8. REPLACEABLE ELECTRICAL PARTS, LOCATION AND CIRCUIT DIAGRAM

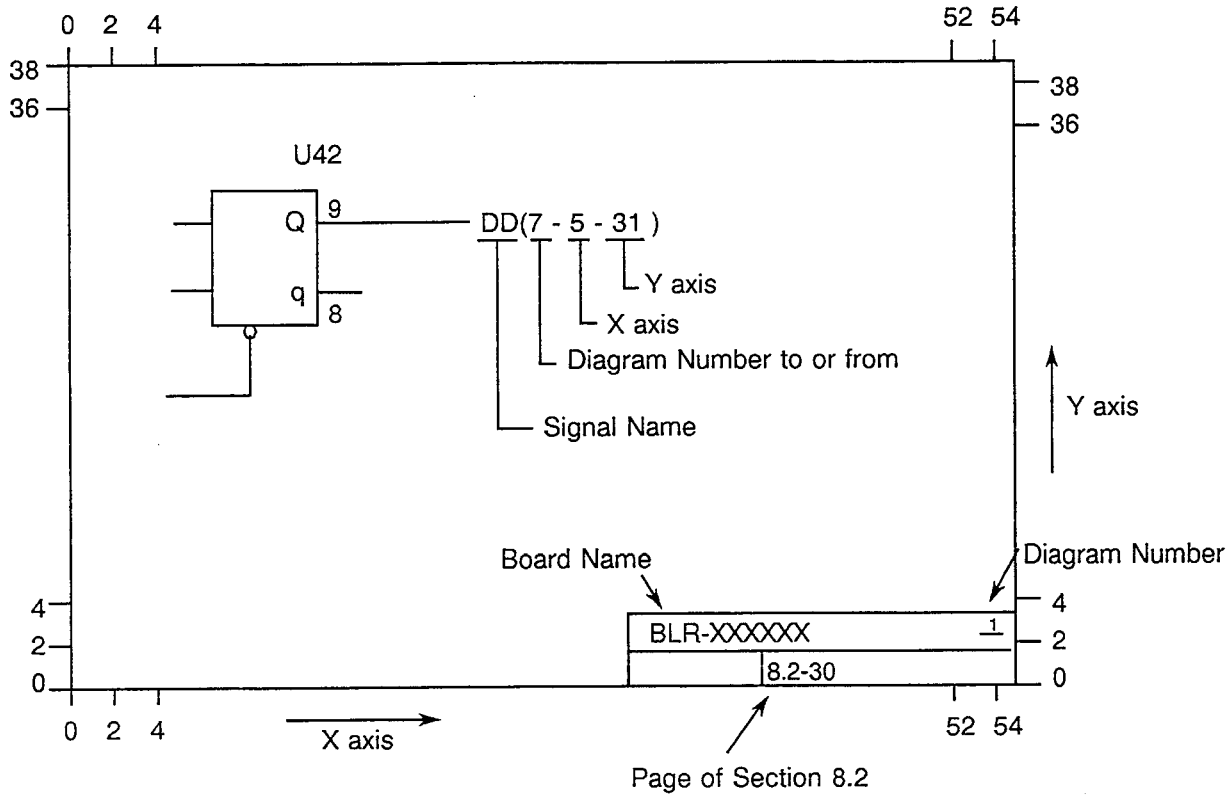
8.1 MAIN FRAME Volume II	1
8.2 RF BLOCK Volume II	2
8.3 2nd, 3rd CONVERTER Volume II	3
8.4 IF BLOCK Volume II	4
8.5 LOG, A/D BLOCK Volume II	5
8.6 CPU BLOCK Volume II	6
8.7 RF I/O Volume III	7
8.8 SYNTHESIZER BLOCK Volume III	8
8.9 OTHERS MEMORY CARD, FREQUENCY STANDARD, PANEL Volume III	9

8. REPLACEABLE ELECTRICAL PARTS, LOCATION AND CIRCUIT DIAGRAMS

Contents of Chapter 8

	BOARD NAME		PARTS LIST	CIRCUIT LAYOUT	PARTS LAYOUT	BLOCK DIAGRAM	CIRCUIT DAIGRAM	
8.1	MAIN FRAME	WFU-3271E	8.1-1	–	–	–	–	Volume II
		WFU-3265E	8.1-2				–	
8.2	RF BLOCK	WST-3271RF	8.2-1	–	–	–	–	
		WST-3265RF	8.2-2				–	
		BLB-017964	8.2-3				8.2-4 to 8.2-5	
8.3	2nd, 3rd CONVERTER	WBL-3271THR	8.3-1	8.3-19	8.3-20 to 8.3-21	8.3-24	–	
		BLB-017037	8.3-2 to 8.3-3				8.3-25 to 8.3-28	
		BLB-017045	8.3-4				8.3-29 to 8.3-30	
		BLC-017027×02	8.3-5 to 8.3-8				8.3-31 to 8.3-35	
		BTF-017504	8.3-9 to 8.3-10				8.3-36 to 8.3-37	
		WBL-3265THR	8.3-11		8.3-22 to 8.3-23		–	
		BLB-017037	8.3-2 to 8.3-3				8.3-25 to 8.3-28	
		BLB-017045	8.3-4				8.3-29 to 8.3-30	
		BLC-017027×01	8.3-12 to 8.3-16				8.3-38 to 8.3-42	
		BTF-017356	8.3-17 to 8.3-18				8.3-43 to 8.3-44	
8.4	IF BLOCK	WBC-32XXIF	8.4-1	8.4-19	8.4-20 to 8.4-21	8.4-22	–	
		BLS-017025	8.4-2 to 8.4-18				8.4-23 to 8.4-43	
8.5	LOG, A/D BLOCK	WDL-32XXLOG	8.5-1	8.5-23	8.5-24 to 8.5-25	8.5-26 to 8.5-28	–	
		BLS-017013	8.5-2 to 8.5-22				8.5-29 to 8.5-55	
8.6	CPU BLOCK	WBL-32XXCPU	8.6-1	–	8.6-8 to 8.6-9	–	–	
		BLS-017500	8.6-2 to 8.6-7				8.6-10 to 8.6-44	
8.7	RF I/O	WBL-3271I/O	8.7-1	8.7-22	8.7-23 to 8.7-24	8.7-25 to 8.7-26	–	Volume III
		BLL-017508×03	8.7-2 to 8.7-11				8.7-27 to 8.7-53	
		WBL-3265I/O	8.7-12				–	
		BLL-017508×02	8.7-13 to 8.7-21				8.7-54 to 8.7-80	
8.8	SYNTHESIZER BLOCK	WBL-32XXSYN	8.8-1	8.8-35	8.8-36 to 8.8-37	8.8-38 to 8.8-40	–	
		BLC-017046	8.8-2 to 8.8-9				8.8-41 to 8.8-50	
		BLC-017044	8.8-10 to 8.8-34				8.8-51 to 8.8-80	
8.9	OTHERS MEMORY CARD	WBL-32XXMCRD	8.9-1	–	–	–	–	
		BLC-017047	8.9-2				8.9-8	
	FREQUENCY STANDARD	WBL-32XXSTD	8.9-3	–	–	–	–	
		BLB-017041	8.9-4				8.9-9 to 8.9-10	
	IF BLOCK	WBL-3271PNL	8.9-5	–	–	–	–	
		WBL-3265PNL	8.9-6				–	
		BLD-017048	8.9-7				8.9-11	

< Circuit Board Interconnection >



Parts No.	Advantest Stock No.	Description	Note
	AAA-ME8E1JTR-1	CRT	
	DMF-002028-1	FUN MOTOR	
	DPS-002093-1	POWER SUPPLY	
	JCF-AB001JX10-3	CONNECTOR	
	JCF-AB001JX12-5	CONNECTOR, COAXIAL	
CB1	DCB-FF4320X24-1	CABLE, COAXIAL	
CB2	DCB-FF4321X17-1	CABLE, COAXIAL	
CB3	DCB-FF4320X32-1	CABLE, COAXIAL	
CB4	DCB-FF4320X31-1	CABLE, COAXIAL	
CB5	DCB-FF4320X18-1	CABLE, COAXIAL	
CB6	DCB-FF4320X26-1	CABLE, COAXIAL	
CB7	DCB-FF4320X30-1	CABLE, COAXIAL	
CB8	DCB-FF4320X28-1	CABLE, COAXIAL	
CB9	DCB-FF4321X22-1	CABLE, COAXIAL	
CB10	DCB-FF4320X16-1	CABLE, COAXIAL	
CB11	DCB-FF4320X22-1	CABLE, COAXIAL	
CB12	DCB-FF4320X22-1	CABLE, COAXIAL	
CB13	DCB-FF4320X29-1	CABLE, COAXIAL	
CB14	DCB-FF4321X17-1	CABLE, COAXIAL	
CB15	DCB-FQ4323X18-1	CABLE	
CB16	DCB-SS4306X02A-1	CABLE	
CB17	DCB-QS4312X03A-1	CABLE	
CB18	DCB-SS4307X03A-1	CABLE	
CB19	DCB-SS4311X02A-1	CABLE	
CB20	DCB-QS4308X01A-1	CABLE	
CB21	DCB-RR1353X03-1	CABLE	
CB22	DCB-RR4315X01-1	CABLE	
CB24	DCB-QS4684X01-1	CABLE	
CB25	DCB-FF3103X25-1	CABLE, COAXIAL	
CB26	DCB-QS4689X01-1	CABLE	
SP1	DEE-001937-1	SPEAKER	

Parts No.	Advantest Stock No.	Description	Note
	AAA-ME8E1JTR-1	CRT	
	DMF-002028-1	FUN MOTOR	
	DPS-002093-1	POWER SUPPLY	
	JCF-AB001JX10-3	CONNECTOR	
	JCF-AB001JX12-5	CONNECTOR, COAXIAL	
CB1	DCB-FF4320X24-1	CABLE, COAXIAL	
CB2	DCB-FF4321X17-1	CABLE, COAXIAL	
CB3	DCB-FF4320X32-1	CABLE, COAXIAL	
CB4	DCB-FF4320X31-1	CABLE, COAXIAL	
CB5	DCB-FF4320X18-1	CABLE, COAXIAL	
CB6	DCB-FF4320X26-1	CABLE, COAXIAL	
CB7	DCB-FF4320X30-1	CABLE, COAXIAL	
CB8	DCB-FF4320X28-1	CABLE, COAXIAL	
CB9	DCB-FF4321X22-1	CABLE, COAXIAL	
CB10	DCB-FF4320X16-1	CABLE, COAXIAL	
CB11	DCB-FF4320X22-1	CABLE, COAXIAL	
CB12	DCB-FF4320X22-1	CABLE, COAXIAL	
CB13	DCB-FF4320X29-1	CABLE, COAXIAL	
CB14	DCB-FF4321X17-1	CABLE, COAXIAL	
CB15	DCB-FQ4323X18-1	CABLE	
CB16	DCB-SS4306X02A-1	CABLE	
CB17	DCB-QS4312X03A-1	CABLE	
CB18	DCB-SS4307X03A-1	CABLE	
CB19	DCB-SS4311X02A-1	CABLE	
CB20	DCB-QS4308X01A-1	CABLE	
CB21	DCB-RR1353X03-1	CABLE	
CB22	DCB-RR4315X01-1	CABLE	
CB24	DCB-QS4684X01-1	CABLE	
CB25	DCB-FF3103X25-1	CABLE, COAXIAL	
CB26	DCB-QS4689X01-1	CABLE	
SP1	DEE-001937-1	SPEAKER	

R3265/3271
RF BLOCK
WST-3271RF

Parts No.	Advantest Stock No.	Description	Note
	BLB-017964	YTO FM FILTER BOARD	
A1	SHB-003189-1	THD290 ISOLATION AMP (ADVANTEST ORIGINAL)	
AT1	DAT-001882-1	PROGRAMMABLE ATTENUETOR	
B1	SHB-003192-1	THD055 BIAS-T (ADVANTEST ORIGINAL)	
C1	CCK-CV100U25V-1	FXD ELECT 100μF ±20% 25V	
C2	CSM-TG1U50V-1	FXD CER 1μF +80%-20% 50V	
CB1	DCB-FF4326X01-1	CABLE ASSEMBLY, INPUT TO ATT	
CB2	DCB-FF4324X01-1	CABLE ASSEMBLY, ATT TO YTF	
CB3	DCB-FF4485X01-1	CABLE ASSEMBLY, YTF TO MIXER	
CB4	DCB-FF0934X19-1	CABLE ASSEMBLY, YTO TO ISO-AMP	
CB5	DCB-FF0934X19-1	CABLE ASSEMBLY, ISO-AMP TO MIXER	
CB6	DCB-FF0934X24-1	CABLE ASSEMBLY, ISO AMP TO 1ST-LO OUT	
CB7	DCB-QR4314X01-1	14 PIN RIBBON CABLE ASSEMBLY	
CB8	DCB-QR4314X02-1	14 PIN RIBBON CABLE ASSEMBLY	
CB9	DCB-QS4310X03A-1	4 PIN CABLE ASSEMBLY	
CB10	DCB-QS4309X02A-1	3 PIN CABLE ASSEMBLY	
CB11	DCB-RS4319X01A-1	20 PIN TO 16 PIN & 10 PIN CABLE ASSEMBLY	
CB12	DCB-FF4322X19-1	SMA-UM CABLE ASSEMBLY 50Ω	
CB13	DCB-FF4542X01-1	SMA-SMA CABLE ASSEMBLY 50Ω	
F1	DNF-002055-1	TOP-2201 YTF (ADVANTEST ORIGINAL)	
FL1	DEE-001347-1	3.6GHz COAXIAL LPF	
FL2	DEE-001166-1	4.2GHz COAXIAL LPF	
MX1	SHB-003193-1	THD293 DUAL MIXER (ADVANTEST ORIGINAL)	
Y1	DXY-002051-1	TOP-1245 YTO (ADVANTEST ORIGINAL)	

R3265/3271
RF BLOCK
WST-3265RF

Parts No.	Advantest Stock No.	Description	Note
A1	SHB-003189-1	THD290 ISOLATION AMP (ADVANTEST ORIGINAL)	
AT1	DAT-001936-1	PROGRAMMABLE ATTENUETOR	
B1	SHB-003192-1	THD055 BIAS-T (ADVANTEST ORIGINAL)	
C1	CCK-CV100U25V-1	FXD ELECT 100μF ±20% 25V	
C2	CSM-TG1U50V-1	FXD CER 1μF +80%-20% 50V	
CB1	DCB-FF0934X05-1	CABLE ASSEMBLY, INPUT TO ATT	
CB2	DCB-FF0934X21-1	CABLE ASSEMBLY, ATT TO YTF	
CB3	DCB-FF0934X07-1	CABLE ASSEMBLY, YTF TO MIXER	
CB4	DCB-FF0934X19-1	CABLE ASSEMBLY, YTO TO ISO-AMP	
CB5	DCB-FF0934X19-1	CABLE ASSEMBLY, ISO-AMP TO MIXER	
CB6	DCB-FF0934X24-1	CABLE ASSEMBLY, ISO-AMP TO 1ST-LO OUT	
CB7	DCB-QR4314X01-1	14 PIN RIBBON CABLE ASSEMBLY	
CB8	DCB-QR4314X02-1	14 PIN RIBBON CABLE ASSEMBLY	
CB9	DCB-QS4310X03A-1	4 PIN CABLE ASSEMBLY	
CB10	DCB-QS4309X02A-1	3 PIN CABLE ASSEMBLY	
CB11	DCB-RS4319X01A-1	20 PIN TO 16 PIN & 10 PIN CABLE ASSEMBLY	
CB12	DCB-FF4322X19-1	SMA-UM CABLE ASSEMBLY 50Ω	
CB13	DCB-FF4542X01-1	SMA-SMA CABLE ASSEMBLY 50Ω	
F1	DNF-002054-1	TOP-2202 YTF (ADVANTEST ORIGINAL)	
FL1	DEE-001347-1	3.6GHz COAXIAL LPF	
FL2	DEE-001166-1	4.2GHz COAXIAL LPF	
MX1	SHB-003194-1	THD294 DUAL MIXER (ADVANTEST ORIGINAL)	
Y1	DXY-002051-1	TOP-1245 YTO (ADVANTEST ORIGINAL)	

R3265/3271
RF BLOCK
BLB-017964

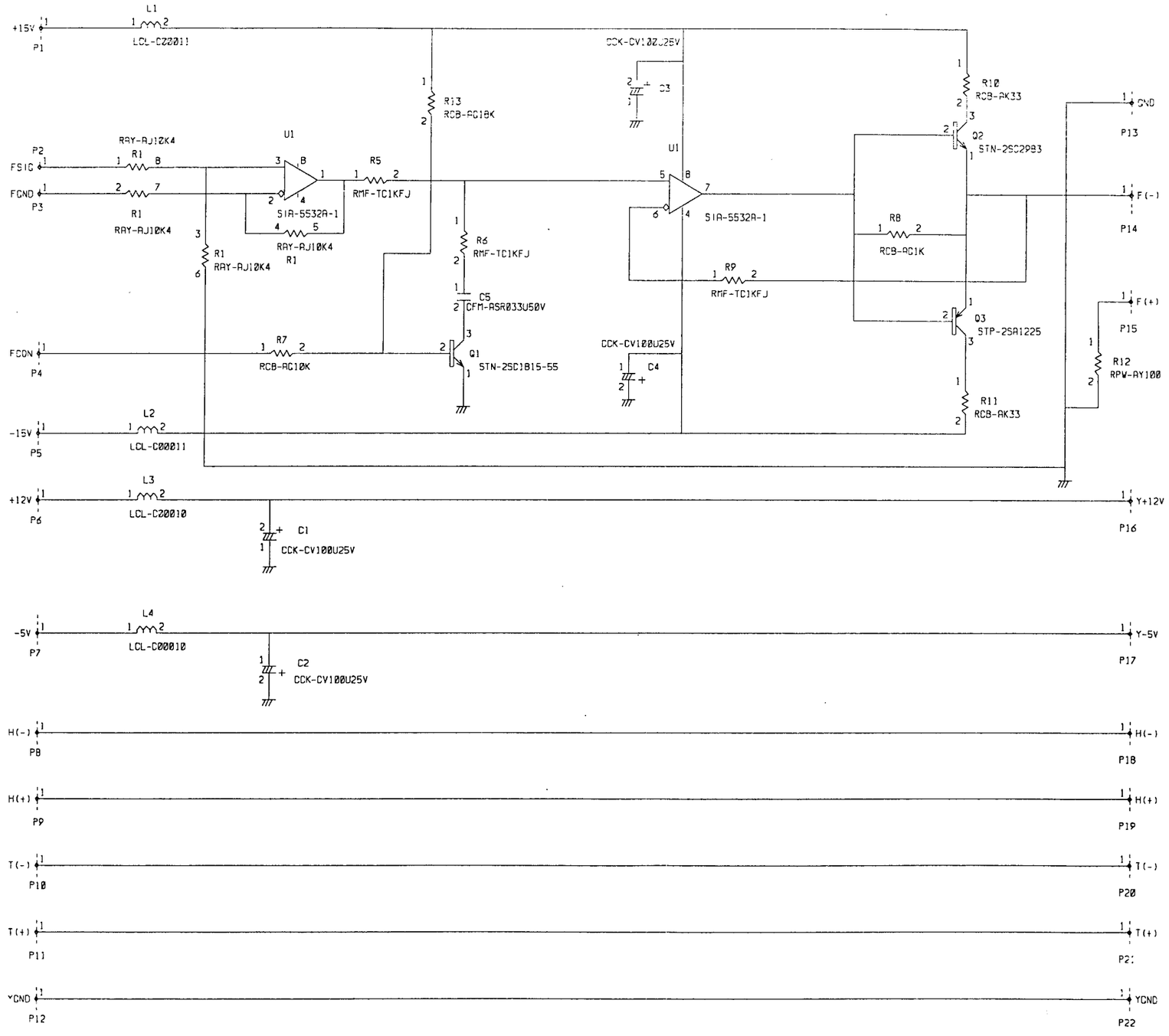
Parts No.	Advantest Stock No.	Description	Note
C1 -4	CCK-CV100U25V	FXD ELECT 100μF ±20% 25V	
C5	CFM-ASR033U50V	FXD FILM 0.033μF ±10% 50V	
L1 -2	LCL-C00011	COIL	
L3 -4	LCL-C00010	COIL	
P1 -22	DMY-000934-1		
Q1	STN-2SC1815-55	TRANSISTOR NPN	
Q2	STN-2SC2983	TRANSISTOR NPN	
Q3	STP-2SA1225	TRANSISTOR PNP	
R1	RAY-AJ10K4	ARRAY QUAD 10kΩ ±0.1% 1/10W	
R5 -6	RMF-TC1KFJ	FXD METAL 1kΩ ±1% 1/4W	
R7	RCB-AG10K	FXD CAR 10kΩ ±5% 1/8W	
R8	RCB-AG1K	FXD CAR 1kΩ ±5% 1/8W	
R9	RMF-TC1KFJ	FXD METAL 1kΩ ±1% 1/4W	
R10 -11	RCB-AK33	FXD CAR 33Ω ±5% 1/2W	
R12	RPW-AY100	FXD METAL 100Ω ±1% 2.0W TC = ±50	
R13	RCB-AG18K	FXD CAR 18kΩ ±5% 1/8W	
U1	SIA-5532A-1	OP AMP DUAL LOW NOISE	

■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

BLB-017964	1
TITLE: YTO FM FILTER	8.2-4



PLB-21796488

BLB-017964

2/2

TITLE
YTO FM FILTER

8.2-5*

R3265/3271
2nd, 3rd CONVERTER
WBL-3271THR

Parts No.	Advantest Stock No.	Description	Note
BL1	PTB-117357BB-1	Balun of 2nd Mixer	
C1 -2	CCK-CV330U25V	FXD ELECT 330μF ±20% 25V	
C3	CFT-AC1000P50V	FXD COAXIAL 1000pF ±20% 50V	
C4	CFT-AN10P50V	FXD COAXIAL 10pF ±20% 50V	
C6	CFT-AC1000P50V	FXD COAXIAL 1000pF ±20% 50V	
C7	CCK-BX47U25V	FXD ELECT 47μF ±20% 25V	
CB1	DCB-FF1231X10-1	COAXIAL CABLE, 2nd LOCAL to 2nd PLL	
CB2	DCB-QS4313X02A-1	CABLE ASSEMBLY	
DR1 -2	DXD-001939-1	DIELECTRIC RESONATOR for 4.2G BPF	
DR3	DXD-001266	DIELECTRIC RESONATOR for 3.8G 2nd Local	
FL1 -17	DNF-001052	EMI Filter	
HB1	SHB-003190-1	2nd Sampler	
IS1	DEE-001242-1	Isolator 4.2GHz	
J1 -5	JCF-AC001JX02-3	CONNECTOR UM	
J6	JCF-AA001JX63-1	CONNECTOR SMA	
J7	JCF-AA001JX43-1	CONNECTOR SMA	
J8 -9	JCF-AC001JX02-3	CONNECTOR UM	
J10	JCF-AA001JX01-1	CONNECTOR SMA	
J11	JCF-AA001JX63-1	CONNECTOR SMA	
J12	JCF-AA001PX26-1	CONNECTOR SMA	
L1 -2	LCL-T00084A	COIL 180μH (CUSTOM DEVICE)	
LP1	DEE-001181-1	COAXIAL LPF (CUSTOM DEVICE)	
U1	SIA-7808U	VOLTAGE REGULATOR 8V	

R3265/3271
2nd, 3rd CONVERTER
BLB-017037 (1 of 2)

Parts No.	Advantest Stock No.	Description					Note
C1 -2	CCK-CH33U25V	FXD	ELECT	33μF	±20%	25V	
C3	CTA-AN1U35V	FXD	TANTAL	1μF	±20%	35V	
C4	CTA-AN22U16V	FXD	TANTAL	22μF	±20%	16V	
C5	CCP-BA15P50V	FXD	Chip	15pF	±5%	50V	
C6	CCP-TCR1U50V	FXD	Chip	0.1μF	+80%-20%	50V	
C7	CCP-BA2200P50V	FXD	Chip	2200pF	±20%	50V	
C8 -9	CCP-BA15P50V	FXD	Chip	15pF	±5%	50V	
C10	CCP-TCR1U50V	FXD	Chip	0.1μF	+80%-20%	50V	
C11	CCP-BA15P50V	FXD	Chip	15pF	±5%	50V	
C12 -19	CCP-TCR1U50V	FXD	Chip	0.1μF	+80%-20%	50V	
C20	CCP-BA470P50V	FXD	Chip	470pF	±10%	50V	
C21 -33	CCP-TCR1U50V	FXD	Chip	0.1μF	+80%-20%	50V	
C34	CFM-ASR047U50V	FXD	film	0.047μF	±10%	50V	
C35	CCP-BA15P50V	FXD	Chip	0.1μF	+80%-20%	50V	
C36	CCP-TCR1U50V	FXD	Chip	15pF	±5%	50V	
C37	CCP-BA15P50V	FXD	Chip	0.1μF	+80%-20%	50V	
C38	CCP-BA1000P50V	FXD	Chip	1000pF	±10%	50V	
D1 -3	SDS-1SS220	Si Switching Diode					
L1 -2	LCL-C00010	Coil		180μH		(Custom Device)	
L3	LCL-E00936	Coil	Chip	47nH	±20%		
L4 -5	LCL-C01179	Coil				(Custom Device)	
L6 -7	LCL-E00949	Coil	Chip	0.56μH	±20%		
L8	LCL-E00962	Coil	Chip	6.8μH	±20%		
P1 -8	DMY-000934-1						
Q1	STN-2SC2884	TRANSISTOR		NPN			
Q2	STN-2SC3356	TRANSISTOR		NPN	Low Noise ft = 6GHz		
Q3	STN-2SC2223	TRANSISTOR		NPN	ft = 600MHz		
Q4 -5	STP-2SA1226	TRANSISTOR		PNP	ft = 400MHz		
Q6 -7	STN-2SC2223	TRANSISTOR		NPN	ft = 600MHz		
R1	RCP-AN1R2K	FXD	Chip	1.2kΩ	±1%	1/10W	
R2	RCP-AN680	FXD	Chip	680Ω	±1%	1/10W	
R3	RCP-AJ56	FXD	Chip	56Ω	±5%	1/10W	
R4	RCP-AJ10K	FXD	Chip	10kΩ	±5%	1/10W	
R5	RCP-AJ4R7K	FXD	Chip	4.7kΩ	±5%	1/10W	
R6	RCP-AJ22	FXD	Chip	22Ω	±5%	1/10W	
R7	RCP-AJ220	FXD	Chip	220Ω	±5%	1/10W	
R8	RCP-AJ330	FXD	Chip	330Ω	±5%	1/10W	
R9	RCP-AJ100	FXD	Chip	100Ω	±5%	1/10W	
R10	RCP-AJ82	FXD	Chip	82Ω	±5%	1/10W	
R11	RCP-AJ100	FXD	Chip	100Ω	±5%	1/10W	

R3265/3271
2nd, 3rd CONVERTER
BLB-017037 (2 of 2)

Parts No.	Advantest Stock No.	Description	Note
R12	RCP-AJ82	FXD Chip 82Ω ±5% 1/10W	
R13	RCP-AJ330	FXD Chip 330Ω ±5% 1/10W	
R14	RCP-AJ18	FXD Chip 18Ω ±5% 1/10W	
R15	RCP-AJ330	FXD Chip 330Ω ±5% 1/10W	
R16	RCP-AJ150	FXD Chip 150Ω ±5% 1/10W	
R17	RCP-AJ39	FXD Chip 39Ω ±5% 1/10W	
R18	RCP-AJ150	FXD Chip 150Ω ±5% 1/10W	
R19 -21	RCP-AJ15	FXD Chip 15Ω ±5% 1/10W	
R23	RCP-AJ330	FXD Chip 330Ω ±5% 1/10W	
R24	RCP-AJ22	FXD Chip 22Ω ±5% 1/10W	
R25	RCP-AJ2R2K	FXD Chip 2.2kΩ ±5% 1/10W	
R26	RCP-AJ680	FXD Chip 680Ω ±5% 1/10W	
R27	RCP-AJ22	FXD Chip 22Ω ±5% 1/10W	
R28	RCP-AJ2R2K	FXD Chip 2.2kΩ ±5% 1/10W	
R29	RCP-AJ680	FXD Chip 680Ω ±5% 1/10W	
R30	RCP-AN910	FXD Chip 910Ω ±1% 1/10W	
R31 -32	RCP-AJ22	FXD Chip 22Ω ±5% 1/10W	
R33	RCP-AN910	FXD Chip 910Ω ±1% 1/10W	
R34 -35	RCP-AN1K	FXD Chip 1kΩ ±1% 1/10W	
R36	RCP-AN100	FXD Chip 100Ω ±1% 1/10W	
R37	RCP-AN1K	FXD Chip 1kΩ ±1% 1/10W	
R38	RCP-AN3R9K	FXD Chip 3.9kΩ ±1% 1/10W	
R39	RCP-AN1K	FXD Chip 1kΩ ±1% 1/10W	
R40	RCP-AN1R5K	FXD Chip 1.5kΩ ±1% 1/10W	
R41	RCP-AN390	FXD Chip 390Ω ±1% 1/10W	
R42	RCP-AJ15K	FXD Chip 15kΩ ±5% 1/10W	
R43	RCP-AJ1R2K	FXD Chip 1.2kΩ ±5% 1/10W	
U1	SIA-1675	Bipolar Analog IC 1GHz Amp	
U2	SIC-572	500MHz 1/20 Prescaler	
U3 -5	SIA-1676	Bipolar Analog IC 1GHz Amp	
U6	SIT-74F00S	Quad 2-Input NAND Gate	
U7	SIT-74F112S	Dual J-K Nagative-Edge Trigger Flip-Flop	
U8	SIA-1675	Bipolar Analog IC 1GHz Amp	

R3265/3271
2nd, 3rd CONVERTER
BLB-017045

Parts No.	Advantest Stock No.	Description	Note
C1 -2	CCP-BBR1U50V	FXD Chip 0.1μF +80%-20% 50V	
C3	CCK-CH47U16V	FXD Chip 47μF ±20% 16V	

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X02 (1 of 4)

Parts No.	Advantest Stock No.	Description					Note
C1 -4	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C5 -8	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C9	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C10	CCP-BA10P50V	FXD	CHIP	10pF	±0.5pF	50V	
C11	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C12	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C13	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C14	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C15	CCK-CH33U25V	FXD	ELECT	33μF	±20%	25V	
C16	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C17	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C18 -19	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C20	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C21	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C22 -23	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C24	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C25	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C26 -27	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C28 -31	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C32 -33	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C34 -36	CCP-BA5P50V	FXD	CHIP	5pF	±0.25pF	50V	
C37	CCP-BA2P50V	FXD	CHIP	2pF	±0.25pF	50V	
C38	CCP-BA27P50V	FXD	CHIP	27pF	±5%	50V	
C39	CCK-CH33U25V	FXD	ELECT	33μF	±20%	25V	
C41 -54	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C55	CCP-BA2P50V	FXD	CHIP	2pF	±0.25pF	50V	
C57	CCP-AV150PR1K	FXD	MICA	150pF	±2%	50V	
C58	CCP-BA47P50V	FXD	CHIP	47pF	±5%	50V	
C59	CCP-AW470PR1K	FXD	MICA	470pF	±1%	50V	
C60	CCK-CH6R8U25V	FXD	ELECT	6.8μF	±20%	25V	
C62	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C69 -72	CCP-ACR5P50V	FXD	CHIP	0.5pF	±0.25pF	50V	
C73	CCP-BA3P50V	FXD	CHIP	3pF	±0.25pF	50V	
C74	CCP-BA27P50V	FXD	CHIP	27pF	±5%	50V	
C75	CTM-BL40P	VAR	CTM	40pF	+50%-0%	50V	
D1 -9	SDS-1SS279-1	SI SWITCHING DIODE					
D10 -12	SDS-1SV196S-1	SI PIN DIODE					
FB1	DEE-001484	FERRITE BEADS					
FL1 -2	DNF-001840-1	HELICAL BPF		421.4MHz		(CUSTOM DEVICE)	
J1 -2	JCF-BA001JX01	CONNECTOR FL					

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X02 (2 of 4)

Parts No.	Advantest Stock No.	Description					Note
L1	LCL-E00935	FXD	CHIP	39nH	±20%		
L2	LCL-C01178-1	COIL				(CUSTOM DEVICE)	
L3	LCL-C01202-1	COIL				(CUSTOM DEVICE)	
L4	LCL-C01181-1	COIL				(CUSTOM DEVICE)	
L5	LCL-E00935	FXD	CHIP	39nH	±20%		
L6	LCL-C01202-1	COIL				(CUSTOM DEVICE)	
L7	LCL-C00010	COIL	180μH	±10%			
L8	LCL-E00935	FXD	CHIP	39nH	±20%		
L9	LCL-C01202-1	COIL				(CUSTOM DEVICE)	
L10	LCL-E00935	FXD	CHIP	39nH	±20%		
L11	LCL-C01202-1	COIL				(CUSTOM DEVICE)	
L12	LCL-E00935	FXD	CHIP	39nH	±20%		
L13	LCL-C01202-1	COIL				(CUSTOM DEVICE)	
L14 -15	LCL-E00933	COIL	CHIP	22nH	±20%		
L16	LCL-B00806	COIL		330nH	±10%		
L17	LCL-C01207-1	VAR COIL		1.8μH	±10%	(CUSTOM DEVICE)	
L18	LCL-A00786	COIL		110nH	±10%		
L19	LCL-E00964	COIL	CHIP	10μH	±20%		
L20 -21	LCL-C01203-1	COIL				(CUSTOM DEVICE)	
L22	LCL-C00010	COIL		180μH	±10%		
L23	LCL-B00818	COIL		15μH	±10%		
L24	LCL-C01207-1	VAR COIL		1.8μH	±10%	(CUSTOM DEVICE)	
MX1	DEE-001911-1	DBM				(CUSTOM DEVICE)	
P12	JCI-AT001JX06-2	SOCKET					
PI1	JCI-AT001JX06-2	SOCKET					
Q1 -10	STN-2SC3357-1	TRANSISTOR		NPN	LOW NOISE ft = 6GHz		
R1 -3	RCP-AJ10K	FXD	CHIP	10kΩ	±5%	1/10W	
R4 -5	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10W	
R6	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10W	
R7 -8	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10W	
R9	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R10	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10W	
R11	RCP-AJ100	FXD	CHIP	100Ω	±5%	1/10W	
R13	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R14	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10W	
R15	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10W	
R16	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10W	
R17	RCP-AX0	FXD	CHIP	0Ω	±5%	1/10W	
R18	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10W	
R19	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X02 (3 of 4)

Parts No.	Advantest Stock No.	Description					Note
R21	RCP-AX0	FXD	CHIP	0Ω	±5%	1/10/W	
R22	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R23	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10/W	
R24	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R25 -26	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R28	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R29	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R30	RCP-AJ15	FXD	CHIP	15Ω	±5%	1/10/W	
R32	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R33	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	
R34	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R35	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R36 -37	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R38	RCP-AJ8R2	FXD	CHIP	8.2Ω	±5%	1/10/W	
R39	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R40	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R41	RCP-AJ15	FXD	CHIP	15Ω	±5%	1/10/W	
R42	RCP-AJ470	FXD	CHIP	470Ω	±5%	1/10/W	
R43	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R44	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	
R45	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R46	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R47 -48	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R49	RCP-AJ8R2	FXD	CHIP	8.2Ω	±5%	1/10/W	
R50	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R52	RCP-AX0	FXD	CHIP	0Ω	±5%	1/10/W	
R54	RCP-AJ82	FXD	CHIP	82Ω	±5%	1/10/W	
R55	RCP-AJ100	FXD	CHIP	100Ω	±5%	1/10/W	
R56	RCP-AJ82	FXD	CHIP	82Ω	±5%	1/10/W	
R57	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	
R58	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R59	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R60	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R61	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R62	RCP-AJ39	FXD	CHIP	39Ω	±5%	1/10/W	
R63	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R64	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R65	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10/W	
R66 -67	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R68	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X02 (4 of 4)

Parts No.	Advantest Stock No.	Description	Note
R69	RCP-AJ1R8K	FXD CHIP 1.8kΩ ±5% 1/10W	
R70	RCP-AJ330	FXD CHIP 330Ω ±5% 1/10W	
R71 -72	RCP-AJ220	FXD CHIP 220Ω ±5% 1/10W	
R73	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R74	RCP-AJ51	FXD CHIP 51Ω ±5% 1/10W	
R75	RCP-AJ1K	FXD CHIP 1kΩ ±5% 1/10W	
R76 -77	RCP-AJ3R9K	FXD CHIP 3.9kΩ ±5% 1/10W	
R78	RCP-AJ1R8K	FXD CHIP 1.8kΩ ±5% 1/10W	
R79	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R80 -81	RCP-AJ330	FXD CHIP 330Ω ±5% 1/10W	
R82	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R83	REE-AT422S47	RESISTOR 47Ω ±5% 1/6W TC = +4200ppm/°C	
R84 -85	RCP-AJ1K	FXD CHIP 1kΩ ±5% 1/10W	
R86	RCP-AJ1R8K	FXD CHIP 1.8kΩ ±5% 1/10W	
R87	RCP-AJ1K	FXD CHIP 10Ω ±5% 1/10W	
R88	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R89 -90	RCP-AJ220	FXD CHIP 220Ω ±5% 1/10W	
R91	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R92	RCP-AJ220	FXD CHIP 220Ω ±5% 1/10W	
R93 -94	RCP-AJ1K	FXD CHIP 1kΩ ±5% 1/10W	
R95	RCP-AJ22	FXD CHIP 22Ω ±5% 1/10W	
R96	RCP-AJ51	FXD CHIP 51Ω ±5% 1/10W	
R97	RCP-AJ330	FXD CHIP 330Ω ±5% 1/10W	
R98	RCP-AJ15	FXD CHIP 15Ω ±5% 1/10W	
R99	RCP-AJ330	FXD CHIP 330Ω ±5% 1/10W	
R101	RCP-AJ3R3	FXD CHIP 3.3Ω ±5% 1/10W	
R109	RCP-AX0	FXD CHIP 0Ω ±5% 1/10W	
R110	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R111	RCB-AH100	FXD CHIP 100Ω ±5% 1/10W	
R112	RCP-AX0	FXD CHIP 0Ω ±5% 1/10W	
SP1	JTE-BV002EX02-1	SHORT PIN	

R3265/3271
2nd, 3rd CONVERTER
BTF-017504 (1 of 2)

Parts No.	Advantest Stock No.	Description	Note
C6	CCP-BA220P50V	FXD CHIP 220pF ±5% 50V	
C7 -8	CCP-BA1000P50V	FXD CHIP 1000pF ±10% 50V	
C9	CCP-BAR01U50V	FXD CHIP 0.01μF ±10% 50V	
C10 -11	CCP-BA220P50V	FXD CHIP 220pF ±5% 50V	
C12 -13	CCP-BA1000P50V	FXD CHIP 1000pF ±10% 50V	
C14	CCP-BAR01U50V	FXD CHIP 0.01μF ±10% 50V	
C15	CCP-BA2P50V	FXD CHIP 2pF ±0.25pF 50V	
C16	CCP-BA18P50V	FXD CHIP 18pF ±5% 50V	
C17	CCP-BA22P50V	FXD CHIP 22pF ±5% 50V	
C18	CCP-BAR01U50V	FXD CHIP 0.01μF ±10% 50V	
C19 -20	CCP-BA220P50V	FXD CHIP 220pF ±5% 50V	
C21	CCP-BA1000P50V	FXD CHIP 1000pF ±10% 50V	
C22	CCP-BA220P50V	FXD CHIP 220pF ±5% 50V	
D2	SDZ-M027	ZENER DIODE 2.7V	
D3	SDS-ND587T	SHOTTKEY BARRIER GaAs DIODE PAIR Ct = 0.26pF	
D4	SDS-1SS101	SHOTTKEY BARRIER Si DIODE Ct = 2.0pF	
L1	LCL-A00668	FXD COIL 11nH	
Q3	STN-2SC3604	TRANSISTOR NPN Low Noise & High Gain ft = 9GHz	
Q4	STP-2SA812	TRANSISTOR PNP	
Q5	SFN-FSC10LF	GaAs FET	
Q6	STP-2SA812	TRANSISTOR NPN	
Q7	STN-2SC3604	TRANSISTOR NPN Low Noise & High Gain ft = 9GHz	
R8	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R9	RCP-AJ3R3K	FXD CHIP 3.3kΩ ±5% 1/10W	
R10	RCP-AJ750	FXD CHIP 750Ω ±5% 1/10W	
R11	RCP-AJ47	FXD CHIP 47Ω ±5% 1/10W	
R12	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R13 -14	RCP-AJ51	FXD CHIP 51Ω ±5% 1/10W	
R15	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R16	RCP-AJ1R8K	FXD CHIP 1.8kΩ ±5% 1/10W	
R17	RCP-AJ820	FXD CHIP 820Ω ±5% 1/10W	
R18	RCP-AJ62	FXD CHIP 62Ω ±5% 1/10W	
R19	RCP-AJ100	FXD CHIP 100Ω ±5% 1/10W	
R20	RCP-AH10K	FXD CHIP 10kΩ ±5% 1/10W	
R21	RCP-AJ10K	FXD CHIP 10kΩ ±5% 1/10W	
R22	RCP-AJ51	FXD CHIP 51Ω ±5% 1/10W	
R26	RCP-AJ68	FXD CHIP 68Ω ±5% 1/10W	
R27	RCP-AJ100	FXD CHIP 100Ω ±5% 1/10W	
R28	RCP-AJ100	FXD CHIP 100Ω ±5% 1/10W	
R29	RCP-AJ3R3K	FXD CHIP 3.3kΩ ±5% 1/10W	

R3265/3271
2nd, 3rd CONVERTER
BTF-017504 (2 of 2)

Parts No.	Advantest Stock No.	Description	Note
R30	RCP-AJ1K	FXD CHIP 1kΩ ±5% 1/10W	
R31	RCP-AJ470	FXD CHIP 470Ω ±5% 1/10W	
R32 -33	RCP-AJ510	FXD CHIP 510Ω ±5% 1/10W	
R34	RCP-AJ51	FXD CHIP 51Ω ±5% 1/10W	
R35	RCP-AJ51	FXD CHIP 51Ω ±5% 1/10W	

R3265/3271
2nd, 3rd CONVERTER
WBL-3265THR

Parts No.	Advantest Stock No.	Description	Note
BL1	PTB-117357BB-1	Balun of 2nd Mixer	
C1 -2	CCK-CV330U25V	FXD ELECT 330μF ±20% 25V	
C3	CFT-AC1000P50V	FXD COAXIAL 1000pF ±20% 50V	
C4	CFT-AN10P50V	FXD COAXIAL 10pF ±20% 50V	
C6	CFT-AC1000P50V	FXD COAXIAL 1000pF ±20% 50V	
C7	CCK-BX47U25V	FXD ELECT 47μF ±20% 25V	
CB1	DCB-FF1231X10-1	COAXIAL CABLE, 2nd LOCAL to 2nd PLL	
CB2	DCB-QS4313X02A-1	CABLE ASSEMBLY	
DR1 -2	DXD-001939-1	DIELECTRIC RESONATOR for 4.2G BPF	
DR3	DXD-001266	DIELECTRIC RESONATOR for 3.8G 2nd Local	
FL1 -19	DNF-001052	EMI Filter	
HB1	SHB-003190-1	2nd Sampler	
IS1	DEE-001242-1	Isolator 4.2GHz	
J1 -5	JCF-AC001JX02-3	CONNECTOR UM	
J6	JCF-AA001JX63-1	CONNECTOR SMA	
J7	JCF-AA001JX43-1	CONNECTOR SMA	
J8 -9	JCF-AC001JX02-3	CONNECTOR UM	
J10	JCF-AA001JX01-1	CONNECTOR SMA	
J11	JCF-AA001JX63-1	CONNECTOR SMA	
J12	JCF-AA001PX26-1	CONNECTOR SMA	
L1 -2	LCL-T00084A	COIL 180μH (CUSTOM DEVICE)	
LP1	DEE-001181-1	COAXIAL LPF (CUSTOM DEVICE)	
Q1	SFN-2SK878	GaAs N-channel HEMT	
U1	SIA-7808U	VOLTAGE REGULATOR 8V	

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X01 (1 of 5)

Parts No.	Advantest Stock No.	Description					Note
C1 -4	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C5 -8	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C9	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C10	CCP-BA10P50V	FXD	CHIP	10pF	±0.5pF	50V	
C11	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C12	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C13	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C14	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C15	CCK-CH33U25V	FXD	ELECT	33μF	±20%	25V	
C16	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C17	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C18 -19	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C20	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C21	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C22 -23	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C24	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C25	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C26 -27	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C28 -31	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C32 -33	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C34 -36	CCP-BA5P50V	FXD	CHIP	5pF	±0.25pF	50V	
C37	CCP-BA2P50V	FXD	CHIP	2pF	±0.25pF	50V	
C38	CCP-BA27P50V	FXD	CHIP	27pF	±5%	50V	
C39	CCK-CH33U25V	FXD	ELECT	33μF	±20%	25V	
C41 -54	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C55	CCP-BA2P50V	FXD	CHIP	2pF	±0.25pF	50V	
C57	CCP-AV150PR1K	FXD	MICA	150pF	±2%	50V	
C58	CCP-BA47P50V	FXD	CHIP	47pF	±5%	50V	
C59	CCP-AW470PR1K	FXD	MICA	470pF	±1%	50V	
C60	CCK-CH6R8U25V	FXD	ELECT	6.8μF	±20%	25V	
C61	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C62 -63	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C64 -67	CCP-BA01U50V	FXD	CHIP	0.01μF	±10%	50V	
C69 -72	CCP-ACR5P50V	FXD	CHIP	0.5pF	±0.25pF	50V	
C73	CCP-BA3P50V	FXD	CHIP	3pF	±0.25pF	50V	
C74	CCP-BA27P50V	FXD	CHIP	27pF	±5%	50V	
C75	CTM-BL40P	VAR	CTM	40pF	+50%-0%	50V	
D1 -9	SDS-1SS279-1	SI SWITCHING DIODE					
D10 -12	SDS-1SV196S-1	SI PIN DIODE					
D13 -14	SDS-1SS279-1	Si Switching Diode					

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X01 (2 of 5)

Parts No.	Advantest Stock No.	Description	Note
FB1	DEE-001484	FERRITE BEADS	
FL1 -2	DNF-001840-1	HELICAL BPF 421.4MHz (CUSTOM DEVICE)	
J1 -2	JCF-BA001JX01	CONNECTOR FL	
L1	LCL-E00935	FXD CHIP 39nH ±20%	
L2	LCL-C01178-1	COIL (CUSTOM DEVICE)	
L3	LCL-C01202-1	COIL (CUSTOM DEVICE)	
L4	LCL-C01181-1	COIL (CUSTOM DEVICE)	
L5	LCL-E00935	FXD CHIP 39nH ±20%	
L6	LCL-C01202-1	COIL (CUSTOM DEVICE)	
L7	LCL-C00010	COIL 180μH ±10%	
L8	LCL-E00935	FXD CHIP 39nH ±20%	
L9	LCL-C01202-1	COIL (CUSTOM DEVICE)	
L10	LCL-E00935	FXD CHIP 39nH ±20%	
L11	LCL-C01202-1	COIL (CUSTOM DEVICE)	
L12	LCL-E00935	FXD CHIP 39nH ±20%	
L13	LCL-C01202-1	COIL (CUSTOM DEVICE)	
L14 -15	LCL-E00933	COIL CHIP 22nH ±20%	
L16	LCL-B00806	COIL 330nH ±10%	
L17	LCL-C01207-1	VAR COIL 1.8μH ±10% (CUSTOM DEVICE)	
L18	LCL-A00786	COIL 110nH ±10%	
L19	LCL-E00964	COIL CHIP 10μH ±20%	
L20 -21	LCL-C01203-1	COIL (CUSTOM DEVICE)	
L22	LCL-C00010	COIL 180μH ±10%	
L23	LCL-B00818	COIL 15μH ±10%	
L24	LCL-C01207-1	VAR COIL 1.8μH ±10% (CUSTOM DEVICE)	
MX1	DEE-001911-1	DBM (CUSTOM DEVICE)	
P12	JCI-AT001JX06-2	SOCKET	
PI1	JCI-AT001JX06-2	SOCKET	
Q1 -10	STN-2SC3357-1	TRANSISTOR NPN LOW NOISE ft = 6GHz	
R1 -3	RCP-AJ10K	FXD CHIP 10kΩ ±5% 1/10W	
R4 -5	RCP-AJ3R9K	FXD CHIP 3.9kΩ ±5% 1/10W	
R6	RCP-AJ1R8K	FXD CHIP 1.8kΩ ±5% 1/10W	
R7 -8	RCP-AJ330	FXD CHIP 330Ω ±5% 1/10W	
R9	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R10	RCP-AJ220	FXD CHIP 220Ω ±5% 1/10W	
R11	RCP-AJ100	FXD CHIP 100Ω ±5% 1/10W	
R13	RCP-AJ10	FXD CHIP 10Ω ±5% 1/10W	
R14	RCP-AJ3R9K	FXD CHIP 3.9kΩ ±5% 1/10W	
R15	RCP-AJ1R8K	FXD CHIP 1.8kΩ ±5% 1/10W	
R16	RCP-AJ330	FXD CHIP 330Ω ±5% 1/10W	

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X01 (3 of 5)

Parts No.	Advantest Stock No.	Description					Note
R17	RCP-AX0	FXD	CHIP	0Ω	±5%	1/10W	
R18	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10W	
R19	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R21	RCP-AX0	FXD	CHIP	0Ω	±5%	1/10/W	
R22	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R23	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10/W	
R24	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R25 -26	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R28	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R29	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R30	RCP-AJ15	FXD	CHIP	15Ω	±5%	1/10/W	
R32	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R33	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	
R34	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R35	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R36 -37	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R38	RCP-AJ8R2	FXD	CHIP	8.2Ω	±5%	1/10/W	
R39	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R40	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R41	RCP-AJ15	FXD	CHIP	15Ω	±5%	1/10/W	
R42	RCP-AJ470	FXD	CHIP	470Ω	±5%	1/10/W	
R43	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R44	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	
R45	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R46	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R47 -48	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10/W	
R49	RCP-AJ8R2	FXD	CHIP	8.2Ω	±5%	1/10/W	
R50	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R51	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R52	RCP-AX0	FXD	CHIP	0Ω	±5%	1/10/W	
R53	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R54	RCP-AJ82	FXD	CHIP	82Ω	±5%	1/10/W	
R55	RCP-AJ100	FXD	CHIP	100Ω	±5%	1/10/W	
R56	RCP-AJ82	FXD	CHIP	82Ω	±5%	1/10/W	
R57	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	
R58	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R59	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R60	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10/W	
R61	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R62	RCP-AJ39	FXD	CHIP	39Ω	±5%	1/10/W	

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X01 (4 of 5)

Parts No.	Advantest Stock No.	Description					Note
R63	RCP-AJ150	FXD	CHIP	150Ω	±5%	1/10/W	
R64	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10/W	
R65	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10/W	
R66 -67	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10/W	
R68	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10/W	
R69	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10W	
R70	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10W	
R71 -72	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10W	
R73	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R74	RCP-AJ51	FXD	CHIP	51Ω	±5%	1/10W	
R75	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10W	
R76 -77	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10W	
R78	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10W	
R79	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R80 -81	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10W	
R82	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R83	REE-AT422S47	RESISTOR		47Ω	±5%	1/6W TC = +4200ppm/°C	
R84 -85	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10W	
R86	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10W	
R87	RCP-AJ1K	FXD	CHIP	10Ω	±5%	1/10W	
R88	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R89 -90	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10W	
R91	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R92	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10W	
R93 -94	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10W	
R95	RCP-AJ22	FXD	CHIP	22Ω	±5%	1/10W	
R96	RCP-AJ51	FXD	CHIP	51Ω	±5%	1/10W	
R97	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10W	
R98	RCP-AJ15	FXD	CHIP	15Ω	±5%	1/10W	
R99	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10W	
R100	RCP-AJ220	FXD	CHIP	220Ω	±5%	1/10W	
R101	RCP-AJ3R3	FXD	CHIP	3.3Ω	±5%	1/10W	
R102	RCP-AJ3R9K	FXD	CHIP	3.9kΩ	±5%	1/10W	
R103	RCP-AJ10K	FXD	CHIP	10kΩ	±5%	1/10W	
R104 -105	RCP-AJ15	FXD	CHIP	15Ω	±5%	1/10W	
R106	RCP-AJ82	FXD	CHIP	82Ω	±5%	1/10W	
R107	RCP-AJ10K	FXD	CHIP	10kΩ	±5%	1/10W	
R108	RCP-AJ330	FXD	CHIP	330Ω	±5%	1/10W	
R109	RCP-AX0	FXD	CHIP	0Ω	±5%	1/10W	
R110	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	

R3265/3271
2nd, 3rd CONVERTER
BLC-017027X01 (5 of 5)

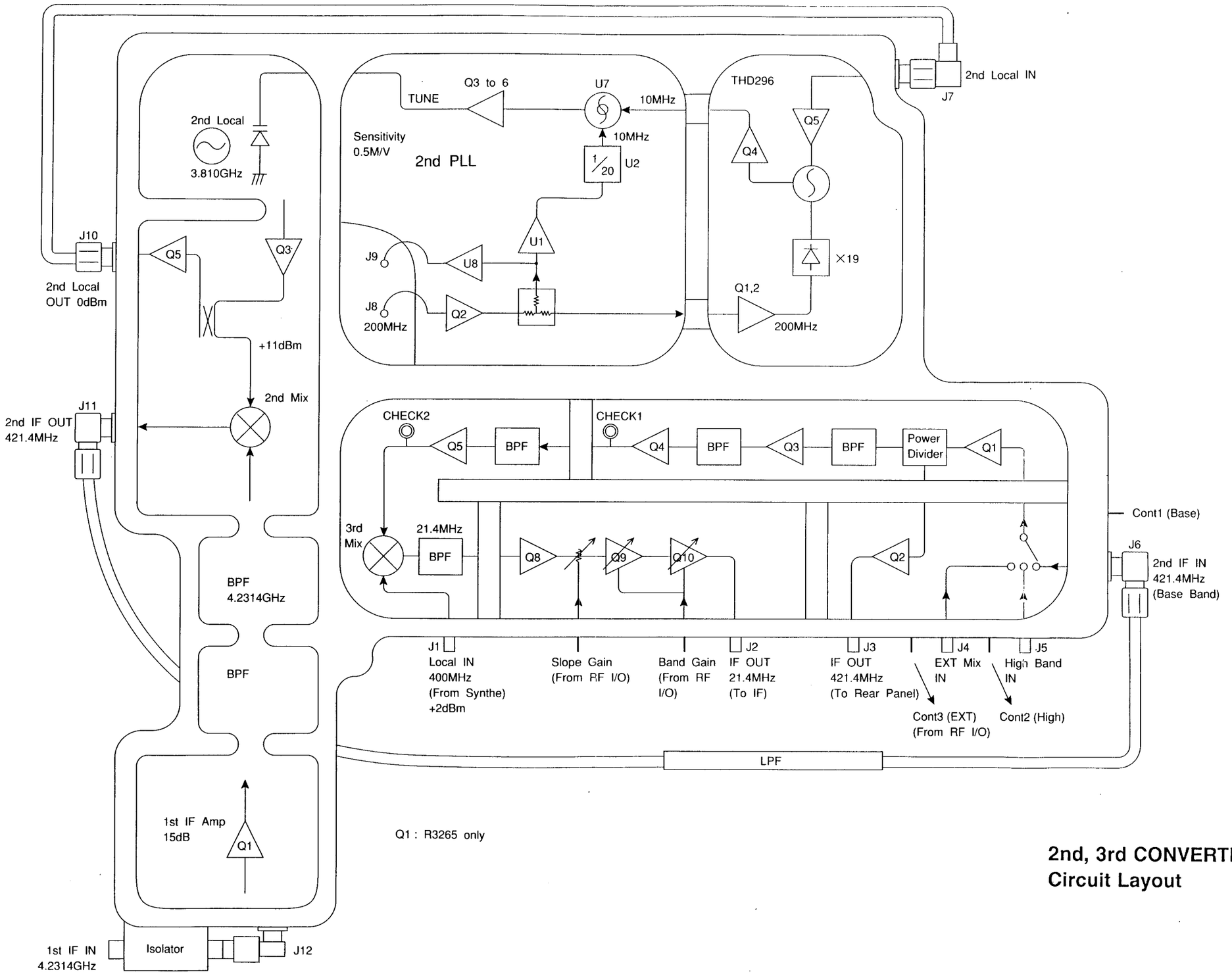
Parts No.	Advantest Stock No.	Description	Note
R111	RCB-AH100	FXD CHIP 100Ω ±5% 1/10W	
R113 -114	RCP-AJ330	FXD CHIP 330Ω ±5% 1/10W	
R115	RCP-AJ8R2K	FXD CHIP 8.2kΩ ±5% 1/10W	
SP1	JTE-BV002EX02-1	SHORT PIN	

R3265/3271
2nd, 3rd CONVERTER
BTF-017356 (1 of 2)

Parts No.	Advantest Stock No.	Description					Note
C1 -2	CCP-BA220P50V	FXD	CHIP	220pF	±5%	50V	
C3 -4	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C5	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C6	CCP-BA220P50V	FXD	CHIP	220pF	±5%	50V	
C7 -8	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C9	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C10	CCP-BA220P50V	FXD	CHIP	220pF	±5%	50V	
C11	CCP-BA1P50V	FXD	CHIP	1pF	±10%	50V	
C12 -13	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C14	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C15	CCP-BA2P50V	FXD	CHIP	2pF	±0.25pF	50V	
C16	CCP-BA18P50V	FXD	CHIP	18pF	±5%	50V	
C17	CCP-BA22P50V	FXD	CHIP	22pF	±5%	50V	
C18	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C19 -20	CCP-BA220P50V	FXD	CHIP	220pF	±5%	50V	
C21	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C22	CCP-BA220P50V	FXD	CHIP	220pF	±5%	50V	
D1 -2	SDZ-M027	Zenner Diode		2.7V			
D3	SDS-ND587T	Shottkey Barrier GaAs Diode Pair				Ct = 0.26pF	
D4	SDS-1SS101	Shottkey Barrier Si Diode				Ct = 2.0pF	
L1	LCL-A00668	FXD	Coil		11nH		
Q1	SFN-2SK878	ALGaAs/GaAs		HEMT			
Q2	STP-2SA812	Transistor		PNP			
Q3	STN-2SC3604	Transistor		NPN	Low Noise & High Gain ft = 9GHz		
Q4	STP-2SA812	Transistor		PNP			
Q5	SFN-FSC10LF	GaAs		FET	Low Noise		
Q6	STP-2SA812	Transistor		NPN			
Q7	STN-2SC3604	Transistor		NPN	Low Noise & High Gain ft = 9GHz		
R1	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10W	
R2	RCP-AJ1R2K	FXD	CHIP	1.2kΩ	±5%	1/10W	
R3	RCP-AJ120	FXD	CHIP	120Ω	±5%	1/10W	
R4	RCP-AJ100	FXD	CHIP	100Ω	±5%	1/10W	
R5 -6	RCP-AJ10K	FXD	CHIP	10kΩ	±5%	1/10W	
R7	RCP-AJ51	FXD	CHIP	51Ω	±5%	1/10W	
R8	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R9	RCP-AJ3R3K	FXD	CHIP	3.3kΩ	±5%	1/10W	
R10	RCP-AJ750	FXD	CHIP	750Ω	±5%	1/10W	
R11	RCP-AJ47	FXD	CHIP	47Ω	±5%	1/10W	
R12	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R13 -14	RCP-AJ51	FXD	CHIP	51Ω	±5%	1/10W	

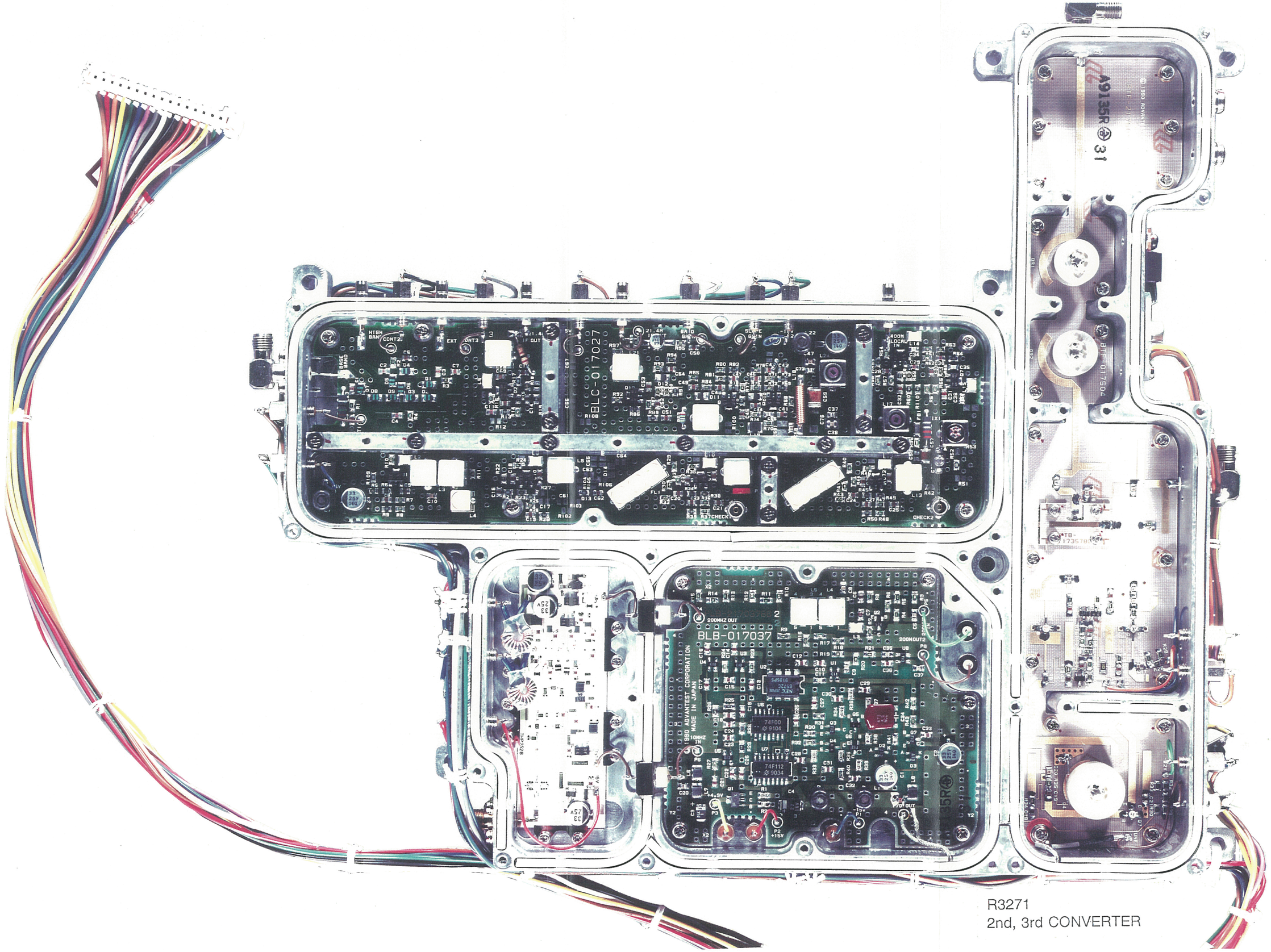
R3265/3271
2nd, 3rd CONVERTER
BTF-017356 (2 of 2)

Parts No.	Advantest Stock No.	Description					Note
R15	RCP-AJ10	FXD	CHIP	10Ω	±5%	1/10W	
R16	RCP-AJ1R8K	FXD	CHIP	1.8kΩ	±5%	1/10W	
R17	RCP-AJ820	FXD	CHIP	820Ω	±5%	1/10W	
R18	RCP-AJ62	FXD	CHIP	62Ω	±5%	1/10W	
R19	RCP-AJ100	FXD	CHIP	100Ω	±5%	1/10W	
R20	RCP-AH10K	FXD	CHIP	10kΩ	±5%	1/10W	
R21	RCP-AJ10K	FXD	CHIP	10kΩ	±5%	1/10W	
R22	RCP-AJ51	FXD	CHIP	51Ω	±5%	1/10W	
R26	RCP-AJ68	FXD	CHIP	68Ω	±5%	1/10W	
R27	RCP-AJ100	FXD	CHIP	100Ω	±5%	1/10W	
R28	RCP-AJ100	FXD	CHIP	100Ω	±5%	1/10W	
R29	RCP-AJ3R3K	FXD	CHIP	3.3kΩ	±5%	1/10W	
R30	RCP-AJ1K	FXD	CHIP	1kΩ	±5%	1/10W	
R31	RCP-AJ470	FXD	CHIP	470Ω	±5%	1/10W	
R32 -33	RCP-AJ510	FXD	CHIP	510Ω	±5%	1/10W	
R34	RCP-AJ51	FXD	CHIP	51Ω	±5%	1/10W	
R35	RCP-AJ51	FXD	CHIP	51Ω	±5%	1/10W	

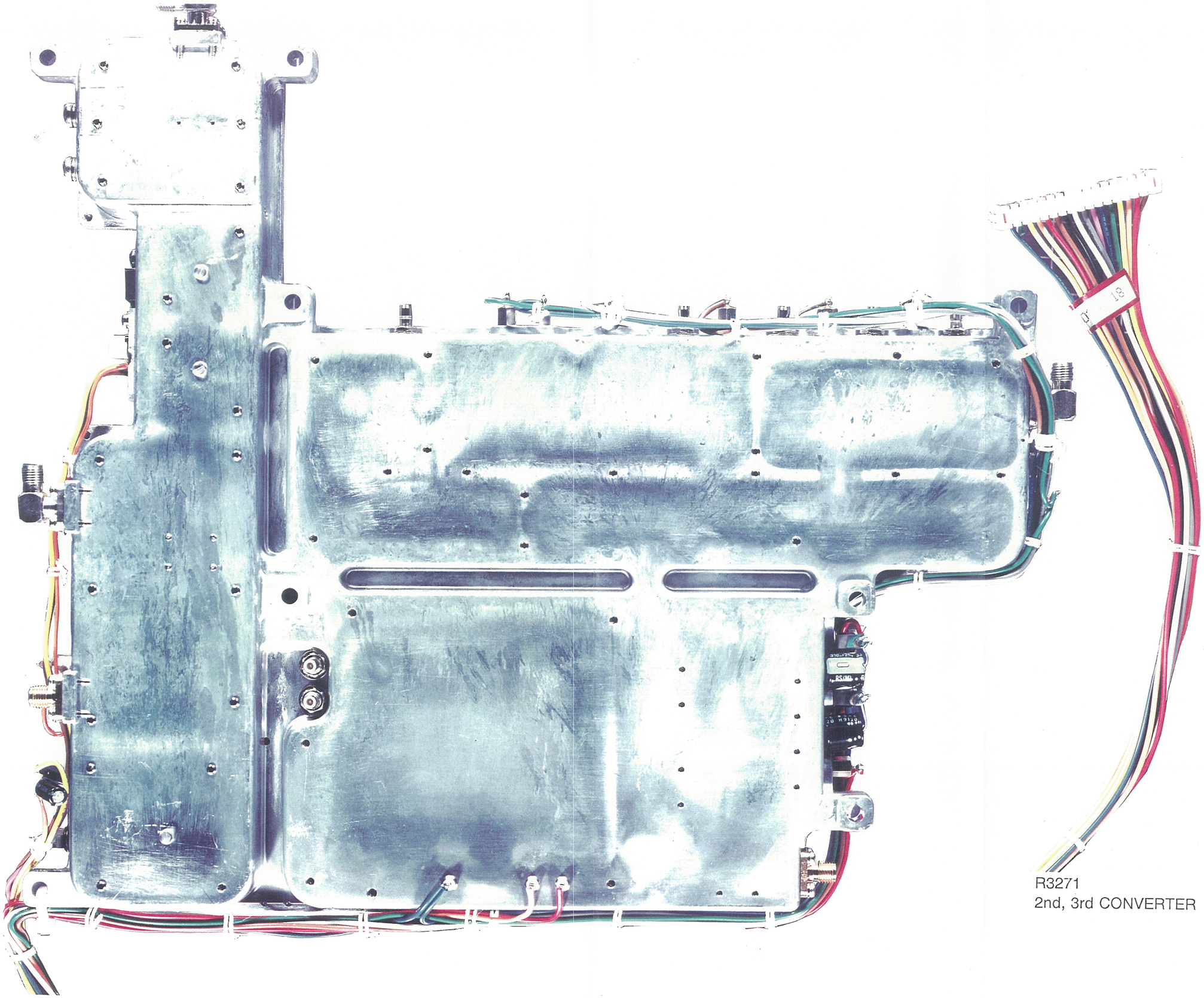


Q1 : R3265 only

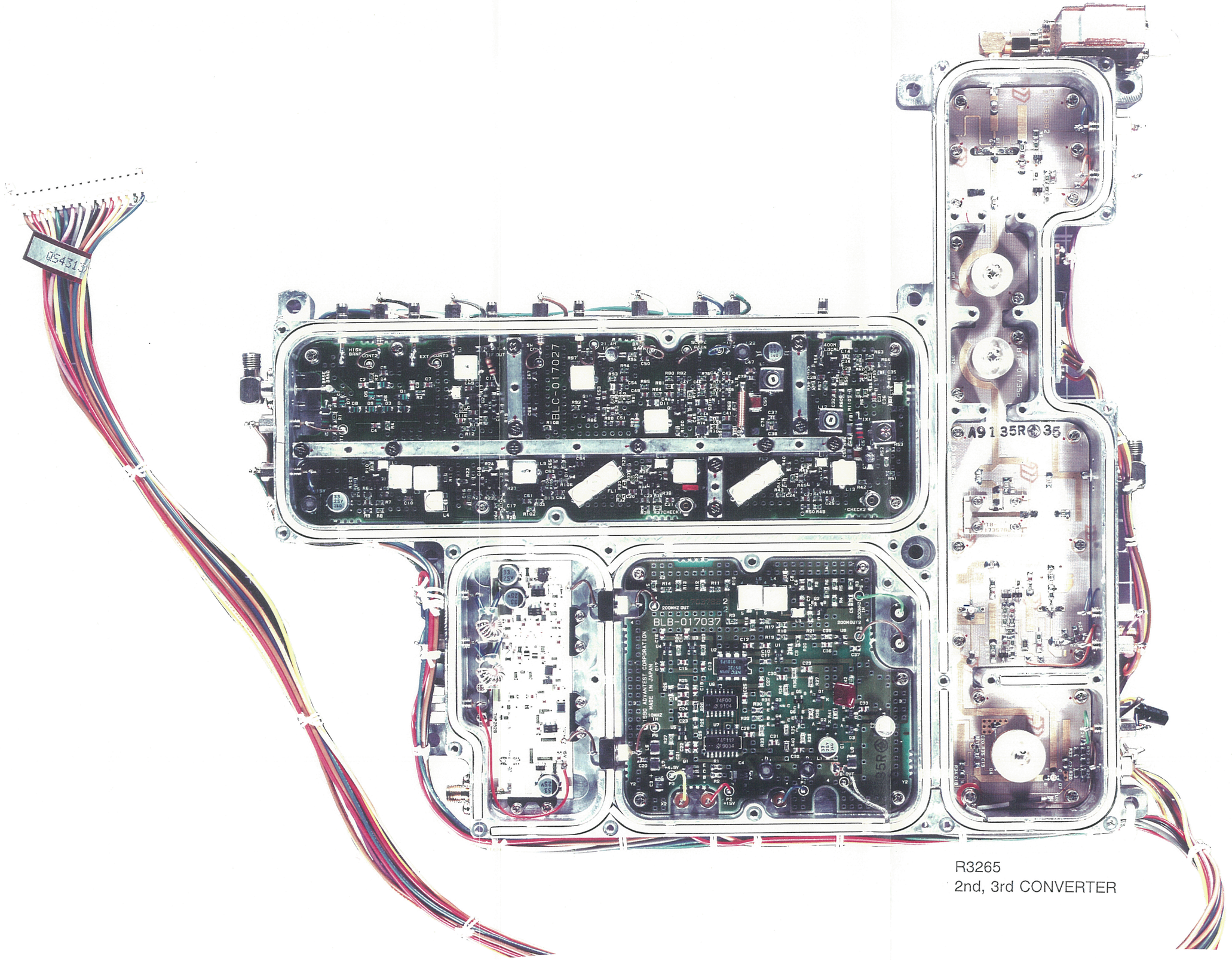
2nd, 3rd CONVERTER Circuit Layout



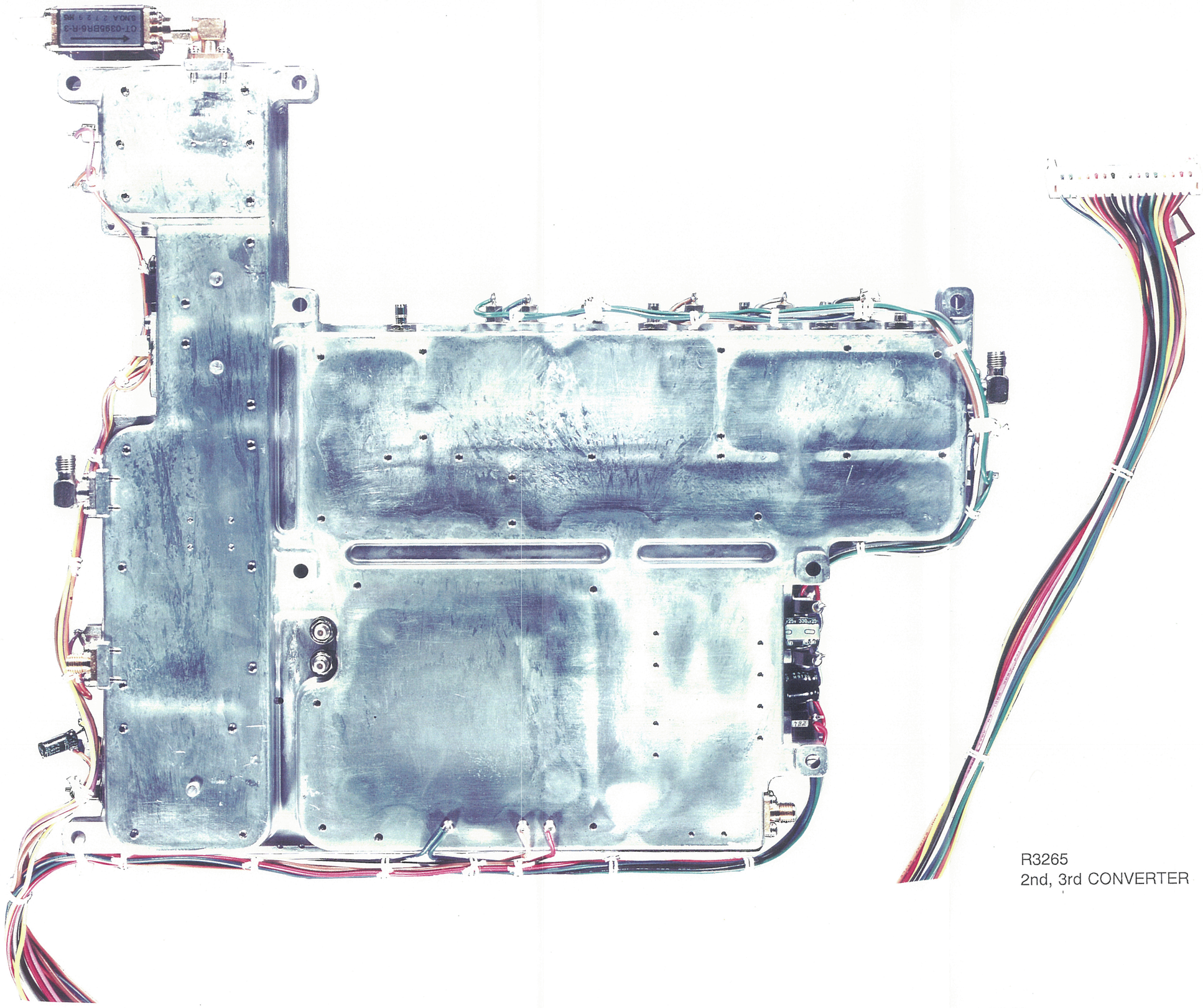
R3271
2nd, 3rd CONVERTER



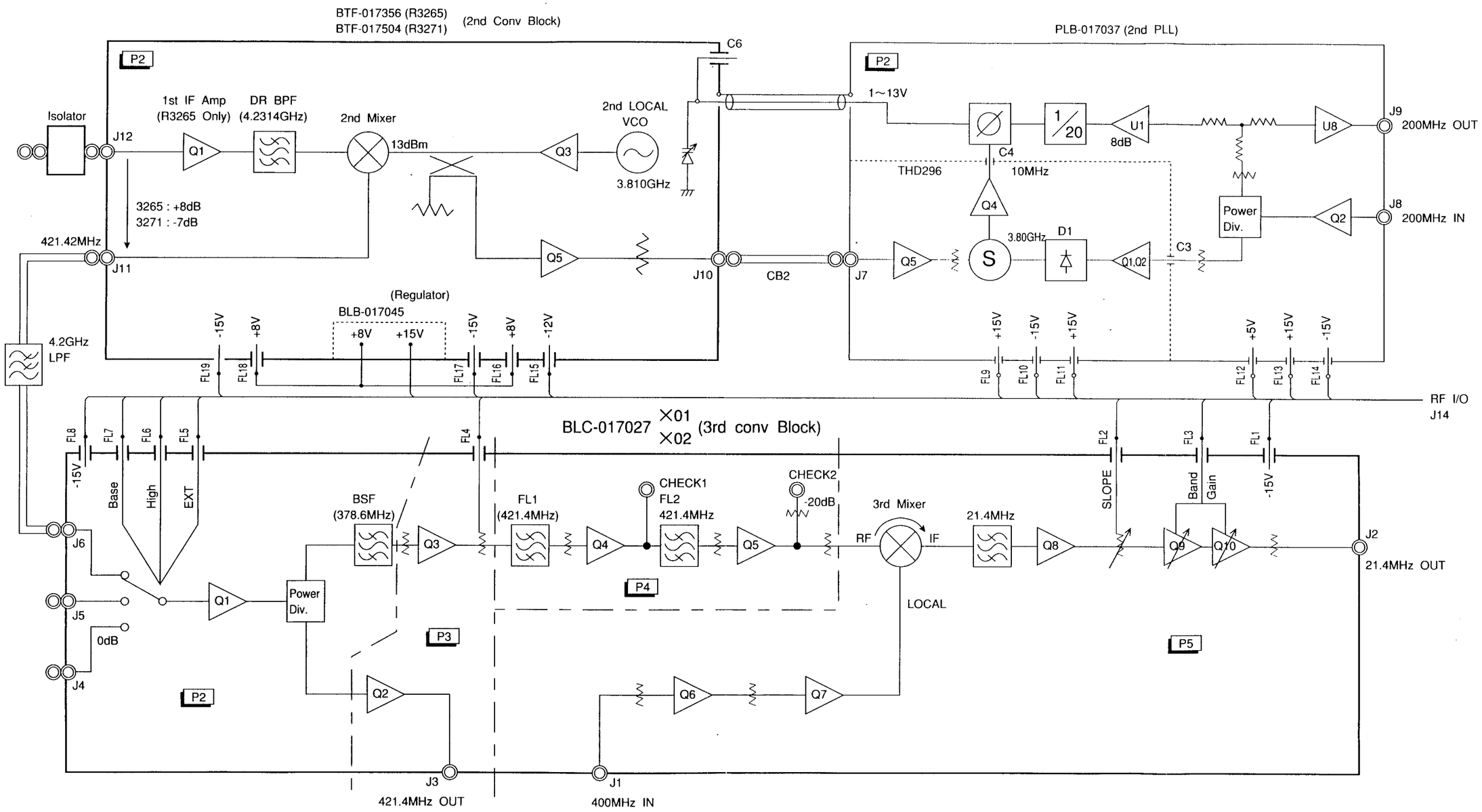
R3271
2nd, 3rd CONVERTER



R3265
2nd, 3rd CONVERTER



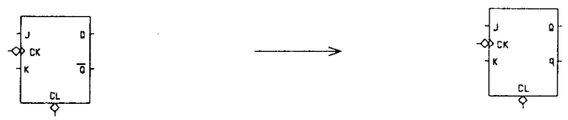
R3265
2nd, 3rd CONVERTER


BTF-017356 (R3265)
BTF-017504 (R3271)
(2nd Conv Block)
PLB-017037 (2nd PLL)
P2
C6
1~13V
Isolator
J12
1st IF Amp
(R3265 Only)
DR BPF
(4.2314GHz)
Q1
2nd Mixer
13dBm
Q3
2nd LOCAL
VCO
3.810GHz
3265 : +8dB
3271 : -7dB
421.42MHz
J11
Q5
J10
CB2
J7
Q5
1/20
U1
8dB
U8
J9
200MHz OUT
C4
THD296
10MHz
Q4
3.80GHz
D1
S
Q1,Q2
C3
Power
Div.
Q2
J8
200MHz IN
(Regulator)
BLB-017045
+8V
+15V
4.2GHz
LPF
-15V
+8V
-12V
FL19
FL18
FL17
FL16
FL15
+15V
-15V
FL9
FL10
FL11
+5V
FL12
FL13
FL14
RF I/O
J14
BLC-017027 ×01 ×02 (3rd conv Block)
FL8
FL7
FL6
FL5
FL4
FL2
FL3
FL1
Base
High
EXT
SLOPE
Band
Gain
J6
J5
J4
0dB
BSF
(378.6MHz)
FL1
(421.4MHz)
CHECK1
FL2
421.4MHz
CHECK2
-20dB
3rd Mixer
RF
IF
21.4MHz
Q8
Q9
Q10
J2
21.4MHz OUT
LOCAL
P3
P4
P5
Q6
Q7
J3
421.4MHz OUT
J1
400MHz IN

■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

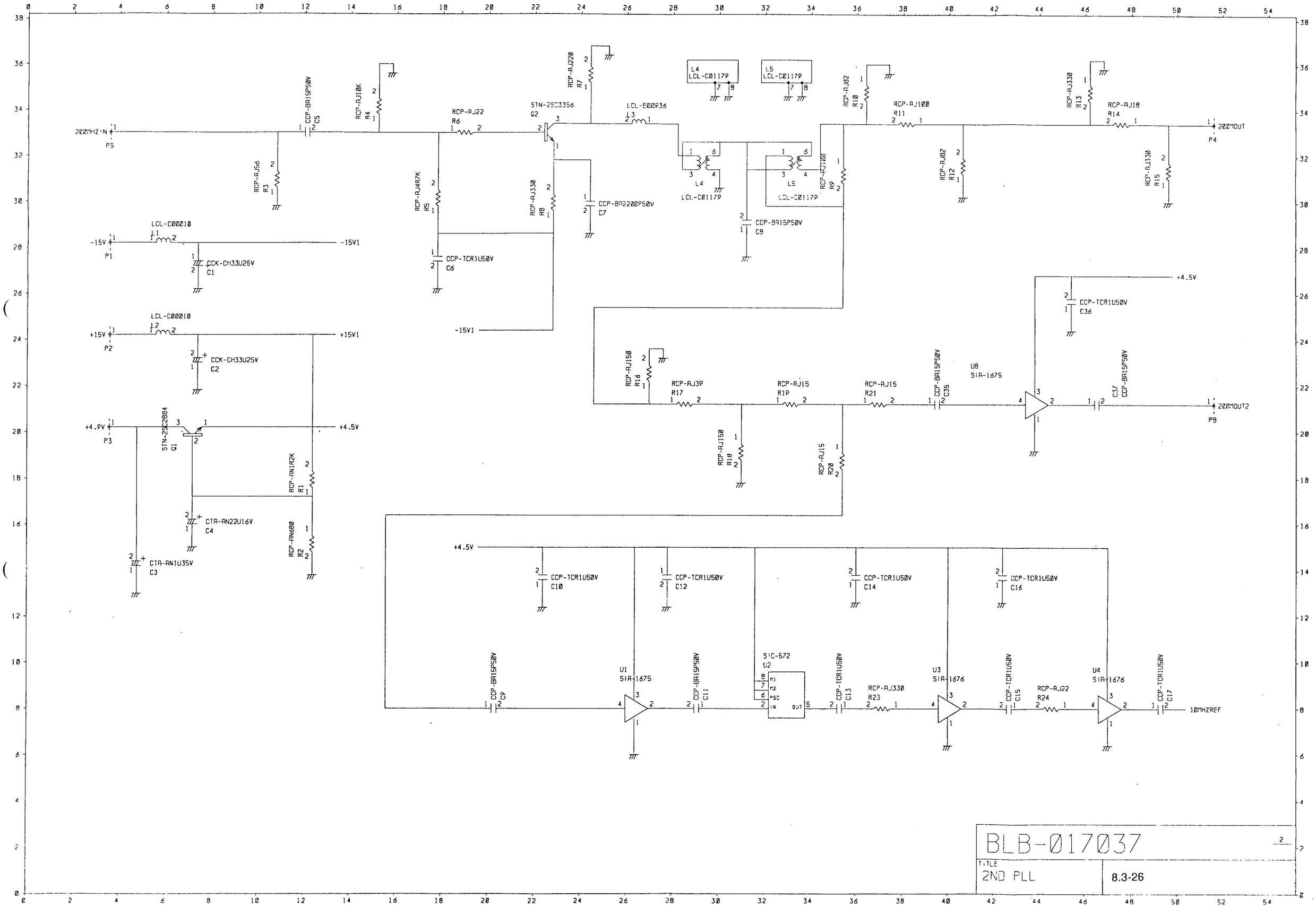
IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)



BLB-017037 1

TITLE
2ND PLL

8.3-25



BLB-017037

2

TITLE
2ND PLL

8.3-26

+15V1
+4.5V
10MHZREF
10MHZ IN
P6
LCL-E00949
LCL-E00949
CCP-BA470P50V C20
CCP-TCR1U50V C18
CCP-TCR1U50V C19
CCP-TCR1U50V C21
CCP-TCR1U50V C22
CCP-TCR1U50V C23
CCP-TCR1U50V C24
CCP-TCR1U50V C25
CCP-TCR1U50V C26
CCP-TCR1U50V C27
CCP-TCR1U50V C28
CCP-TCR1U50V C29
CCP-TCR1U50V C30
CCP-TCR1U50V C31
CCP-TCR1U50V C32
CCP-TCR1U50V C33
CFM-ASR047U50V C34
RCP-AJ2R2K R25
RCP-AJ680 R26
RCP-AJ22 R27
RCP-AJ2R2K R28
RCP-AJ680 R29
RCP-AJ22 R31
RCP-AJ22 R32
RCP-AN1K R34
RCP-AN100 R36
RCP-AN1K R37
RCP-AN390 R41
RCP-AJ15K R42
RCP-AJ1R2K R43
RCP-AN1K R35
RCP-AN1K R39
RCP-AN1R5K R40
U5 SIA-1676
U6 SIT-74F00S
U7 SIT-74F112S
SIN-2SC2223 Q3
STP-2SA1226 Q5
STP-2SA1226 Q4
SIN-2SC2223 Q6
SDS-1SS220 D1
SDS-1SS220 D3
SDS-1SS220 D2
LCL-E00962 L8
P/DOUT P7
C38 CCP-BA1000P50V
RCP-AN910 R30
RCP-AN910 R33
RCP-AN3R9K R38
-15V1
© P_B-21703788

BLB-017037 3

TITLE 2ND PLL | 8.3-27

BLB-017037

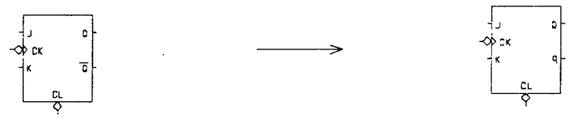
4/4

TITLE
2ND PLL

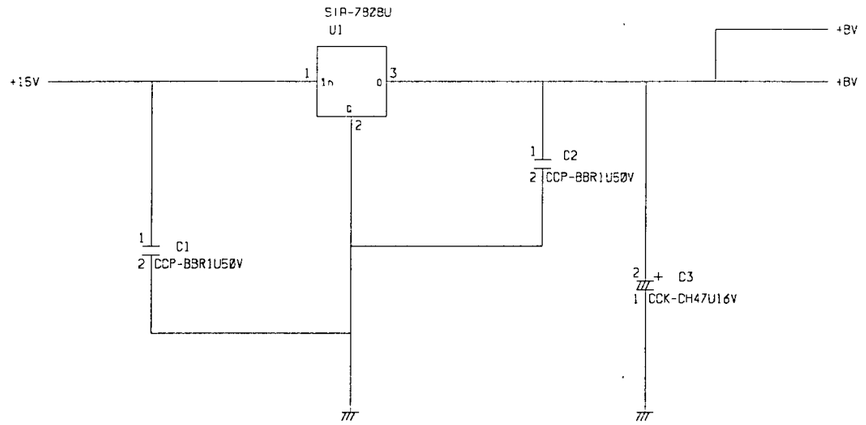
■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)



BLB-017045	1
TITLE: 8V REGULATOR	8.3-29



BLB-017045

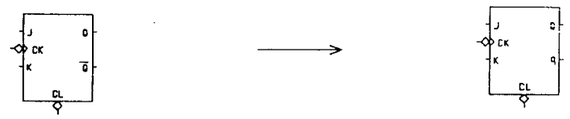
TITLE
8V REGULATOR

8.3-30

■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

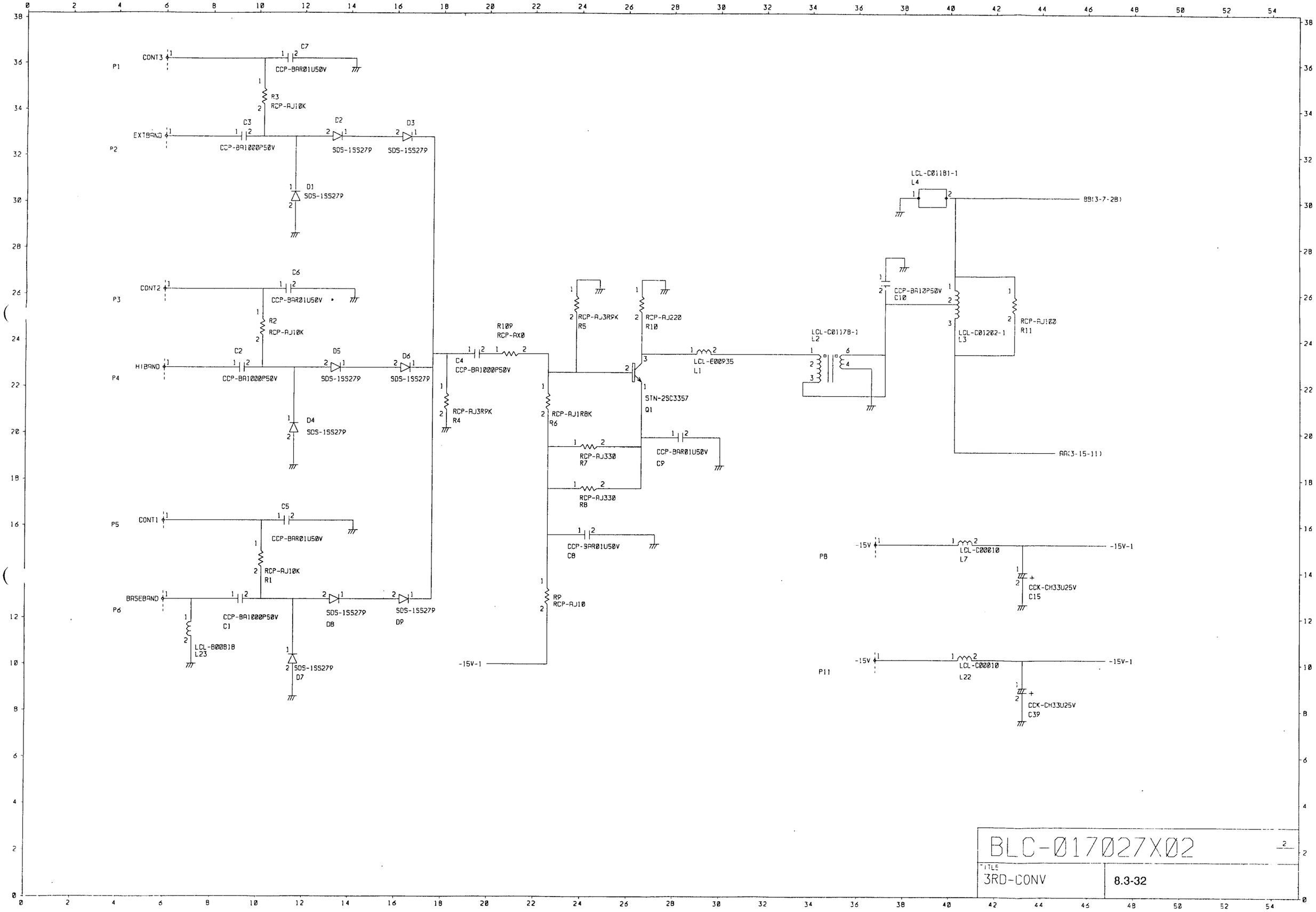
IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE
DISPLAYED BY SMALL LETTER)



BLC-017027X02 1

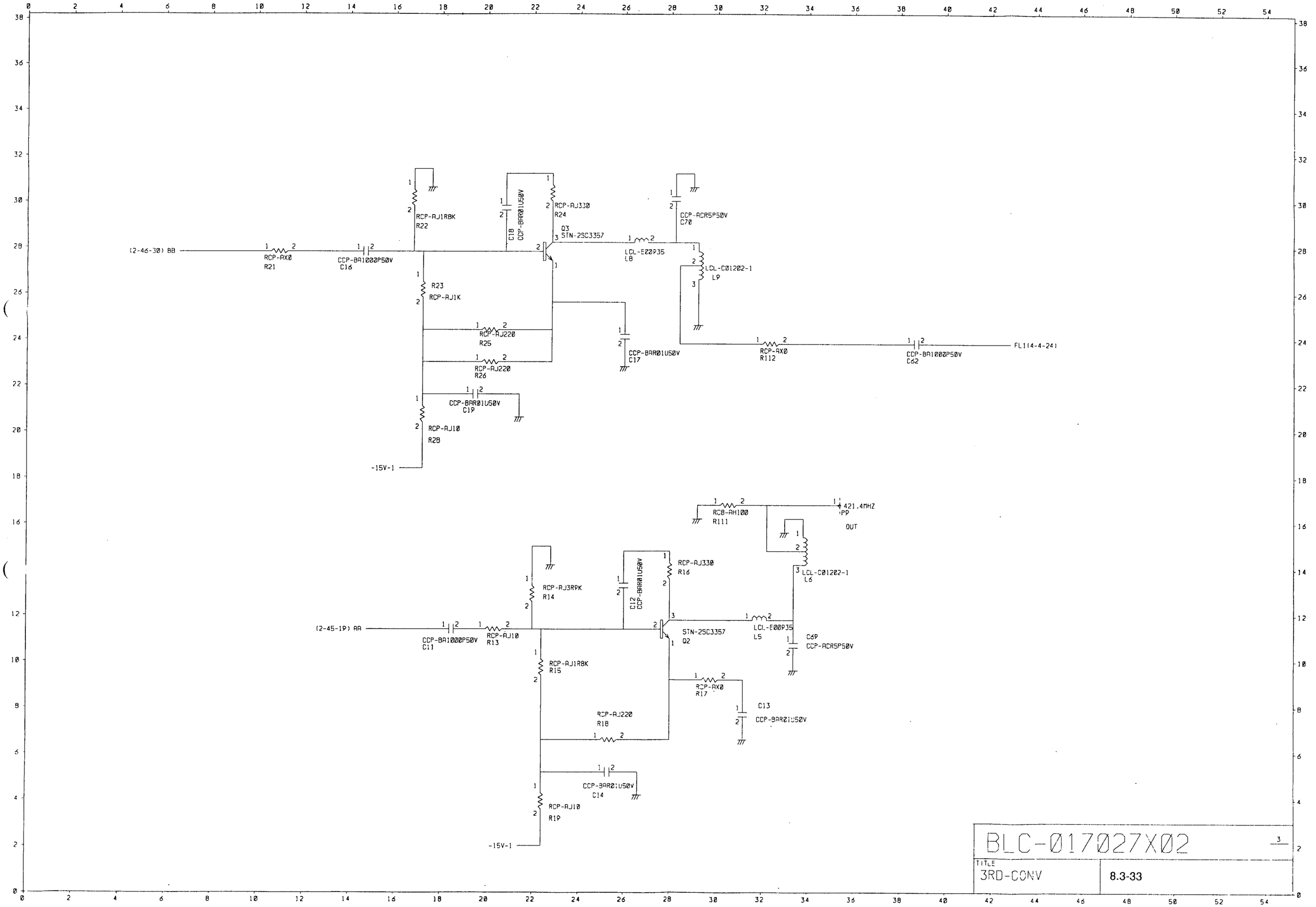
TITLE
3RD-CONV

8.3-31

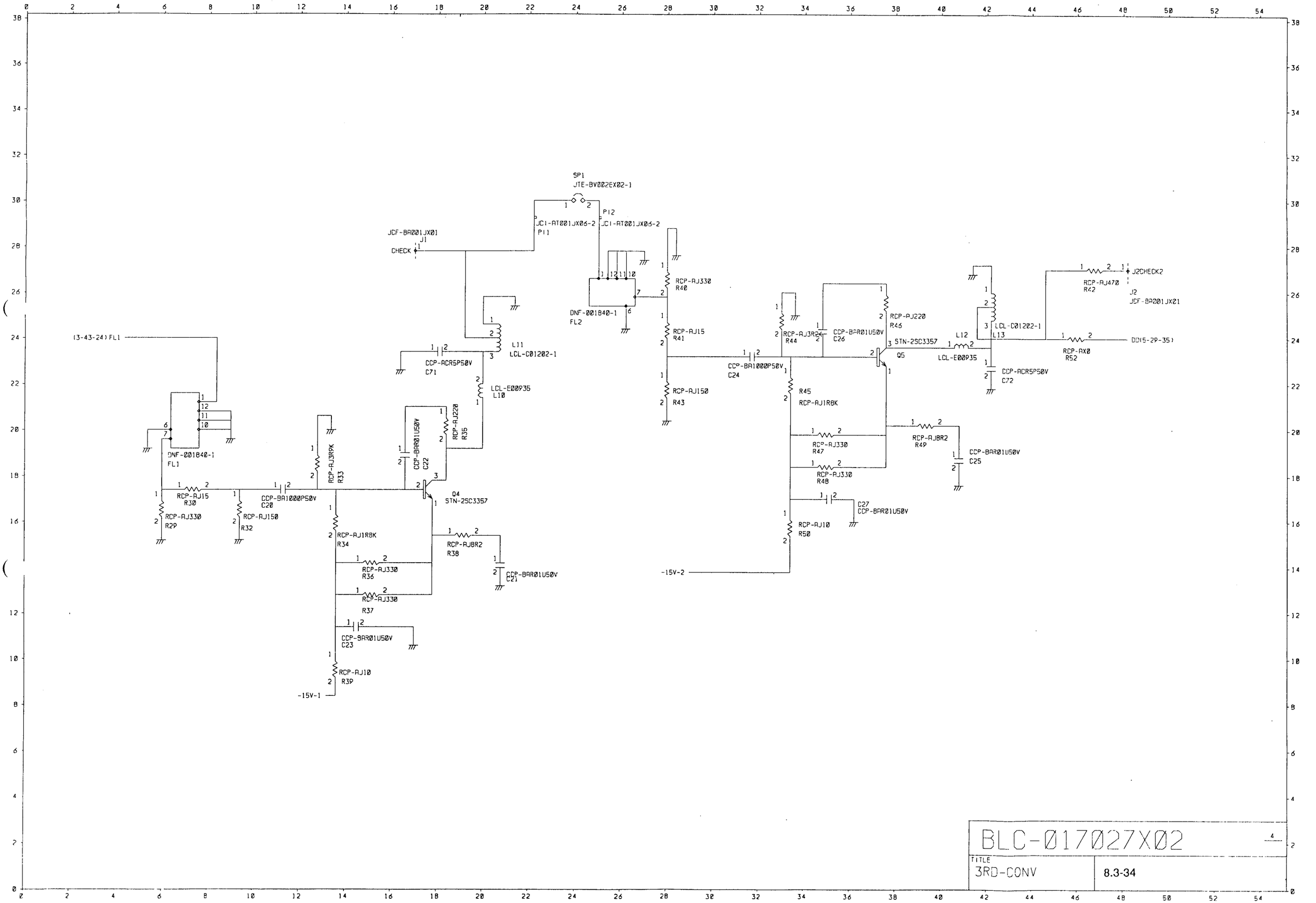


BLC-017027X02 2

TITLE
3RD-CONV



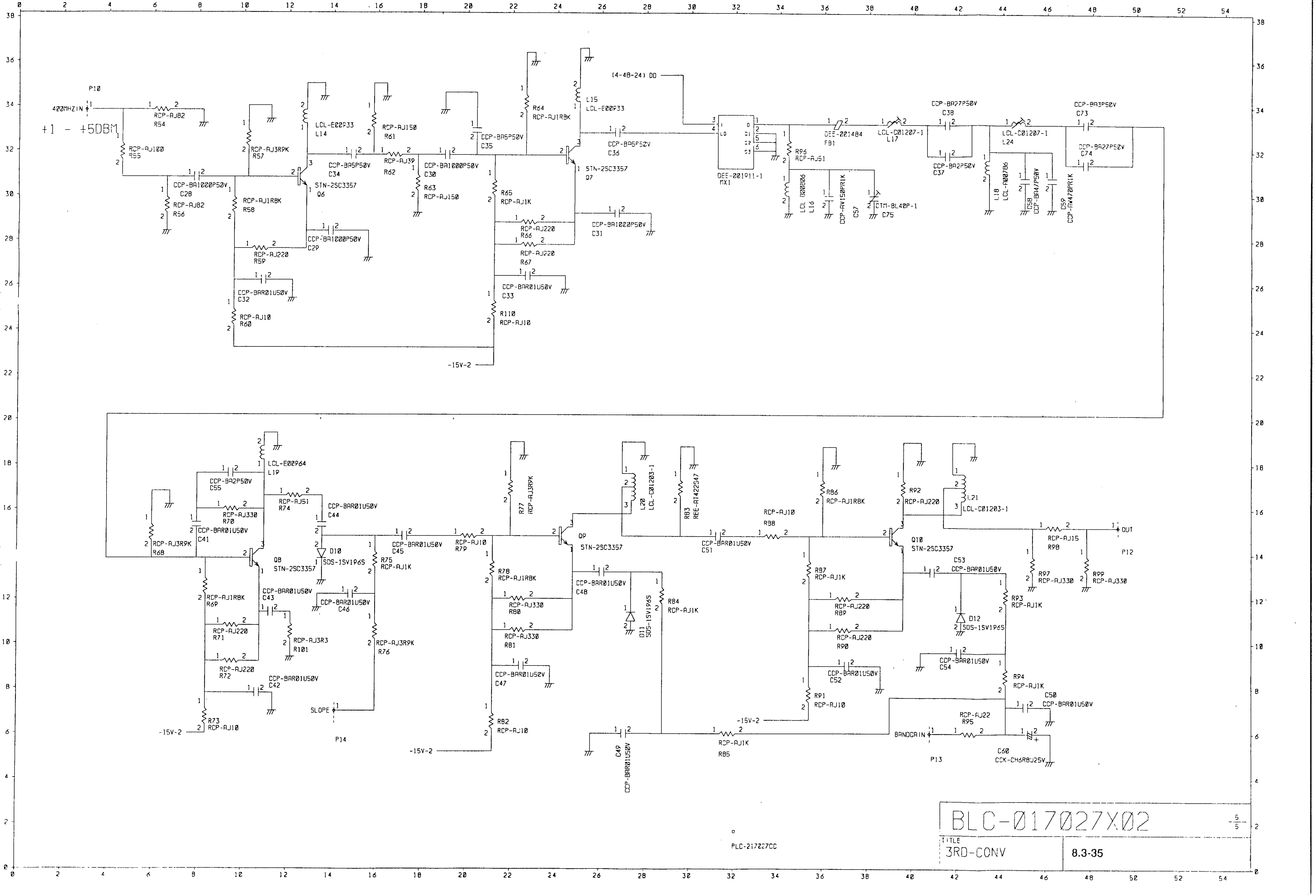
BLC-Ø17Ø27XØ2	3
TITLE 3RD-CONV	8.3-33



BLC-017027X02 4

TITLE 3RD-CONV

8.3-34



P10
400MHZIN
+1 - +5DBM
RCP-AJ82
R54
RCP-AJ100
R55
CCP-BA1000P50V
C28
RCP-AJ82
R56
RCP-AJ3R9K
R57
RCP-AJ1R8K
R58
RCP-AJ220
R59
CCP-BAR01U50V
C32
RCP-AJ10
R60
LCL-E00P33
L14
STN-2SC3357
Q6
CCP-BA5P50V
C34
CCP-BA1000P50V
C29
RCP-AJ150
R61
RCP-AJ39
R62
CCP-BA1000P50V
C30
RCP-AJ150
R63
CCP-BA5P50V
C35
R64
RCP-AJ1R8K
R65
RCP-AJ1K
RCP-AJ220
R66
RCP-AJ220
R67
CCP-BAR01U50V
C33
R110
RCP-AJ10
-15V-2
L15
LCL-E00P33
CCP-BA5P50V
C36
STN-2SC3357
Q7
CCP-BA1000P50V
C31
(4-48-24) DD
DEE-001911-1
MX1
R96
RCP-AJ51
LCL B00806
L16
CCP-AV150PR1K
C57
CTM-BL40P-1
C75
DEE-001484
FB1
LCL-C01207-1
L17
CCP-BA27P50V
C38
CCP-BA2P50V
C37
LCL-C01207-1
L24
L18
LCL-A00786
CCP-BA14/P50V
C58
C59
CCP-AV470PR1K
CCP-BA3P50V
C73
CCP-BA27P50V
C74
LCL-E00964
L19
CCP-BA2P50V
C55
RCP-AJ330
R70
CCP-BAR01U50V
C41
RCP-AJ3R9K
R68
RCP-AJ51
R74
CCP-BAR01U50V
C44
D10
SDS-1SV196S
STN-2SC3357
Q8
RCP-AJ1R8K
R69
CCP-BAR01U50V
C43
RCP-AJ220
R71
RCP-AJ3R3
R101
RCP-AJ220
R72
CCP-BAR01U50V
C42
R73
RCP-AJ10
-15V-2
CCP-BAR01U50V
C46
RCP-AJ3R9K
R76
R75
RCP-AJ1K
SLOPE
P14
CCP-BAR01U50V
C45
RCP-AJ10
R79
R77
RCP-AJ3R9K
R78
RCP-AJ1R8K
RCP-AJ330
R80
RCP-AJ330
R81
CCP-BAR01U50V
C47
R82
RCP-AJ10
-15V-2
Q9
STN-2SC3357
CCP-BAR01U50V
C48
D11
SDS-1SV196S
R84
RCP-AJ1K
L20
LCL-C01203-1
R83
REE-AT422S47
CCP-BAR01U50V
C51
RCP-AJ10
R88
R86
RCP-AJ1R8K
R87
RCP-AJ1K
RCP-AJ220
R89
RCP-AJ220
R90
CCP-BAR01U50V
C52
R91
RCP-AJ10
-15V-2
C49
CCP-BAR01U50V
RCP-AJ1K
R85
R92
RCP-AJ220
L21
LCL-C01203-1
Q10
STN-2SC3357
C53
CCP-BAR01U50V
D12
SDS-1SV196S
R93
RCP-AJ1K
CCP-BAR01U50V
C54
R94
RCP-AJ1K
C50
CCP-BAR01U50V
RCP-AJ22
R95
BANDGAIN
P13
C60
CCK-CH6R8U25V
RCP-AJ15
R98
R97
RCP-AJ330
R99
RCP-AJ330
OUT
P12
PLC-217027CC
BLC-017027X02
5/5
TITLE
3RD-CONV
8.3-35

■ DIAGRAMS ILLUSTRATION

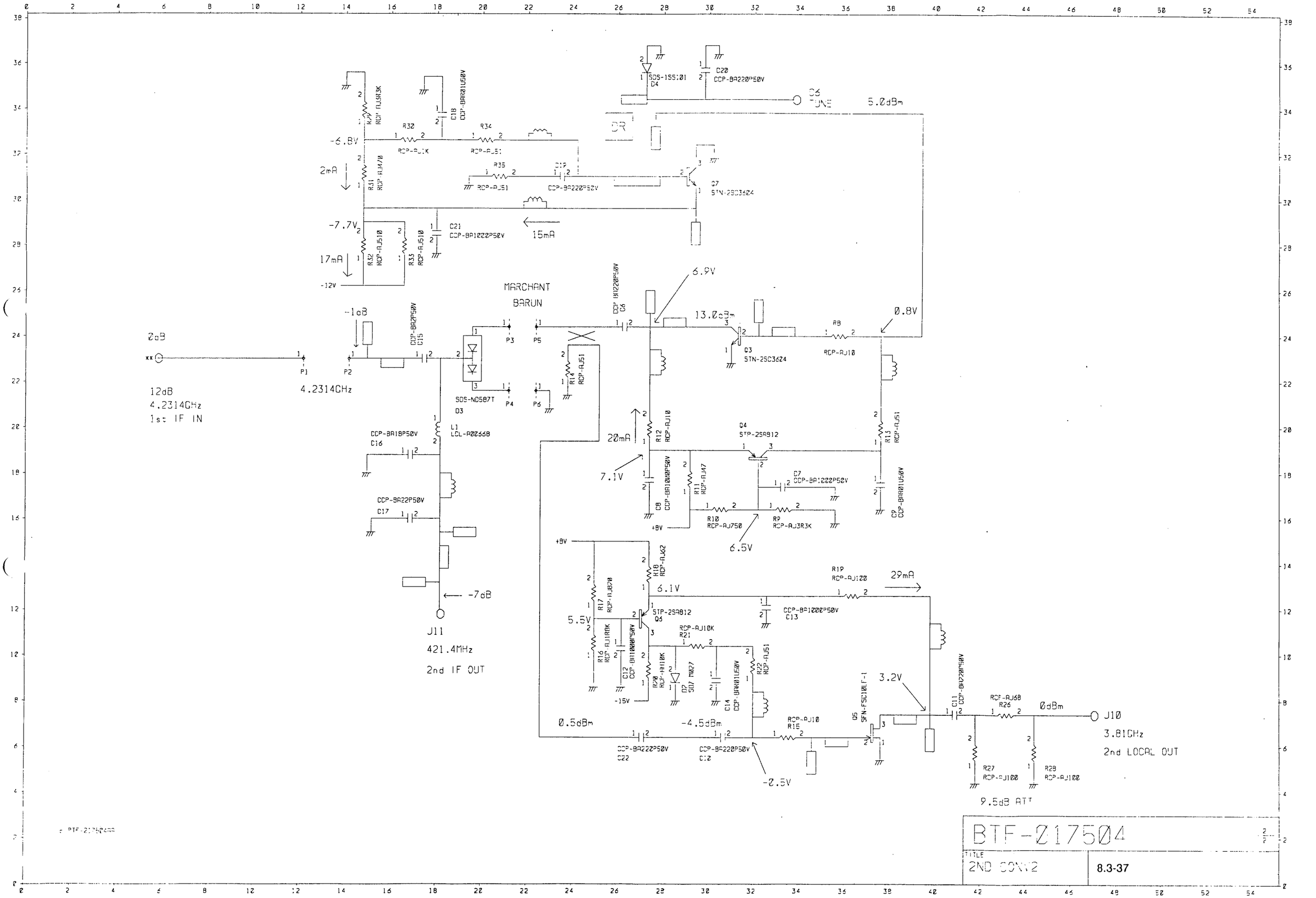
SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

BTF-017504

TITLE: 2ND CONV2

8.3-36

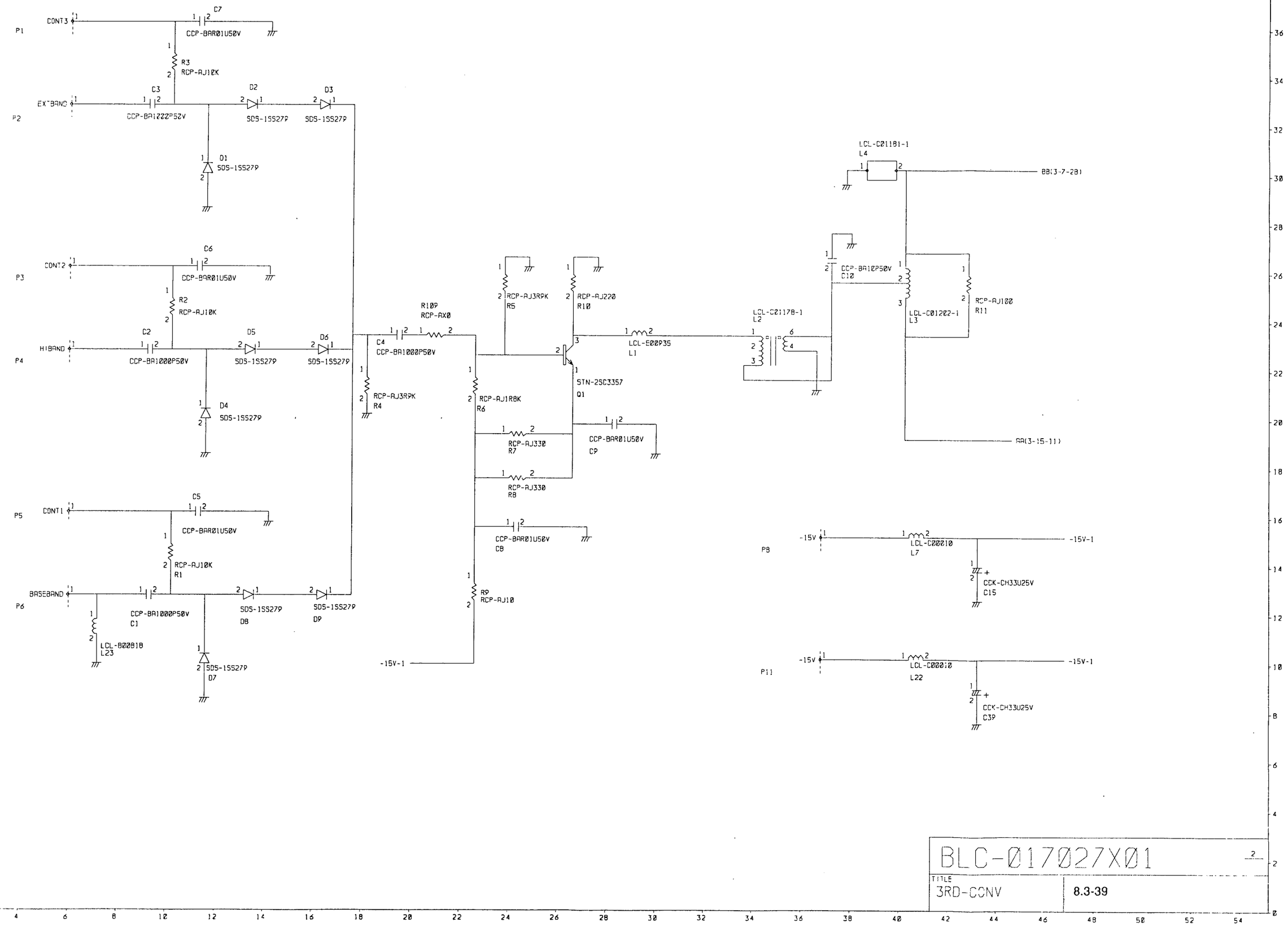

D4
SDS-1SS101
C20
CCP-BA220P50V
D6
TUNE
5.0dBm
CR
R32
RCP-AJ1K
R34
RCP-AJ51
C18
CCP-BAR01U50V
-6.8V
2mA
R31
RCP-AJ47Ø
R35
RCP-AJ51
C19
CCP-BA220P50V
Q7
STN-2SC3624
-7.7V
C21
CCP-BA1Ø22P50V
15mA
R32
RCP-AJ51Ø
R33
RCP-AJ51Ø
17mA
-12V
MARCHANT
BARUN
CCP-BA220P50V
C6
6.9V
13.Ø8m
-1ØdB
CCP-BA2P50V
C15
P3
P5
P2
P1
P4
P6
SDS-ND587T
D3
R14
RCP-AJ51
Q3
STN-2SC3624
RB
RCP-AJ1Ø
Ø.8V
2ØdB
xx
12dB
4.2314GHz
1st IF IN
4.2314GHz
L1
LCL-A00366B
CCP-BA18P50V
C16
CCP-BA22P50V
C17
20mA
R12
RCP-AJ1Ø
Q4
STP-2SA812
R13
RCP-AJ51
7.1V
C8
CCP-BA1ØØP50V
R11
RCP-AJ47
C7
CCP-BA1222P50V
C9
CCP-BAR01U50V
R10
RCP-AJ750
R9
RCP-AJ3R3K
+8V
6.5V
-7dB
J11
421.4MHz
2nd IF OUT
+8V
R18
RCP-AJ62
R19
RCP-AJ12Ø
29mA
6.1V
R17
RCP-AJ82Ø
STP-2SA812
Q6
CCP-BA1222P50V
C13
5.5V
R16
RCP-AJ11R8K
RCP-AJ10K
R21
C12
CCP-BA1Ø000P50V
R20
RCP-AJ11ØK
D2
SVC MA27
C14
CCP-BAR01U50V
R22
RCP-AJ51
-15V
3.2V
Ø.5dBm
-4.5dBm
RCP-AJ1Ø
R15
Q5
SFN-FSC101LF-1
C11
CCP-BA220P50V
RCP-AJ68
R26
ØdBm
J1Ø
3.81GHz
2nd LOCAL OUT
CCP-BA22P50V
C22
CCP-BA220P50V
C12
-2.5V
R27
RCP-AJ1ØØ
R28
RCP-AJ1ØØ
9.5dB ATT
BTF-Ø17504
TITLE
2ND CONV2
8.3-37

■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

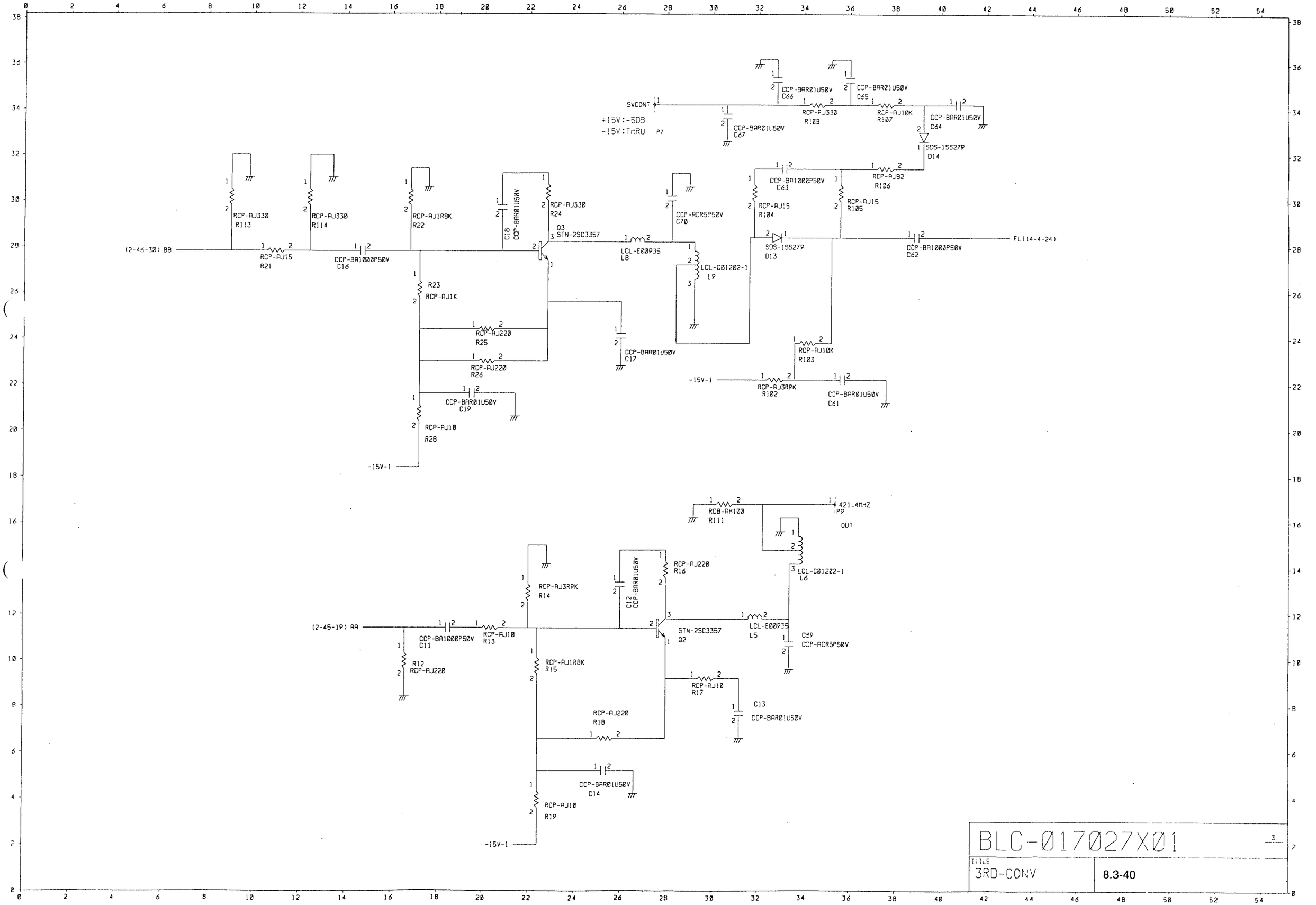
BLC-017027X01	1
TITLE 3RD-CONV	8.3-38



BLC-017027X01 2

TITLE
3RD-CONV

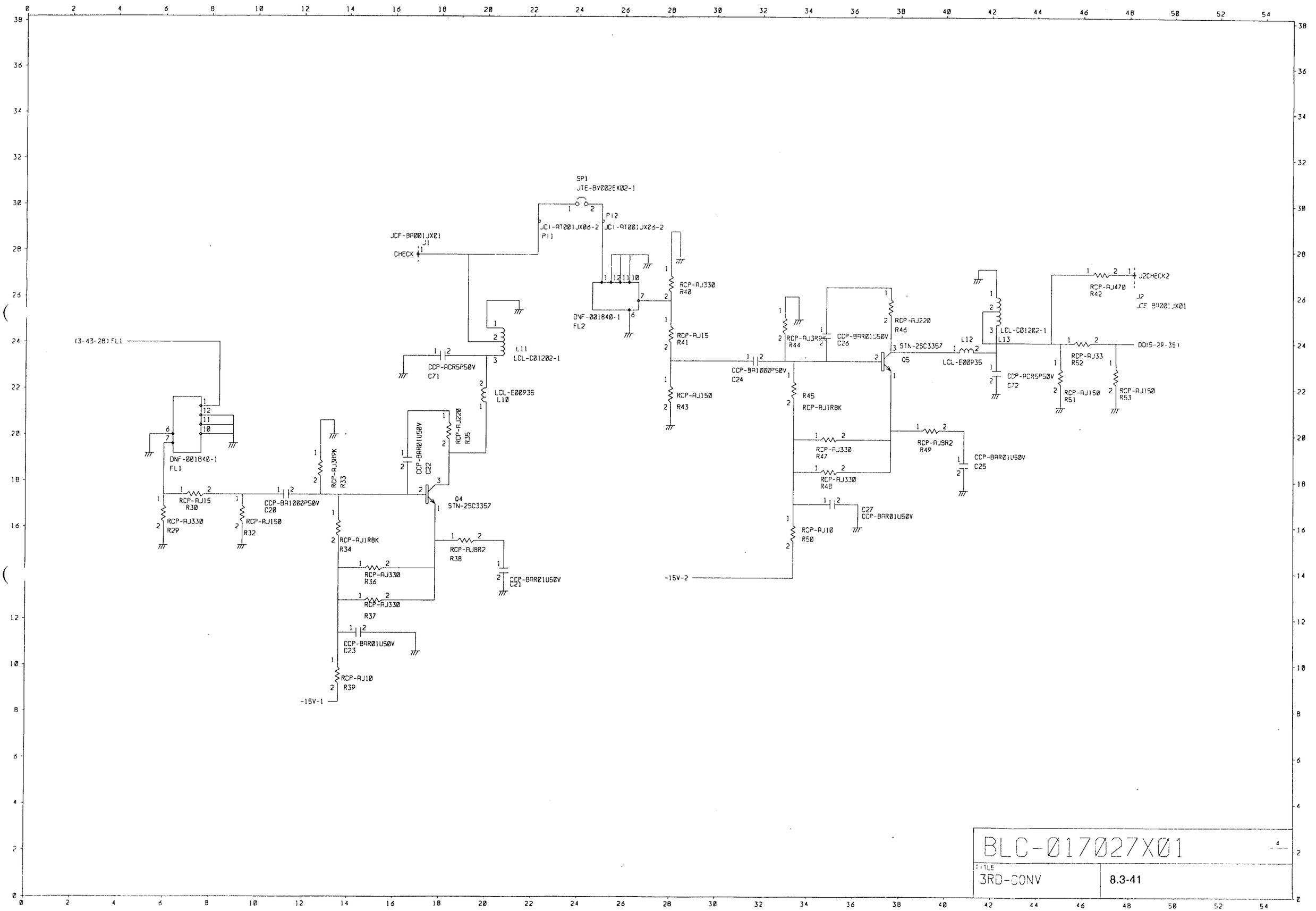
8.3-39



BLC-017027X01 3

TITLE 3RD-CONV

8.3-40



BLC-017027X01	4
TITLE: 3RD-CONV	8.3-41

P10
400MHZIN
+1 - +5DBM
RCP-AJ82 R54
RCP-AJ100 R55
RCP-AJ82 R56
CCP-BA1000P50V C28
RCP-AJ3R9K R57
RCP-AJ1R8K R58
RCP-AJ220 R59
RCP-AJ10 R60
CCP-BAR01U50V C32
LCL-E20P33 L14
CCP-BA5P50V C34
CCP-BA1000P50V C29
STN-2SC3357 Q6
RCP-AJ150 R61
RCP-AJ39 R62
CCP-BA1000P50V C30
R63 RCP-AJ150
CCP-BA5P50V C35
-15V-2
R64 RCP-AJ1R8K
L15 LCL-E20P33
CCP-BA5P50V C36
STN-2SC3357 Q7
R65 RCP-AJ1K
RCP-AJ220 R66
RCP-AJ220 R67
CCP-BAR01U50V C33
R110 RCP-AJ10
CCP-BA1000P50V C31
(4-4B-24) DD
DEE-001911-1 MX1
RP6 RCP-AJ51
LCL-B00006 L16
CCP-AV15WPR1K C57
DEE-001484 FB1
CTM-BL40P-1 C75
LCL-C01207-1 L17
RCP-AJ8R2K R115
CCP-BP27P50V C38
CCP-BA2P50V C37
LCL-C01227-1 L24
L18 LCL-A00786
CCP-BA7P50V C58
CCP-HW470PR1K C59
CCP-BA3P50V C73
CCP-BA27P50V C74

LCL-E20964 L19
CCP-BA2P50V C55
RCP-AJ51 R74
RCP-AJ330 R70
CCP-BAR01U50V C41
RCP-AJ3R9K R68
CCP-BAR01U50V C44
D10 SDS-1SV196S
Q8 STN-2SC3357
CCP-BAR01U50V C43
CCP-BAR01U50V C46
RCP-AJ1R8K R69
RCP-AJ220 R71
RCP-AJ3R3 R101
RCP-AJ220 R72
CCP-BAR01U50V C42
R73 RCP-AJ10
-15V-2
SLOPE
P14
R75 RCP-AJ1K
RCP-AJ3R9K R76
CCP-BAR01U50V C45
RCP-AJ10 R79
R77 RCP-AJ3R9K
R78 RCP-AJ1R8K
RCP-AJ330 R80
RCP-AJ330 R81
CCP-BAR01U50V C47
R82 RCP-AJ10
-15V-2
R100 RCP-AJ220
L20 LCL-C01203-1
Q9 STN-2SC3357
CCP-BAR01U50V C48
D11 SDS-1SV196S
R84 RCP-AJ1K
CCP-BAR01U50V C49
R83 REE-AT422547
RCP-AJ10 R88
CCP-BAR01U50V C51
R86 RCP-AJ1R8K
R87 RCP-AJ1K
RCP-AJ220 R89
RCP-AJ220 R90
CCP-BAR01U50V C52
RP1 RCP-AJ10
-15V-2
R92 RCP-AJ220
L21 LCL-C01203-1
Q10 STN-2SC3357
CCP-BAR01U50V C53
D12 SDS-1SV196S
CCP-BAR01U50V C54
RP3 RCP-AJ1K
RP4 RCP-AJ1K
C50 CCP-BAR01U50V
RCP-AJ22 R95
BANDCAIN
P13
C60 CCK-CH6R8U25V
RCP-AJ15 R98
OUT
P12
R97 RCP-AJ330
R99 RCP-AJ330
RCP-AJ1K R85

P_C-217027CC

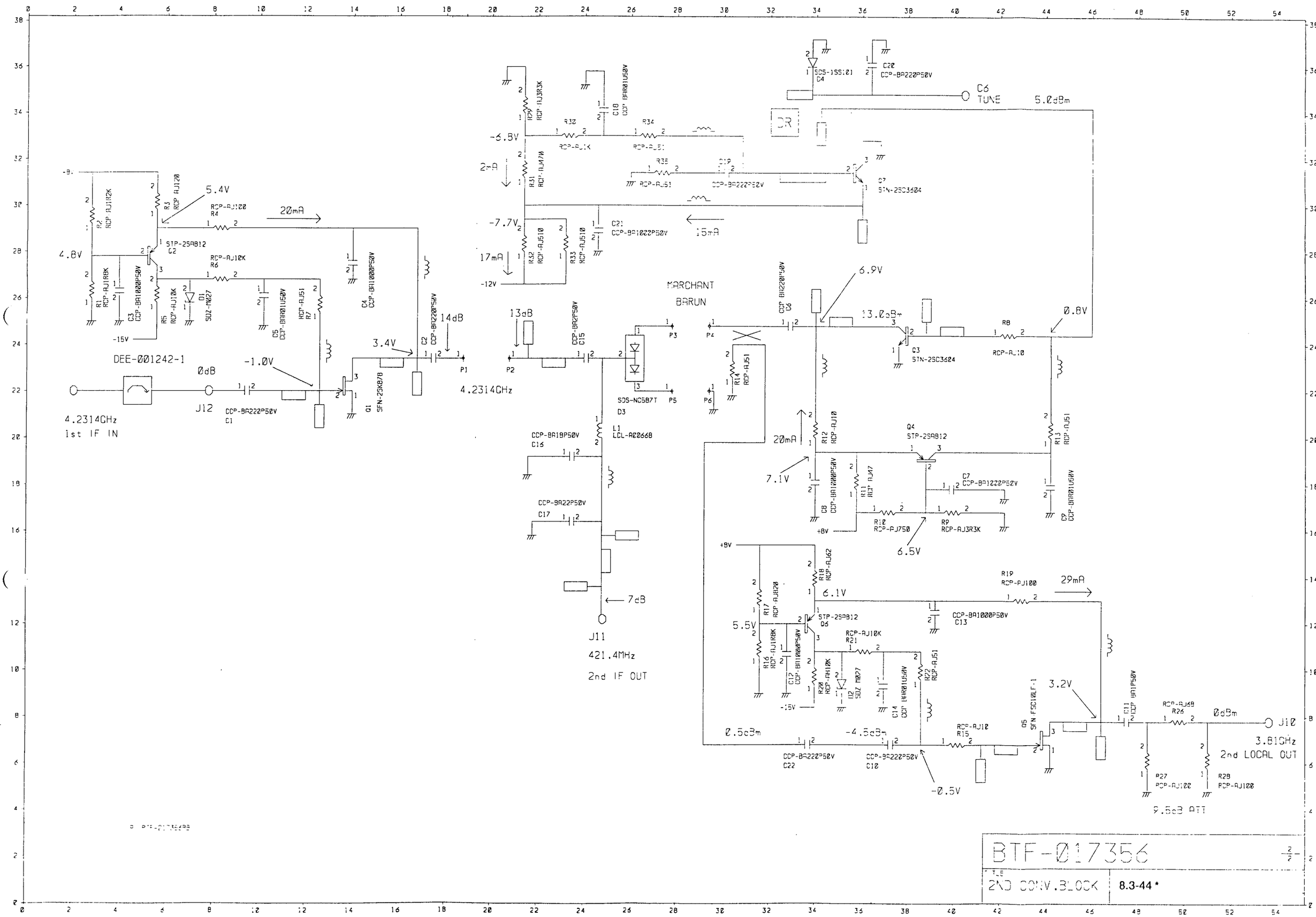
BLC-017027X01 5/5
TITLE 3RD-CONV
8.3-42

■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE
DISPLAYED BY SMALL LETTER)

BTF-017356	1
TITLE: 2ND CONV.BLOCK	8.3-43



BTF-017356

2ND CONV.BLOCK

8.3-44 *

R3265/3271
IF BLOCK
WBL-32XXIF

Parts No.	Advantest Stock No.	Description	Note
	BLS-017025	IF FILTER BOARD	
CB1	DCB-FF4320X18-1	CABLE COAXIAL	
CB2	DCB-FF4320X12-1	CABLE COAXIAL	

R3265/3271
IF BLOCK
BLS-017025(1 of 17)

Parts No.	Advantest Stock No.	Description					Note
C3 -4	CTM-BQ50P	VAR	CTM	50pF	+50%-0%	50V	
C5 -6	CTM-BM3P	VAR	CTM	3pF	+50%-0%	100V	
C7	CCP-AT20PR1K	FXD	CHIP	20pF	±10%	100V	
C8 -9	CCP-AV82PR1K	FXD	CHIP	82pF	±2%	100V	
C10 -11	CCP-AT27PR1K	FXD	CHIP	27pF	±5%	100V	
C12 -13	CCP-AV160PR1K	FXD	CHIP	160pF	±2%	100V	
C14 -17	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C18	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C19	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C20	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C21	CCP-AV160PR1K	FXD	CHIP	160pF	±2%	100V	
C22 -23	CCP-BBR1U50V	FXD	CHIP	0.1μF	±10%	50V	
C24	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C25 -26	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C27	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C28 -29	CCP-AV160PR1K	FXD	CHIP	160pF	±2%	100V	
C30 -31	CCP-AV82PR1K	FXD	CHIP	82pF	±2%	100V	
C32 -36	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C37	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C38	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C39	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C40	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C41	CTM-BM6P	VAR	CTM	6pF	+50%-0%	100V	
C42	CCP-AT43PR1K	FXD	CHIP	43pF	±5%	100V	
C43	CTM-BQ25P	VAR	CTM	25pF	+50%-0%	50V	
C44 -48	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C49	CSM-BC4P50V-2	FXD	220ppm/°C	4pF	±0.25pF	50V	
C50 -51	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C52	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C53	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C54	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C55	CTM-BM6P	VAR	CTM	6pF	+50%-0%	100V	
C56	CCP-AT43PR1K	FXD	CHIP	43pF	±5%	100V	
C57	CTM-BQ25P	VAR	CTM	25pF	+50%-0%	50V	
C58 -62	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C63	CSM-BC4P50V-2	FXD	220ppm/°C	4pF	±0.25pF	50V	
C64	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C65 -66	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C67 -68	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C69	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	

R3265/3271
IF BLOCK
BLS-017025 (2 of 17)

Parts No.	Advantest Stock No.	Description					Note
C70	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C71	CTM-BM3P	VAR	CTM	3pF	+50%-0%	100V	
C72	CCP-AT5PR1K-2	FXD	CHIP	5pF	±0.25pF	100V	
C73	CTM-BM20P	VAR	CTM	20pF	+50%-0%	100V	
C74 -77	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C78 -80	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C81	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C82	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C83	CTM-BM3P	VAR	CTM	3pF	+50%-0%	100V	
C84	CCP-AT5PR1K-2	FXD	CHIP	5pF	±0.25pF	100V	
C85	CTM-BM20P	VAR	CTM	20pF	+50%-0%	100V	
C86 -89	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C90 -91	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C93 -103	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C104	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C105	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C106	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C107	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C108	CTM-BM6P	VAR	CTM	6pF	+50%-0%	100V	
C109	CCP-AT43PR1K	FXD	CHIP	43pF	±5%	100V	
C110	CTM-BQ25P	VAR	CTM	25pF	+50%-0%	50V	
C111 -115	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C116	CSM-BC4P50V-2	FXD	2200ppm/°C	4pF	±0.25pF	50V	
C117 -118	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C119	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C120	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C121	CTM-BM6P	VAR	CTM	6pF	+50%-0%	100V	
C122	CCP-AT43PR1K	FXD	CHIP	43pF	±5%	100V	
C123	CTM-BQ50P	VAR	CTM	50pF	+50%-0%	50V	
C124 -128	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C129	CSM-BC4P50V-2	FXD	220ppm/°C	4pF	±0.25pF	50V	
C130	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C131	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C132	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C133	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C134	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C135	CTM-M3P	VAR	CTM	3pF	+50%-0%	100V	
C136	CCP-AT5PR1K-2	FXD	CHIP	5pF	±0.25pF	100V	
C137	CTM-BM20P	VAR	CTM	20pF	+50%-0%	100V	
C138 -141	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	

Parts No.	Advantest Stock No.	Description					Note
C142 -144	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C145	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C146	CCP-BA8P50V	FXD	CHIP	8pF	±0.5pF	50V	
C147	CTM-BM3P	VAR	CTM	3pF	+50%-0%	100V	
C148	CCP-AT5PR1K-2	FXD	CHIP	5pF	±0.25pF	100V	
C149	CTM-BM20P	VAR	CTM	20pF	+50%-0%	100V	
C150 -153	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C154 -155	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C156 -157	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C158 -166	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C167 -169	CCK-BY33U25V	FXD	ELECT	33μF	±20%	25V	
C170	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C171 -173	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C174	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C175	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C176	CCP-AV120PR1K	FXD	CHIP	120pF	±2%	100V	
C177	CCP-AT24PR1K	FXD	CHIP	24pF	±5%	100V	
C178 -179	CCP-AV51PR1K	FXD	CHIP	51pF	±2%	100V	
C180 -181	CTM-BM20P	VAR	CTM	10pF	+50%-0%	100V	
C182 -183	CTM-BM3P	VAR	CTM	3pF	+50%-0%	100V	
C184 -186	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C187 -193	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C194	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C195	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C196	CCP-AT33PR1K	FXD	CHIP	33pF	±5%	100V	
C197	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C198 -199	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C200	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C201	CCP-AT33PR1K	FXD	CHIP	33pF	±5%	100V	
C202	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C203 -204	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C205	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C206	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C207	CCP-AT7PR1K	FXD	CHIP	7pF	±0.25pF	100V	
C208 -209	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C210	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C211	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C212	CCP-AT33PR1K	FXD	CHIP	33pF	±5%	100V	
C213	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C214 -215	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	

R3265/3271
IF BLOCK
BLS-017025 (4 of 17)

Parts No.	Advantest Stock No.	Description					Note
C216	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C217	CCP-AT33PR1K	FXD	CHIP	33pF	±5%	100V	
C218	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C219	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C220	CCP-AW330PR1K	FXD	CHIP	330pF	±1%	100V	
C221	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C222	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C223	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C224 -225	CCP-AT27PR1K	FXD	CHIP	27pF	±5%	100V	
C226 -227	CCP-AW330PR1K	FXD	CHIP	330pF	±1%	100V	
C228 -231	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C232	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C233 -264	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C265	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C266 -268	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C269	CFM-ASR01U50V	FXD	FILM	0.01μF	±10%	50V	
C270	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C271	CCP-AV160PR1K	FXD	CHIP	160pF	±2%	100V	
C272	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C273	CTM-BM20P	VAR	CTM	20pF	+50%-0%	100V	
C274	CCP-AT3PR1K	FXD	CHIP	3pF	±0.25pF	100V	
C275	CTM-BM10P	VAR	CTM	10pF	+50%-0%	100V	
C276	CTM-BM20P	VAR	CTM	20pF	+50%-0%	100V	
C277	CCP-AV68PR1K	FXD	CHIP	68pF	±2%	100V	
C278	CTM-BM20P	VAR	CTM	20pF	+50%-0%	100V	
C280	CCP-AT3PR1K	FXD	CHIP	3pF	±0.25pF	100V	
C281	CTM-BM10P	VAR	CTM	10pF	+50%-0%	100V	
C282	CCP-AV160PR1K	FXD	CHIP	160pF	±2%	100V	
C283	CFM-ANR47U50V	FXD	FILM	0.47μF	±5%	50V	
C285 -287	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C288 -289	CCP-AW470PR1K	FXD	CHIP	470pF	±1%	100V	
C293	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C294 -295	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C296	CFM-ASR01U50V	FXD	CHIP				
C297 -300	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%-20%	50V	
C301 -304	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C305	CCP-BA10P50V	FXD	CHIP	10pF	±0.5pF	50V	
C306	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C307	CCP-AT10PR1K	FXD	CHIP	10pF	±0.5pF	100V	
C308	CCP-AT20PR1K	FXD	CHIP	20pF	±10%	100V	

Parts No.	Advantest Stock No.	Description	Note
C309 -310	CCP-BBR1U50V	FXD CHIP 0.1μF +80%-20% 50V	
C311 -314	CSM-BC43P50V-2	FXD 220ppm/°C 43pF ±5% 50V	
C315	CTM-BM20P	VAR CTM 20pF +50%-0% 100V	
C316	CTM-BM3P	VAR CTM 3pF +50%-0% 100V	
C317	CCP-BBR1U50V	FXD CHIP 0.1μF +80%-20% 50V	
C338 -340	CCP-BBR1U50V	FXD CHIP 0.1μF +80%-20% 50V	
C341 -342	CCP-BAR01U50V	FXD CHIP 0.01μF ±10% 50V	
C400	CTM-BM20P	VAR CTM 20pF +50%-0% 100V	
C426 -428	CCP-BAR01U50V	FXD CHIP 0.01μF ±10% 50V	
C429	CCP-BBR1U50V	FXD CHIP 0.1μF +80%-20% 50V	
C431	CCP-BA2200P50V	FXD CHIP 2200PF ±20% 50V	
C441 -448	CSM-BC43P50V	FXD 220ppm/°C 43pF ±5% 50V	
C451	CFM-AHR1U100V	FXD FILM 0.1μF ±10% 100V	
C452 -453	CFM-ASR047U50V	FXD FILM 0.047μF ±10% 50V	
C454	CFM-AHR1U100V	FXD FILM 0.1μF ±10% 100V	
C501	CSM-AZ2P50V	FXD CHIP 2pF ±0.25pF 50V	
CB1 -2	DNF-000986	FERRITE BEAD INDUCTOR	
D1 -19	SDS-MA78	DIODE SI	
D20 -23	SDS-1SV196S	PIN DIODE	
D24 -27	SDS-1SV34	PIN DIODE	
D28 -32	SDS-1SV196S	PIN DIODE	
D33 -34	SDZ-MO51	ZENER DIODE	
D35	SDS-1SS270	DIODE SI	
D36 -37	SDS-MA78	DIODE SI	
D38 -40	SDS-1S2222	DIODE SI	
D41	SDS-1SV50	VARACTOR	
D42 -46	SDS-1S2222	DIODE SI	
D47 -48	SDS-1SV196S	PIN DIODE	
D51 -52	SDS-1S2222	DIODE SI	
D53	SDS-1SV50	VARACTOR	
D61 -62	SDS-1S2222-2	DIODE SI	
D63 -66	SDS-1SS270	DIODE SI	
J1 -2	JCF-BF001JX02-1	CONNECTOR COAXIAL	
J3 -6	JCF-BF001JX01-1	CONNECTOR COAXIAL	
J7	JCR-CA64PX01-1	CONNECTOR 64PIN	
J8	JCR-CA50PX01-1	CONNECTOR 50PIN	
J10	JCS-DN002PX02-1	CONNECTOR 2PIN	
J11 -12	JCF-BF001JX01-1	CONNECTOR COAXIAL	
L1 -2	LCL-C01184-1	COIL (CUSTOM DEVICE)	
L3	LCL-C01229	COIL (CUSTOM DEVICE)	

R3265/3271
IF BLOCK
BLS-017025 (6 of 17)

Parts No.	Advantest Stock No.	Description				Note
L4 -5	LCL-C01184-1	COIL			(CUSTOM DEVICE)	
L6	LCL-C00672A	COIL			(CUSTOM DEVICE)	
L7 -8	LCL-C01184-1	COIL			(CUSTOM DEVICE)	
L9	LCL-C00672A-1	COIL			(CUSTOM DEVICE)	
L10	LCL-E00980	COIL	CHIP	220μH	±10%	
L11	LCL-C01182-1	COIL			(CUSTOM DEVICE)	
L12	LCL-E00980	COIL	CHIP	220μH	±10%	
L13	LCL-B00364	COIL		2.2μH	±10%	
L14 -16	LCL-E00980	COIL	CHIP	220μH	±10%	
L17	LCL-C00010	COIL		180μH	±10%	
L18	LCL-C01183-1	COIL			(CUSTOM DEVICE)	
L19 -20	LCL-E00980	COIL	CHIP	220μH	±10%	
L21	LCL-C00010	COIL		180μH	±10%	
L22	LCL-C01183-1	COIL			(CUSTOM DEVICE)	
L23 -24	LCL-E00980	COIL	CHIP	220μH	±10%	
L25	LCL-C00010	COIL		180μH	±10%	
L26	LCL-C00672A-1	COIL			(CUSTOM DEVICE)	
L27 -28	LCL-E00980	COIL	CHIP	220μH	±10%	
L29	LCL-C00010	COIL		180μH	±10%	
L30	LCL-C00672A-1	COIL			(CUSTOM DEVICE)	
L31 -34	LCL-E00980	COIL	CHIP	220μH	±10%	
L35	LCL-C00010	COIL		180μH	±10%	
L36	LCL-C01183-1	COIL			(CUSTOM DEVICE)	
L37 -38	LCL-E00980	COIL	CHIP	220μH	±10%	
L39	LCL-C00010	COIL		180μH	±10%	
L40	LCL-C01183-1	COIL			(CUSTOM DEVICE)	
L41 -42	LCL-E00980	COIL	CHIP	220μH	±10%	
L43	LCL-C00010	COIL		180μH	±10%	
L44	LCL-C00672A-1	COIL			(CUSTOM DEVICE)	
L45 -46	LCL-E00980	COIL	CHIP	220μH	±10%	
L47	LCL-C00010	COIL		180μH	±10%	
L48	LCL-C00672A-1	COIL			(CUSTOM DEVICE)	
L49 -52	LCL-E00980	COIL	CHIP	220μH	±10%	
L53	LCL-C01182-1	COIL			(CUSTOM DEVICE)	
L54	LCL-C01184-1	COIL			(CUSTOM DEVICE)	
L55	LCL-C01229	COIL			(CUSTOM DEVICE)	
L56	LCL-C01184-1	COIL			(CUSTOM DEVICE)	
L57 -60	LCL-E00980	COIL	CHIP	220μH	±10%	
L61	LCL-B00370-1	COIL		22μH	±10%	
L62	LCL-C01185-1	COIL			(CUSTOM DEVICE)	

R3265/3271
IF BLOCK
BLS-017025 (7 of 17)

Parts No.	Advantest Stock No.	Description				Note
L63	LCL-B00370-1	COIL		22μH	±10%	
L64	LCL-C01185-1	COIL			(CUSTOM DEVICE)	
L65	LCL-B00386-1	COIL		3.9μH	±10%	
L66	LCL-E00980	COIL	CHIP	220μH	±10%	
L67	LCL-B00370-1	COIL		22μH	±10%	
L68	LCL-C01185-1	COIL			(CUSTOM DEVICE)	
L69	LCL-B00370-1	COIL		22μH	±10%	
L70	LCL-C01185-1	COIL			(CUSTOM DEVICE)	
L71	LCL-C00010	COIL		180μH	±10%	
L72 -73	LCL-T00084A	COIL			(CUSTOM DEVICE)	
L74 -77	LCL-E00980	COIL	CHIP	220μH	±10%	
L78	LCL-C01175-1	COIL			(CUSTOM DEVICE)	
L79 -80	LCL-B01002	COIL		4.7μH	±10%	
L81 -82	LCL-C01184-1	COIL			(CUSTOM DEVICE)	
L83	LCL-E01176	COIL			(CUSTOM DEVICE)	
L84	LCL-B00371	COIL		33μH	±10%	
L85	LCL-E00980	COIL	CHIP	220μH	±10%	
L101	LCL-B00364	COIL		2.2μH	±10%	
M1 -3	DEE-001911	MIXER			(CUSTOM DEVICE)	
Q1 -2	STN-2SC3357	TRANSISTOR	NPN			
Q3 -18	STN-2SC1623	TRANSISTOR	NPN			
Q19	STN-2SC3357	TRANSISTOR	NPN			
Q20 -21	STP-2SA1226	TRANSISTOR	PNP			
Q22 -26	STT-XN6113	TRANSISTOR	DUAL			
Q28	STP-2SA1226	TRANSISTOR	PNP			
Q29 -32	STN-2SC1623	TRANSISTOR	NPN			
Q35	STP-2SA1226	TRANSISTOR	PNP			
R1	RMF-BJ22QFK	FXD	22Ω	±1%	1/4W	
R2	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R3	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	
R4	RMF-BJ180QFK	FXD	180Ω	±1%	1/4W	
R5 -6	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R7	RMF-BJ22QFK	FXD	22Ω	±1%	1/4W	
R8	RMF-BJ10KFK	FXD	10kΩ	±1%	1/4W	
R9	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R11	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	
R12	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R13	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R14	RMF-BJ100QFK	FXD	1kΩ	±1%	1/4W	
R17	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	

Parts No.	Advantest Stock No.	Description					Note
R18	RMF-BJ33QFK	FXD		33Ω	±1%	1/4W	
R19	RVR-DF100	VAR		1kΩ	±20%	1/2W	
R20 -21	RMF-BJ470QFK	FXD		470Ω	±1%	1/4W	
R22	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R23	RMF-BJ15QFK	FXD		15Ω	±1%	1/4W	
R24	RCB-AG120	FXD		120Ω	±5%	1/8W	
R25	RMF-BJ22KFK	FXD		22kΩ	±1%	1/4W	
R26	RMF-BJ4R7KFK	FXD		4.7kΩ	±1%	1/4W	
R27	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R28	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R29	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R30	RMF-BJ15KFK	FXD		15kΩ	±1%	1/4W	
R31	RCP-AN51K	FXD	CHIP	51kΩ	±0.5%	1/16W	
R32	RMF-AC4R38KFJ	FXD		4.38kΩ	±1%	1/4W	
R33	RMF-AC1R1KFJ	FXD		1.1kΩ	±1%	1/4W	
R34	RMF-BJ750QFK	FXD		750Ω	±1%	1/4W	
R35	RMF-BJ330QFK	FXD		330Ω	±1%	1/4W	
R36 -40	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R41	RMF-BJ15QFK	FXD		15Ω	±1%	1/4W	
R42	RMF-BJ82QFK	FXD		82Ω	±1%	1/4W	
R43	RVR-DF100	VAR		100Ω	±20%	1/2W	
R44	RMF-BJ22KFK	FXD		22kΩ	±1%	1/4W	
R45	RMF-BJ4R7KFK	FXD		4.7kΩ	±1%	1/4W	
R46	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R47	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R48	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R49	RMF-BJ15KFK	FXD		15kΩ	±1%	1/4W	
R50	RCP-AN51K	FXD	CHIP	51kΩ	±0.5%	1/16W	
R51	RMF-AC4R38KFJ	FXD		4.38kΩ	±1%	1/4W	
R52	RMF-AC1R1KFJ	FXD		1.1kΩ	±1%	1/4W	
R53	RMF-BJ750QFK	FXD		750Ω	±1%	1/4W	
R54	RMF-BJ330QFK	FXD		330Ω	±1%	1/4W	
R55 -59	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R60	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R62	RMF-BJ180QFK	FXD		180Ω	±1%	1/4W	
R63	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R64	RMF-BJ10QFK	FXD		10Ω	±1%	1/4W	
R65	RMF-BJ180QFK	FXD		180Ω	±1%	1/4W	
R66	RMF-BJ15QFK	FXD		15Ω	±1%	1/4W	
R67	RMF-BJ3R9KFK	FXD		3.9kΩ	±1%	1/4W	

Parts No.	Advantest Stock No.	Description				Note
R68	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R69	RMF-BJ15QFK	FXD	15Ω	±1%	1/4W	
R70	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R71	RMF-BJ22KFK	FXD	22kΩ	±1%	1/4W	
R72	RMF-BJ4R7KFK	FXD	4.7kΩ	±1%	1/4W	
R73	RMF-BJ560QFK	FXD	560Ω	±1%	1/4W	
R74	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R75	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R76	RMF-BJ18KFK	FXD	18kΩ	±1%	1/4W	
R77	RMF-BJ3R3KFK	FXD	3.3kΩ	±1%	1/4W	
R78	RMF-BJ1R2KFK	FXD	1.2kΩ	±1%	1/4W	
R79	RMF-AC910QFJ	FXD	910Ω	±1%	1/4W	
R80	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	
R81	RMF-BJ82QFK	FXD	82Ω	±1%	1/4W	
R82 -86	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R87	RMF-BJ15QFK	FXD	15Ω	±1%	1/4W	
R88	RVR-DF200	VAR	200Ω	±20%	1/2W	
R89	RMF-BJ22KFK	FXD	22kΩ	±1%	1/4W	
R90	RMF-BJ4R7KFK	FXD	4.7kΩ	±1%	1/4W	
R91	RMF-BJ560QFK	FXD	560Ω	±1%	1/4W	
R92	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R93	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R94	RMF-BJ18KFK	FXD	18kΩ	±1%	1/4W	
R95	RMF-BJ3R3KFK	FXD	3.3kΩ	±1%	1/4W	
R96	RMF-BJ1R2KFK	FXD	1.2kΩ	±1%	1/4W	
R97	RMF-AC910QFJ	FXD	910Ω	±1%	1/4W	
R98	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	
R99	RMF-BJ82QFK	FXD	82Ω	±1%	1/4W	
R100 -104	RMF-BJ2KFK	FXD	2.2kΩ	±1%	1/4W	
R105	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R106	RVR-DF500	VAR	500Ω	±20%	1/2W	
R107	RMF-BJ560QFK	FXD	560Ω	±1%	1/4W	
R108	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R109 -110	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R111	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	
R112	RMF-BJ33QFK	FXD	33Ω	±1%	1/4W	
R113	RMF-BJ3R9KFK	FXD	3.9kΩ	±1%	1/4W	
R114	RVR-DF20	VAR	20Ω	±20%	1/2W	
R115	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R116	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	

Parts No.	Advantest Stock No.	Description					Note
R117	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R118	RMF-BJ33QFK	FXD		33Ω	±1%	1/4W	
R119	RMF-BJ3R9KFK	FXD		3.9kΩ	±1%	1/4W	
R120	RVR-DF20	VAR		20Ω	±20%	1/2W	
R121	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R122	RVR-DF100	VAR		100Ω	±20%	1/2W	
R123	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R124	RMF-BJ470QFK	FXD		470Ω	±1%	1/4W	
R125	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R126	RMF-BJ33QFK	FXD		33Ω	±1%	1/4W	
R127	RMF-BJ3R9KFK	FXD		3.9kΩ	±1%	1/4W	
R128	RVR-DF20	VAR		20Ω	±20%	1/2W	
R129	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R130	RMF-BJ470QFK	FXD		470Ω	±1%	1/4W	
R131	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R132	RMF-BJ33QFK	FXD		33Ω	±1%	1/4W	
R133	RMF-BJ3R9KFK	FXD		3.9kΩ	±1%	1/4W	
R134	RVR-DF20	VAR		20Ω	±20%	1/2W	
R135	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R136	RMF-BJ470QFK	FXD		470Ω	±1%	1/4W	
R137	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R138	RMF-BJ15QFK	FXD		15Ω	±1%	1/4W	
R139	RCB-AG120	FXD		120Ω	±5%	1/6W	
R140	RMF-BJ22KFK	FXD		22kΩ	±1%	1/4W	
R141	RMF-BJ4R7KFK	FXD		4.7kΩ	±1%	1/4W	
R142	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R143	RMF-BJ220QFK	FXD		220Ω	±1%	1/4W	
R144	RVR-DF5K	VAR		5kΩ	±20%	1/2W	
R145	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R146	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R147	RMF-BJ15KFK	FXD		15kΩ	±1%	1/4W	
R148	RCP-AN51K	FXD	CHIP	51kΩ	±0.5%	1/16W	
R149	RMF-AV4R38KFJ	FXD		4.38kΩ	±1%	1/4W	
R150	RMF-AC1R1KFJ	FXD		1.1kΩ	±1%	1/4W	
R151	RMF-BJ680KFJ	FXD		680Ω	±1%	1/4W	
R152	RMF-AC301QFJ	FXD		301Ω	±1%	1/4W	
R153 -157	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R158	RMF-BJ15QFK	FXD		15Ω	±1%	1/4W	
R159	RMF-BJ82QFK	FXD		82Ω	±1%	1/4W	
R160	RVR-DF100	VAR		100Ω	±20%	1/2W	

Parts No.	Advantest Stock No.	Description					Note
R161	RMF-BJ22KFK	FXD		22kΩ	±1%	1/4W	
R162	RMF-BJ4R7KFK	FXD		4.7kΩ	±1%	1/4W	
R163	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R164	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R165	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R166	RMF-BJ15KFK	FXD		15kΩ	±1%	1/4W	
R167	RCP-AN51K	FXD	CHIP	51kΩ	±0.5%	1/16W	
R168	RMF-AC4R38KFJ	FXD		4.38kΩ	±1%	1/4W	
R169	RMF-AC1R1KFJ	FXD		1.1kΩ	±1%	1/4W	
R170	RMF-BJ680QFK	FXD		680Ω	±1%	1/4W	
R171	RMF-AC301QFJ	FXD		301Ω	±1%	1/4W	
R172 -176	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R177	RMF-BJ220QFK	FXD		220Ω	±1%	1/4W	
R178	RVR-DF500	VAR		500Ω	±20%	1/2W	
R179	RMF-BJ180QFK	FXD		180Ω	±1%	1/4W	
R180	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R181	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R182	RMF-BJ15QFK	FXD		15Ω	±1%	1/4W	
R183	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R184	RMF-BJ22KFK	FXD		22kΩ	±1%	1/4W	
R185	RMF-BJ4R7KFK	FXD		4.7kΩ	±1%	1/4W	
R186	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R187	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R188	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R189	RMF-BJ18KFK	FXD		18kΩ	±1%	1/4W	
R190	RMF-BJ3R3KFK	FXD		3.3kΩ	±1%	1/4W	
R191	RMF-BJ1R2KFK	FXD		1.2kΩ	±1%	1/4W	
R192	RMF-AC910QFJ	FXD		910Ω	±1%	1/4W	
R193	RMF-BJ270QFK	FXD		270Ω	±1%	1/4W	
R194	RMF-BJ82QFK	FXD		82Ω	±1%	1/4W	
R195 -199	RMF-BJ2R2KFK	FXD		2.2kΩ	±1%	1/4W	
R200	RMF-BJ15QFK	FXD		15Ω	±1%	1/4W	
R201	RVR-DF200	VAR		200Ω	±20%	1/2W	
R202	RMF-BJ22KFK	FXD		22kΩ	±1%	1/4W	
R203	RMF-BJ4R7KFK	FXD		4.7kΩ	±1%	1/4W	
R204	RMF-BJ560QFK	FXD		560Ω	±1%	1/4W	
R205	RMF-BJ1KFK	FXD		1kΩ	±1%	1/4W	
R206	RMF-BJ100QFK	FXD		100Ω	±1%	1/4W	
R207	RMF-BJ18KFK	FXD		18kΩ	±1%	1/4W	
R208	RMF-BJ3R3KFK	FXD		3.3kΩ	±1%	1/4W	

Parts No.	Advantest Stock No.	Description				Note
R209	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R210	RMF-AC910QFJ	FXD	910Ω	±1%	1/4W	
R211	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	
R212	RMF-BJ82QFK	FXD	82Ω	±1%	1/4W	
R213 -217	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R218	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R219	RVR-DF500	VAR	500Ω	±20%	1/2W	
R220	RMF-BJ33QFK	FXD	33Ω	±1%	1/4W	
R221	RVR-DF200	VAR	200Ω	±20%	1/2W	
R222	RMF-BJ4R7KFK	FXD	4.7kΩ	±1%	1/4W	
R223	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R224	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R225	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R226	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R227	RMF-BJ56QFK	FXD	56Ω	±1%	1/4W	
R228	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R229 -230	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R231	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R232	RMF-BJ10QFK	FXD	10Ω	±1%	1/4W	
R233	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	
R234	RMF-BJ10KFK	FXD	10kΩ	±1%	1/4W	
R235	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R236	RMF-BJ56QFK	FXD	56Ω	±1%	1/4W	
R237	RMF-BJ22QFK	FXD	22Ω	±1%	1/4W	
R238	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R239	RMF-BJ56QFK	FXD	56Ω	±1%	1/4W	
R240	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R241 -242	RMF-BJ22QFK	FXD	22Ω	±1%	1/4W	
R243	RVR-DF200	VAR	200Ω	±20%	1/2W	
R244	RMF-BJ390QFK	FXD	390Ω	±1%	1/4W	
R245	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R246	RMF-BJ8R2KFK	FXD	8.2kΩ	±1%	1/4W	
R247	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R248	RMF-BJ22QFK	FXD	22Ω	±1%	1/4W	
R249	RMF-BJ1R8KFK	FXD	1.8kΩ	±1%	1/4W	
R250	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R251	DSP-000017	THERMISTOR	(SPECIAL PART)			
R252	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R253	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R254	RMF-BJ22QFK	FXD	22Ω	±1%	1/4W	

R3265/3271
IF BLOCK
BLS-017025 (13 of 17)

Parts No.	Advantest Stock No.	Description				Note
R255	RMF-BJ1R2KFK	FXD	1.2kΩ	±1%	1/4W	
R256	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R257	DSP-000017	THERMISTOR	(SPECIAL PART)			
R258	RVR-DF1K	VAR	1kΩ	±20%	1/2W	
R259	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R260 -261	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R262	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R263	RMF-BJ1MFK	FXD	1MΩ	±1%	1/4W	
R265	RVR-DF50	VAR	50Ω	±20%	1/2W	
R266	RMF-BJ12KFK	FXD	12kΩ	±1%	1/4W	
R267	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R268 -269	REE-AR510	FXD	3300ppm/°C 510Ω	±5%	1/4W	
R270	RMF-BJ47QFK	FXD	47Ω	±1%	1/4W	
R271	RMF-BJ820QFK	FXD	820Ω	±1%	1/4W	
R272	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R273	RVR-DF50	VAR	50Ω	±20%	1/2W	
R274	RMF-BJ1R5KFK	FXD	1.5kΩ	±1%	1/4W	
R275	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R276	DSP-000017	THERMISTOR	(SPECIAL PART)			
R277	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R278	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R279	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R280	RMF-BJ390QFK	FXD	390Ω	±1%	1/4W	
R281	RVR-DF500	VAR	500Ω	±20%	1/2W	
R282	RMF-BJ180QFK	FXD	180Ω	±1%	1/4W	
R283	DSP-000017	THERMISTOR	(SPECIAL PART)			
R284	RMF-BJ680QFK	FXD	680Ω	±1%	1/4W	
R285	RMF-BJ22QFK	FXD	22Ω	±1%	1/4W	
R286	RMF-BJ33QFK	FXD	33Ω	±1%	1/4W	
R287	RMF-BJ27KFK	FXD	27kΩ	±1%	1/4W	
R288	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R289	RMF-BJ56QFK	FXD	56Ω	±1%	1/4W	
R290	RCB-AG62	FXD	62Ω	±5%	1/6W	
R291	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R292	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	
R293	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R295	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R296 -297	RMF-BJ4R7KFK	FXD	4.7kΩ	±1%	1/4W	
R298	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R299	RMF-BJ3R3KFK	FXD	3.3kΩ	±1%	1/4W	

R3265/3271
IF BLOCK
BLS-017025 (14 of 17)

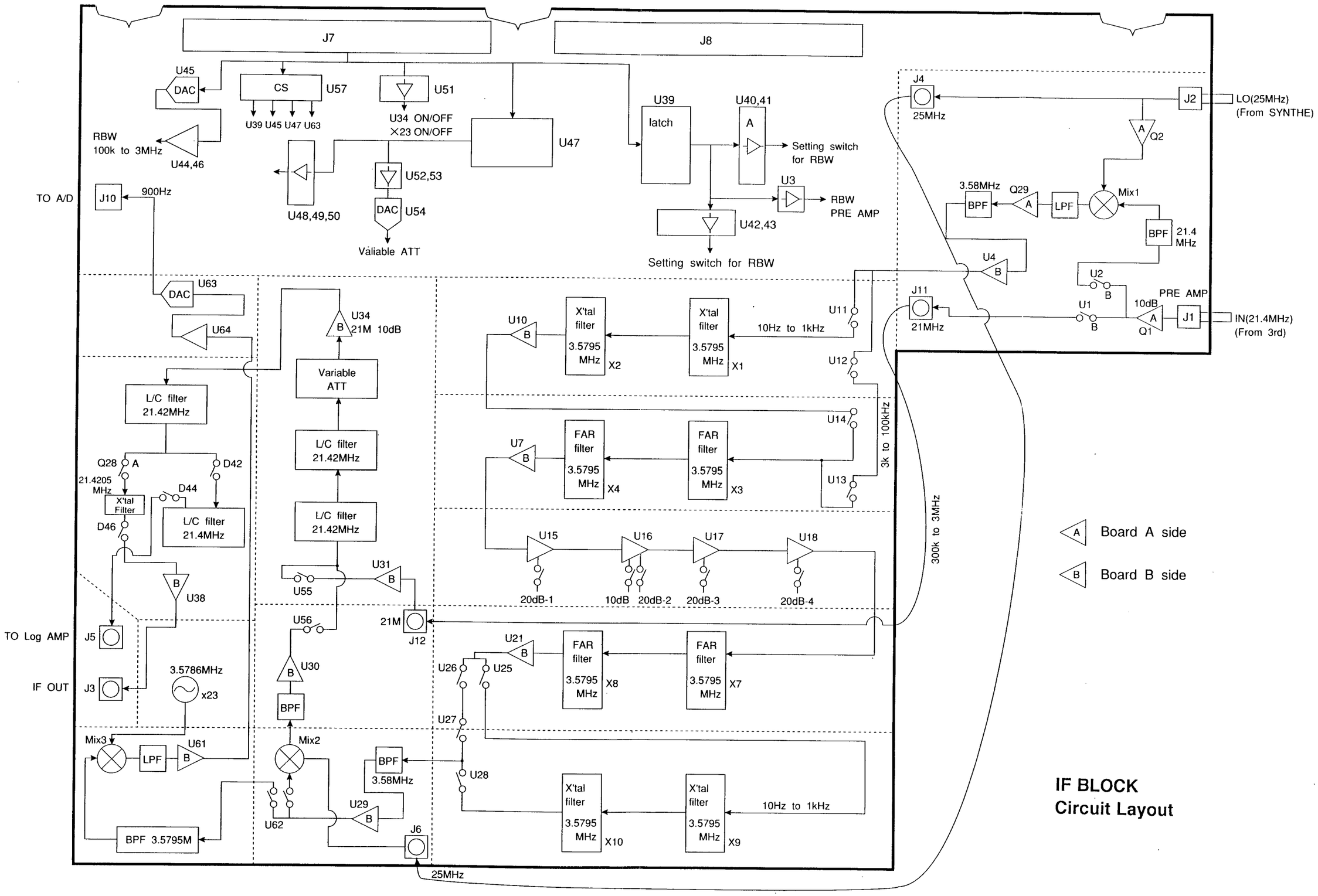
Parts No.	Advantest Stock No.	Description				Note
R300	REE-AT3R3K	FXD	3300ppm/°C 3.3kΩ	±5%	1/6W	
R301	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R302	RVR-DF500	VAR	500Ω	±20%	1/2W	
R303	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R304	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R305 -306	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	
R307	RMF-BJ560QFK	FXD	560Ω	±1%	1/4W	
R308	RMF-BJ330KFK	FXD	330kΩ	±1%	1/4W	
R309 -310	RAY-AL47K6	RESISTOR ASSEMBLY		47kΩX6	±5%	
R311 -312	RMF-BJ4R7KFK	FXD	4.7kΩ	±1%	1/4W	
R313 -314	RMF-BJ47KFK	FXD	47kΩ	±1%	1/4W	
R315	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R316 -317	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R318	RMF-BJ51QFK	FXD	51Ω	±1%	1/4W	
R319 -320	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R322	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	
R323	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R324	RMF-BJ750QFK	FXD	750Ω	±1%	1/4W	
R325	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R326	RMF-BJ8R2KFK	FXD	8.2kΩ	±1%	1/4W	
R327	RMF-BJ22KFK	FXD	22kΩ	±1%	1/4W	
R328	RMF-BJ10KFK	FXD	10kΩ	±1%	1/4W	
R329	RMF-BJ22KFK	FXD	22kΩ	±1%	1/4W	
R330	RMF-BJ560QFK	FXD	560Ω	±1%	1/4W	
R331 -332	RMF-BJ2R7KFK	FXD	2.7kΩ	±1%	1/4W	
R336	RMF-BJ470QFK	FXD	470Ω	±1%	1/4W	
R337	RMF-BJ3R9KFK	FXD	3.9kΩ	±1%	1/4W	
R338	RVR-DF20	VAR	20Ω	±20%	1/2W	
R339	RMF-BJ2R7KFK	FXD	2.7kΩ	±1%	1/4W	
R340	RMF-BJ180QFK	FXD	180Ω	±1%	1/4W	
R341	RMF-BJ15KFK	FXD	15kΩ	±1%	1/4W	
R342	RMF-BJ330QFK	FXD	330Ω	±1%	1/4W	
R343	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	
R344	RMF-BJ390QFK	FXD	390Ω	±1%	1/4W	
R345	RMF-BJ3R9KFK	FXD	3.9kΩ	±1%	1/4W	
R346 -347	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R348	RMF-BJ680QFK	FXD	680Ω	±1%	1/4W	
R349	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R350	RMF-BJ56QFK	FXD	56Ω	±1%	1/4W	
R351	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	

Parts No.	Advantest Stock No.	Description				Note
R352	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	
R354	RMF-BJ270QFK	FXD	270Ω	±1%	1/4W	
R356	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R358 -359	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R361	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R401 -402	RMF-BJ15QFK	FXD	15Ω	±1%	1/4W	
R403	RMF-BJ5R6KFK	FXD	5.6kΩ	±1%	1/4W	
R404	RMF-BJ3R9KFK	FXD	3.9kΩ	±1%	1/4W	
R405	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R406	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R407	RMF-BJ10KFK	FXD	10kΩ	±1%	1/4W	
R408	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R409	RVR-DF1K	VAR	1kΩ	±20%	1/2W	
R410	RMF-BJ3R3KFK	FXD	3.3kΩ	±1%	1/4W	
R421	RMF-BJ220QFK	FXD	220Ω	±1%	1/4W	
R426	RMF-BJ56QFK	FXD	56Ω	±1%	1/4W	
R427	DSP-000017	THERMISTOR	(SPECIAL PART)			
R431	RMF-BJ39QFK	FXD	39Ω	±1%	1/4W	
R441	RMF-BJ100QFK	FXD	100Ω	±1%	1/4W	
R451	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R452	RMF-BJ3R9KFK	FXD	3.9kΩ	±1%	1/4W	
R453	RCP-AN680	FXD CHIP	680Ω	±1%	1/10W	
R454	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
R455	RMF-BJ2R2KFK	FXD	2.2kΩ	±1%	1/4W	
R461	RMF-BJ51QFK	FXD	51Ω	±1%	1/4W	
R462	RMF-BJ1KFK	FXD	1kΩ	±1%	1/4W	
TP1 -2	JTE-AH001JX01	CHECK PIN				
TP4 -19	JTE-AH001JX01	CHECK PIN				
TP31 -34	JTE-AH001JX01	CHECK PIN				
TP41 -42	JTE-AH001JX01	CHECK PIN				
U1	SHB-001543	DIODE SWITCH				
U2	SHB-001544	DIODE SWITCH				
U3	SIA-TL072S	OP AMP	DUAL	LOW NOISE		
U4 -5	SHB-001655	VIDEO AMP				
U6 -7	SHB-001658	VIDEO AMP				
U8	SHB-001655	VIDEO AMP				
U9 -10	SHB-001658	VIDEO AMP				
U11	SHB-001544	DIODE SWITCH				
U12 -13	SHB-001543	DIODE SWITCH				
U14	SHB-001544	DIODE SWITCH				

R3265/3271
IF BLOCK
BLS-017025 (16 of 17)

Parts No.	Advantest Stock No.	Description	Note
U15 -19	SHB-001655	VIDEO AMP	
U20 -21	SHB-001658	VIDEO AMP	
U22	SHB-001655	VIDEO AMP	
U23 -24	SHB-001658	VIDEO AMP	
U25	SHB-001544	DIODE SWITCH	
U26 -27	SHB-001543	DIODE SWITCH	
U28	SHB-001544	DIODE SWITCH	
U29	SHB-001655	VIDEO AMP	
U30 -31	SHB-003001	VIDEO AMP	
U32 -33	SHB-003002	BUFFER AMP	
U34	SHB-003001	VIDEO AMP	
U35	SHB-003002	BUFFER AMP	
U36	SHB-003066-1	BUFFER AMP	
U38	SHB-003001	VIDEO AMP	
U39	SIM-CXD1095	I/O EXPANDER	
U40 -41	SIT-7407S	HEX BUFFER (OPEN COLLECTOR HIGH VOLTAGE)	
U42 -44	SIA-TL072S	OP AMP DUAL LOW NOISE	
U45	SIA-DA7528	DUAL 8-BIT BUFFERED MULTIPLYING D/A CONVERTER	
U46	SIA-TL072S	OP AMP DUAL LOW NOISE	
U47	SIM-CXD1095	I/O EXPANDER	
U48 -50	SIA-TL072S	OP AMP DUAL LOW NOISE	
U51	SIT-DN8650	Low-Activ Drivers	
U52	SIT-74LS374	OCTAL D-FLIP FLOPS	
U53	SIT-74LS175	QUAD D-FLIP FLOPS	
U54	SIA-6012	12 BIT D/A CONVERTER	
U55	SHB-001543	DIODE SWITCH	
U56	SHB-001544	DIODE SWITCH	
U57	SIM-74HC138	3-LINE TO 8-LINE DECODER	
U58	SHB-001544	DIODE SWITCH	
U61	SIA-5532A	OP AMP DUAL LOW NOISE	
U62	SHB-001543	DIODE SWITCH	
U63	SIA-DA7542	8-BIT D/A CONVERTER	
U64	SIA-TL072S	OP AMP DUAL LOW NOISE	
X1 -2	DXD-001934-1	RESONATOR	
X3 -4	DXD-001931-1	RESONATOR	
X5 -6	DXD-002158-1	CRYSTAL	
X7 -8	DXD-001931-1	RESONATOR	
X9 -10	DXD-002158-1	CRYSTAL	
X11 -12	DXE-001897	RESONATOR	
X18	DXD-002102-1	CRYSTAL	

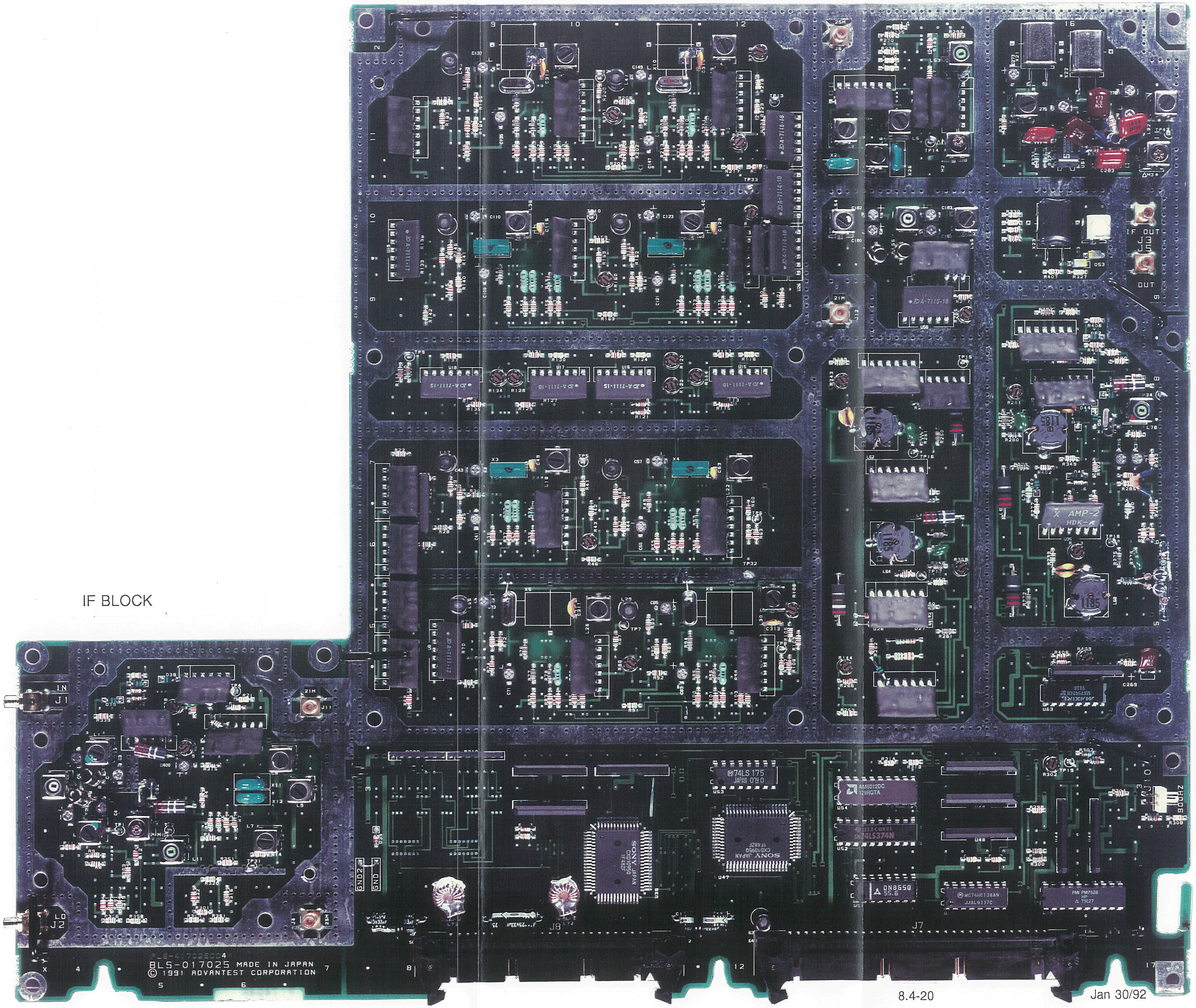
Parts No.	Advantest Stock No.	Description	Note
X21 -22	DXD-001059	CRYSTAL	
X23	DXD-001863-1	CRYSTAL	
X25 -26	DXE-001897	RESONATOR	
X31 -32	DXD-001934-1	RESONATOR	



A Board A side

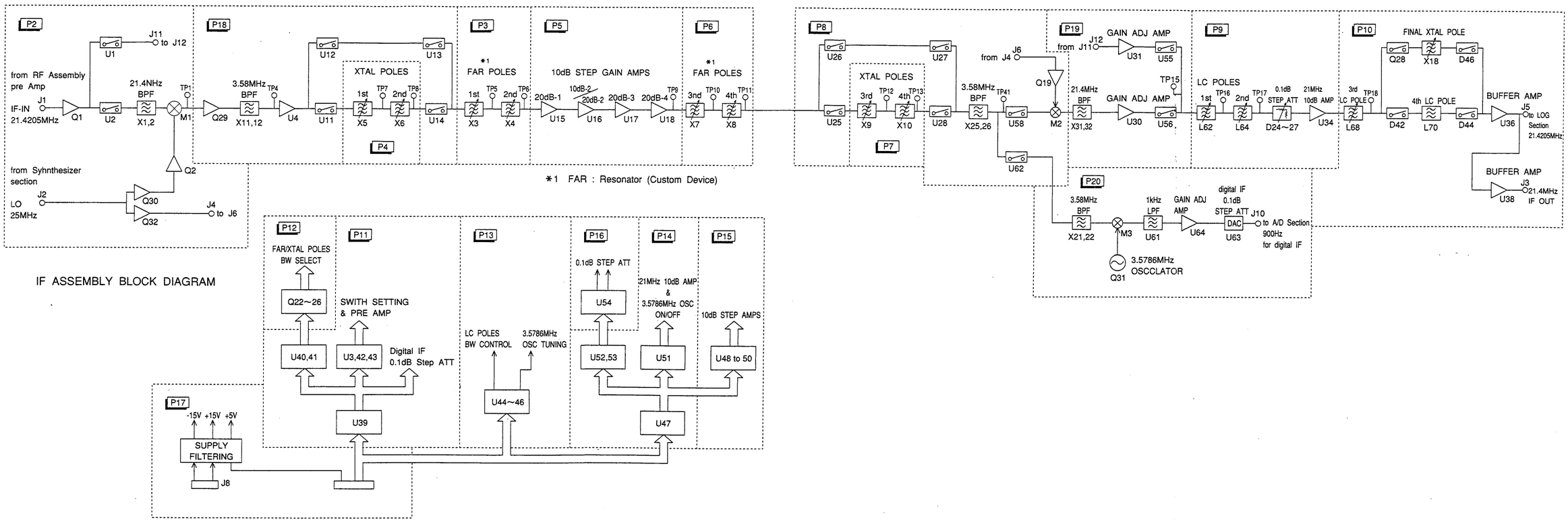
B Board B side

IF BLOCK
Circuit Layout


BLS-017025 MADE IN JAPAN
© 1991 ADVANTEST CORPORATION
IF OUT
OUT
IN
J1
LO
J2
J7
J8
GND

IF BLOCK

IF BLOCK



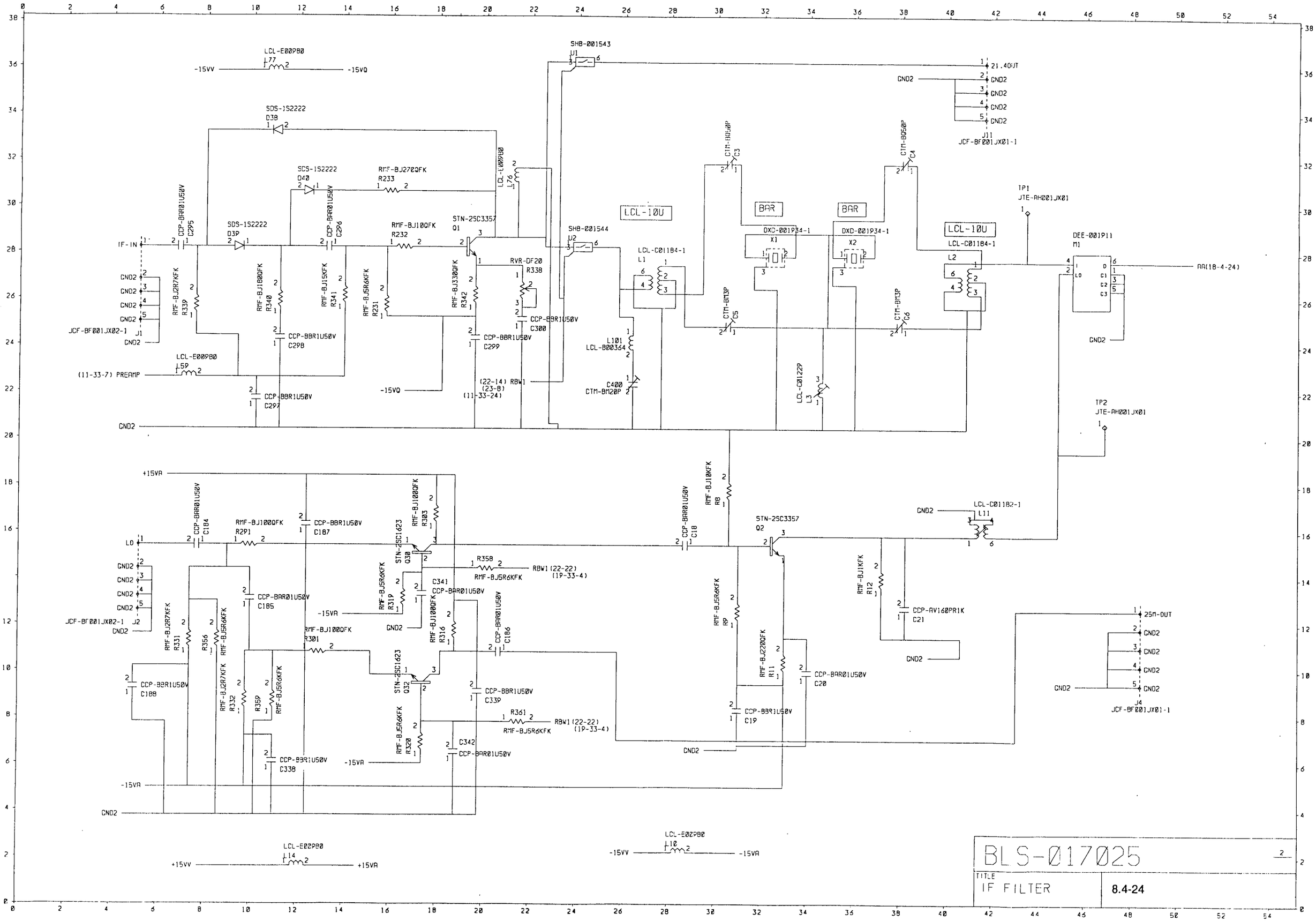
IF ASSEMBLY BLOCK DIAGRAM

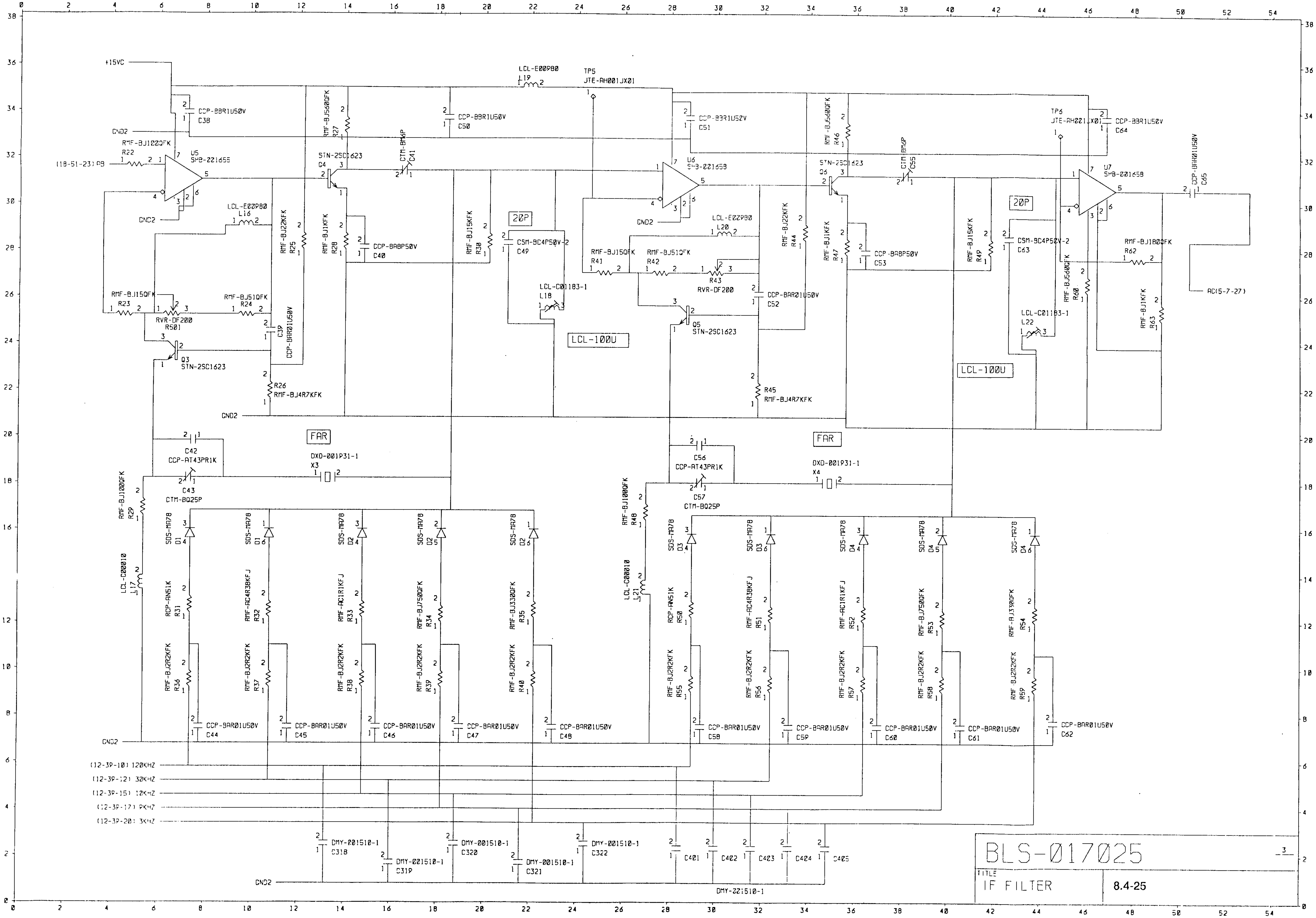
■ DIAGRAMS ILLUSTRATION

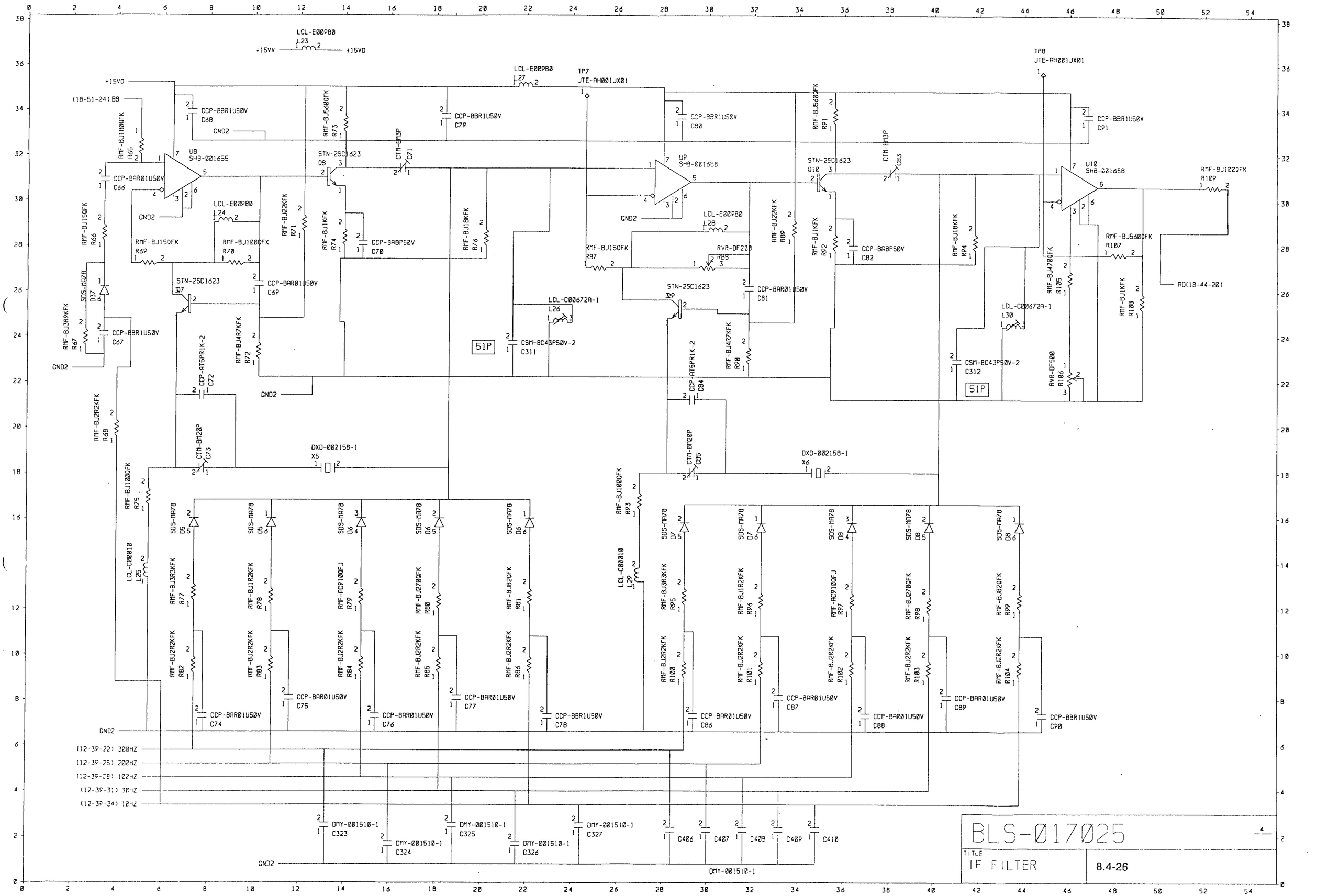
SYMBOLS REFERENCE DESIGNATORS

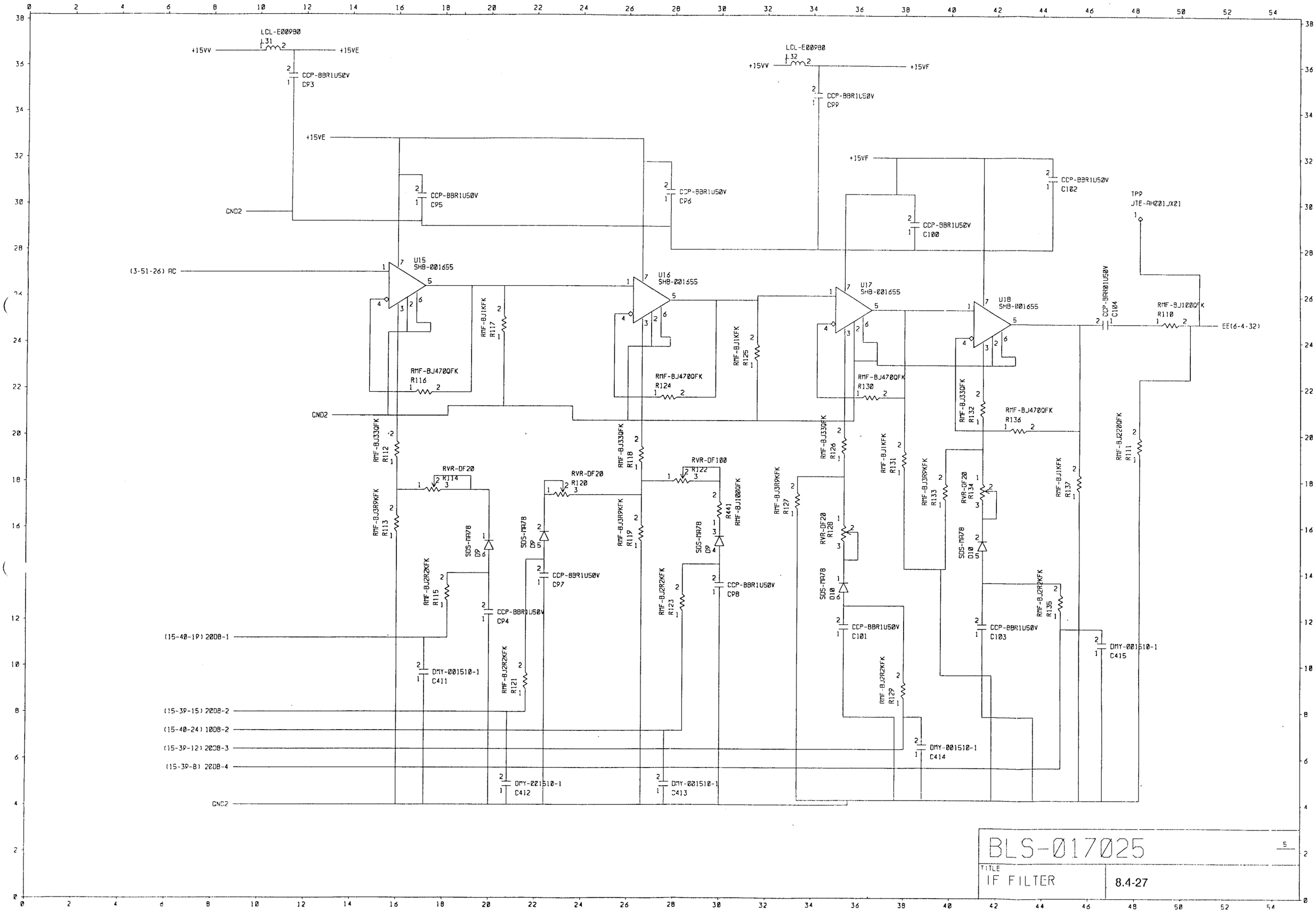
IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

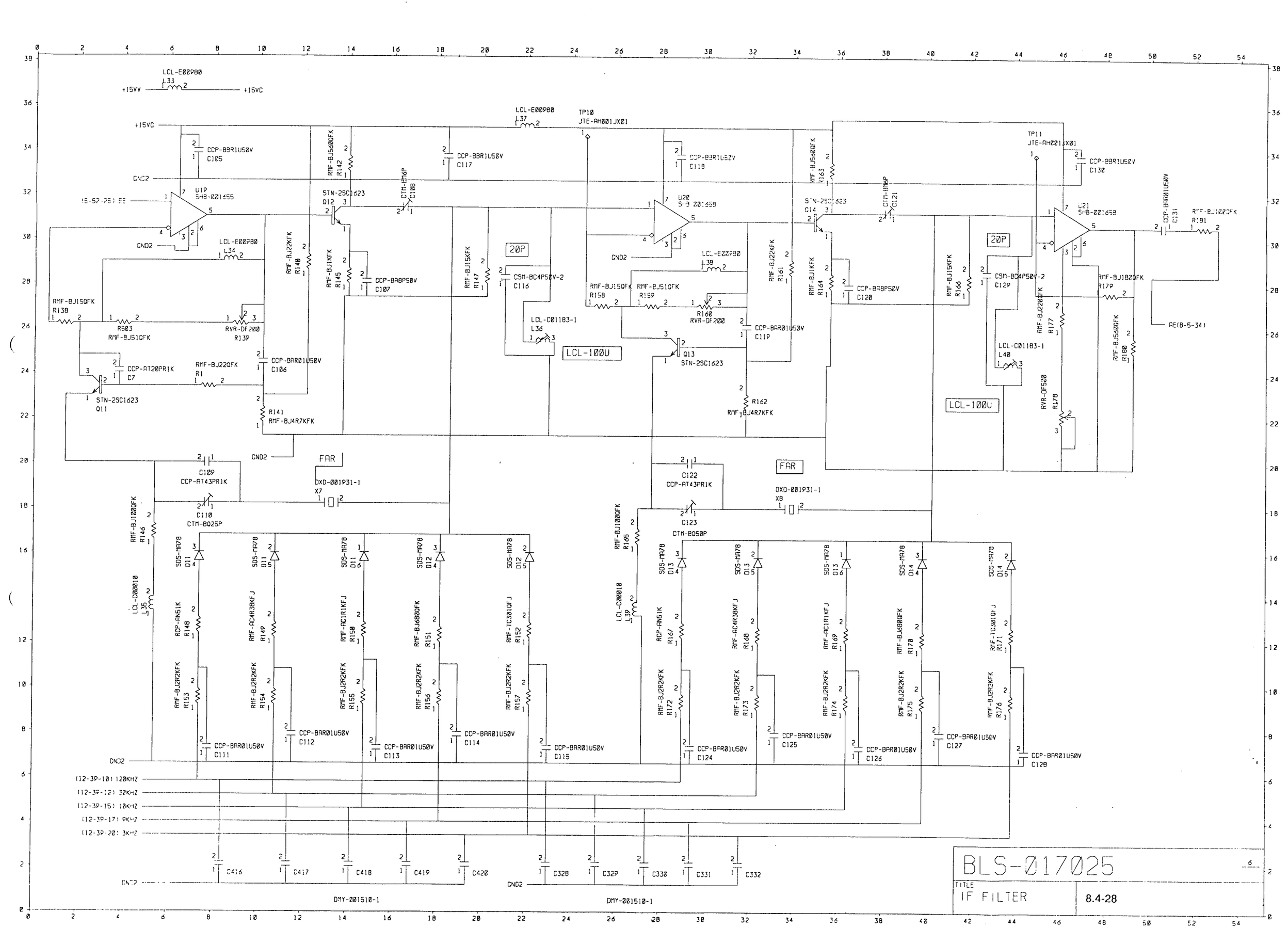
BLS-017025	1
TITLE IF FILTER	8.4-23


LCL-E00980
-15VV
-15VQ
77
SHB-001543
U1
SDS-1S2222
D38
D40
D39
SDS-1S2222
SDS-1S2222
RMF-BJ2700FK
R233
LCL-L00900
L76
CCP-BAR01U50V
C295
CCP-BAR01U50V
C296
RMF-BJ100QFK
R232
STN-2SC3357
Q1
IF-IN
SHB-001544
U2
LCL-10U
LCL-C01184-1
L1
CTM-BM50P
C3
CTM-BM50P
C4
BAR
BAR
DXD-001934-1
X1
DXD-001934-1
X2
LCL-10U
LCL-C01184-1
L2
TP1
JTE-AH001JX01
DEE-001911
M1
21.40UT
GND2
J11
JCF-BF001JX01-1
RMF-BJ2R7KFK
R339
RMF-BJ180QFK
R340
RMF-BJ15KFK
R341
RMF-BJ5R6KFK
R231
RMF-BJ330QFK
R342
RVR-DF20
R338
CCP-BBR1U50V
C300
CCP-BBR1U50V
C298
CCP-BBR1U50V
C299
CCP-BBR1U50V
C297
JCF-BF001JX02-1
J1
LCL-E00980
59
(11-33-7) PREAMP
-15VQ
(22-14) RBW1
(23-8)
(11-33-24)
L101
LCL-B00364
C400
CTM-BM20P
LCL-C01229
L3
TP2
JTE-AH001JX01
+15VA
CCP-BAR01U50V
C184
RMF-BJ100QFK
R291
CCP-BBR1U50V
C187
RMF-BJ100QFK
R303
STN-2SC1623
Q30
R358
RBW1(22-22)
(19-33-4)
RMF-BJ5R6KFK
C341
CCP-BAR01U50V
-15VA
RMF-BJ5R6KFK
R319
RMF-BJ100QFK
R316
CCP-BAR01U50V
C186
RMF-BJ100QFK
R301
STN-2SC1623
Q32
CCP-BBR1U50V
C339
R361
RBW1(22-22)
(19-33-4)
RMF-BJ5R6KFK
R320
C342
CCP-BAR01U50V
-15VA
CCP-BBR1U50V
C338
-15VA
GND2
JCF-BF001JX02-1
J2
RMF-BJ2R7KFK
R331
RMF-BJ2R7KFK
R332
R356
RMF-BJ5R6KFK
R359
RMF-BJ5R6KFK
CCP-BBR1U50V
C188
CCP-BAR01U50V
C185
LO
GND2
RMF-BJ10KFK
R8
CCP-BAR01U50V
C18
STN-2SC3357
Q2
RMF-BJ5R6KFK
RP
RMF-BJ220QFK
R11
CCP-BAR01U50V
C20
CCP-BBR1U50V
C19
GND2
LCL-C01182-1
L11
RMF-BJ1KFK
R12
CCP-AV160PR1K
C21
GND2
25M-OUT
GND2
J4
JCF-BF001JX01-1
LCL-E00280
14
+15VV
+15VA
LCL-E00280
10
-15VV
-15VA
BLS-017025
2
TITLE
IF FILTER
8.4-24

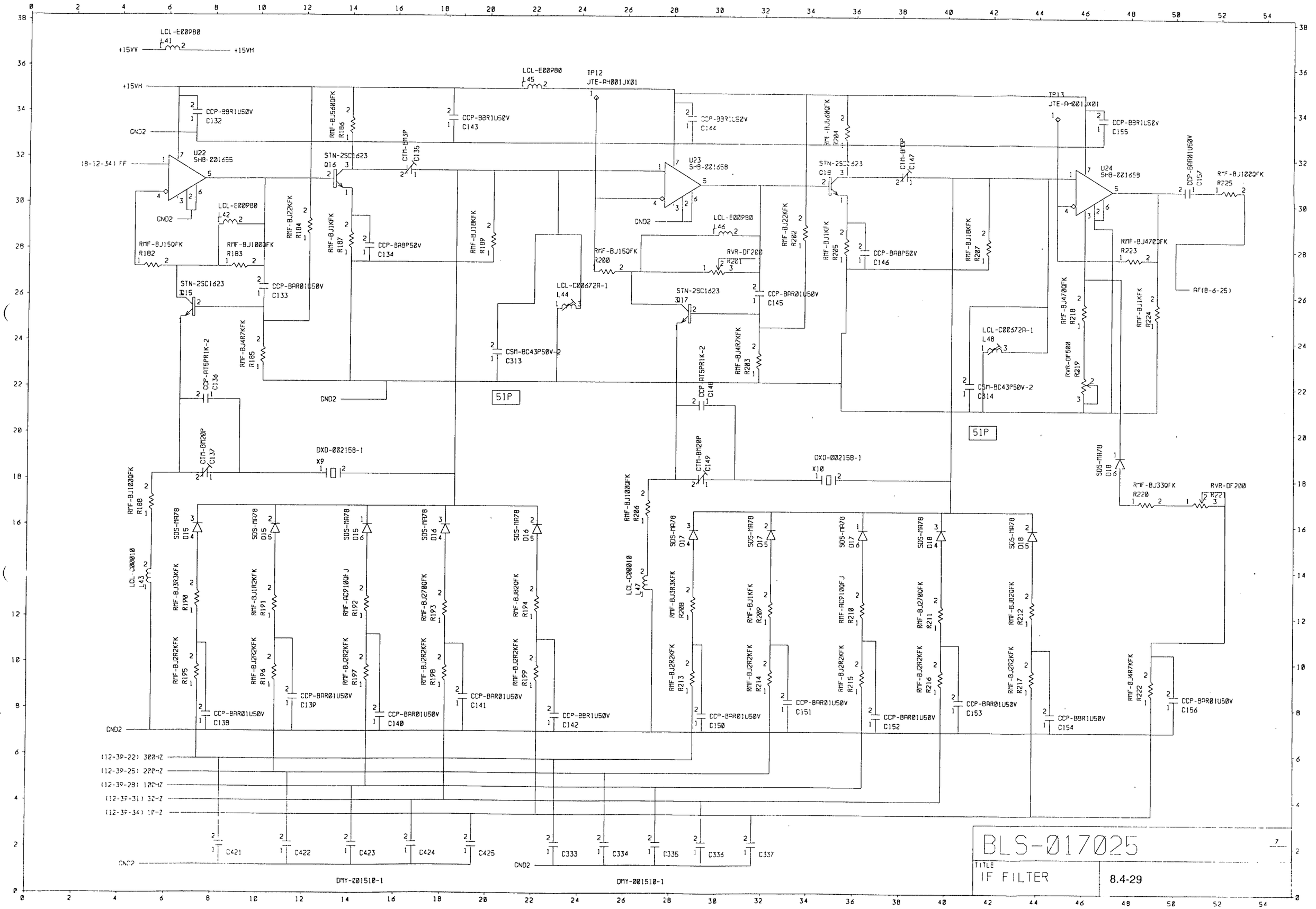

+15VC
GND2
LCL-E00P80
TP5
JTE-AH001JX01
TP6
CCP-BBR1U50V
STN-2SC1623
SHB-221658
RMF-BJ22KFK
RMF-BJ1KFK
RMF-BJ15KFK
CCP-BABP50V
CSM-BC4P50V-2
LCL-C01183-1
LCL-100U
20P
FAR
DXO-001P31-1
CCP-AT43PR1K
CTM-BQ25P
SDS-MA78
CCP-BAR01U50V
DMY-001510-1
DMY-221510-1
RVR-DF200
(12-39-10) 120KHZ
(12-39-12) 30KHZ
(12-39-15) 12KHZ
(12-39-17) 9KHZ
(12-39-20) 3KHZ
AC(5-7-27)
BLS-017025
3
TITLE
IF FILTER
8.4-25

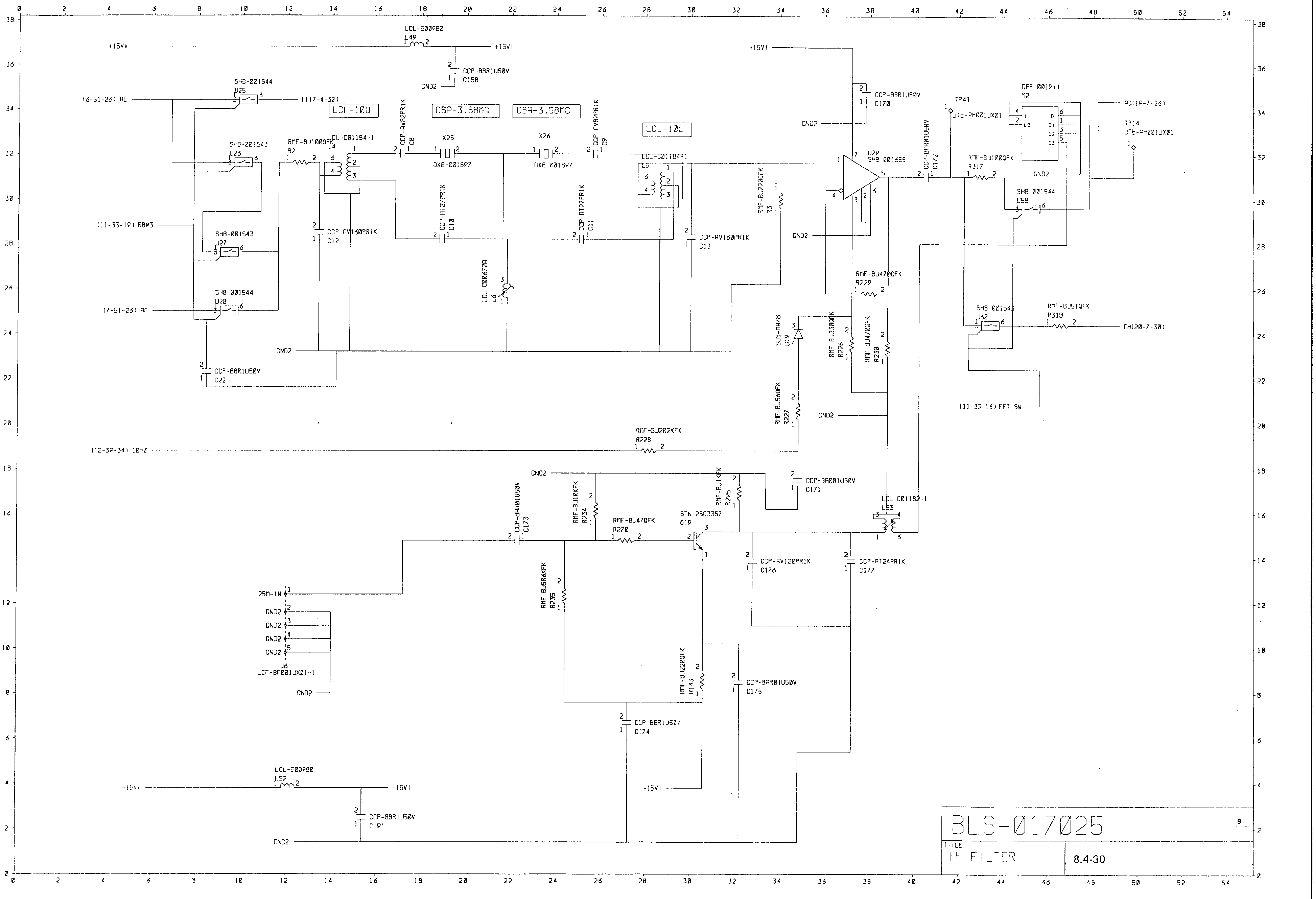

LCL-E00P80
L23
+15VV
+15VD
+15VD
(18-51-24)B8
RMF-BJ180QFK
R65
CCP-BBR1U50V
C68
GND2
CCP-BAR01U50V
C66
U8
SHB-Z01655
RMF-BJ15QFK
R66
RMF-BJ15QFK
R69
RMF-BJ100QFK
R70
LCL-E00P80
L24
SDS-MA2A
D37
RMF-BJ3R9KFK
R67
CCP-BBR1U50V
C67
GND2
STN-2SC1623
Q7
CCP-BAR01U50V
C69
RMF-BJ22KFK
R71
RMF-BJ4R7KFK
R72
CCP-AT5PR1K-2
C72
CTM-BM20P
C73
RMF-BJ2R2KFK
R68
RMF-BJ100QFK
R75
LCL-C00010
L25
DXD-002158-1
X5
RMF-BJ560QFK
R73
CCP-BBR1U50V
C79
STN-2SC1623
Q8
CTM-BM3P
C71
RMF-BJ1KFK
R74
CCP-BABP50V
C70
RMF-BJ18KFK
R76
LCL-E00P80
L27
TP7
JTE-AH001JX01
51P
LCL-C00672A-1
L26
CSM-BC43P50V-2
C311
CCP-AT5PR1K-2
C84
CTM-BM20P
C85
DXD-002158-1
X6
LCL-C00010
L29
RMF-BJ100QFK
R93
SDS-MA7B
D7
SDS-MA7B
D8
RMF-BJ3R3KFK
R95
RMF-BJ1R2KFK
R96
RMF-AC910QFJ
R97
RMF-BJ270QFK
R98
RMF-BJ82QFK
R99
RMF-BJ2R2KFK
R100
RMF-BJ2R2KFK
R101
RMF-BJ2R2KFK
R102
RMF-BJ2R2KFK
R103
RMF-BJ2R2KFK
R104
CCP-BAR01U50V
C86
CCP-BAR01U50V
C87
CCP-BAR01U50V
C88
CCP-BAR01U50V
C89
CCP-BBR1U50V
C90
SDS-MA7B
D5
SDS-MA7B
D6
RMF-BJ3R3KFK
R77
RMF-BJ1R2KFK
R78
RMF-AC910QFJ
R79
RMF-BJ270QFK
R80
RMF-BJ82QFK
R81
RMF-BJ2R2KFK
R82
RMF-BJ2R2KFK
R83
RMF-BJ2R2KFK
R84
RMF-BJ2R2KFK
R85
RMF-BJ2R2KFK
R86
CCP-BAR01U50V
C74
CCP-BAR01U50V
C75
CCP-BAR01U50V
C76
CCP-BAR01U50V
C77
CCP-BBR1U50V
C78
GND2
(12-39-22) 320HZ
(12-39-25) 202HZ
(12-39-28) 122HZ
(12-39-31) 38HZ
(12-39-34) 12HZ
DMY-001510-1
C323
DMY-001510-1
C324
DMY-001510-1
C325
DMY-001510-1
C326
DMY-001510-1
C327
DMY-001510-1
C406
C407
C408
C409
C410
GND2
LCL-E00P80
L28
RMF-BJ15QFK
R87
RVR-DF220
R88
STN-2SC1623
Q9
CCP-BAR01U50V
C81
RMF-BJ4R7KFK
R90
RMF-BJ22KFK
R89
CCP-BBR1U50V
C80
RMF-BJ560QFK
R91
STN-2SC1623
Q10
CTM-BM3P
C83
RMF-BJ1KFK
R92
CCP-BABP50V
C82
RMF-BJ18KFK
R94
TP8
JTE-AH001JX01
CCP-BBR1U50V
C91
U10
SHB-Z01658
RMF-BJ1Z2QFK
R109
RMF-BJ560QFK
R107
RMF-BJ470QFK
R105
RMF-BJ1KFK
R108
AD(18-44-20)
LCL-C00672A-1
L30
CSM-BC43P50V-2
C312
51P
RVR-DF500
R106
BLS-017025
4
TITLE
IF FILTER
8.4-26


LCL-E00980
+15VV
+15VE
CCP-BBR1U50V
C93
+15VE
GND2
CCP-BBR1U50V
C95
CCP-BBR1U50V
C96
(3-51-26) AC
U15
SHB-001655
U16
SHB-001655
RMF-BJ1KFK
R117
RMF-BJ470QFK
R116
RMF-BJ470QFK
R124
RMF-BJ1KFK
R125
GND2
RMF-BJ330FK
R112
RMF-BJ330FK
R118
RVR-DF20
R114
RVR-DF20
R120
RVR-DF100
R122
RMF-BJ3R9KFK
R113
RMF-BJ3R9KFK
R119
RMF-BJ1000FK
R441
SDS-MA78
D9
6
SDS-MA78
D9
5
SDS-MA78
D9
4
CCP-BBR1U50V
C94
CCP-BBR1U50V
C97
CCP-BBR1U50V
C98
RMF-BJ2R2KFK
R115
RMF-BJ2R2KFK
R121
RMF-BJ2R2KFK
R123
(15-40-1P) 20DB-1
DMY-001510-1
C411
DMY-001510-1
C412
DMY-001510-1
C413
(15-39-15) 20DB-2
(15-40-24) 10DB-2
(15-39-12) 20DB-3
(15-39-8) 20DB-4
GND2
LCL-E00980
+15VV
+15VF
CCP-BBR1U50V
C99
+15VF
CCP-BBR1U50V
C100
CCP-BBR1U50V
C102
U17
SHB-001655
U18
SHB-001655
TP9
JTE-AH201JX01
CCP-BBR1U50V
C104
RMF-BJ100QFK
R110
EE(6-4-32)
RMF-BJ330FK
R126
RMF-BJ1KFK
R131
RMF-BJ470QFK
R130
RMF-BJ330FK
R132
RMF-BJ470QFK
R136
RMF-BJ220QFK
R111
RMF-BJ3R9KFK
R127
RMF-BJ3R9KFK
R133
RVR-DF20
R128
RVR-DF20
R134
RMF-BJ1KFK
R137
SDS-MA78
D10
6
SDS-MA78
D10
5
RMF-BJ2R2KFK
R135
CCP-BBR1U50V
C101
CCP-BBR1U50V
C103
RMF-BJ2R2KFK
R129
DMY-001510-1
C414
DMY-001510-1
C415
BLS-017025
5
TITLE
IF FILTER
8.4-27

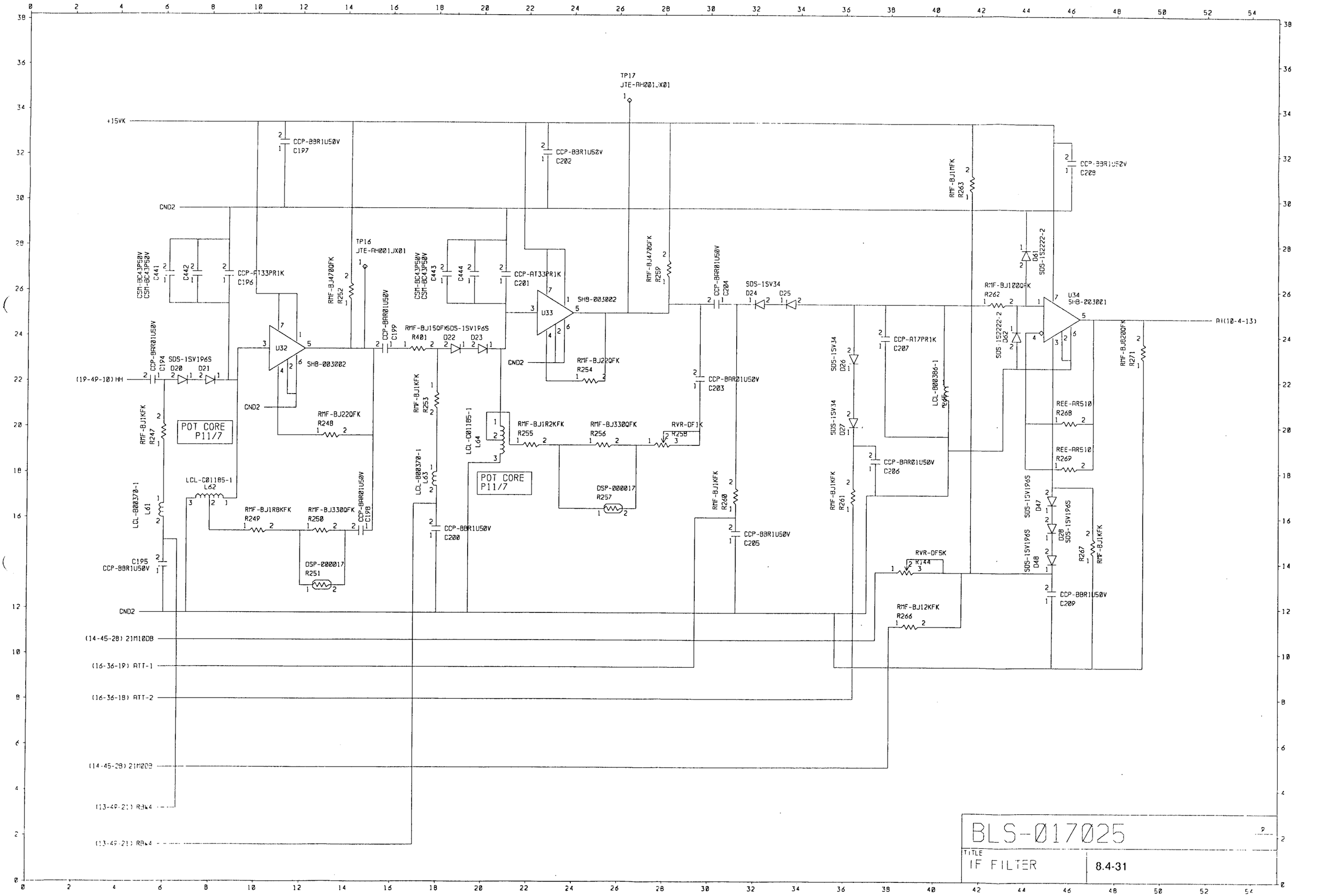


BLS-017025		6
TITLE: IF FILTER	8.4-28	


+15VV
+15VH
LCL-E00P80 L41
LCL-E00P80 L45
TP12 JTE-A4001JX01
TP13 JTE-A4001JX01
GND2
(8-12-34) FF
U22 SMB-221655
U23 SMB-221658
U24 SMB-221658
STN-2SC1623 Q15
STN-2SC1623 Q16
STN-2SC1623 Q17
STN-2SC1623 Q18
LCL-E00P80 L42
LCL-E00P80 L46
RMF-BJ150FK R182
RMF-BJ100FK R183
RMF-BJ22KFK R184
RMF-BJ1KFK R187
RMF-BJ18KFK R189
RMF-BJ150FK R200
RVR-DF200 R201
RMF-BJ22KFK R202
RMF-BJ1KFK R205
RMF-BJ560FK R204
RMF-BJ18KFK R207
RMF-BJ470FK R218
RVR-DF500 R219
RMF-BJ1KFK R224
RMF-BJ4702FK R223
RMF-BJ1222FK R225
RMF-BJ4R7KFK R185
RMF-BJ4R7KFK R203
RMF-BJ560FK R186
CCP-B8R1U50V C132
CCP-B8R1U50V C143
CCP-B8R1U50V C144
CCP-B8R1U50V C155
CCP-BAR01U50V C157
CCP-BA8P50V C134
CCP-BAR01U50V C133
CCP-BA8P50V C146
CCP-BAR01U50V C145
CCP-AT5R1K-2 C136
CCP-AT5R1K-2 C148
CTM-BM3P C135
CTM-BM3P C147
CSM-BC43P50V-2 C313
CSM-BC43P50V-2 C314
LCL-C00572A-1 L44
LCL-C00572A-1 L48
51P
51P
CTM-BM20P C137
CTM-BM20P C149
DXD-002158-1 X9
DXD-002158-1 X10
LCL-C00010 L43
LCL-C00010 L47
RMF-BJ100FK R188
RMF-BJ100FK R206
SDS-MA78 D15
SDS-MA78 D16
SDS-MA78 D17
SDS-MA78 D18
RMF-BJ3R3KFK R190
RMF-BJ1R2KFK R191
RMF-ACP100FJ R192
RMF-BJ270FK R193
RMF-BJ82FK R194
RMF-BJ2R2KFK R195
RMF-BJ2R2KFK R196
RMF-BJ2R2KFK R197
RMF-BJ2R2KFK R198
RMF-BJ2R2KFK R199
RMF-BJ3R3KFK R208
RMF-BJ1KFK R209
RMF-ACP100FJ R210
RMF-BJ270FK R211
RMF-BJ82FK R212
RMF-BJ2R2KFK R213
RMF-BJ2R2KFK R214
RMF-BJ2R2KFK R215
RMF-BJ2R2KFK R216
RMF-BJ2R2KFK R217
RMF-BJ330FK R220
RVR-DF200 R221
RMF-BJ4R7KFK R222
CCP-BAR01U50V C139
CCP-BAR01U50V C138
CCP-BAR01U50V C139
CCP-BAR01U50V C140
CCP-BAR01U50V C141
CCP-B8R1U50V C142
CCP-BAR01U50V C150
CCP-BAR01U50V C151
CCP-BAR01U50V C152
CCP-BAR01U50V C153
CCP-B8R1U50V C154
CCP-BAR01U50V C156
(12-39-22) 320HZ
(12-39-25) 200HZ
(12-39-28) 100HZ
(12-39-31) 32HZ
(12-39-34) 10HZ
C421
C422
C423
C424
C425
C333
C334
C335
C336
C337
DMY-001510-1
DMY-001510-1
RF(8-6-25)
BLS-017025
IF FILTER
8.4-29



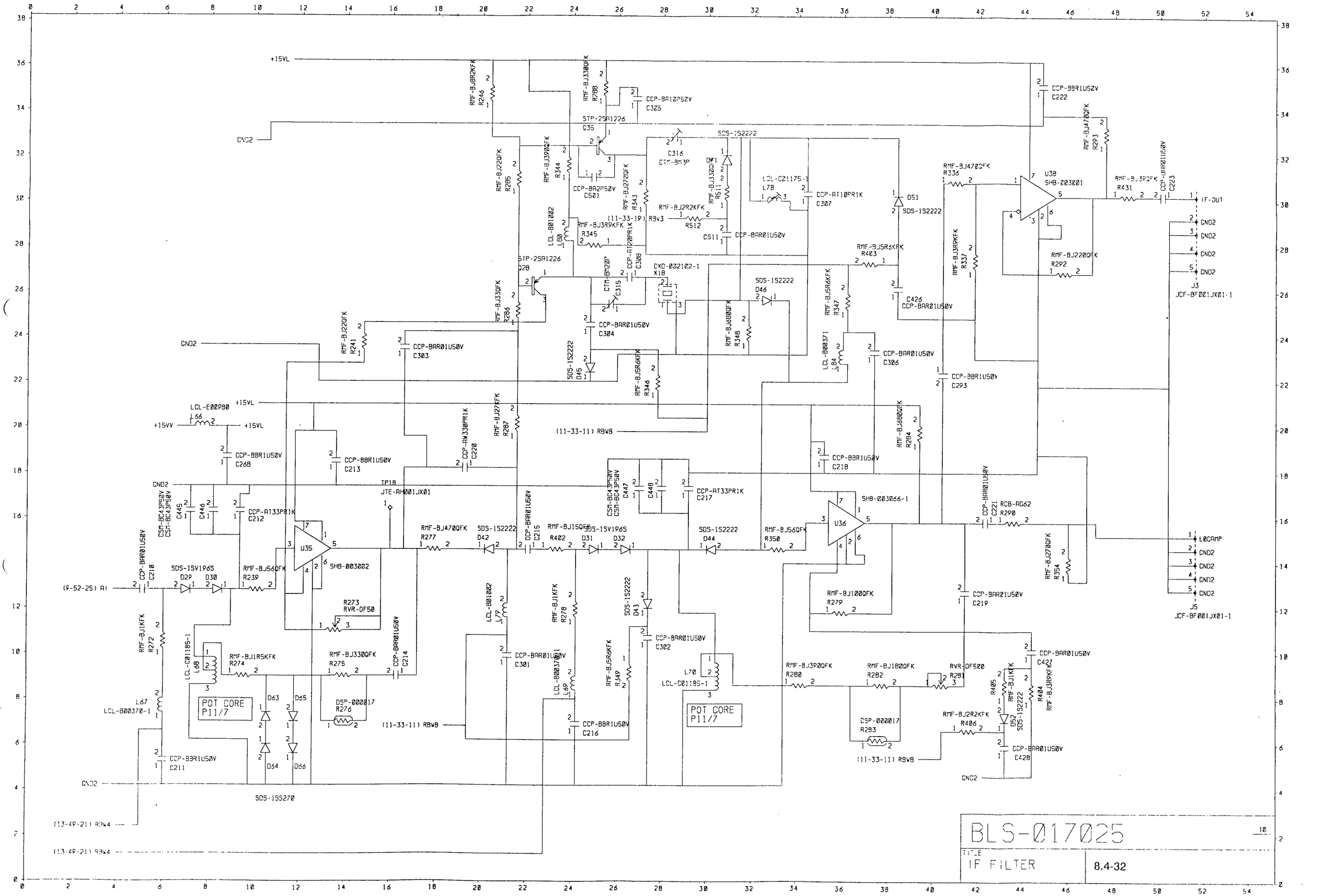
LCL-E00P80
L49
+15VV
+15VI
CCP-BBR1U50V
C158
GND2
SHB-001544
U25
(6-51-26) AE
FF(7-4-32)
LCL-10U
CSA-3.58MG
CSA-3.58MG
LCL-10U
SHB-001543
U26
RMF-BJ1000FK
R2
LCL-C01184-1
L4
CCP-AV82PR1K
C8
X25
DXE-001897
X26
DXE-001897
CCP-AV82PR1K
C9
L5
CCP-AT27PR1K
C10
CCP-AT27PR1K
C11
(11-33-19) RBW3
CCP-AV160PR1K
C12
CCP-AV160PR1K
C13
SHB-001543
U27
LCL-C00672A
L6
SHB-001544
U28
(7-51-26) AF
GND2
CCP-BBR1U50V
C22
CCP-BBR1U50V
C170
RMF-BJ220QFK
R3
U29
SHB-001655
CCP-BAR01U50V
C172
TP41
JTE-AH001JX01
DEE-001911
M2
PG(19-7-26)
TP14
JTE-AH001JX01
RMF-BJ100QFK
R317
SHB-001544
U59
RMF-BJ470QFK
R229
SDS-MA78
D19
RMF-BJ330QFK
R226
RMF-BJ470QFK
R230
SHB-001543
U62
RMF-BJ510FK
R318
AH(20-7-30)
(11-33-16) FFT-SW
RMF-BJ560FK
R227
RMF-BJ2R2KFK
R228
(12-39-34) 10HZ
CCP-BAR01U50V
C171
RMF-BJ1KFK
R295
LCL-C01182-1
L53
RMF-BJ10KFK
R234
CCP-BAR01U50V
C173
RMF-BJ470FK
R270
STN-2SC3357
Q19
CCP-AV120PR1K
C176
CCP-AT24PR1K
C177
RMF-BJ5R6KFK
R235
25M-IN
GND2
GND2
GND2
GND2
J6
JCF-BF001JX01-1
GND2
RMF-BJ220QFK
R143
CCP-BAR01U50V
C175
CCP-BBR1U50V
C174
LCL-E00P80
L52
-15VV
-15VI
CCP-BBR1U50V
C191
-15VI
GND2
BLS-017025
B
TITLE
IF FILTER
8.4-30



BLS-017025

TITLE
IF FILTER

8.4-31



BLS-017025 10

TITLE
IF FILTER

8.4-32

SIM-CXD1095
U39

(17-12-16) AD0
(17-12-17) AD1
(17-12-18) AD2
(17-12-19) AD3
(17-12-20) AD4
(17-12-21) AD5
(17-12-22) AD6
(17-12-23) AD7
(17-12-30) AA1
(17-12-31) AA2
(17-12-32) AA3
(17-12-25) xACWR
(17-12-27) xARD
(13-4) xRBW

+5VV

CCP-BBR1U50V C230

+15VV

CCP-BBR1U50V C233

SIA-TL072S U42

RBW1(2-22-22) (19-33-4)

CCP-BBR1U50V C14

SIA-TL072S U42

RBW2(18-44-17)

CCP-BBR1U50V C15

SIA-TL072S U43

RBW3(8-6-29) (10-28-29)

CCP-BBR1U50V C16

RMF-BJ4R7KFK R296

+5VV

SIA-TL072S U43

FFT-SW(8-45-21)

CCP-BBR1U50V C17

RMF-BJ4R7KFK R297

CCP-BAR01U50V C232

SIA-TL072S U3

RBWB(10-18-7) (10-26-20) (10-39-5)

CCP-BBR1U50V C309

SIA-TL072S U3

PREAMP(2-5-23)

CCP-BBR1U50V C310

-15VV

CCP-BBR1U50V C234

GND2

U63-7(20-35-14)
U63-6(20-35-13)
U63-5(20-35-13)
U63-4(20-35-12)

SIM-74HC138
U57

(17-12-34) AA5
(17-12-35) AA6
(17-12-36) AA7
+5VV
(17-12-29) xCS(F1
(17-12-26) xAWR

xRBW(5-27)
xGAIN(14-13-21)
xDA7528(13-8-4)
xDA7542(20-35-16)

SIT-7407S U40

RBWA(12-5-33)
RBWB(12-5-30)
RBWC(12-5-27)
RBWD(12-5-24)
RBWE(12-5-22)
RBWF(12-5-19)

SIT-7407S U41

RBWG(12-5-17)
RBWH(12-5-14)
RBWI(12-5-12)
RBWJ(12-5-8)

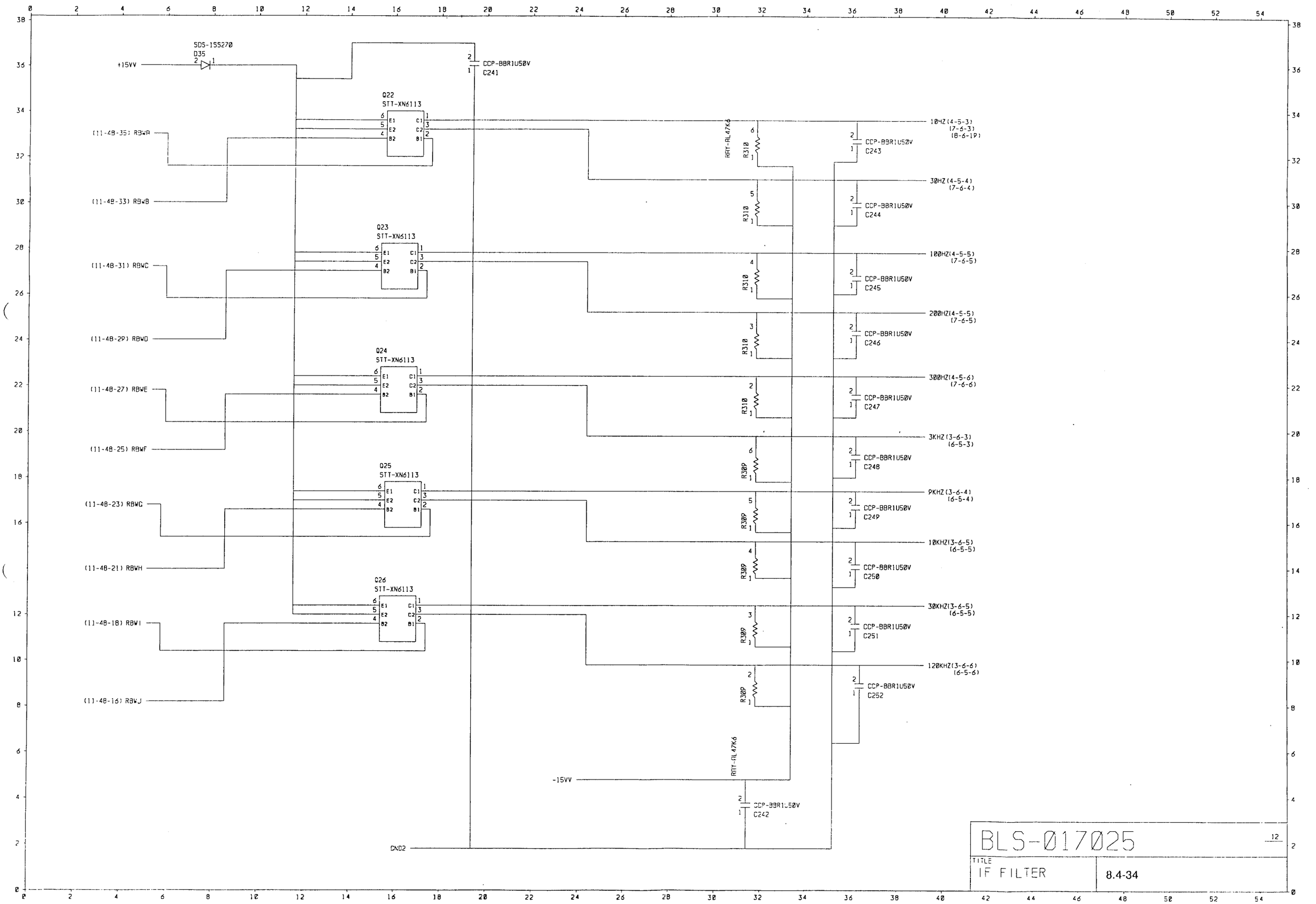
+5VV

CCP-BBR1U50V C231

BLS-017025 11

TITLE IF FILTER

8.4-33

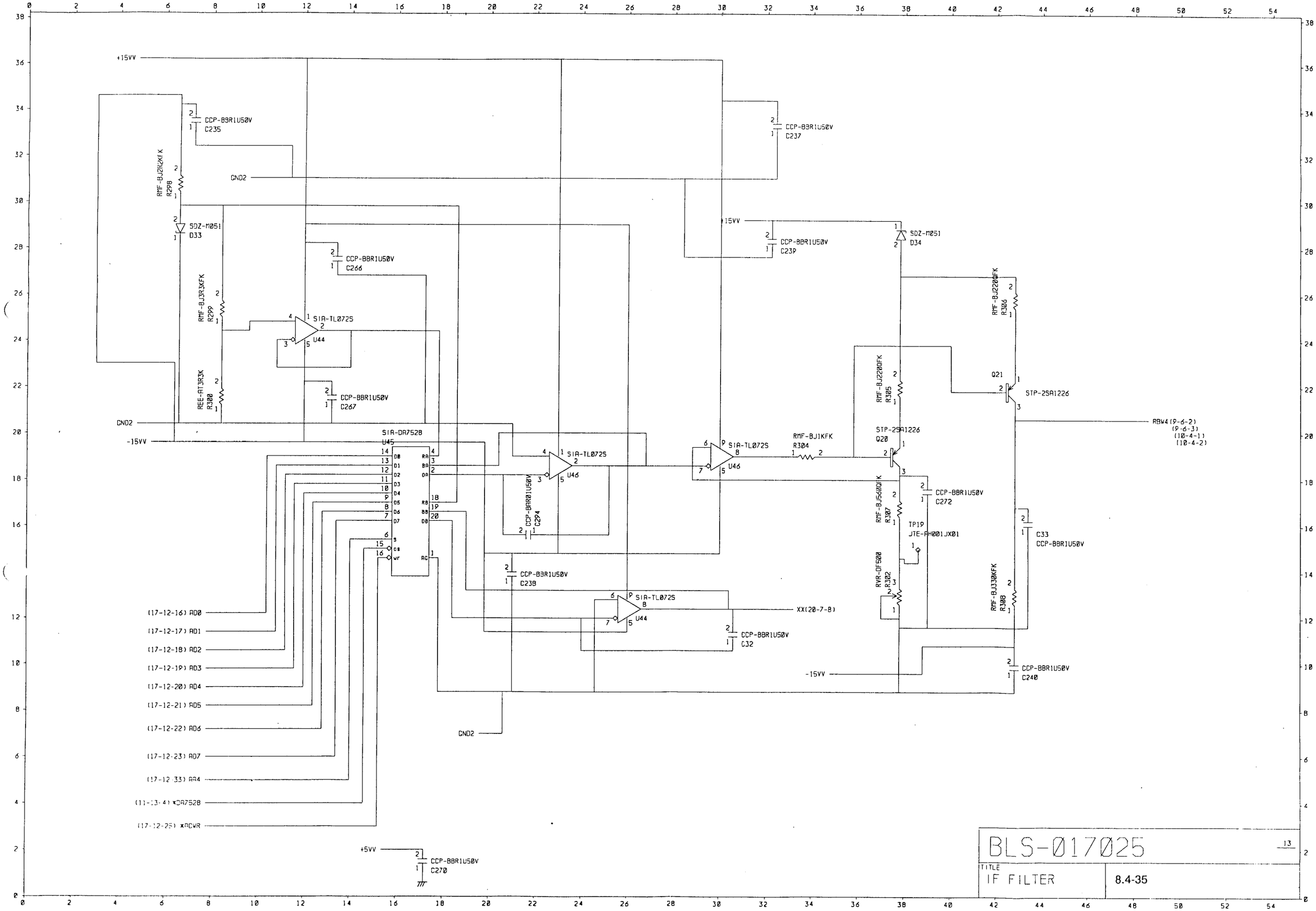


BLS-017025

12

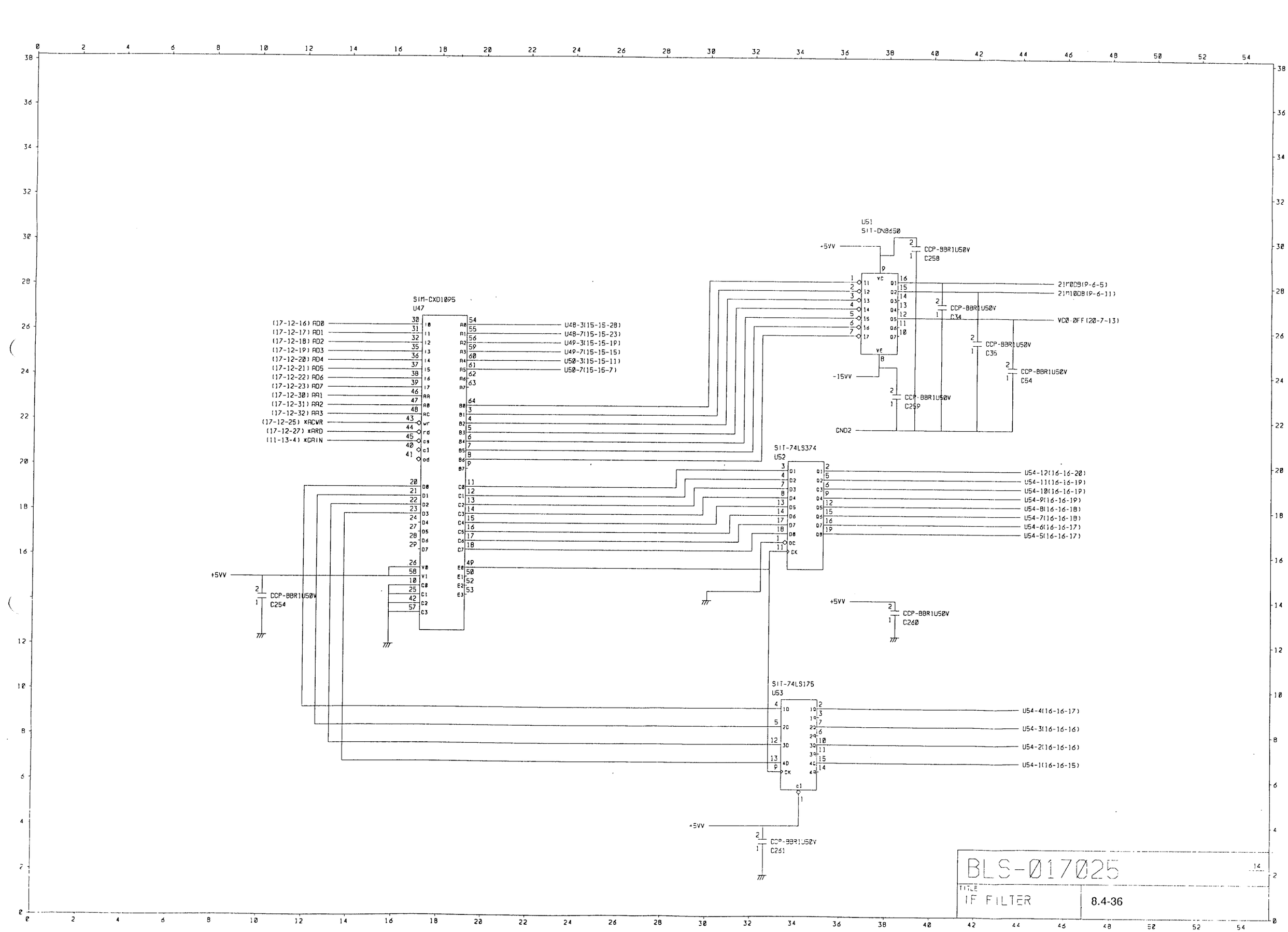
TITLE
IF FILTER

8.4-34



BLS-017025 13

TITLE IF FILTER | 8.4-35

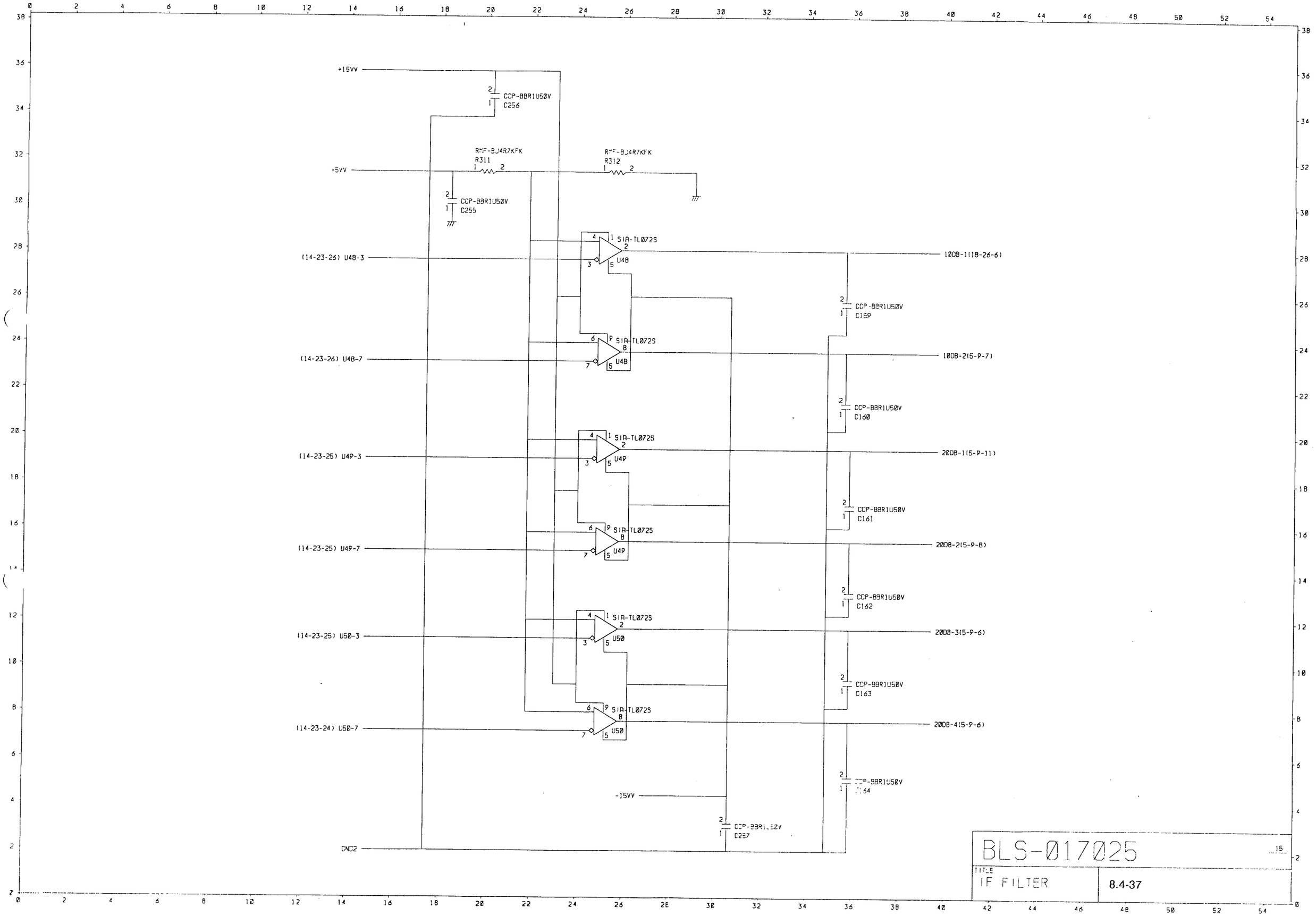


BLS-017025

14

TITLE
IF FILTER

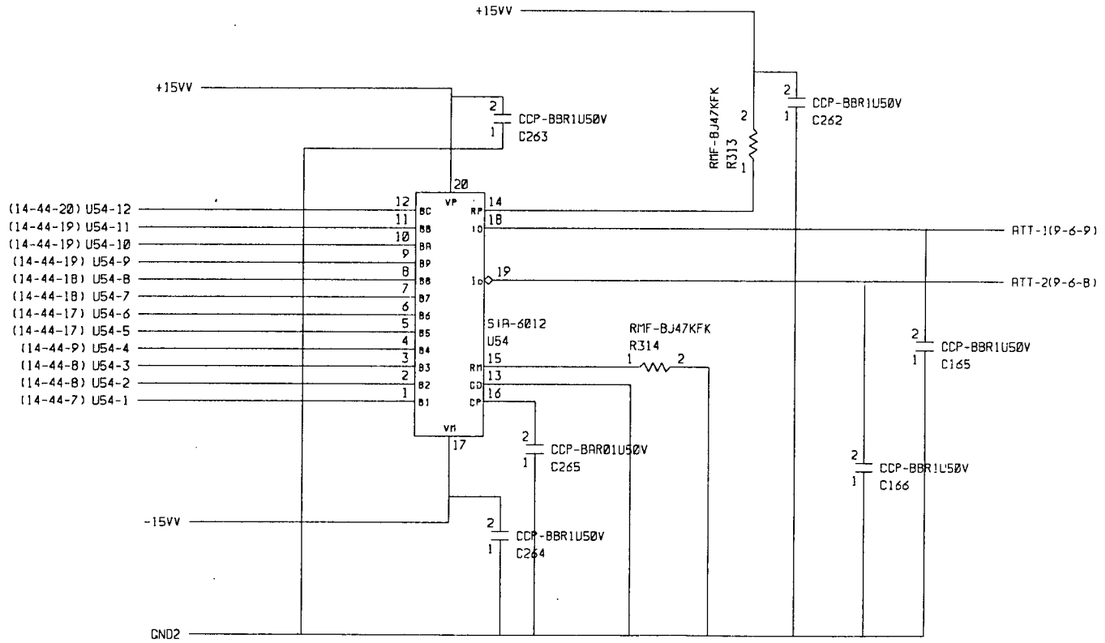
8.4-36



BLS-017025 15

TITLE
IF FILTER

8.4-37

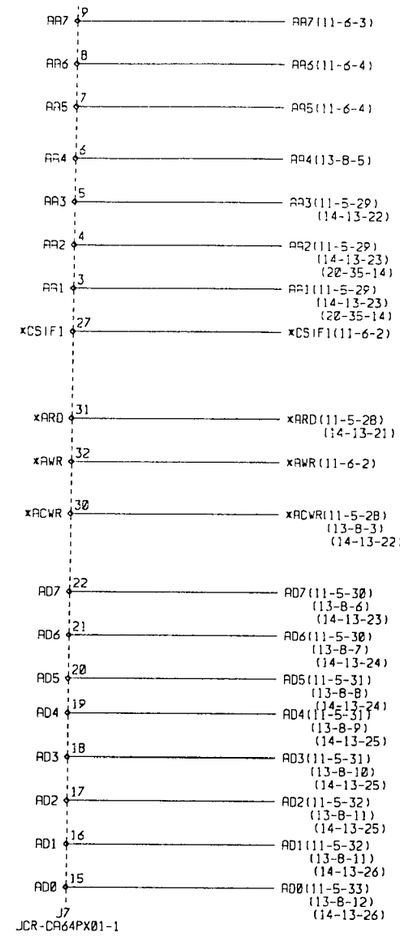


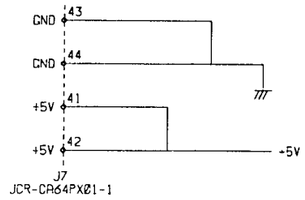
BLS-017025

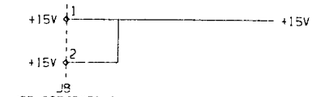
16

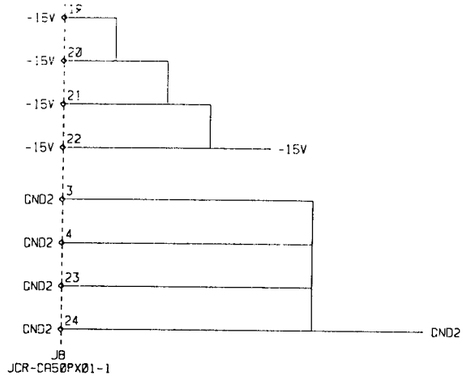
TITLE
IF FILTER

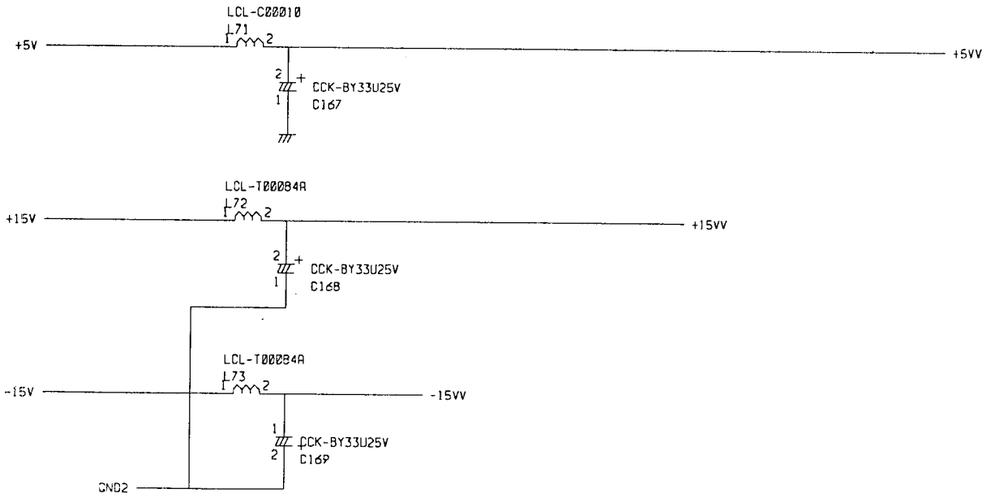
8.4-38

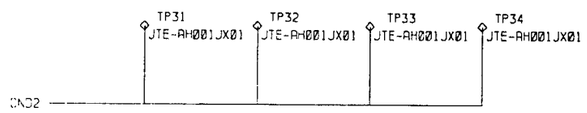


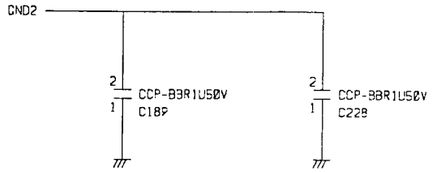












BLS-017025

17

TITLE
IF FILTER

8.4-39

LCL-E00980
L12
+15VV
+15VB
CCP-BBR1U50V
C23
GND2

LCL-E00980
L15
+15VV
+15VC

GND2
RMF-BJ5R6KFK
R5
CCP-BAR01U50V
C27
RMF-BJ270QFK
R351
CCP-BAR01U50V
C24
RMF-BJ100QFK
R64
STN-2SC1623
Q29
RMF-BJ100QFK
R14
LCL-10U
LCL-C01184-1
L7
CCP-AV82PR1K
C30
X11
DXE-001897
X12
DXE-001897
CCP-AV82PR1K
C31
CSA-3.58MC
LCL-10U
LCL-C01184-1
L8
+15V8
TP4
JTE-AH001JX01
U4
SHB-001655
CCP-BBR1U50V
C36
SHB-001544
U11
BB(4-4-34)
SHB-001543
U12
SHB-001543
U13
AB(3-4-32)
SHB-001544
U14
(4-51-26) AD
CB1
CB2
LCL-B00364
L13
(2-51-28) AA
DNF-000986
DNF-000986
DNF-000986
RMF-BJ5R6KFK
R6
RMF-BJ3300FK
R13
RMF-BJ220FK
R7
RMF-BJ1800FK
R4
CCP-AV330PR1K
C226
CCP-AV330PR1K
C227
CCP-BBR1U50V
C26
CCP-BBR1U50V
C25
CCP-AV160PR1K
C28
CCP-AT27PR1K
C224
CCP-AT27PR1K
C225
LCL-C00672H-1
L9
RMF-BJ220QFK
R352
CCP-AV160PR1K
C29
RMF-BJ4700FK
R20
RMF-BJ4700FK
R21
CCP-BBR1U50V
C429
(11-33-21) RBW2
GND2
-15VB
GND2
RMF-BJ330FK
R18
RMF-BJ56QFK
R426
RVR-DF100
R19
R427
DSP-000017
R17
RMF-BJ220QFK
SDS MA78
D36
LCL-E00980
L85
-15VV
-15VB
CCP-BBR1U50V
C317
GND2
RMF-BJ5R6KFK
R315
(15-40-28) 10DB-1
CCP-BAR01U50V
C37
GND2

BLS-017025
10
TITLE
IF FILTER
8.4-40

LCL-E02980
L59
+15VV
+15VJ

CTM-BM20P C180
CCP-AV51PR1K C178
BAR
DXD-001934-1 X31
LCL-10U
LCL-C01184-1 L54
(8-49-34) AC
CTM-BM3P C182
GND2

BAR
DXD-001934-1 X32
CTM-BM20P C181
CCP-AV51PR1K C179
CTM-BM3P C183
LCL-C0122P L55

LCL-10U
LCL-C01184-1 L56
RMF-BJ560FK R236

+15VJ
CCP-BBR1U50V C190
U30 SHB-003001
GND2
SHB-001544 U56
RMF-BJ470QFK R238
RMF-BJ220FK R237
RVR-DF50 R265
RMF-BJ330QFK R240
GND2

LCL-E00980
L60
+15VV
+15VK
CCP-BBR1U50V C192

+15VK
CCP-BBR1U50V C193
U31 SHB-003001
21.41N
GND2
GND2
GND2
GND2
J12 JCF-BF221JX01-1
GND2
RMF-BJ560FK R239
RMF-BJ392QFK R244
RMF-BJ470QFK R245
RMF-BJ220FK R242
RVR-DF200 R243
GND2

SHB-001543 U55
TP15 JTE-AH001JX01
HH(9-4-22)

(2-22-14) RB#1
(2-23-8)
(11-33-24)

BLS-017025 19

TITLE
IF FILTER

8.4-41

LCL-E00980
L51
+15VV — +15VN

LCL-E00980
L57
-15VV — -15VN

(8-49-24) AH

LCL-C01184-1
L81
CCP-AV150PR1K
C271
CTM-BM20P
C273
DXO-001059
X21
DXO-001059
X22
CTM-BM20P
C278
CTM-BM10P
C275
CCP-AT3PR1K
C274
CCP-AT3PR1K
C280
CTM-BM10P
C281
CTM-BM20P
C276
CCP-AV6PR1K
C277
GND2

LCL-C01184-1
L82
CCP-AV150PR1K
C282
TP42
JTE-AH001JX01

DSE-021911
M3
LD
O
C1
C2
C3

RMF-BJ1KFK
R462
RMF-BJ51QFK
R461
RMF-BJ27K0FK
R322
RMF-BJ1KFK
R323
RMF-BJ1KFK
R451
CFM-ANR47U50V
C283
C451
CFM-AHR1U100V
C452
CFM-ASR047U50V
GND2

+15VN
CCP-BBR1U50V
C285
RMF-BJ680QFK
R453
RMF-BJ1KFK
R454
U61
SIA-5532A
R455
RMF-BJ2R2KFK
C454
CFM-AHR1U100V
RMF-BJ3R9KFK
R452
C453
CFM-ASR047U50V
RMF-BJ5R6KFK
R325
R324
RMF-BJ750QFK
-15VN
CCP-BBR1U50V
C286

LCL-E00980
L50
+15VV — +15VO

+15VO
CCP-BBR1U50V
C287
LCL-E01176
L83
CCP-BBR1U50V
C340
RMF-BJ10KFK
R328
RMF-BJBR2KFK
R326
(14-45-27) VC0-0FF
STN-2SC1623
Q31
DXO-001863-1
X23
D53
SDS-1SV50
RMF-BJ22KFK
R327
(13-33-12) XX
RMF-BJ10KFK
R407
SDS-1SV50
D41
RMF-BJ22KFK
R329
CCP-AW470PR1K
C288
CCP-AW470PR1K
C289
RMF-BJ560QFK
R330
GND2

LCL-E00980
L74
+15VV — +15VP

LCL-E02980
L75
-15VV — -15VP

+15VP
+5VV
CCP-BBR1U50V
C253
CCP-BBR1U50V
C229
(11-13-3) *DA7542
(17-12-30) AA1
(17-12-31) AA2
(11-14-8) U63-7
(11-14-7) U63-6
(11-14-7) U63-5
(11-14-7) U63-4
U63
SIA-DA7542
SIA-TL0725
U64
RMF-BJ220QFK
R421
C269
CFM-ASR01U50V
P00HZ
GND2
J10
JC5-DN002PX02-1
C431
CCP-BA2200P50V
CCP-BBR1U50V
C236
-15VP
GND2
SIA-TL0725
U64
R408
RMF-BJ4720FK
RVR-DF1K
R409
R410
RMF-BJ2R2KFK

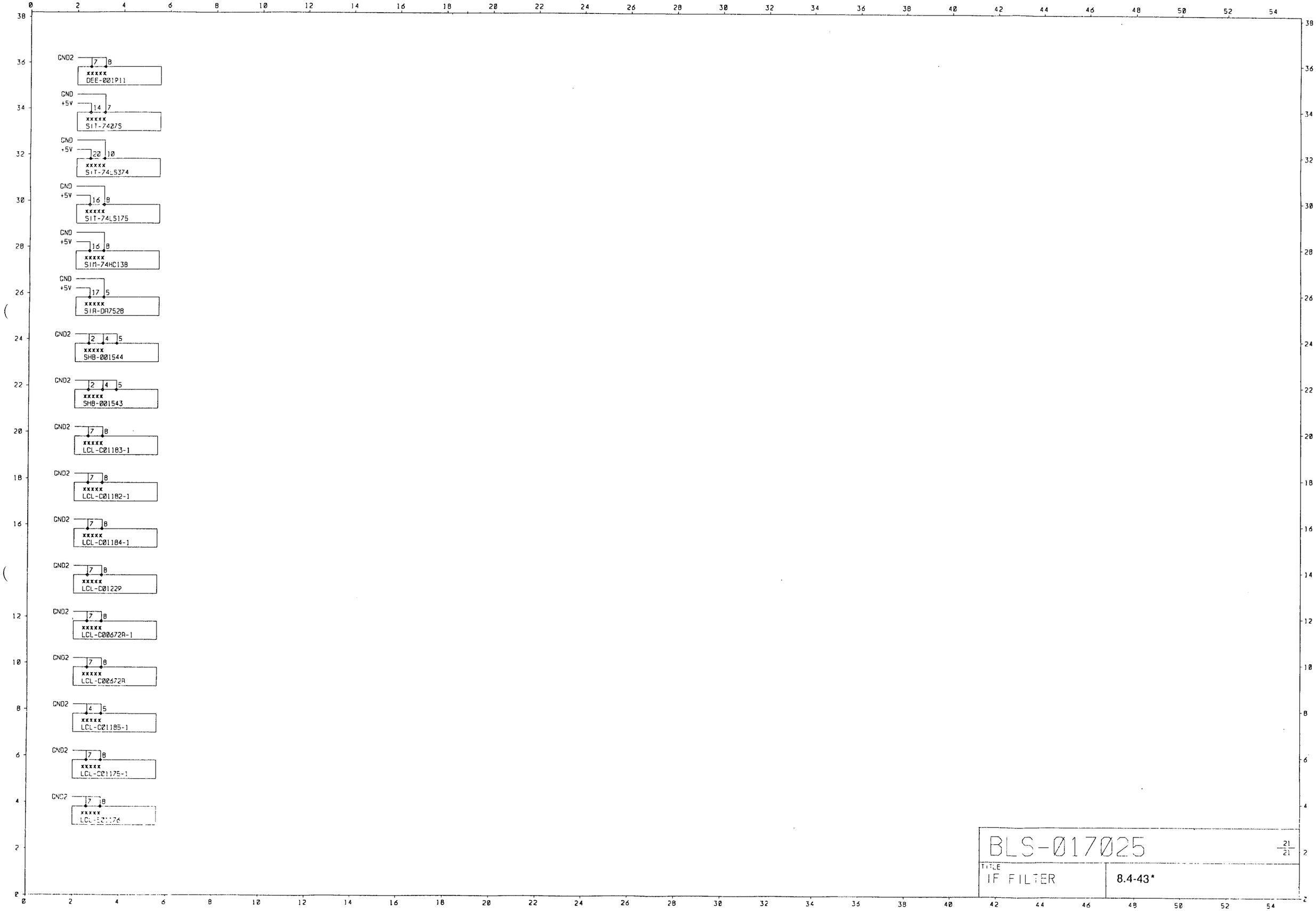
PLS-417025EF-1
YEE-021522-1
YEE-021502-1
YEE-021500-1
YEE-021520-1

BLS-017025

20

TITLE
IF FILTER

8.4-42



BLS-017025

21/21

TITLE
IF FILTER

8.4-43*

R3265/3271
LOG,A/D BLOCK
WDL-32× ×LOG

Parts No.	Advantest Stock No.	Description	Note
	BLS-017013	LOG AD BOARD	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (1 of 21)

Parts No.	Advantest Stock No.	Description					Note
C1 -4	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C5	CCP-BA82P50V	FXD	CHIP	82pF	±10%	50V	
C6 -17	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C20 -21	CMC-AC680PR3K	FXD	DIPPED MICA	680pF	±5%	300V	
C22 -32	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C35	CFM-AS4700P50V	FXD	FILM	4700pF	±10%	50V	
C36 -41	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C43	CFM-AS1000P50V	FXD	FILM	1000pF	±10%	50V	
C45 -50	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C53	CFM-AS4700P50V	FXD	FILM	4700pF	±10%	50V	
C55 -58	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C60 -65	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C67 -69	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C71 -73	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C75 -79	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C80	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C81	CCP-BA33P50V	FXD	CHIP	33pF	±10%	50V	
C82	CCP-BA100P50V	FXD	CHIP	100pF	±10%	50V	
C83	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C85 -86	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C88 -94	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C95	CCP-BBR033U50V	FXD	CHIP	0.033μF	±10%	50V	
C96 -97	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C100 -101	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C102	CCP-BA33P50V	FXD	CHIP	33pF	±10%	50V	
C103 -105	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C106 -107	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C108 -110	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C111	CCP-BA150P50V	FXD	CHIP	150pF	±10%	50V	
C112	CCP-BA33P50V	FXD	CHIP	33pF	±10%	50V	
C113	CCP-BA470P50V	FXD	CHIP	470pF	±10%	50V	
C114	CTA-AC3R3U16V	FXD	TA	3.3μF	±20%	16V	
C115	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C117	CCP-BA47P50V	FXD	CHIP	47pF	±10%	50V	
C118 -128	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C130	CCK-CV100U25V	FXD	ELECT	100μF	±20%	25V	
C132	CCK-CV100U25V	FXD	ELECT	100μF	±20%	25V	
C133 -154	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C158 -161	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C163	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (2 of 21)

Parts No.	Advantest Stock No.	Description					Note
C164 -169	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C170 -171	CCK-BX100U10V	FXD	ELECT	100μF	±20%	10V	
C172 -175	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C180	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C182 -183	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C185	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C186 -188	CCP-BA150P50V	FXD	CHIP	150pF	±10%	50V	
C189	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C190	CTA-AC3R3U16V	FXD	TA	3.3μF	±20%	16V	
C191	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C192	CCP-BA220P50V	FXD	CHIP	220pF	±10%	50V	
C193	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C201	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C202	CCP-BA3P50V	FXD	CHIP	3pF	±10%	50V	
C203 -205	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C206	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C207	CCK-CX10U25V	FXD	ELECT	10μF	±20%	25V	
C208 -212	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C213 -221	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C222	CCP-AT13PR1K	FXD	CHIP	0.1μF	+80%,-20%	50V	
C223	CCP-BA2P50V	FXD	CHIP	2μF	±10%	50V	
C224	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C225	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C226 -228	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C229 -230	CCK-CX10U25V	FXD	ELECT	10μF	±20%	25V	
C231 -238	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C239 -243	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C244	CCP-BA330P50V	FXD	CHIP	330pF	±10%	50V	
C245 -246	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C247	CCK-CX10U25V	FXD	ELECT	10μF	±20%	25V	
C248 -252	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C253 -255	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C256	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C257 -258	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C259	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C260	CCP-BA22P50V	FXD	CHIP	22pF	±10%	50V	
C261 -262	CCP-BA82P50V	FXD	CHIP	82pF	±10%	50V	
C263	CCP-BA22P50V	FXD	CHIP	22pF	±10%	50V	
C264 -265	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C266	CFM-BFR22U-1	FXD	FILM	0.22μF	±10%	50V	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (3 of 21)

Parts No.	Advantest Stock No.	Description					Note
C267	CFM-ASR022U50V	FXD	FILM	0.022μF	±10%	50V	
C268	CFM-AS2200P50V	FXD	FILM	2200pF	±10%	50V	
C269	CCP-BA220P50V	FXD	CHIP	220pF	±10%	50V	
C270	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C271	CCP-BA68P50V	FXD	CHIP	68pF	±10%	50V	
C272 -274	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C275	CCP-BA33P50V	FXD	CHIP	33pF	±10%	50V	
C276 -277	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C278	CCP-BA33P50V	FXD	CHIP	33pF	±10%	50V	
C279 -280	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C281	CCP-BA33P50V	FXD	CHIP	33pF	±10%	50V	
C282 -285	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C286	CCP-BA47P50V	FXD	CHIP	47pF	±10%	50V	
C287	CFM-BFR47U-1	FXD	FILM	0.47μF	±10%	50V	
C288 -289	CTA-AC10U16V	FXD	TA	10μF	±20%	16V	
C290	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C291 -292	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C293 -300	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C301	CCP-BA10P50V	FXD	CHIP	10pF	±10%	50V	
C303 -304	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C305 -306	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C307	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C308	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C309	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C310 -311	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C312 -313	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C314 -315	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C316	CCP-AT43PR1K	FXD	CHIP	43pF	±10%	100V	
C317	CCP-AT3PR1K	FXD	CHIP	3pF	±10%	100V	
C318 -319	CCP-BA10P50V	FXD	CHIP	10pF	±10%	50V	
C320 -321	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C322 -323	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C324 -325	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C326	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C327	CTA-AC3R3U16V	FXD	TA	3.3μF	±20%	16V	
C328 -329	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C330	CCP-BA10P50V	FXD	CHIP	10pF	±10%	50V	
C331 -336	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C337 -338	CCK-CX10U25V	FXD	ELECT	10μF	±10%	25V	
C339	CCK-CV100U25V	FXD	ELECT	100μF	±10%	25V	

Parts No.	Advantest Stock No.	Description					Note
C340	CCP-BA330P50V	FXD	CHIP	330pF	±10%	50V	
C341	CCK-CV100U25V	FXD	ELECT	100μF	±10%	25V	
C342	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C343 -355	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C356 -357	CCK-CX10U25V	FXD	ELECT	10μF	±10%	25V	
C358	CCP-BA68P50V	FXD	CHIP	68pF	±10%	50V	
C359	CCP-BA330P50V	FXD	CHIP	330pF	±10%	50V	
C360	CFM-AS2200P50V	FXD	FILM	2200pF	±10%	50V	
C361 -374	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C375	CCP-BA1000P50V	FXD	CHIP	1000pF	±10%	50V	
C376	CCK-CX220U10V	FXD	ELECT	220μF	±10%	10V	
C377 -381	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C382	CCP-BA27P50V	FXD	CHIP	27pF	±10%	50V	
C383	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C384	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C385 -388	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C389	CCP-BA220P50V	FXD	CHIP	220pF	±10%	50V	
C390	CMC-AP470PR3K	FXD	DIPPED MICA	470pF	±5%	300V	
C391	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C392	CSM-BC91P50V	FXD	CERAMIC	91pF	±5%	50V	
C400	CFM-AS1000P50V	FXD	FILM	1000pF	±10%	50V	
C401 -404	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C405	CCP-BA15P50V	FXD	CHIP	15pF	±10%	50V	
C406	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C407	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C408 -412	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C413	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C414 -421	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C422	CCP-BA100P50V	FXD	CHIP	100pF	±10%	50V	
C423	CCP-BA33P50V	FXD	CHIP	33pF	±10%	50V	
C424	CCP-BA100P50V	FXD	CHIP	100pF	±10%	50V	
C425 -435	CCP-BAR01U50V	FXD	CHIP	0.01μF	±10%	50V	
C436 -443	CCP-BBR1U50V	FXD	CHIP	0.1μF	+80%,-20%	50V	
C444	CSM-AGR1U50V	FXD	CERAMIC	0.1μF	±10%	50V	
C445 -446	CSM-AZ120P50V	FXD	CERAMIC	120pF	±10%	50V	
C447 -448	CSM-AZ68P50V	FXD	CERAMIC	68pF	±10%	50V	
D1 -4	SDS-1SS286	DIODE	SCHOTTKEY				
D7	SDS-LD1-3	DIODE	SI				
D8	SDS-1SS286	DIODE	SCHOTTKEY				
D10	SDS-1SS286	DIODE	SCHOTTKEY				

R3265/3271
LOG,A/D BLOCK
BLS-017013 (5 of 21)

Parts No.	Advantest Stock No.	Description	Note
D11	SDS-1SS101	DIODE SCHOTTKEY	
D12	SDS-1SS286	DIODE SCHOTTKEY	
D13	SDS-LD1-3	DIODE SI	
D15	SDZ-H2-5	DIODE ZENOR	
D16	SDS-1SS226	DIODE SI	
D17	SDZ-H2-5	DIODE ZENOR	
D18	SDZ-M051	DIODE CHIP ZENOR 5.1V	
D19	SDS-1SS226	DIODE SI	
D21	SDS-1SS226	DIODE SI	
D23 -26	SDZ-M100	DIODE CHIP ZENOR 10V	
D27	SDZ-M051	DIODE CHIP ZENOR 5.1V	
D28	SDS-1SS226	DIODE SI	
D31	SDZ-RD5R1P	DIODE CHIP ZENOR 5.1V	
D32 -36	SDS-1SS270	DIODE SI	
D37	SDS-1SV34	DIODE PIN	
D38 -42	SDS-1SS270	DIODE SI	
D43	SDS-1SS279	DIODE SI	
D44	SDS-1SV34	DIODE PIN	
D45	SDS-1SS270	DIODE SI	
D46	SDS-1SS279	DIODE SI	
D47 -49	SDS-1SS286	DIODE SCHOTTKEY	
D50 -51	SDS-1SS270	DIODE SI	
D52	SDS-LD1	DIODE SI	
D53 -55	SDS-1SS270	DIODE SI	
D56	SDS-LD1	DIODE SI	
D57	SDS-1SS270	DIODE SI	
D58 -59	SDZ-M051	DIODE CHIP ZENOR 5.1V	
D60 -61	SDZ-RD5R1P	DIODE CHIP ZENOR 5.1V	
D62 -69	SDS-1SS270	DIODE SI	
D70	SDS-1SV34	DIODE PIN	
D71 -74	SDS-1SS270	DIODE SI	
D76	SDZ-M120	DIODE CHIP ZENOR 12V	
D77	SDS-1SS270	DIODE SI	
D79	SDS-1SS270	DIODE SI	
D100	SDS-1SS226	DIODE SI	
D101 -102	SDS-1SS286	DIODE SCHOTTKEY	
FB1	DEE-001484-1	FERRITE BEAD	
J1	JCR-CA50PX01	CONNECTOR	
J2	JCR-CA64PX01	CONNECTOR	
J3	JCR-AV064PX02	CONNECTOR	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (6 of 21)

Parts No.	Advantest Stock No.	Description		Note
J4	JCS-BZ003PX02	CONNECTOR		
J5	JCS-DN002PX02-1	CONNECTOR		
J6	JCS-DN010PX02-1	CONNECTOR		
J7	JCS-DN002PX02-1	CONNECTOR		
J8	JCF-BF001JX02-1	CONNECTOR	UM	
J9	JCF-BF001JX01-1	CONNECTOR	UM	
J10	JCP-BH002PX02	CONNECTOR		
J11	JCI-DN008JX01	IC SOCKET		
J12	JCI-CR084JX01	IC SOCKET		
J21	JCI-DN008JX01	IC SOCKET		
JP10 -12	DMY-000934-1			
L1 -2	LCL-T00084A	COIL	(CUSTOM DEVICE)	
L13	LCL-B01024	COIL	330μH	
L14	LCL-C01185	COIL	(CUSTOM DEVICE)	
L15 -17	LCL-C00010-1	COIL	(CUSTOM DEVICE)	
L18	LCL-E00958	COIL	4.7μH	
L19	LCL-B01007	COIL	12μH	
L20	LCL-B01010	COIL	22μH	
L21	LCL-B01007	COIL	12μH	
L22	LCL-E00953	COIL	1.2μH	
L23 -24	LCL-C00010-1	COIL	(CUSTOM DEVICE)	
L25	LCL-T00084A	COIL	(CUSTOM DEVICE)	
L26	LCL-B01024	COIL	330μH	
L27	LCL-B01010	COIL	22μH	
L31	LCL-C00010	COIL	(CUSTOM DEVICE)	
Q1	SFM-SST215S	FET	MOS	
Q2	SFT-2N5564	DUAL FET	N-JUNCTION	
Q3	SFM-SST215S	FET	MOS	
Q4	SFT-2N5564	DUAL FET	N-JUNCTION	
Q5	SFT-A70	DUAL FET	N-JUNCTION	
Q6	SFM-SST215S	FET	MOS	
Q7	SFT-2N5564	DUAL FET	N-JUNCTION	
Q8	SFM-SST215S	FET	MOS	
Q9	SFT-A70	DUAL FET	N-JUNCTION	
Q10	STN-2SC2757	TRANSISTOR	NPN	
Q11	STP-2SA1204	TRANSISTOR	PNP	
Q12	STN-2SC2884	TRANSISTOR	NPN	
Q13	STP-2SA1204	TRANSISTOR	PNP	
Q14	STP-2SA1162	TRANSISTOR	PNP	
Q15	SFM-SST215S	FET	MOS	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (7 of 21)

Parts No.	Advantest Stock No.	Description	Note
Q16	STP-FN1A4P	TRANSISTOR PNP	
Q17	SFM-SST215S	FET MOS	
Q18	STN-FA1A4P	TRANSISTOR NPN	
Q19	STN-2SC2757	TRANSISTOR NPN	
Q31 -32	STN-2SC3356	TRANSISTOR NPN	
Q33 -34	STN-2SC2757	TRANSISTOR NPN	
Q35	STN-2SC3735B	TRANSISTOR NPN	
Q36 -46	STN-FA1A4P	TRANSISTOR NPN	
Q47	STN-FN1A4P	TRANSISTOR PNP	
Q49	STP-2SA1462	TRANSISTOR PNP	
Q50	STN-2SC2757	TRANSISTOR NPN	
Q51	STN-2SC3735B	TRANSISTOR NPN	
Q52	STP-2SA1462	TRANSISTOR PNP	
Q53	STT-MPQ6700	TRANSISTOR ARRAY	
Q54 -56	SFN-SST4859	FET N-JUNCTION	
Q57 -60	STN-2SC2712	TRANSISTOR NPN	
Q62 -63	STN-2SC2712	TRANSISTOR NPN	
Q64	STT-MPQ6700	TRANSISTOR ARRAY	
Q68	STN-2SC3356	TRANSISTOR NPN	
Q69 -70	STN-2SC2757	TRANSISTOR NPN	
Q71	STN-2SC2884	TRANSISTOR NPN	
Q72	STP-2SA1204	TRANSISTOR PNP	
Q73	STN-2SC2712	TRANSISTOR NPN	
Q74	STP-2SA1162	TRANSISTOR PNP	
Q75 -77	STN-2SC2712	TRANSISTOR NPN	
Q78	STP-2SA1162	TRANSISTOR PNP	
Q79	STN-2SC2712	TRANSISTOR NPN	
Q80	STN-2SC2884	TRANSISTOR NPN	
Q81	STN-2SC2757	TRANSISTOR NPN	
Q83	STN-FA1A4P	TRANSISTOR NPN	
Q84 -85	STN-2SC2712	TRANSISTOR NPN	
Q86	STN-2SC2884	TRANSISTOR NPN	
Q87 -91	STN-2SC2712	TRANSISTOR NPN	
Q92	STP-2SA1463	TRANSISTOR PNP	
Q93	STN-FA1A4P	TRANSISTOR NPN	
Q94	STP-FN1A4P	TRANSISTOR PNP	
Q95 -97	STN-2SC2712	TRANSISTOR NPN	
Q98 -99	STN-2SC2884	TRANSISTOR NPN	
Q100	STN-2SC2757	TRANSISTOR NPN	
Q101	STP-2SA1462	TRANSISTOR PNP	

Parts No.	Advantest Stock No.	Description					Note
Q102 -103	STN-2SC2712	TRANSISTOR	NPN				
Q104	STN-2SC2757	TRANSISTOR	NPN				
Q105	SFN-SST4393	FET	N-JUNCTION				
Q106	SFN-SST4859	FET	N-JUNCTION				
Q107	SFN-2N4859-18	FET	N-JUNCTION				
R1	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R2	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R3 -4	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R5 -6	RMF-TC18KFJ	FXD	METAL FLM	18Ω	±1%	1/4W	
R7	RMF-TC1KFJ	FXD	METAL FLM	1kΩ	±1%	1/4W	
R8	RMF-TC220QFJ	FXD	METAL FLM	220Ω	±1%	1/4W	
R9	RMF-TC1R5KFJ	FXD	METAL FLM	1.5kΩ	±1%	1/4W	
R10	RMF-TC150QFJ	FXD	METAL FLM	150Ω	±1%	1/4W	
R11	RVR-DR1K	VAR		1kΩ	±20%	1/2W	
R12	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R13	RMF-TC220QFJ	FXD	METAL FLM	220Ω	±1%	1/4W	
R14	RMF-TC1R5KFJ	FXD	METAL FLM	1.5kΩ	±1%	1/4W	
R15	RMF-TC150QFJ	FXD	METAL FLM	150Ω	±1%	1/4W	
R16	RVR-DR1K	VAR		1kΩ	±20%	1/2W	
R17	RCB-AG5R1K	FXD	CAR	5.1kΩ	±5%	1/6W	
R18	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R19	RCB-AG2R2K	FXD	CAR	2.2kΩ	±5%	1/6W	
R20	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R21 -22	RCB-AG180	FXD	CAR	180Ω	±5%	1/6W	
R24	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R25	RCB-AG2R2K	FXD	CAR	2.2kΩ	±5%	1/6W	
R26	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R27 -28	RCB-AG180	FXD	CAR	180Ω	±5%	1/6W	
R29 -30	RCB-AG47	FXD	CAR	47Ω	±5%	1/6W	
R31	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R33	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R34	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R35	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R36 -37	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R38	RCB-AG47	FXD	CAR	47Ω	±5%	1/6W	
R39	RMF-TC220QFJ	FXD	METAL FLM	220Ω	±1%	1/4W	
R40	RMF-TC1R5KFJ	FXD	METAL FLM	1.5kΩ	±1%	1/4W	
R41	RMF-TC150QFJ	FXD	METAL FLM	150Ω	±1%	1/4W	
R42	RVR-DR1K	VAR		1kΩ	±20%	1/2W	
R43	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (9 of 21)

Parts No.	Advantest Stock No.	Description					Note
R45	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R46	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R47	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R49 -50	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R51 -52	RCB-AG180	FXD	CAR	180Ω	±5%	1/6W	
R54	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R55	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R56	RMF-TC390QFJ	FXD	METAL FLM	390Ω	±1%	1/4W	
R57	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R58	RMF-TC1R5KFJ	FXD	METAL FLM	1.5kΩ	±1%	1/4W	
R59 -60	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R62	RMF-TC220QFJ	FXD	METAL FLM	220Ω	±1%	1/4W	
R63	RMF-TC1R8KFJ	FXD	METAL FLM	1.8kΩ	±1%	1/4W	
R64	RMF-TC180QFJ	FXD	METAL FLM	180Ω	±1%	1/4W	
R65	RCB-AG39K	FXD	CAR	39kΩ	±5%	1/6W	
R66	RCB-AG3R3K	FXD	CAR	3.3kΩ	±5%	1/6W	
R67	RVR-DR1K	VAR		1kΩ	±20%	1/2W	
R68	RMF-TC470QFJ	FXD	METAL FLM	470Ω	±1%	1/4W	
R69	RMF-TC22QFJ	FXD	METAL FLM	22Ω	±1%	1/4W	
R70	RMF-TC3R9KFJ	FXD	METAL FLM	3.9kΩ	±1%	1/4W	
R71	RMF-TC510QFJ	FXD	METAL FLM	510Ω	±1%	1/4W	
R72	RMF-TC18QFJ	FXD	METAL FLM	18Ω	±1%	1/4W	
R73	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R74	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R75 -77	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R78	RMF-TC47KFJ	FXD	METAL FLM	47kΩ	±1%	1/4W	
R79	RMF-TC620QFJ	FXD	METAL FLM	620Ω	±1%	1/4W	
R81	RCB-AG4R7K	FXD	CAR	4.7kΩ	±5%	1/6W	
R82	RMF-TC2KFJ	FXD	METAL FLM	2kΩ	±1%	1/4W	
R83	RMF-TC100QFJ	FXD	METAL FLM	100Ω	±1%	1/4W	
R84	RVR-DR500	VAR		500Ω	±20%	1/2W	
R85	RMF-TC51QFJ	FXD	METAL FLM	51Ω	±1%	1/4W	
R86	RMF-TC3R3KFJ	FXD	METAL FLM	3.3kΩ	±1%	1/4W	
R87	RMF-TC1KFJ	FXD	METAL FLM	1kΩ	±1%	1/4W	
R88	RMF-TC2R7KFJ	FXD	METAL FLM	2.7kΩ	±1%	1/4W	
R89	RMF-TC1KFJ	FXD	METAL FLM	1kΩ	±1%	1/4W	
R90	RMF-TC560QFJ	FXD	METAL FLM	560Ω	±1%	1/4W	
R91 -93	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R94	RMF-TC2KFJ	FXD	METAL FLM	2kΩ	±1%	1/4W	
R95	RMF-TC2R7KFJ	FXD	METAL FLM	2.7kΩ	±1%	1/4W	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (10 of 21)

Parts No.	Advantest Stock No.	Description					Note
R96	RCB-AG33K	FXD	CAR	33kΩ	±5%	1/6W	
R97	RMF-TC330QFJ	FXD	METAL FLM	330Ω	±1%	1/4W	
R98 -99	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R100	RMF-TC56QFJ	FXD	METAL FLM	56Ω	±1%	1/4W	
R101	RMF-TC100QFJ	FXD	METAL FLM	100Ω	±1%	1/4W	
R102	RCB-AG820	FXD	CAR	820Ω	±5%	1/6W	
R103	RMF-TC15QFJ	FXD	METAL FLM	15Ω	±1%	1/4W	
R104	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R105	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	
R106	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R109	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	
R110	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R111	RVR-DF5K	VAR		5kΩ	±20%	1/2W	
R112	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	
R113	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R114	RCB-AG3R3K	FXD	CAR	3.3kΩ	±5%	1/6W	
R115	RAY-TL3R3K4	RA		3.3kΩ			
R116	RCB-AG3R9K	FXD	CAR	3.9kΩ	±5%	1/6W	
R118	RMF-TC2R7KFJ	FXD	METAL FLM	2.7kΩ	±1%	1/4W	
R119	RMF-TC33QFJ	FXD	METAL FLM	33Ω	±1%	1/4W	
R120	RMF-TC2KFJ	FXD	METAL FLM	2kΩ	±1%	1/4W	
R121	RVR-DF50K	VAR		50kΩ	±20%	1/2W	
R122	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R123	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R124	RCB-AG150	FXD	CAR	150Ω	±5%	1/6W	
R125	RCB-AG220	FXD	CAR	220Ω	±5%	1/6W	
R126	RAY-AL4R7K6	RA		4.7kΩ			
R131	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R134	RCB-AG220	FXD	CAR	220Ω	±5%	1/6W	
R135	RCB-AG1R5K	FXD	CAR	1.5kΩ	±5%	1/6W	
R136	RCB-AG470K	FXD	CAR	470kΩ	±5%	1/6W	
R137	RCB-AG15K	FXD	CAR	15kΩ	±5%	1/6W	
R138	RCB-AG5R1K	FXD	CAR	5.1kΩ	±5%	1/6W	
R139	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	
R140	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R141 -142	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	
R143	RCB-AG3R9K	FXD	CAR	3.9kΩ	±5%	1/6W	
R144 -145	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R146	RCB-AG680	FXD	CAR	680Ω	±5%	1/6W	
R149	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	

Parts No.	Advantest Stock No.	Description					Note
R150	RCB-AG150	FXD	CAR	150Ω	±5%	1/6W	
R151 -152	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R153	RCB-AG680K	FXD	CAR	680Ω	±5%	1/6W	
R155	RMF-TC3R9KFJ	FXD	METAL FLM	3.9kΩ	±1%	1/4W	
R156	RMF-TC1R5KFJ	FXD	METAL FLM	1.5kΩ	±1%	1/4W	
R157	RVR-DR1K	VAR		1kΩ	±20%	1/2W	
R158	RMF-TC1R2KFJ	FXD	METAL FLM	1.2kΩ	±1%	1/4W	
R159	RMF-TC51QFJ	FXD	METAL FLM	51Ω	±1%	1/4W	
R160	RMF-TC1KFJ	FXD	METAL FLM	1kΩ	±1%	1/4W	
R161	RMF-TC10KFJ	FXD	METAL FLM	10kΩ	±1%	1/4W	
R162	RMF-TC2KFJ	FXD	METAL FLM	2kΩ	±1%	1/4W	
R163	RMF-TC6R8KFJ	FXD	METAL FLM	6.8kΩ	±1%	1/4W	
R164	RMF-TC1R2KFJ	FXD	METAL FLM	1.2kΩ	±1%	1/4W	
R165	RMF-TC2KFJ	FXD	METAL FLM	2kΩ	±1%	1/4W	
R166 -167	RCB-AG1R8K	FXD	CAR	1.8kΩ	±5%	1/6W	
R168 -169	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R170	RCB-AG18K	FXD	CAR	18kΩ	±5%	1/6W	
R171	RCB-AG4R7K	FXD	CAR	4.7kΩ	±5%	1/6W	
R172	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R173	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R176	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R177	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R178	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R179	RAY-TL10K4	RA		10kΩ			
R180	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R182	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R184	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R186	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R187	RAY-TL10K4	RA		10kΩ			
R188	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R190	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R192	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R193	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R194	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R195 -196	RCB-AG10	FXD	CAR	10Ω	±5%	1/6W	
R197 -199	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R200	RMF-TC100KFJ	FXD	METAL FLM	100kΩ	±1%	1/4W	
R202	RCB-AG51	FXD	CAR	51Ω	±5%	1/6W	
R203 -204	RCB-AG6R8K	FXD	CAR	6.8kΩ	±5%	1/6W	
R205	RCB-AG27	FXD	CAR	27Ω	±5%	1/6W	

Parts No.	Advantest Stock No.	Description				Note
R206	RCB-AG180	FXD	CAR	180Ω	±5% 1/6W	
R207	RCB-AG220	FXD	CAR	220Ω	±5% 1/6W	
R208	REE-AT202S100	METAL FLM		100Ω	2000ppm/°C 1/8W	
R209	RCB-AG180	FXD	CAR	180Ω	±5% 1/6W	
R210	RCP-AH100	FXD	CHIP	100Ω	±5% 1/8W	
R211	RCB-AG820	FXD	CAR	820Ω	±5% 1/6W	
R212	REE-AT202S1K	METAL FLM		1kΩ	2000ppm/°C 1/8W	
R213	RMF-BJ390QFK	FXD	METAL FLM	390Ω	±1% 1/8W	
R214	RMF-BJ180QFK	FXD	METAL FLM	180Ω	±1% 1/8W	
R215	RCP-AH56	FXD	CHIP	56Ω	±5% 1/8W	
R216 -218	RCB-AG56	FXD	CAR	56Ω	±5% 1/6W	
R219 -222	RCB-AG820	FXD	CAR	820Ω	±5% 1/6W	
R223 -227	RCB-AG100K	FXD	CAR	100kΩ	±5% 1/6W	
R228 -229	RCP-AH10K	FXD	CHIP	10kΩ	±5% 1/8W	
R230	RCB-AG330	FXD	CAR	330Ω	±5% 1/6W	
R231	RCP-AH1R5K	FXD	CHIP	1.5kΩ	±5% 1/8W	
R232	RCP-AH47	FXD	CHIP	47Ω	±5% 1/8W	
R233	RCB-AG2R2K	FXD	CAR	2.2kΩ	±5% 1/6W	
R234	RCB-AG220	FXD	CAR	220Ω	±5% 1/6W	
R235 -236	RCB-AG10K	FXD	CAR	10kΩ	±5% 1/6W	
R237	RCB-AG27	FXD	CAR	27Ω	±5% 1/6W	
R238	RCP-AH390	FXD	CHIP	390Ω	±5% 1/8W	
R239	RVR-DT500	VAR		500Ω	±20% 1/2W	
R240	RCB-AG470	FXD	CAR	470Ω	±5% 1/6W	
R241 -245	RCB-AG56	FXD	CAR	56Ω	±5% 1/6W	
R246 -250	RCB-AG820	FXD	CAR	820Ω	±5% 1/6W	
R251 -255	RCB-AG100K	FXD	CAR	100kΩ	±5% 1/6W	
R257	RMF-BJ470QFK	FXD	METAL FLM	470Ω	±1% 1/8W	
R258	RCB-AG820	FXD	CAR	820Ω	±5% 1/6W	
R259	RCB-AG390	FXD	CAR	390Ω	±5% 1/6W	
R260	RMF-BJ27QFK	FXD	METAL FLM	27Ω	±1% 1/8W	
R261	RMF-BJ100QFK	FXD	METAL FLM	100Ω	±1% 1/8W	
R262	RMF-BJ100KFK	FXD	METAL FLM	100kΩ	±1% 1/8W	
R263 -264	RCB-AG3R9K	FXD	CAR	3.9kΩ	±5% 1/6W	
R265	REE-AV220	METAL FLM		220Ω	2000ppm/°C 1/8W	
R269	RCP-AH100	FXD	CHIP	100Ω	±5% 1/8W	
R270	RCP-AH47K	FXD	CHIP	47kΩ	±5% 1/8W	
R271	RCP-AH100K	FXD	CHIP	100kΩ	±5% 1/8W	
R272	RCB-AG820	FXD	CAR	820Ω	±5% 1/6W	
R273	RCB-AG100	FXD	CAR	100Ω	±5% 1/6W	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (13 of 21)

Parts No.	Advantest Stock No.	Description					Note
R276	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R277	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R278	RCB-AG560	FXD	CAR	560Ω	±5%	1/6W	
R279	RCB-AG27	FXD	CAR	27Ω	±5%	1/6W	
R280	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R281	RCB-AG10	FXD	CAR	10Ω	±5%	1/6W	
R282	RCB-AG560	FXD	CAR	560Ω	±5%	1/6W	
R283 -284	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	
R285	RCP-AM18K	FXD	CHIP	18kΩ	±1%	1/8W	
R286 -287	RMF-BJ100QFK	FXD	METAL FLM	100Ω	±1%	1/8W	
R288	RCP-AM470Q	FXD	CHIP	470Ω	±1%	1/8W	
R290	RMF-BJ680KFK	FXD	METAL FLM	680kΩ	±1%	1/8W	
R291	RMF-BJ390KFK	FXD	METAL FLM	390kΩ	±1%	1/8W	
R292	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R293	RMF-BJ390QFK	FXD	METAL FLM	390Ω	±1%	1/8W	
R294 -296	RCB-AG100K	FXD	CAR	100kΩ	±5%	1/6W	
R297 -300	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R301 -304	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R305 -306	RCP-AM5R6K	FXD	CHIP	5.6kΩ	±1%	1/8W	
R307 -308	RCB-AG47K	FXD	CAR	47kΩ	±5%	1/6W	
R309	RMF-BJ1R5KFK	FXD	METAL FLM	1.5kΩ	±1%	1/8W	
R312	RMF-BJ330QFK	FXD	METAL FLM	330Ω	±1%	1/8W	
R313	RMF-BJ120QFK	FXD	METAL FLM	120Ω	±1%	1/8W	
R314	RMF-BJ1R8KFK	FXD	METAL FLM	1.8kΩ	±1%	1/8W	
R315	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R317 -318	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R321	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R322	RCP-AM7R5K	FXD	CHIP	7.5kΩ	±1%	1/8W	
R323	RVR-DF1K	VAR		1kΩ	±20%	1/2W	
R324	RCP-AM5R6K	FXD	CHIP	5.6kΩ	±1%	1/8W	
R325	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	
R326	RCP-AM390Q	FXD	CHIP	390Ω	±1%	1/8W	
R327	RMF-BJ7R5KFK	FXD	METAL FLM	7.5kΩ	±1%	1/8W	
R328	RCP-AM5R6K	FXD	CHIP	5.6kΩ	±1%	1/8W	
R329	RCP-AM390Q	FXD	CHIP	390Ω	±1%	1/8W	
R330	RMF-BJ7R5KFK	FXD	METAL FLM	7.5kΩ	±1%	1/8W	
R331	RCP-AM5R6K	FXD	CHIP	5.6kΩ	±1%	1/8W	
R332	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R333	RCB-AG680	FXD	CAR	680Ω	±5%	1/6W	
R334	RCP-AH1M	FXD	CHIP	1MΩ	±5%	1/8W	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (14 of 21)

Parts No.	Advantest Stock No.	Description					Note
R335	RCP-AH820K	FXD	CHIP	820kΩ	±5%	1/8W	
R336	RCP-AH680K	FXD	CHIP	680kΩ	±5%	1/8W	
R337	RCB-AG2R2K	FXD	CAR	2.2kΩ	±5%	1/6W	
R338	RCP-AH100K	FXD	CHIP	100kΩ	±5%	1/8W	
R339	RMF-BJ270QFK	FXD	METAL FLM	270Ω	±1%	1/8W	
R340	RMF-BJ22KFK	FXD	METAL FLM	22kΩ	±1%	1/8W	
R341	RCP-AH15K	FXD	CHIP	15kΩ	±5%	1/8W	
R342	RCP-AH27K	FXD	CHIP	27kΩ	±5%	1/8W	
R343	RCB-AG27K	FXD	CAR	27kΩ	±5%	1/6W	
R344	RCP-AH15K	FXD	CHIP	15kΩ	±5%	1/8W	
R345	RMF-BJ180QFK	FXD	METAL FLM	180Ω	±1%	1/8W	
R346	RMF-BJ1R8KFK	FXD	METAL FLM	1.8kΩ	±1%	1/8W	
R347	RMF-BJ68KFK	FXD	METAL FLM	68kΩ	±1%	1/8W	
R348	RCP-AM1K	FXD	CHIP	1kΩ	±1%	1/8W	
R349	RMF-BJ33KFK	FXD	METAL FLM	33kΩ	±1%	1/8W	
R350	RMF-BJ1MFK	FXD	METAL FLM	1MΩ	±1%	1/8W	
R351	RCP-AM100K	FXD	CHIP	100kΩ	±1%	1/8W	
R352	RCP-AM6R8K	FXD	CHIP	6.8kΩ	±1%	1/8W	
R353	REE-AR510	METAL FLM		510Ω	3300ppm/°C	1/4W	
R354	RCP-AH3R9K	FXD	CHIP	3.9kΩ	±5%	1/8W	
R355	RCP-AM12K	FXD	CHIP	12kΩ	±1%	1/8W	
R356	RMF-BJ1R5KFK	FXD	METAL FLM	1.5kΩ	±1%	1/8W	
R357 -358	RCP-AH22	FXD	CHIP	22Ω	±5%	1/8W	
R359	RMF-BJ82KFK	FXD	METAL FLM	82kΩ	±1%	1/8W	
R360	RCP-AM6R8K	FXD	CHIP	6.8kΩ	±1%	1/8W	
R361	RCP-AM1R2K	FXD	CHIP	1.2kΩ	±1%	1/8W	
R362	RCP-AM15K	FXD	CHIP	15kΩ	±1%	1/8W	
R363	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R364	RCB-AG1R5K	FXD	CAR	1.5kΩ	±5%	1/6W	
R365	RCB-AG100K	FXD	CAR	100kΩ	±5%	1/6W	
R367	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R369	RCB-AG1M	FXD	CAR	1MΩ	±5%	1/6W	
R370	RCB-AG27	FXD	CAR	27Ω	±5%	1/6W	
R371	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R372	RCB-AG5R1K	FXD	CAR	5.1kΩ	±5%	1/6W	
R373	RCP-AH390	FXD	CHIP	390Ω	±5%	1/8W	
R374	RCP-AH5R6K	FXD	CHIP	5.6kΩ	±5%	1/8W	
R375	RCB-AG10	FXD	CAR	10Ω	±5%	1/6W	
R376	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R377	RCP-AH10K	FXD	CHIP	10kΩ	±5%	1/8W	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (15 of 21)

Parts No.	Advantest Stock No.	Description					Note
R378	RCB-AG560	FXD	CAR	560Ω	±5%	1/6W	
R379	RCB-AG51	FXD	CAR	51Ω	±5%	1/6W	
R380 -381	RCB-AG3R9K	FXD	CAR	3.9kΩ	±5%	1/6W	
R382	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R383	RCB-AG2R2K	FXD	CAR	2.2kΩ	±5%	1/6W	
R384	RCP-AH1M	FXD	CHIP	1MΩ	±5%	1/8W	
R385	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R386	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R387	RCB-AG33K	FXD	CAR	33kΩ	±5%	1/6W	
R388	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R389	RCB-AG56K	FXD	CAR	56kΩ	±5%	1/6W	
R390 -391	RCP-AH12K	FXD	CHIP	12kΩ	±5%	1/8W	
R392	RCP-AH1M	FXD	CHIP	1MΩ	±5%	1/8W	
R393	RCB-AG390	FXD	CAR	390Ω	±5%	1/6W	
R394 -395	RCB-AG5R6K	FXD	CAR	5.6kΩ	±5%	1/6W	
R396	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R397	RMF-BJ39KFK	FXD	METAL FLM	39kΩ	±1%	1/8W	
R398	RMF-BJ33KFK	FXD	METAL FLM	33kΩ	±1%	1/8W	
R399	RCP-AM22K	FXD	CHIP	22kΩ	±1%	1/8W	
R400 -401	RMF-BJ33KFK	FXD	METAL FLM	33kΩ	±1%	1/8W	
R402	RMF-BJ100KFK	FXD	METAL FLM	100kΩ	±1%	1/8W	
R403	RMF-BJ47KFK	FXD	METAL FLM	47kΩ	±1%	1/8W	
R404	RCP-AM10K	FXD	CHIP	10kΩ	±1%	1/8W	
R405	RCP-AM3R3K	FXD	CHIP	3.3kΩ	±1%	1/8W	
R406	RMF-BJ22KFK	FXD	METAL FLM	22kΩ	±1%	1/8W	
R407	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	
R408	RMF-BJ47KFK	FXD	METAL FLM	47kΩ	±1%	1/8W	
R409	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	
R410	RMF-BJ15KFK	FXD	METAL FLM	15kΩ	±1%	1/8W	
R411 -413	RMF-BJ150KFK	FXD	METAL FLM	150kΩ	±1%	1/8W	
R414	RMF-BJ100KFK	FXD	METAL FLM	100kΩ	±1%	1/8W	
R415 -416	RMF-BJ150KFK	FXD	METAL FLM	150kΩ	±1%	1/8W	
R417	RMF-BJ33KFK	FXD	METAL FLM	33kΩ	±1%	1/8W	
R418	RMF-BJ27KFK	FXD	METAL FLM	27kΩ	±1%	1/8W	
R419 -420	RMF-BJ100KFK	FXD	METAL FLM	100kΩ	±1%	1/8W	
R421	RMF-BJ39KFK	FXD	METAL FLM	39kΩ	±1%	1/8W	
R422	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R423	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	
R424	RMF-BJ12KFK	FXD	METAL FLM	12kΩ	±1%	1/8W	
R425	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (16 of 21)

Parts No.	Advantest Stock No.	Description					Note
R426	RMF-BJ15KFK	FXD	METAL FLM	15kΩ	±1%	1/8W	
R427	RCB-AG12K	FXD	CAR	12kΩ	±5%	1/6W	
R428	RCB-AG3R3K	FXD	CAR	3.3kΩ	±5%	1/6W	
R429 -430	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	
R431	RCP-AH33K	FXD	CHIP	33kΩ	±5%	1/8W	
R432	RCB-AG2R2K	FXD	CAR	2.2kΩ	±5%	1/6W	
R433	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R434 -435	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R436	RCB-AG56	FXD	CAR	56Ω	±5%	1/6W	
R437	RCB-AG100K	FXD	CAR	100kΩ	±5%	1/6W	
R438	RCP-AH100	FXD	CHIP	100Ω	±5%	1/8W	
R439	DSP-000017	THERMISTOR				1/8W	
R440	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R441	RCB-AG100K	FXD	CAR	100kΩ	±5%	1/6W	
R442	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R443	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R450	RCP-AH120	FXD	CHIP	120Ω	±5%	1/8W	
R451	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R452	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R453	RMF-BJ68KFK	FXD	METAL FLM	68kΩ	±1%	1/8W	
R455	RCP-AM22K	FXD	CHIP	22kΩ	±1%	1/8W	
R456	RMF-BJ2R2KFK	FXD	METAL FLM	2.2kΩ	±1%	1/8W	
R457	RMF-BJ5R6KFK	FXD	METAL FLM	5.6kΩ	±1%	1/8W	
R458	RMF-BJ22KFK	FXD	METAL FLM	22kΩ	±1%	1/8W	
R459	RMF-BJ18KFK	FXD	METAL FLM	18kΩ	±1%	1/8W	
R460	RCP-AM5R6K	FXD	CHIP	5.6kΩ	±1%	1/8W	
R461	RMF-BJ4R7KFK	FXD	METAL FLM	4.7kΩ	±1%	1/8W	
R462	RCP-AM4R7K	FXD	CHIP	4.7kΩ	±1%	1/8W	
R463 464	RMF-BJ22KFK	FXD	METAL FLM	22kΩ	±1%	1/8W	
R465	REE-AT10K	METAL FLM		10kΩ	1400ppm/°C	1/8W	
R466	RMF-BJ56KFK	FXD	METAL FLM	56kΩ	±1%	1/8W	
R467	RCP-AM5R6K	FXD	CHIP	5.6kΩ	±1%	1/8W	
R468	RCP-AH390	FXD	CHIP	390Ω	±5%	1/8W	
R469	RCP-AM3R3K	FXD	CHIP	3.3kΩ	±1%	1/8W	
R470	RCB-AG22K	FXD	CAR	22kΩ	±5%	1/6W	
R471	RMF-BJ3R3KFK	FXD	METAL FLM	3.3kΩ	±1%	1/8W	
R472	RMF-BJ2R2KFK	FXD	METAL FLM	2.2kΩ	±1%	1/8W	
R473	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R474 -475	RMF-BJ2R2KFK	FXD	METAL FLM	2.2kΩ	±1%	1/8W	
R476	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	

Parts No.	Advantest Stock No.	Description					Note
R477 -478	RCB-AG330	FXD	CAR	330Ω	±5%	1/6W	
R479	RCP-AH560	FXD	CHIP	560Ω	±5%	1/8W	
R480	RCB-AG2R2K	FXD	CAR	2.2kΩ	±5%	1/6W	
R481	RCP-AH220	FXD	CHIP	220Ω	±5%	1/8W	
R482	RCB-AG47K	FXD	CAR	47kΩ	±5%	1/6W	
R483 -485	RMF-BJ2R2KFK	FXD	METAL FLM	2.2kΩ	±1%	1/8W	
R486 -487	RMF-BJ1KFK	FXD	METAL FLM	1kΩ	±1%	1/8W	
R488	RMF-BJ220QFK	FXD	METAL FLM	220Ω	±1%	1/8W	
R489	RVR-DF500	VAR		550Ω	±20%	1/2W	
R490	RCB-AG8R2K	FXD	CAR	8.2kΩ	±5%	1/6W	
R491	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/6W	
R492	RCB-AG330	FXD	CAR	330Ω	±5%	1/6W	
R493	RCP-AH100	FXD	CHIP	100Ω	±5%	1/8W	
R494	RCB-AG100	FXD	CAR	100Ω	±5%	1/6W	
R495	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	
R496	RCP-AJ220	CHIP		220Ω	±5%	1/10W	
R497	RCB-AG100K	FXD	CAR	100kΩ	±5%	1/6W	
R498	RMF-BJ8R2KFK	FXD	METAL FLM	8.2kΩ	±1%	1/8W	
R499	RMF-BJ470KFK	FXD	METAL FLM	470kΩ	±1%	1/8W	
R500	RCB-AG68K	FXD	CAR	68kΩ	±5%	1/6W	
R501	RMF-BJ1R2KFK	FXD	METAL FLM	1.2kΩ	±1%	1/8W	
R502	REE-AT10K	METAL FLM		10kΩ	1400ppm/°C	1/8W	
R503	RCP-AM5R6K	FXD	CHIP	5.6kΩ	±1%	1/8W	
R504	RMF-BJ8R2KFK	FXD	METAL FLM	8.2kΩ	±1%	1/8W	
R505	RMF-BJ100QFK	FXD	METAL FLM	100Ω	±1%	1/8W	
R506	RMF-BJ1R8KFK	FXD	METAL FLM	1.8kΩ	±1%	1/8W	
R507	RCP-AM390Q	FXD	CHIP	390Ω	±1%	1/8W	
R508	RMF-BJ10KFK	FXD	METAL FLM	10kΩ	±1%	1/8W	
R509	RMF-BJ27KFK	FXD	METAL FLM	27kΩ	±1%	1/8W	
R510	RCP-AM10K	FXD	CHIP	10kΩ	±1%	1/8W	
R511	RMF-BJ68KFK	FXD	METAL FLM	68kΩ	±1%	1/8W	
R514	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	
R515	RCB-AG100K	FXD	CAR	100kΩ	±5%	1/6W	
R516	RCB-AG27	FXD	CAR	27Ω	±5%	1/6W	
R517	RCB-AG47	FXD	CAR	47Ω	±5%	1/6W	
R518	RMF-BJ12KFK	FXD	METAL FLM	12kΩ	±1%	1/8W	
R519	RCP-AM56K	FXD	CHIP	56kΩ	±1%	1/8W	
R520 -521	RCP-AM10K	FXD	CHIP	10kΩ	±1%	1/8W	
R522 -523	RCP-AH33K	FXD	CHIP	33kΩ	±5%	1/8W	
R524 -525	RCP-AH820	FXD	CHIP	820Ω	±5%	1/8W	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (18 of 21)

Parts No.	Advantest Stock No.	Description					Note
R526 -527	RCP-AH15	FXD	CHIP	15Ω	±5%	1/8W	
R528	RMF-BJ33KFK	FXD	METAL FLM	33kΩ	±1%	1/8W	
R529	RMF-BJ4R7KFK	FXD	METAL FLM	4.7kΩ	±1%	1/8W	
R530	RCP-AM2R7K	FXD	CHIP	2.7kΩ	±1%	1/8W	
R531 -533	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R534	RCP-AM3R9K	FXD	CHIP	3.9kΩ	±1%	1/8W	
R535	RMF-BJ910QFK	FXD	METAL FLM	910Ω	±1%	1/8W	
R536	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R537	RCP-AM3R9K	FXD	CHIP	3.9kΩ	±1%	1/8W	
R538 -539	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R540	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R541 -542	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R543	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R544	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R545 -546	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R547	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R548	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R549 -550	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R551	RMF-BJ3R9KFK	FXD	METAL FLM	3.9kΩ	±1%	1/8W	
R552	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R553	RCP-AM910Q	FXD	CHIP	910Ω	±1%	1/8W	
R554	RMF-BJ680QFK	FXD	METAL FLM	680Ω	±1%	1/8W	
R555	RMF-BJ910QFK	FXD	METAL FLM	910Ω	±1%	1/8W	
R601	RMF-TC39KFJ	FXD	METAL FLM	39kΩ	±1%	1/4W	
R602	RMF-TC100QFJ	FXD	METAL FLM	100Ω	±1%	1/4W	
R603	RMF-TC390QFJ	FXD	METAL FLM	390Ω	±1%	1/4W	
R604	RMF-AC68QFJ	FXD	METAL FLM	68Ω	±1%	1/4W	
R605	RMF-TC560QFJ	FXD	METAL FLM	560Ω	±1%	1/4W	
R609	RCB-AG68	FXD	CAR	68Ω	±5%	1/6W	
R610	RCB-AG5R1K	FXD	CAR	5.1kΩ	±5%	1/6W	
R611	RMF-TC180QFJ	FXD	METAL FLM	180Ω	±1%	1/4W	
R612	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/6W	
R613	RCB-AG4R7K	FXD	CAR	4.7kΩ	±5%	1/6W	
R1006	RMF-TC2R2KFJ	FXD	METAL FLM	2.2kΩ	±1%	1/4W	
R1008-1009	RMF-TC2R2KFJ	FXD	METAL FLM	2.2kΩ	±1%	1/4W	
R1010	RCB-AG47	FXD	CAR	47Ω	±5%	1/6W	
R1012	RCB-AG47	FXD	CAR	47Ω	±5%	1/6W	
R1016-1017	RCB-AG47	FXD	CAR	47Ω	±5%	1/6W	
R1019	RCB-AG4R7K	FXD	CAR	4.7kΩ	±5%	1/6W	
R1023	RCB-AG470	FXD	CAR	470Ω	±5%	1/6W	

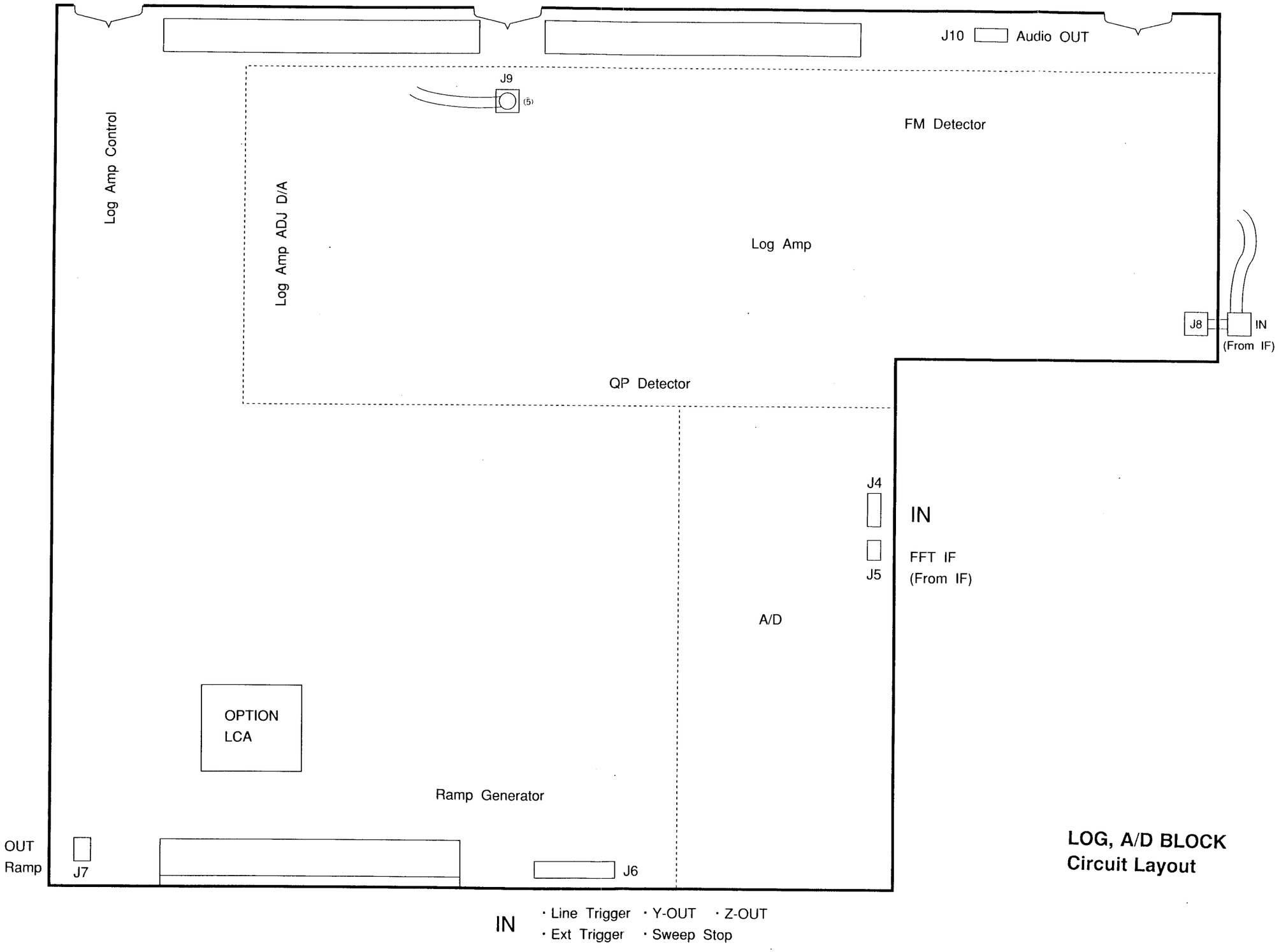
Parts No.	Advantest Stock No.	Description	Note
R1024-1028	RCB-AG1R5K	FXD CAR 1.5kΩ ±5% 1/6W	
R1029	RCB-AG100	FXD CAR 100Ω ±5% 1/6W	
R1030	RCB-AG33K	FXD CAR 33kΩ ±5% 1/6W	
R1031	RCB-AG680K	FXD CAR 680kΩ ±5% 1/6W	
R1032	RCB-AG1M	FXD CAR 1MΩ ±5% 1/6W	
R1033	RCB-AG270K	FXD CAR 270kΩ ±5% 1/6W	
R1034	RCB-AG10K	FXD CAR 10kΩ ±5% 1/6W	
R1035	RCB-AG3R9K	FXD CAR 3.9kΩ ±5% 1/6W	
R1036	RCB-AG680K	FXD CAR 680kΩ ±5% 1/6W	
R1037	RCB-AG100K	FXD CAR 100kΩ ±5% 1/6W	
R1038	RCB-AG10K	FXD CAR 10kΩ ±5% 1/6W	
R1039	RCB-AG22K	FXD CAR 22kΩ ±5% 1/6W	
TP1 -5	MBM-10372A		
TP11 -27	MBM-10372A		
U1	SIA-DG408A	8 CHANNEL ANALOG MULTIPLEXERS	
U2	SIA-OP42FZ	OP AMP JFET GBW = 10MHZ	
U3	SHB-003195	HYBRID POSI-PEAK DETECTOR	
U4	SIA-DG201	QUAD ANALOG SWITCHES	
U5	SIA-TL072	OP AMP DUAL LOW NOISE	
U6	SHB-003195	HYBRID POSI-PEAK DETECTOR	
U7	SIA-DG411	QUAD ANALOG SWITCHES	
U8	SHB-003195	HYBRID POSI-PEAK DETECTOR	
U9 -10	SHB-003196	HYBRID NEGA-PEAK DETECTOR	
U11	SIA-OP27GD	OP AMP	
U12	SIA-DG201	QUAD ANALOG SWITCHES	
U13	SIA-5320	SAMPLE AND HOLD	
U14	SIA-OP42FZ	OP AMP JFET GBW = 10MHZ	
U15	SIA-5016*JP16	16BIT A/D CONVERTER	
U16 -17	SIM-74HC574	OCTAL D FLIP-FLOPS	
U18	SIM-74HC04	HEX INVERTERS	
U19	SIM-74HC86	QUAD 2-INPUT EXCLUSIVE-OR	
U20	SIM-3042*70CS	LOGIC CELL ARRAY	
U21	SMM-1736APD8C	SERIAL PROM	
U22	SIA-6361	OP AMP	
U23	SIA-40578	8 BIT A/D CONVERTER	
U24	SIT-74F374	OCTAL D FLIP-FLOPS	
U25	SMM-2018C-2	SRAM	
U26	SIT-74F245	OCTAL BUS TRANSCEIVERS WITH 3 STATE OUTPUT	
U27	SIA-TL072	OP AMP DUAL LOW NOISE	
U28	DXC-001933	X TAL	

R3265/3271
LOG,A/D BLOCK
BLS-017013 (20 of 21)

Parts No.	Advantest Stock No.	Description	Note
U29	SIM-74HC157	QUAD 2 TO 1 - LINE DATA SELECTORS	
U30	SIM-74HC74	DUAL D FLIP-FLOPS WITH PRESET AND CLEAR	
U31	SIM-74HC157	QUAD 2 TO 1 - LINE DATA SELECTORS	
U34	SIA-TL072	OP AMP DUAL LOW NOISE	
U35 -36	SIA-311N	COMPARATOR	
U41	SIA-339	QUAD COMPARATORS	
U42	SIT-74F157	QUAD 2 TO 1 - LINE DATA SELECTORS	
U43	SIM-653820U	GATE ARRAY	
U44	SIA-DAC703J	16 BIT D/A CONVERTER	
U45	SIA-TL072	OP AMP DUAL LOW NOISE	
U47	SIM-74HC04	HEX INVERTERS	
U48	SIA-6361	OP AMP	
U49	SIA-319N	DUAL COMPARATORS	
U50	SIM-74HC107	DUAL J-K FLIP-FLOPS WITH CLEAR	
U51	SIA-TL072	OP AMP DUAL LOW NOISE	
U53	SIT-LM1881N	VIDEO SYNC SEPARATOR	
U54	SIA-393	COMPARATOR DUAL LOW NOISE LOW OFFSET	
U55	SIA-TL074	OP AMP QUAD LOW NOISE	
U56	SIA-79L05	VOLTAGE PEGULATOR	
U57	SIM-74HC107	DUAL J-K FLIP-FLOPS WITH CLEAR	
U58	SIM-74HC74	DUAL D FLIP-FLOPS WITH PRESET AND CLEAR	
U59	SIM-74HC107	DUAL J-K FLIP-FLOPS WITH CLEAR	
U60	SIM-74HC08	QUAD 2-INPUT POSI-AND	
U61	SIT-74F157	QUAD 2 TO 1 - LINE DATA SELECTORS	
U62	SIT-74F161	4 BIT BINARY COUNTERS	
U64	SIM-74HC107	DUAL J-K FLIP-FLOPS WITH CLEAR	
U65	SIT-74F157	QUAD 2 TO 1 - LINE DATA SELECTORS	
U68	SIT-74F157	QUAD 2 TO 1 - LINE DATA SELECTORS	
U72	SIM-74HC08	QUAD 2-INPUT POSI-AND	
U73 -75	SIM-74HC574	OCTAL D FLIP-FLOPS	
U76	SIT-74F161	4 BIT BINARY COUNTERS	
U78	SIT-74F161	4 BIT BINARY COUNTERS	
U81	SIA-DA7226HP	8 BIT D/A CONVERTER QUAD	
U82	SIA-TL074	OP AMP QUAD LOW NOISE	
U83	SIA-DA7226HP	8 BIT D/A CONVERTER QUAD	
U84	SIA-TL074	OP AMP QUAD LOW NOISE	
U85	SIA-311N	COMPARATOR	
U87	SIM-74HC32	QUAD 2-INPUT OR-GATE	
U88	SIM-74HC86	QUAD 2-INPUT EXCLUSIVE-OR	
U101	SHB-003065-1	HYBRID LOG AMPLIFIBR	

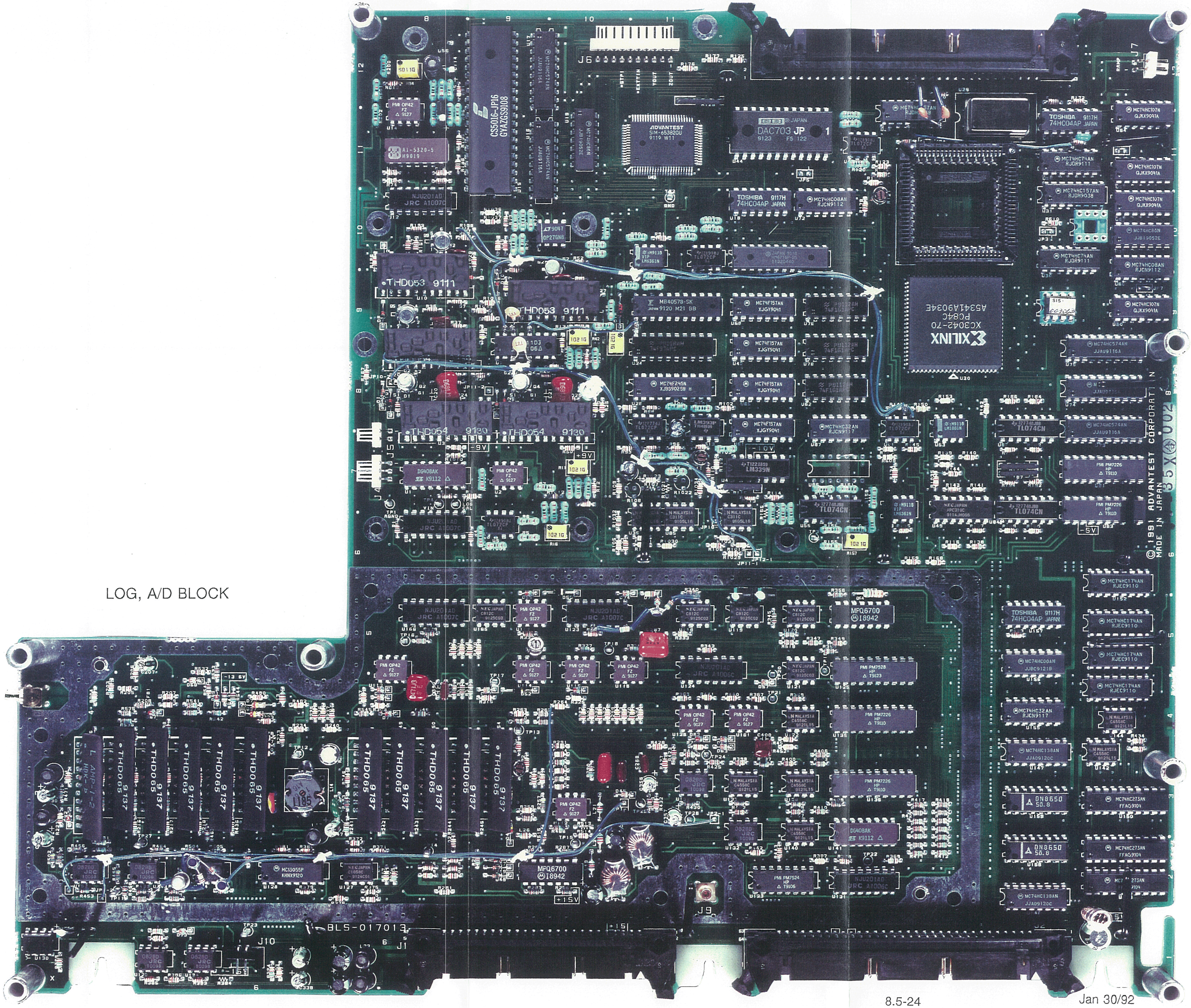
R3265/3271
LOG,A/D BLOCK
BLS-017013 (21 of 21)

Parts No.	Advantest Stock No.	Description	Note
U102 -111	SHB-003064-1	HYBRID LOG AMPLIFIBR	
U112 -117	SIA-OP42FZ	OP AMP JFET GBW = 10MHZ	
U118 -121	SIA-812	OP AMP DUAL LOW OFFSET JFET	
U122	SIA-4558	OP AMP DUAL	
U123 -124	SIA-DG201	QUAD ANALOG SWITCHES	
U125	SIA-DA7528-4	8 BIT D/A CONVERTER DUAL	
U126	SIA-OP42FZ	OP AMP JFET GBW = 10MHZ	
U127	SIA-1658	VIDEO AMP	
U128	SIA-13055	FM DETECTOR	
U129	SIA-TL082	OP AMP DUAL JFET	
U130	SIA-NJM2072	VOLTAGE LEVEL SENSOR	
U131	SIA-DG201	QUAD ANALOG SWITCHES	
U132	SIA-TL082	OP AMP DUAL JFET	
U133	SIA-DA7524-4	8 BIT D/A CONVERTER	
U134	SIA-TL082	OP AMP DUAL JFET	
U135 -136	SIA-DA7226HP	8 BIT D/A CONVERTER QUAD	
U137 -138	SIA-4558	OP AMP DUAL	
U139	SIA-TL082	OP AMP DUAL JFET	
U140	SIA-4558	OP AMP DUAL	
U141	SIA-DG408A	8 CHANNEL ANALOG MULTIPLEXERS	
U142	SIA-4558	OP AMP DUAL	
U143	SIA-TL082	OP AMP DUAL JFET	
U144	SIA-4558	OP AMP DUAL	
U146 -147	SIM-74HC138	3-LINE TO 8-LINE DECODERS/DEMULTIPLEXERS	
U148 -150	SIM-74HC273	OCTAL D FLIP-FLOPS	
U151 -154	SIM-74HC174	HEX D FLIP-FLOPS	
U155	SIM-74HC32	QUAD 2-INPUT POSI-OR	
U156	SIM-74HC00	QUAD 2-INPUT POSI-NAND	
U157	SIM-74HC04	HEX INVERTERS	
U158 -159	SIT-DN8650	HEPTA BUFFER AMP	
U160	SIM-TC4S71F	SINGLE OR GATE	
U161	SIA-OP42FZ	OP AMP JFET GBW = 10MHZ	
U163 -164	SIA-TL082	OP AMP DUAL JFET	
U165	SIA-812	OP AMP DUAL LOW OFFSET	
U166	SIA-DG201	QUAD ANALOG SWITCHES	

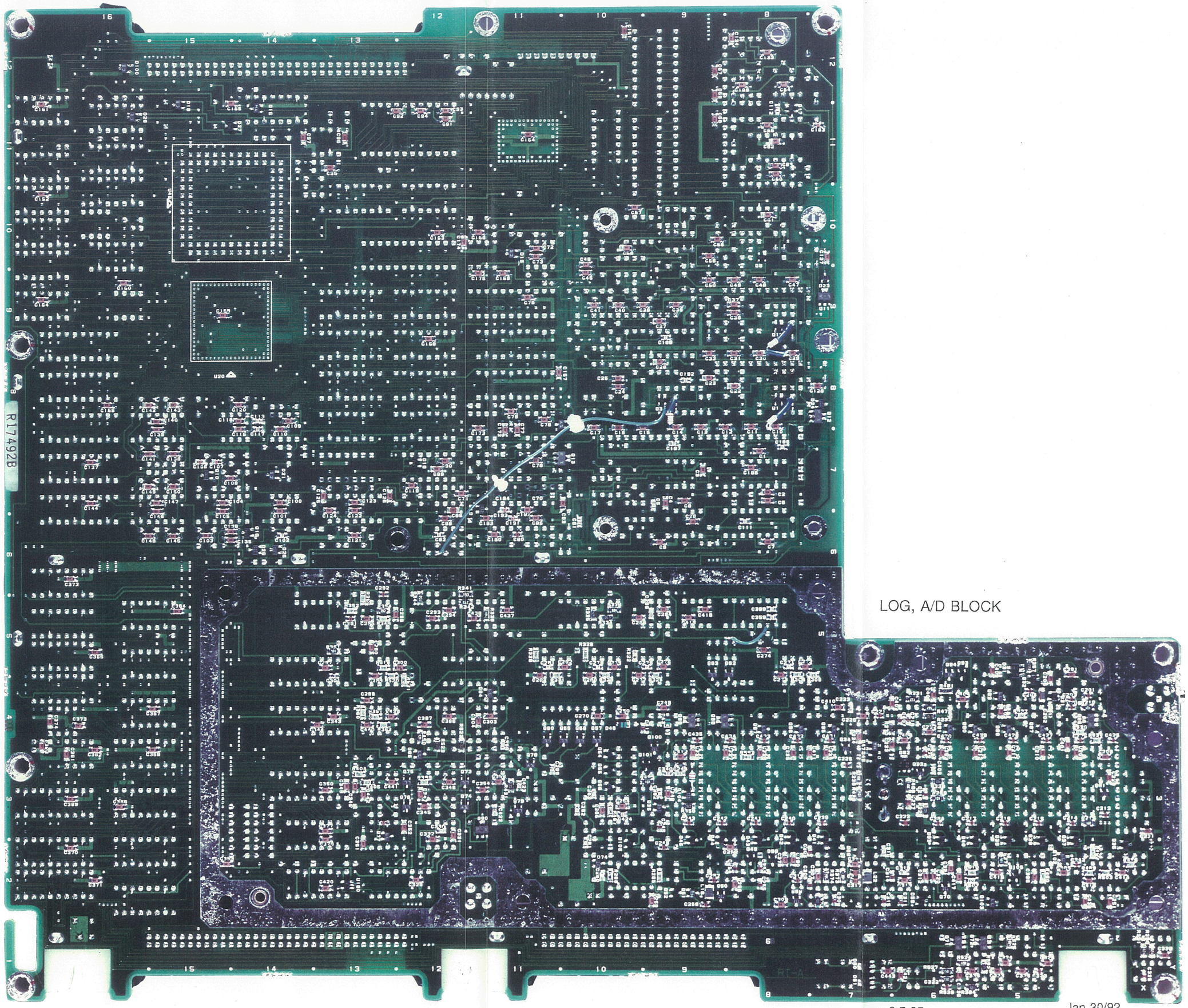


LOG, A/D BLOCK
Circuit Layout

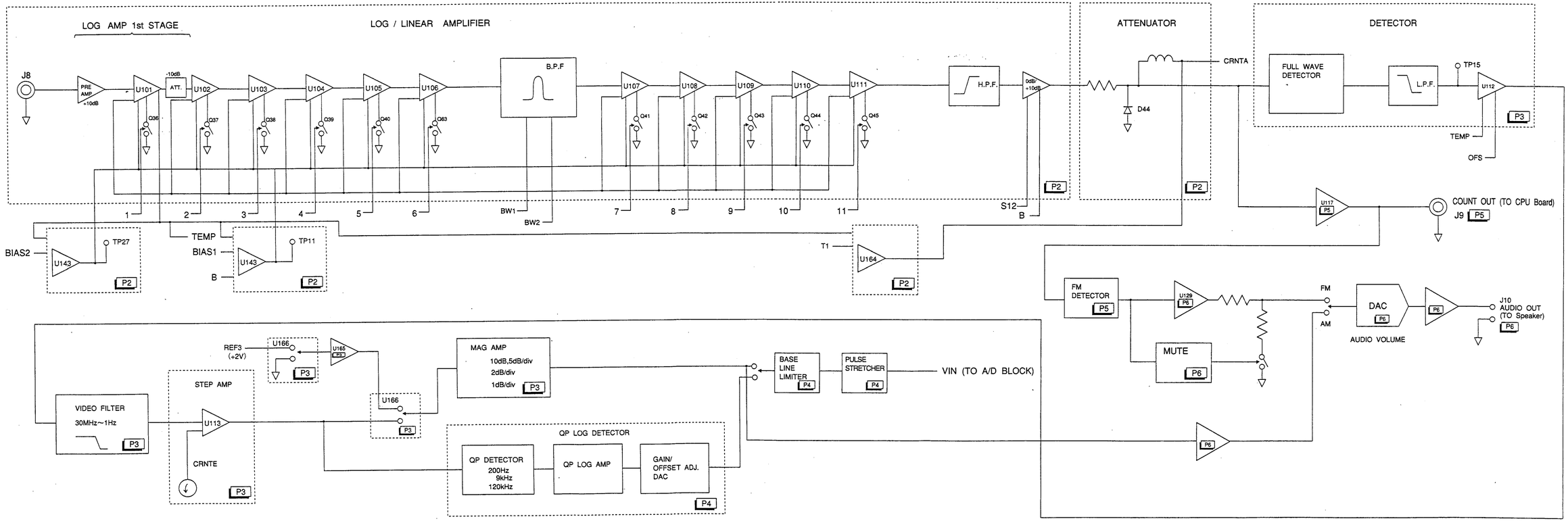
LOG, A/D BLOCK

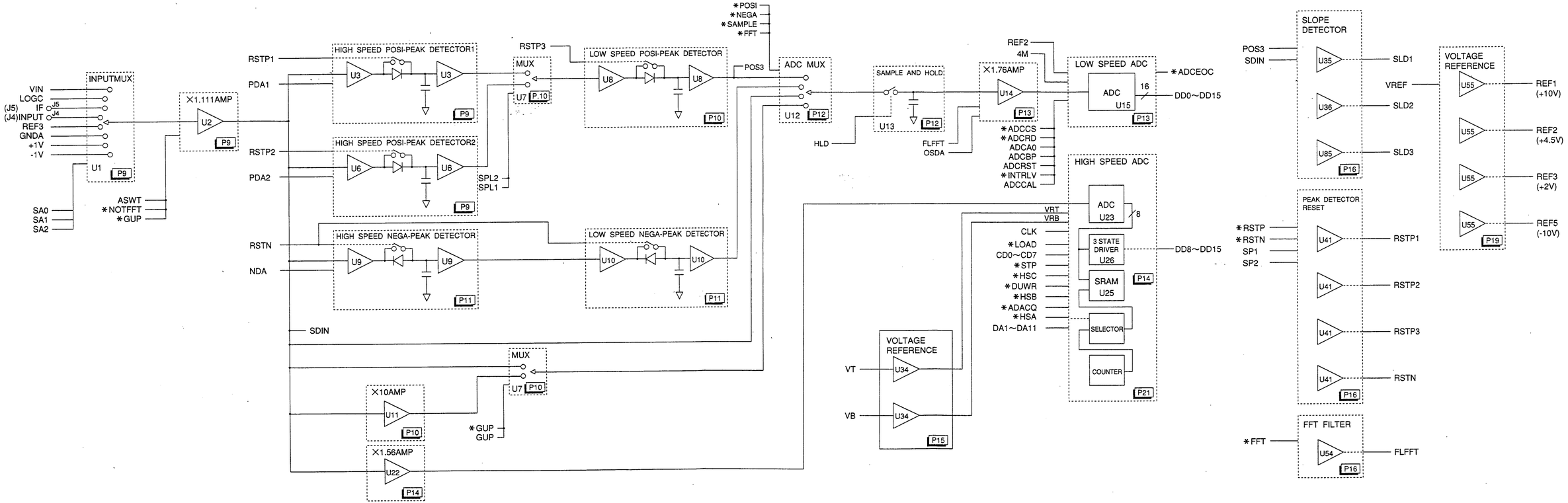


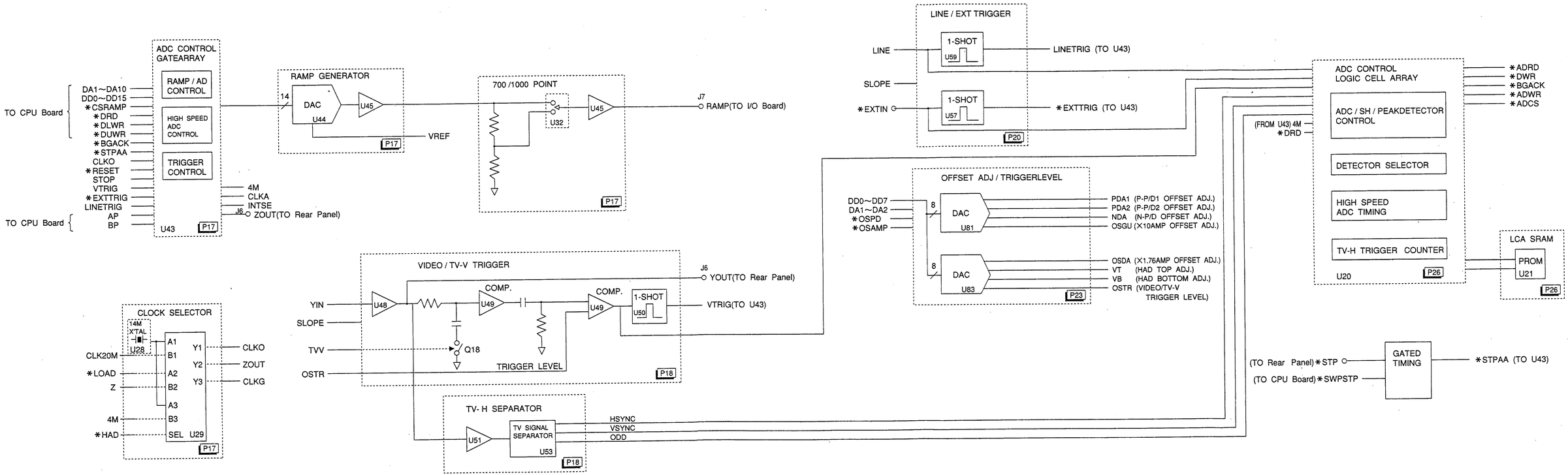
Jan 30/92



LOG, A/D BLOCK


LOG AMP 1st STAGE
LOG / LINEAR AMPLIFIER
ATTENUATOR
DETECTOR
J8
PRE AMP. +10dB
U101
-10dB ATT.
U102
U103
U104
U105
U106
B.P.F
U107
U108
U109
U110
U111
H.P.F.
0dB/ +10dB
S12
B
P2
D44
CRNTA
FULL WAVE DETECTOR
L.P.F.
TP15
U112
P3
TEMP
OFS
U117
P5
COUNT OUT (TO CPU Board)
J9
P5
Q36
Q37
Q38
Q39
Q40
Q63
Q41
Q42
Q43
Q44
Q45
1
2
3
4
5
6
BW1
BW2
7
8
9
10
11
BIAS2
U143
TP27
TEMP
BIAS1
TP11
B
T1
U164
FM DETECTOR
P5
U129
P6
FM
AM
DAC
P6
AUDIO VOLUME
J10
AUDIO OUT
(TO Speaker)
MUTE
P6
REF3
(+2V)
U166
P3
U165
P3
MAG AMP
10dB,5dB/div
2dB/div
1dB/div
P3
BASE LINE LIMITER
P4
PULSE STRETCHER
P4
VIN (TO A/D BLOCK)
STEP AMP
VIDEO FILTER
30MHz~1Hz
P3
U113
CRNTE
P3
QP LOG DETECTOR
QP DETECTOR
200Hz
9kHz
120kHz
QP LOG AMP
GAIN/
OFFSET ADJ.
DAC
P4


INPUTMUX
VIN
LOGC
(J5) IF J5
(J4)INPUT J4
REF3
GNDA
+1V
-1V
U1 P9
SA0
SA1
SA2
ASWT
*NOTFFT
*GUP
×1.111AMP
U2 P9
RSTP1
PDA1
RSTP2
PDA2
RSTN
NDA
SDIN
HIGH SPEED POSI-PEAK DETECTOR1
U3 U3 P9
HIGH SPEED POSI-PEAK DETECTOR2
U6 U6 P9
HIGH SPEED NEGA-PEAK DETECTOR
U9 U9 P11
LOW SPEED NEGA-PEAK DETECTOR
U10 U10 P11
RSTP3
MUX
U7 P10
SPL2
SPL1
LOW SPEED POSI-PEAK DETECTOR
U8 U8 P10
POS3
*POSI
*NEGA
*SAMPLE
*FFT
ADC MUX
U12 P12
HLD
SAMPLE AND HOLD
U13 P12
FLFFT
OSDA
REF2
4M
×1.76AMP
U14 P13
*ADCCS
*ADCRD
ADCA0
ADCBP
ADCRST
*INTRLV
ADCCAL
LOW SPEED ADC
ADC U15 16 P13
*ADCEOC
DD0~DD15
HIGH SPEED ADC
ADC U23 8
VRT
VRB
CLK
*LOAD
CD0~CD7
*STP
*HSC
*DUWR
*HSB
*ADACQ
*HSA
DA1~DA11
3 STATE DRIVER U26
SRAM U25
SELECTOR
COUNTER
P14
P21
DD8~DD15
VOLTAGE REFERENCE
VT
VB
U34 U34 P15
MUX
U7 P10
×10AMP
U11 P10
*GUP
GUP
×1.56AMP
U22 P14
SLOPE DETECTOR
POS3
SDIN
U35 U36 U85 P16
SLD1
SLD2
SLD3
VOLTAGE REFERENCE
VREF
U55 U55 U55 U55 P19
REF1 (+10V)
REF2 (+4.5V)
REF3 (+2V)
REF5 (-10V)
PEAK DETECTOR RESET
*RSTP
*RSTN
SP1
SP2
U41 U41 U41 U41 P16
RSTP1
RSTP2
RSTP3
RSTN
FFT FILTER
*FFT
U54 P16
FLFFT

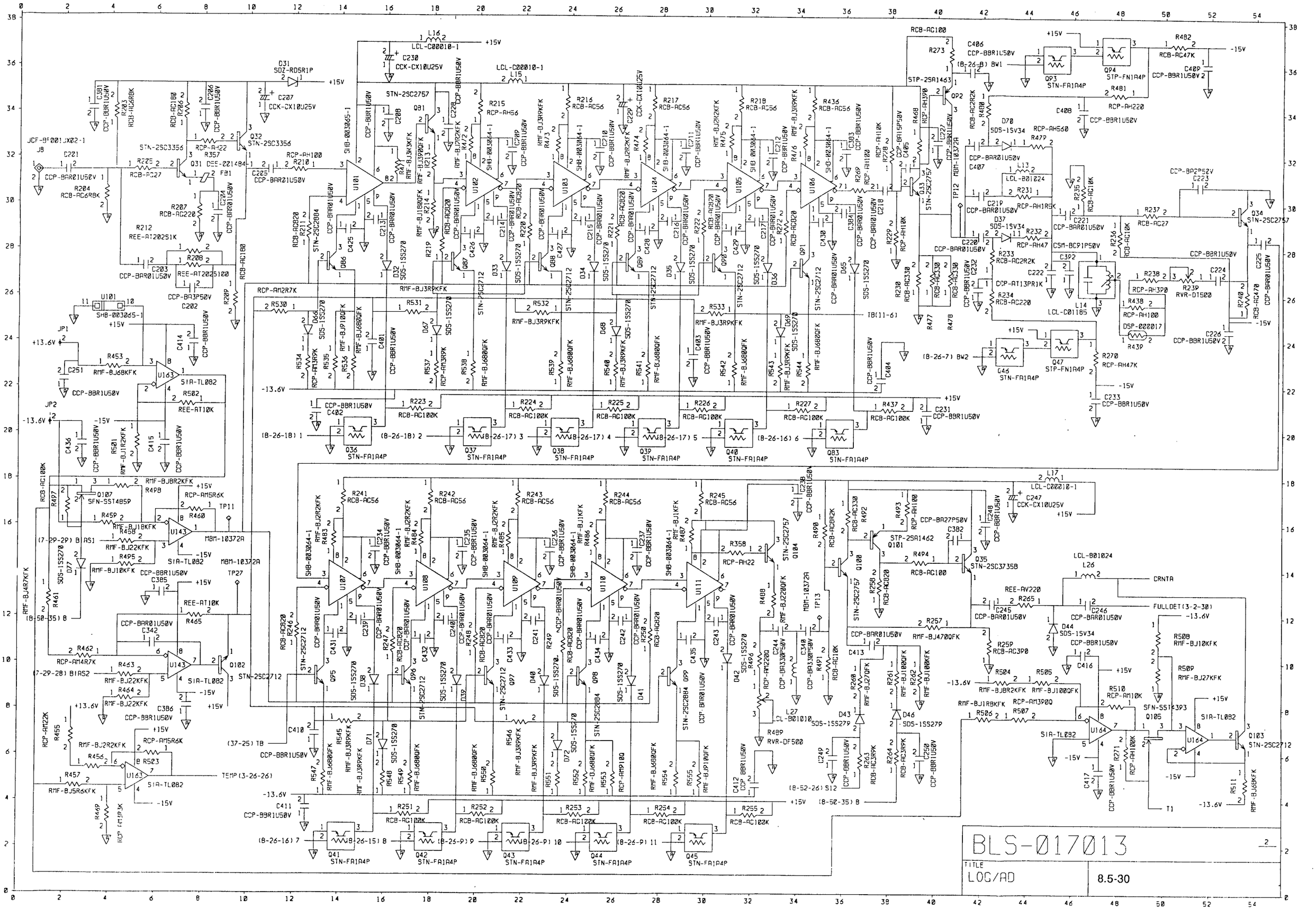

ADC CONTROL GATEARRAY
RAMP / AD CONTROL
HIGH SPEED ADC CONTROL
TRIGGER CONTROL
TO CPU Board
DA1～DA10
DD0～DD15
＊CSRAMP
＊DRD
＊DLWR
＊DUWR
＊BGACK
＊STPAA
CLKO
＊RESET
STOP
VTRIG
＊EXTTRIG
LINETRIG
TO CPU Board
AP
BP
U43
P17
4M
CLKA
INTSE
J6
ZOUT(TO Rear Panel)
RAMP GENERATOR
14
DAC
U44
U45
VREF
P17
700 /1000 POINT
U32
U45
J7
RAMP(TO I/O Board)
P17
LINE / EXT TRIGGER
LINE
1-SHOT
U59
LINETRIG (TO U43)
SLOPE
＊EXTIN
1-SHOT
U57
＊EXTTRIG (TO U43)
P20
OFFSET ADJ / TRIGGERLEVEL
DD0～DD7
DA1～DA2
＊OSPD
＊OSAMP
8
DAC
U81
PDA1 (P-P/D1 OFFSET ADJ.)
PDA2 (P-P/D2 OFFSET ADJ.)
NDA (N-P/D OFFSET ADJ.)
OSGU (X10AMP OFFSET ADJ.)
8
DAC
U83
OSDA (X1.76AMP OFFSET ADJ.)
VT (HAD TOP ADJ.)
VB (HAD BOTTOM ADJ.)
OSTR (VIDEO/TV-V TRIGGER LEVEL)
P23
ADC CONTROL LOGIC CELL ARRAY
ADC / SH / PEAKDETECTOR CONTROL
DETECTOR SELECTOR
HIGH SPEED ADC TIMING
TV-H TRIGGER COUNTER
U20
P26
(FROM U43) 4M
＊DRD
＊ADRD
＊DWR
＊BGACK
＊ADWR
＊ADCS
LCA SRAM
PROM
U21
P26
VIDEO / TV-V TRIGGER
YIN
SLOPE
TVV
OSTR
U48
COMP.
U49
COMP.
U49
1-SHOT
U50
Q18
TRIGGER LEVEL
P18
J6
YOUT(TO Rear Panel)
VTRIG(TO U43)
CLOCK SELECTOR
14M X'TAL
U28
CLK20M
＊LOAD
Z
4M
＊HAD
A1
B1
A2
B2
A3
B3
SEL U29
Y1
Y2
Y3
CLKO
ZOUT
CLKG
P17
TV- H SEPARATOR
U51
TV SIGNAL SEPARATOR
U53
P18
HSYNC
VSYNC
ODD
(TO Rear Panel) ＊STP
(TO CPU Board) ＊SWPSTP
GATED TIMING
＊STPAA (TO U43)

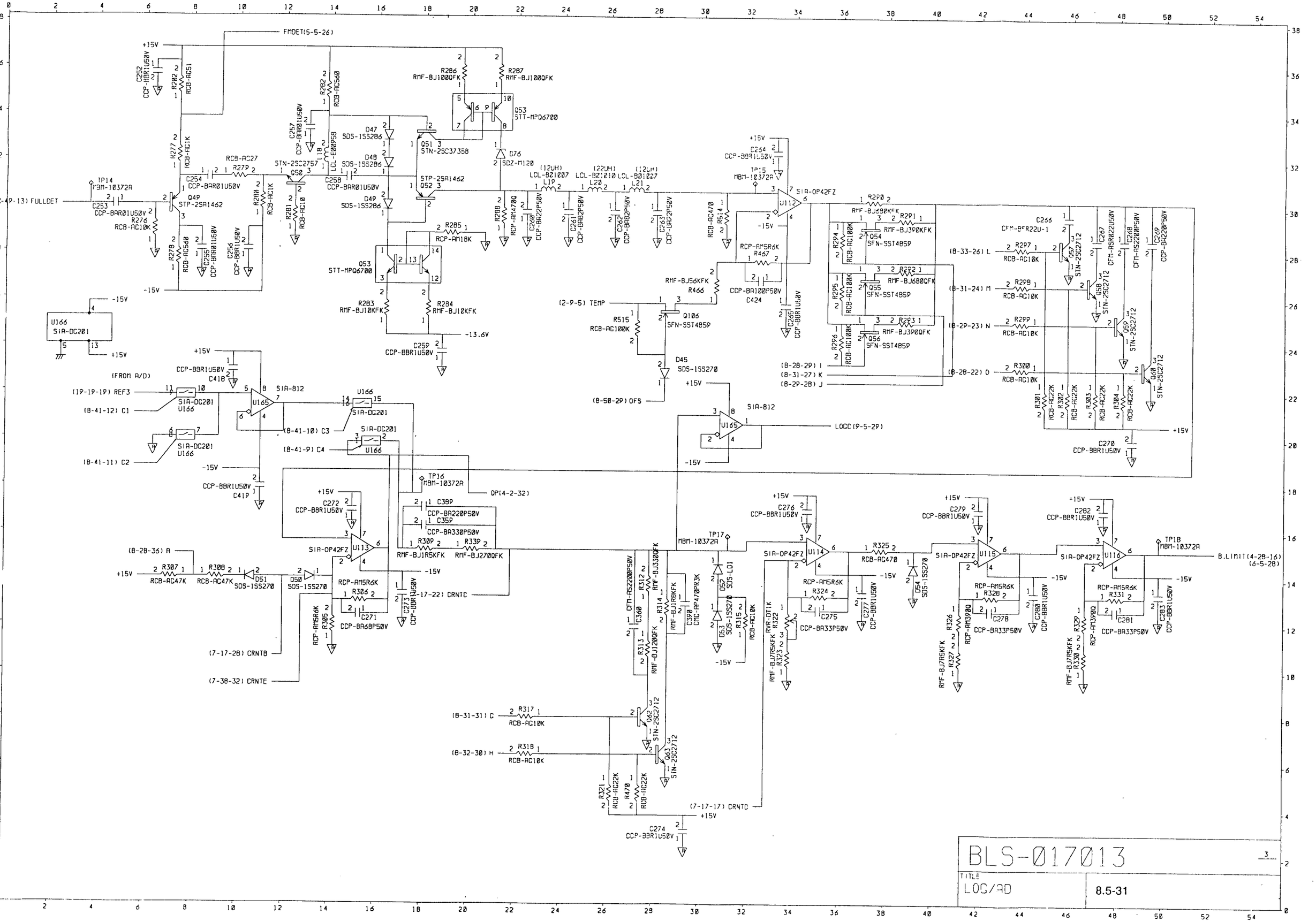
■ DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

BLS-017013		1
TITLE LOC/AD	8.5-29	


BLS-017013
2
TITLE
LOC/AD
8.5-30

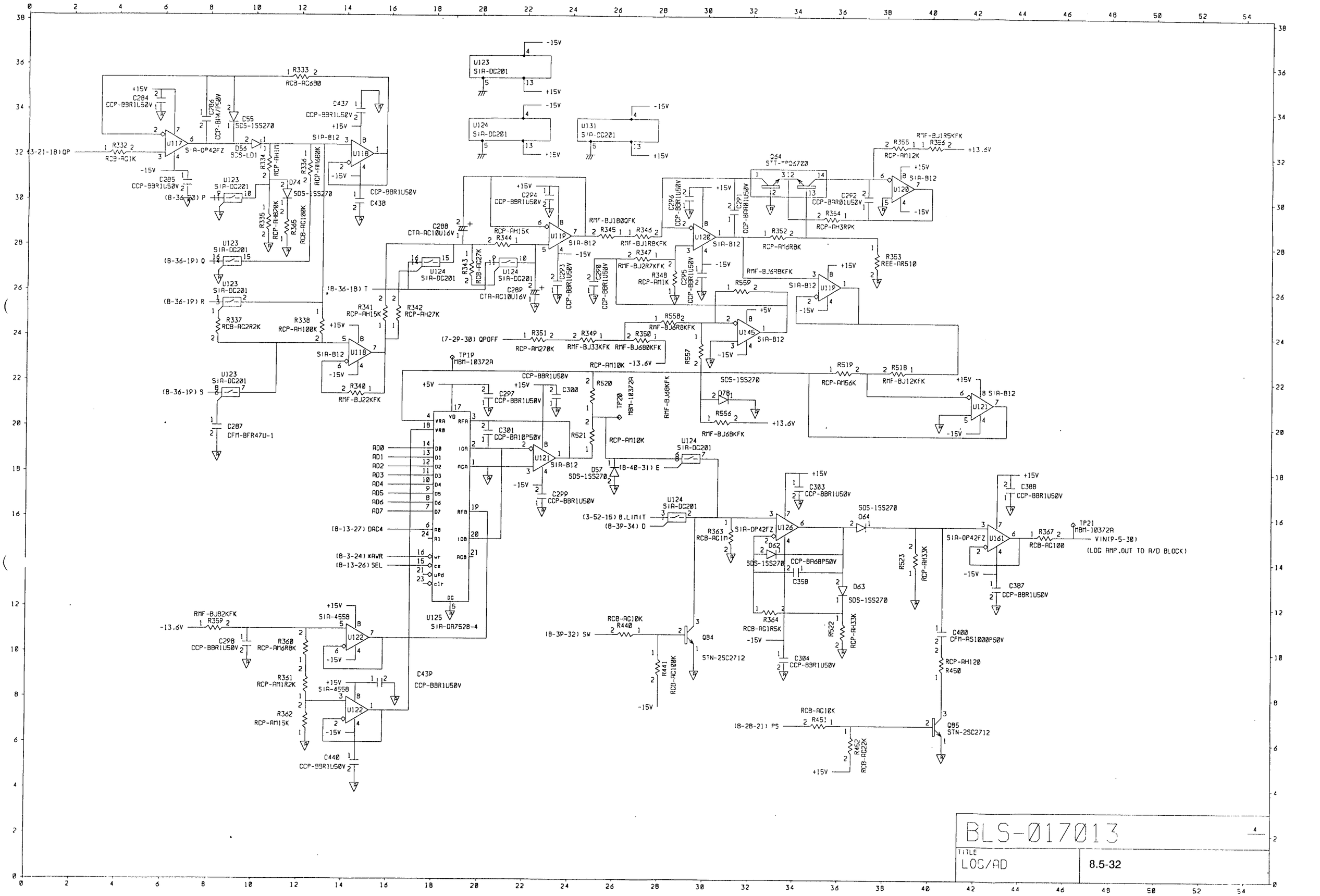


BLS-017013

3

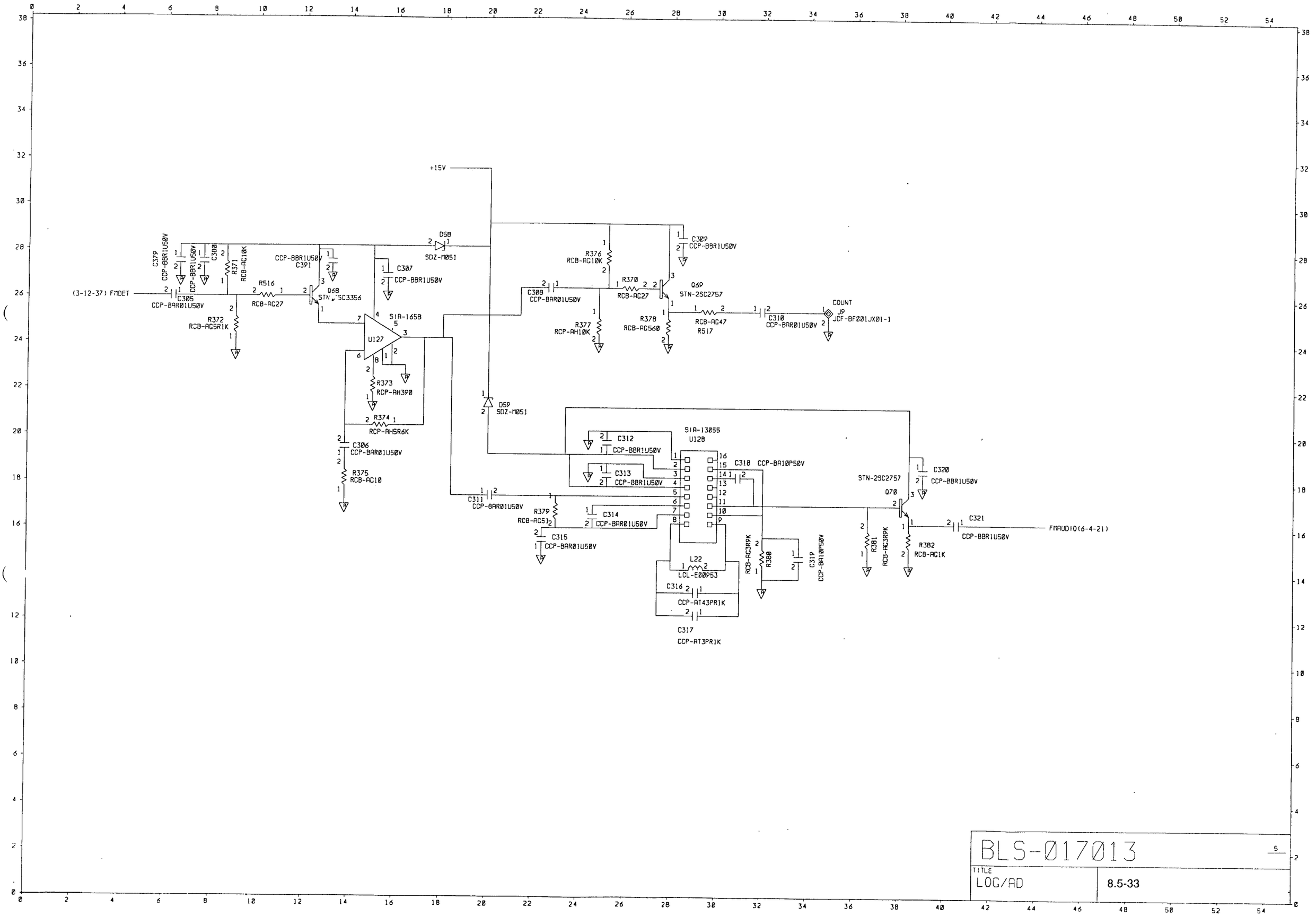
TITLE
LOG/AD

8.5-31



BLS-017013 4

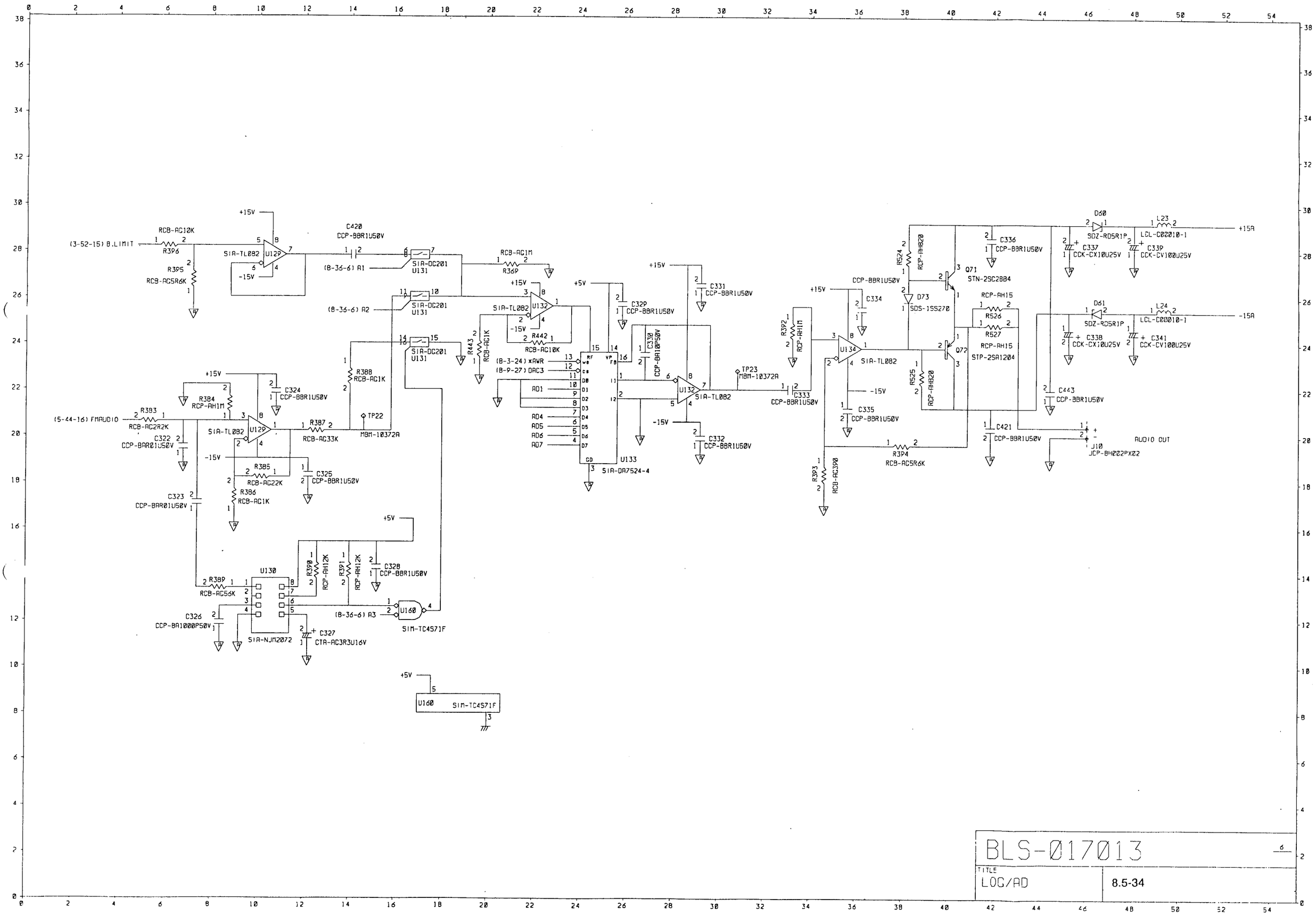
TITLE LOG/AD | 8.5-32



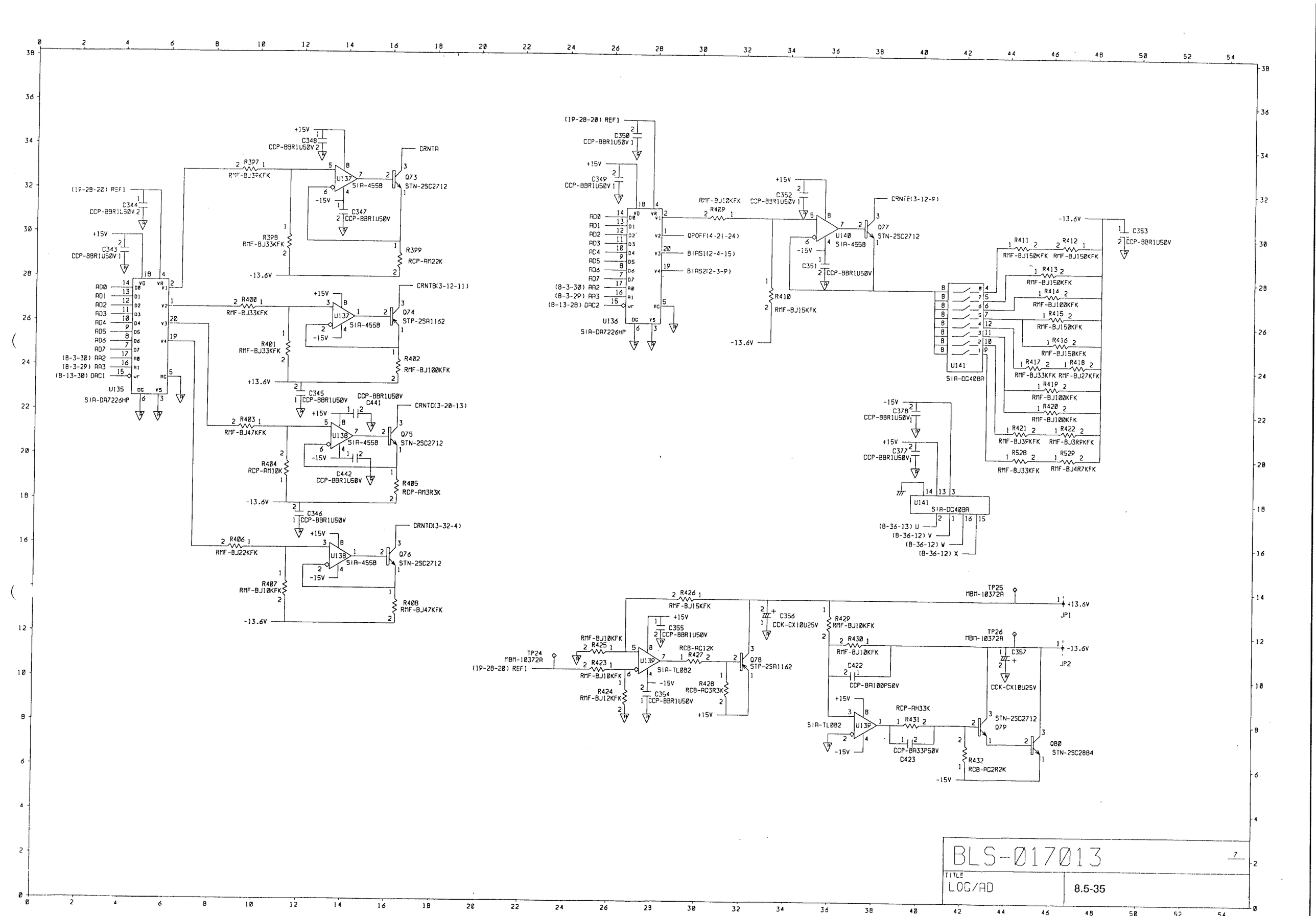
BLS-017013 5

TITLE LOC/AD

8.5-33



BLS-017013	6
TITLE: LOG/AD	8.5-34

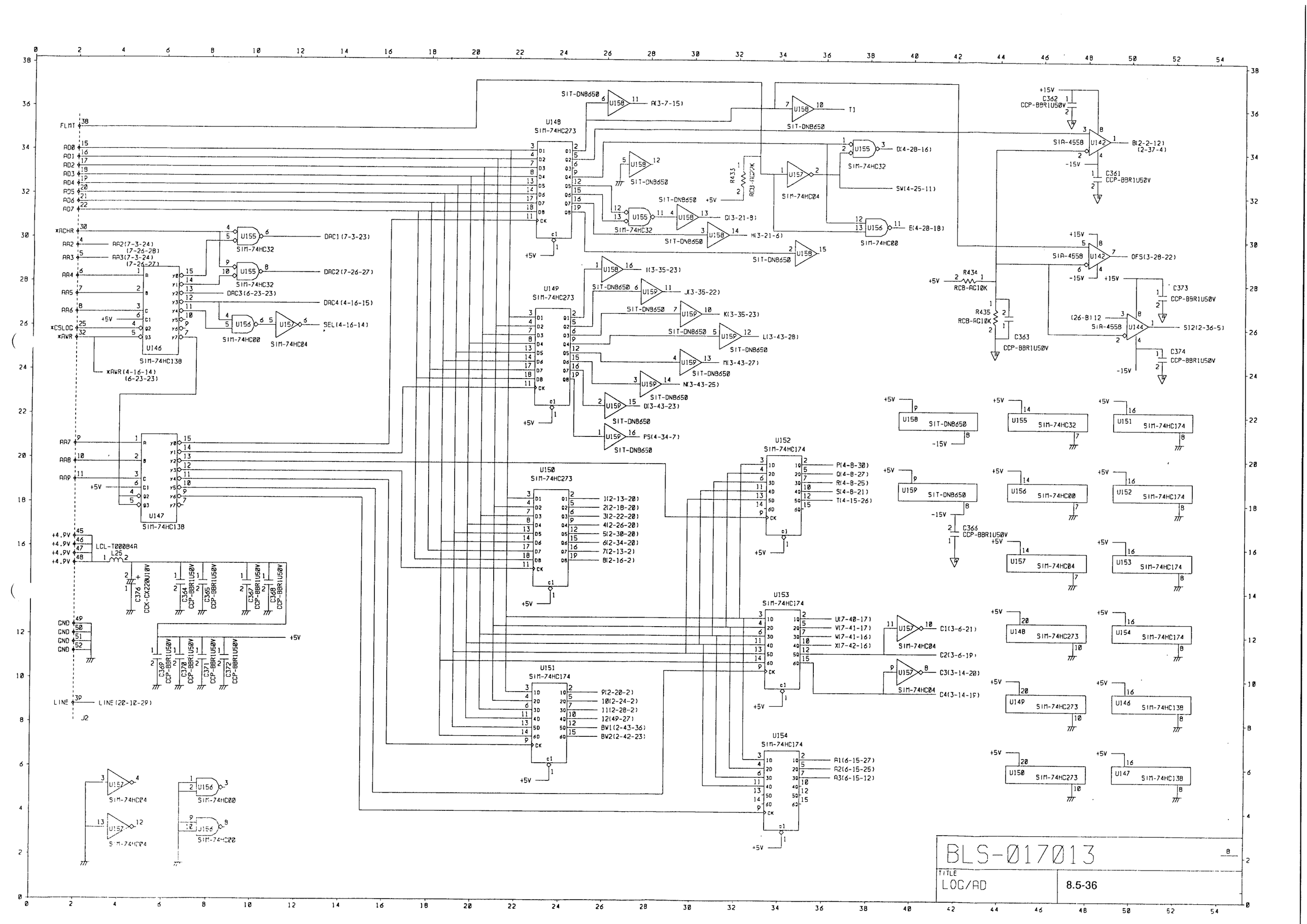


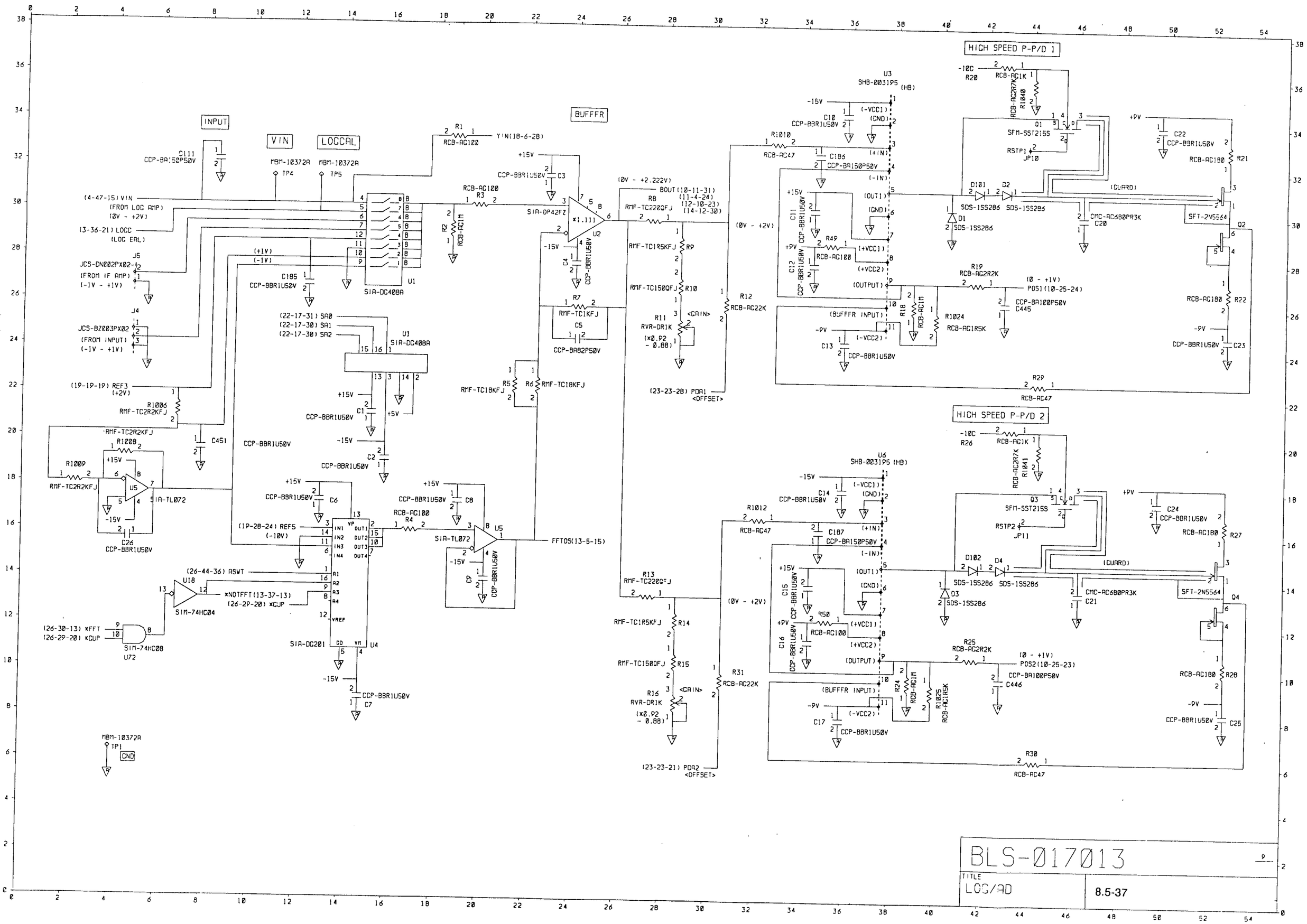
BLS-017013

7

TITLE LOC/AD

8.5-35


FLMT
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
xRCHR
AA2
AA3
AA4
AA5
AA6
xCSLOC
xAWR
AA7
AA8
AA9
+5V
+4.9V
LCL-T000B4A
L25
GND
LINE
J2
U146
SIM-74HC138
xAWR(4-16-14)
(6-23-23)
U147
SIM-74HC138
U148
SIM-74HC273
U149
SIM-74HC273
U150
SIM-74HC273
U151
SIM-74HC174
U152
SIM-74HC174
U153
SIM-74HC174
U154
SIM-74HC174
SIT-DN8650
R433
RCB-AC20K
R434
RCB-AC10K
R435
RCB-AC10K
SIM-74HC32
SIM-74HC00
SIM-74HC04
SIA-4558
-15V
C376
CCK-CX220U10V
C364
C365
C367
C368
C369
C370
C371
C372
C373
C374
C361
C362
C363
C366
CCP-BBR1U50V
DAC1(7-3-23)
DAC2(7-26-27)
DAC3(6-23-23)
DAC4(4-16-15)
SEL(4-16-14)
AA2(7-3-24)
(7-26-28)
AA3(7-3-24)
(7-26-27)
LINE(20-12-29)
A(3-7-15)
T1
D(4-28-16)
SW(4-25-11)
C(3-21-8)
M(3-21-6)
E(4-28-18)
I(3-35-23)
J(3-35-22)
K(3-35-23)
L(3-43-28)
M(3-43-27)
N(3-43-25)
O(3-43-23)
P5(4-34-7)
1(2-13-20)
2(2-18-20)
3(2-22-20)
4(2-26-20)
5(2-30-20)
6(2-34-20)
7(2-13-2)
8(2-16-2)
9(2-20-2)
10(2-24-2)
11(2-28-2)
12(49-27)
BW1(2-43-36)
BW2(2-42-23)
P(4-8-30)
Q(4-8-27)
R(4-8-25)
S(4-8-21)
T(4-15-26)
U(7-40-17)
V(7-41-17)
W(7-41-16)
X(7-42-16)
A1(6-15-27)
A2(6-15-25)
A3(6-15-12)
C1(3-6-21)
C2(3-6-19)
C3(3-14-20)
C4(3-14-19)
B(2-2-12)
(2-37-4)
OFS(3-28-22)
S12(2-36-5)
(26-8)12
BLS-017013
TITLE
LOC/AD
8.5-36



BLS-017013

TITLE LOC/AD

8.5-37

LOW SPEED P-P/D

(9-27-31) BOUT
R56 RMF-TC3900FJ
(×0.86-0.79)
R58 RMF-TC1R5KFJ
R67 RVR-DR1K
(FFT GAIN)

+15V
CCP-BBR1U50V C57
(×10 AMP)
U11 SIA-OP27GD
R1036 RCB-AC680K
R1037 RCB-AC100K
-15V
C58 CCP-BBR1U50V
R70 RMF-TC3R9KFJ
R71 RMF-TC5100FJ
R72 RMF-TC180FJ
R68 RMF-TC4700FJ
R69 RMF-TC220FJ
(23-23-11) DSCU
R65 RCB-AC39K
R66 RCB-AC3R3K

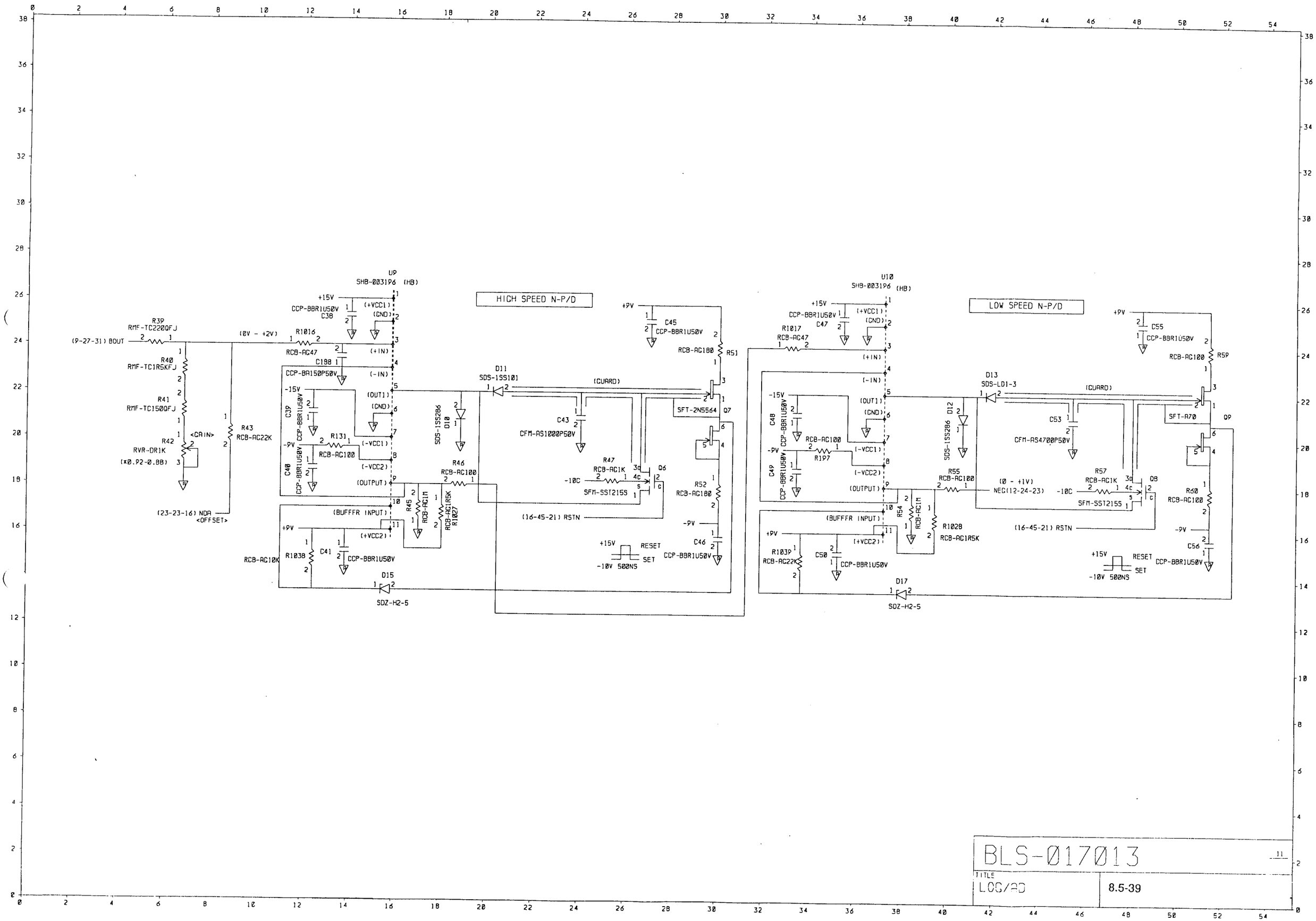
R73 RCB-AC100
U18 54H-74HC04
(26-44-32) SPL2
(26-44-31) SPL1
(26-29-20) ×CUP
+5V
SIA-DC411
U7
+15V C27 CCP-BBR1U50V
(9-44-27) POS1
(9-44-11) POS2
-15V C28 CCP-BBR1U50V

FFTA(12-24-22)
R151 RCB-AC100
SHB-00319P5
U8 (HB)
SIA-TL072
U8B
+15V C29 CCP-BBR1U50V
-15V
C192 CCP-BA330P50V
C30 CCP-BBR1U50V
C31 CCP-BBR1U50V
R152 RCB-AC100
(-VCC1)
(GND)
(+IN)
(-IN)
(OUT1)
(+VCC2)
(OUTPUT)
(BUFFFR INPUT)
(-VCC2)
R34 RCB-AC100 (0 - +1V)
POS3(12-24-23)(16-4-9)(16-10-32)
R33 RCB-AC1M
R1026 RCB-AC1R5K
-9V C32 CCP-BBR1U50V
R38 RCB-AC47

-10C
R35 RCB-AC1K1
R1042 RCB-AC2R7K
Q15 SFM-SST215S
RSTP3 JP12
D7 SDS-LD1-3
D8 SDS-1SS286
(GUARD)
CFM-AS4700P50V C35
+9V
C36 CCP-BBR1U50V
R36 RCB-AC100
SFT-A70 Q5
R37 RCB-AC100
-9V C37 CCP-BBR1U50V

+15V
0V
-10V
500N5
RESET
SET

BLS-017013	10
TITLE LOC/AD	8.5-38



BLS-017013

11

TITLE
LOG/AD

8.5-39

SAMPLE/HOLD

(9-27-31) BOUT
R62 RMF-TC220QFJ
R63 RMF-TC1RBKFJ
R64 RMF-TC100QFJ
R198 RCB-AC100
SDIN(16-5-25)
(SAMPLE)
(0V - +2V)

+15V
C60 CCP-BBR1U50V

(10-40-18) POS3
(11-42-1B) NEG
(10-32-27) FFTA
(26-29-25) xPOSI
(26-29-26) xNEGA
(26-29-22) xSAMPLE
(26-30-13) xFFT

U12 SIA-DC201
VP IN1 IN2 IN3 IN4 OUT1 OUT2 OUT3 OUT4 R1 R2 R3 R4 VREF GD VN

-15V
C61 CCP-BBR1U50V

R74 RCB-AC1M
R75 RCB-AC100

(26-29-4) HLD

R76 RCB-AC100
+15V
CCP-BBR1U50V C62

U13 SIA-5320
+V -V NI 1V NC D1 D2 RC SC DP EC BC

R199 RCB-AC100
SHOUT1(16-10-21)
R77 RCB-AC100
SHOUT1(13-13-25)

-15V
CCP-BBR1U50V C63

HOLD
SAMPLE

BLS-017013	12
TITLE LOC/AD	8.5-40

×1.76 AMP.

A/D CONVERTER

+15V
CCP-BBR1U50V
C64

<GAIN ADJUST>
(×1.69 - ×1.84)

(12-42-24) SHOUT
(0V - +2V)

SIA-0P42FZ
U14

-15V
CCP-BBR1U50V
C65

R82 RMF-TC2KFJ
R83 RMF-TC100QFJ
R84 RVR-DR500

C112
CCP-BA33P50V

(16-27-5) FLFFT

C163
CCP-BA1000P50V

Q17
SFM-SST215S

-10C
R612
RCB-AC1K

<+0.167V OFFSET>

(9-23-16) FFTOS
R200 RMF-TC100KFJ
R601 RMF-TC39KFJ
R602 RMF-TC100QFJ

<+2.492V OFFSET>

(19-28-24) REF5
(-10V)
R78 RMF-TC47KFJ
R79 RMF-TC6200QFJ

(23-43-28) OSDR
<OFFSET>
R81 RCB-AC4R7K

R86 RMF-TC3R3KFJ
R85 RMF-TC510QFJ

C189
CCP-BBR1U50V
(0V - +4.5V VIN)

C190
CTA-AC3R3U16V

+5V
LCL-C00010
L31
C67 CCP-BBR1U50V
C114 CTA-AC3R3U16V
-5V
C68 CCP-BBR1U50V

C69
CCP-BBR1U50V

(19-28-33) REF2

U15

(26-14-5) SD
(22-17-14) ×ADCCS
(22-17-13) ×ADCRD
(22-17-13) ADCA0
(22-17-12) ADCBP
(22-17-12) ADCRST
(22-17-12) ×INTRLV
(22-17-11) ADCCAL

(17-12-18) 4M
R195 RCB-AC10
+5V
-5V
R196 RCB-AC10

SIA-5016×JP16

(26-14-29) ×DWR
(35-11) ×ADCEOC

U16
SIM-74HC574

U17
SIM-74HC574

U19
SIM-74HC86

(9-9-13) ×NOTFFT

×ADCEOC(41-23)
(26-25-19)

DD0(17-6-19)
(22-12-14)
(22-12-23)
(22-12-31)
(23-11-21)
(23-31-21)
(25-7-33)
(26-25-18)

DD1(17-6-27)15-24)
(22-12-13)
(22-12-22)
(22-12-32)
(23-11-21)
(23-31-21)
(25-20-33)
(26-25-17)

DD2(17-6-27)15-23)
(22-12-13)
(22-12-22)
(22-12-32)
(23-11-21)
(23-31-21)
(25-7-32)
(26-25-24)

DD3(17-6-28)15-22)
(22-12-12)
(22-12-21)
(22-12-29)
(23-11-20)
(23-31-20)
(25-20-32)
(26-25-23)

DD4(17-6-28)15-21)
(22-12-12)
(22-12-21)
(22-12-29)
(23-11-20)
(23-31-20)
(25-7-31)
(26-25-14)

DD5(17-6-27)15-20)
(22-12-12)
(22-12-21)
(22-12-29)
(23-11-19)
(23-31-19)
(25-20-31)
(26-25-15)

DD6(17-6-27)15-19)
(22-12-11)
(22-12-20)
(22-12-28)
(23-11-19)
(23-31-19)

DD7(17-6-25-27)-30)
(22-12-25-25)-10)
(22-12-27-25)-18)
(22-12-28)
(23-11-19)
(23-31-19)
(25-20-30)
(26-25-9)

DD8(14-4)(22-15-17)
(17-6-16)
(25-7-29)

DD9(14-41-12)
(17-6-16)
(25-20-29)

DD10(14-41-11)
(17-6-15)
(25-7-28)

DD11(14-41-11)
(17-6-15)
(25-20-28)

DD12(14-41-11)
(17-6-15)
(25-7-27)

DD13(14-41-10)
(17-6-14)
(25-20-27)

DD14(14-41-10)
(17-6-14)
(25-7-26)

DD15(14-41-9)
(17-6-13)
(25-20-26)

BLS-017013	13
TITLE: LOC/AD	8.5-41

x1.56 AMP.

HIGH SPEED ADC

+15V
CCP-BBR1U50V
C72

(9-27-31) BOUT
R605
RMF-TC560QFJ
(0V - +1V)
(0 - +2.222V)
R603
RMF-TC390QFJ
R604
RMF-RC680FJ

SIA-6361
U22
-15V
CCP-BBR1U50V
C73
RMF-TC560QFJ
R90

+5C
SDS-1SS226
Di6
RP1
RCB-AC100
(+3V - +5V)

(15-24-22) VRT
(15-39-22) VRB
(20-47-11) CLK
U23
SIA-40578
(LSB)
(MSB)

U24
SIT-74F374
(26-29-29) xADACD
(20-47-11) CLK

+5V
CCP-BBR1U50V
C169
CCP-BBR1U50V
C75
U23
SIA-40578

R89
RMF-TC1KFJ

C168
CCP-BBR1U50V
R88
RMF-TC2R7KFJ
R611
RMF-TC1B0QFJ
<+3V OFFSET>

(19-19-19) REF3
(+2V)
R87
RMF-TC1KFJ
+15V
C174
CCP-BBR1U50V
U27
SIA-TL072
-15V
CCP-BBR1U50V
C175

U25
(21-36-26) MA0
(21-36-25) MA1
(21-36-24) MA2
(21-36-24) MA3
(21-36-19) MA4
(21-36-18) MA5
(21-36-17) MA6
(21-36-16) MA7
(21-36-12) MA8
(21-36-11) MA9
(21-36-10) MA10
(21-36-32) xMCS
(21-36-32) xMWE
(21-36-33) xMOE
SMM-201BC-2

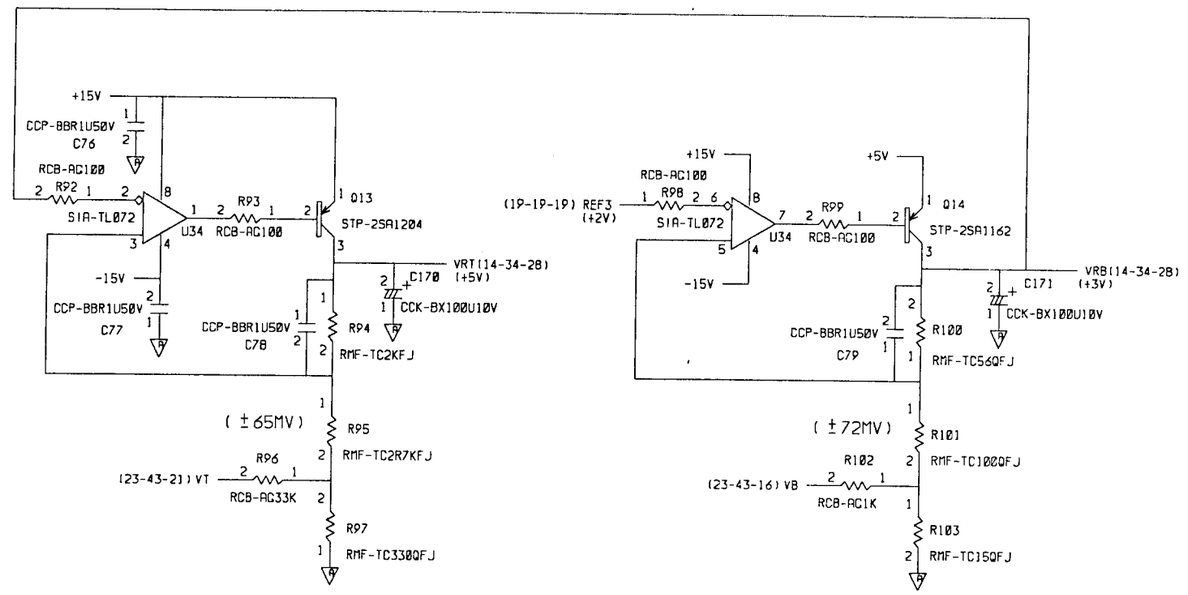
U26
(13-47-18) DD8
(13-47-16) DD9
(13-47-14) DD10
(13-47-13) DD11
(13-47-11) DD12
(13-47-10) DD13
(13-47-8) DD14
(13-47-6) DD15
(26-14-11) xHSA
(26-29-12) xHSC
S T-74F245

BLS-017013 14

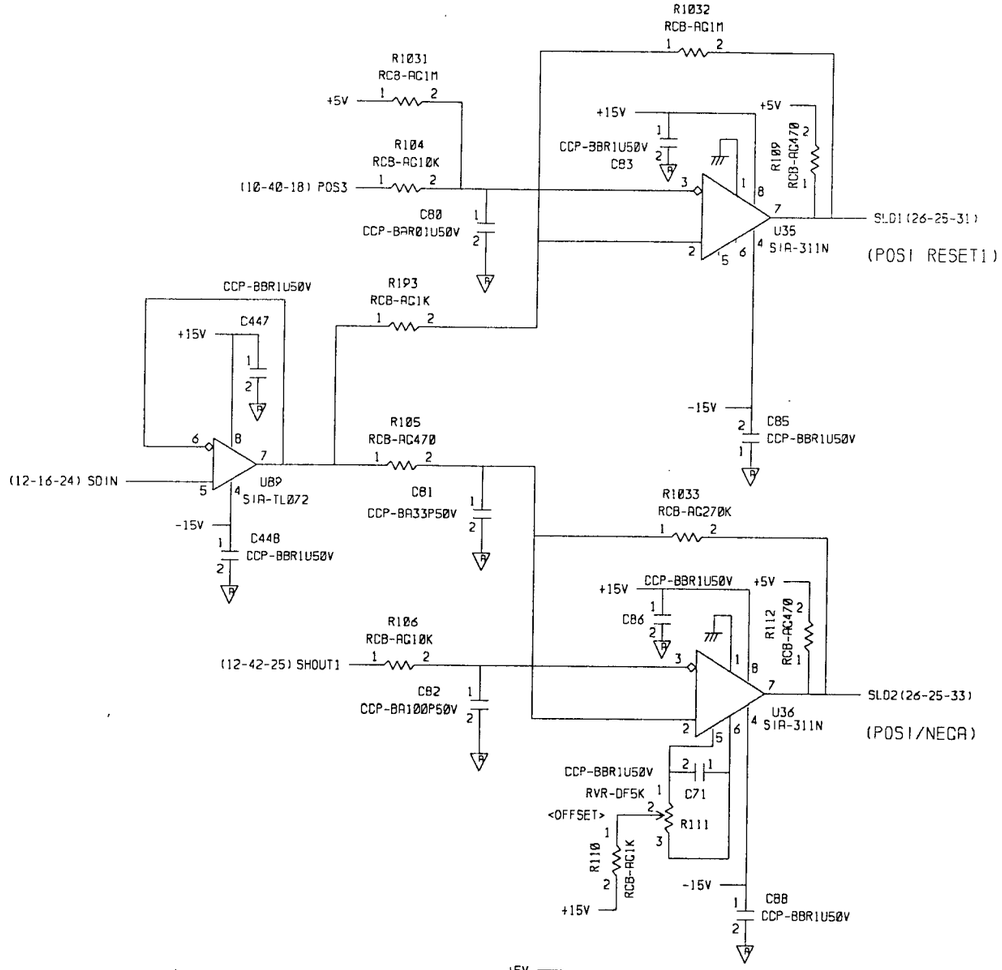
TITLE
LOC/AD

8.5-42

HIGH SPEED ADC REFFRENCE

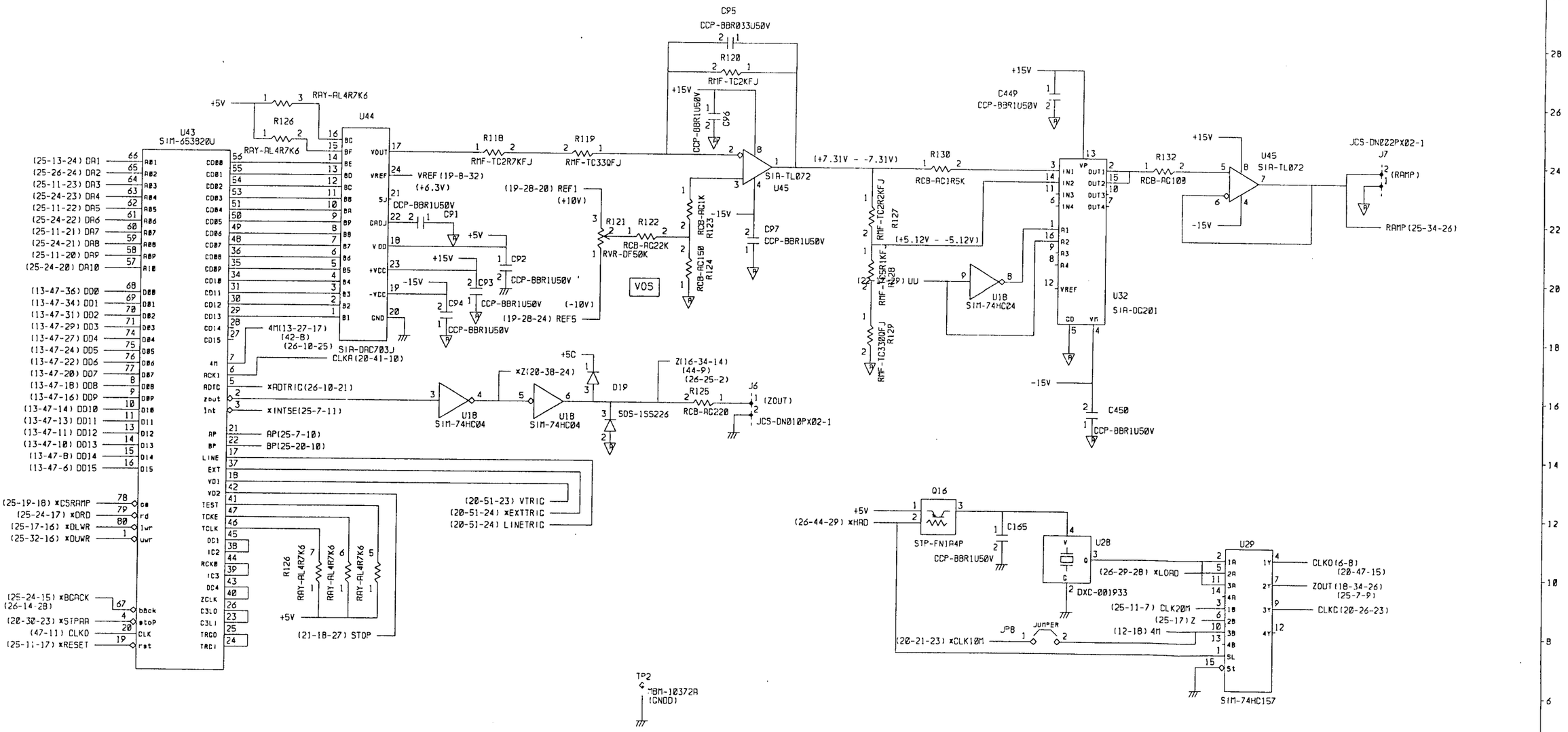


BLS-017013	15
TITLE LOC/AD	8.5-43



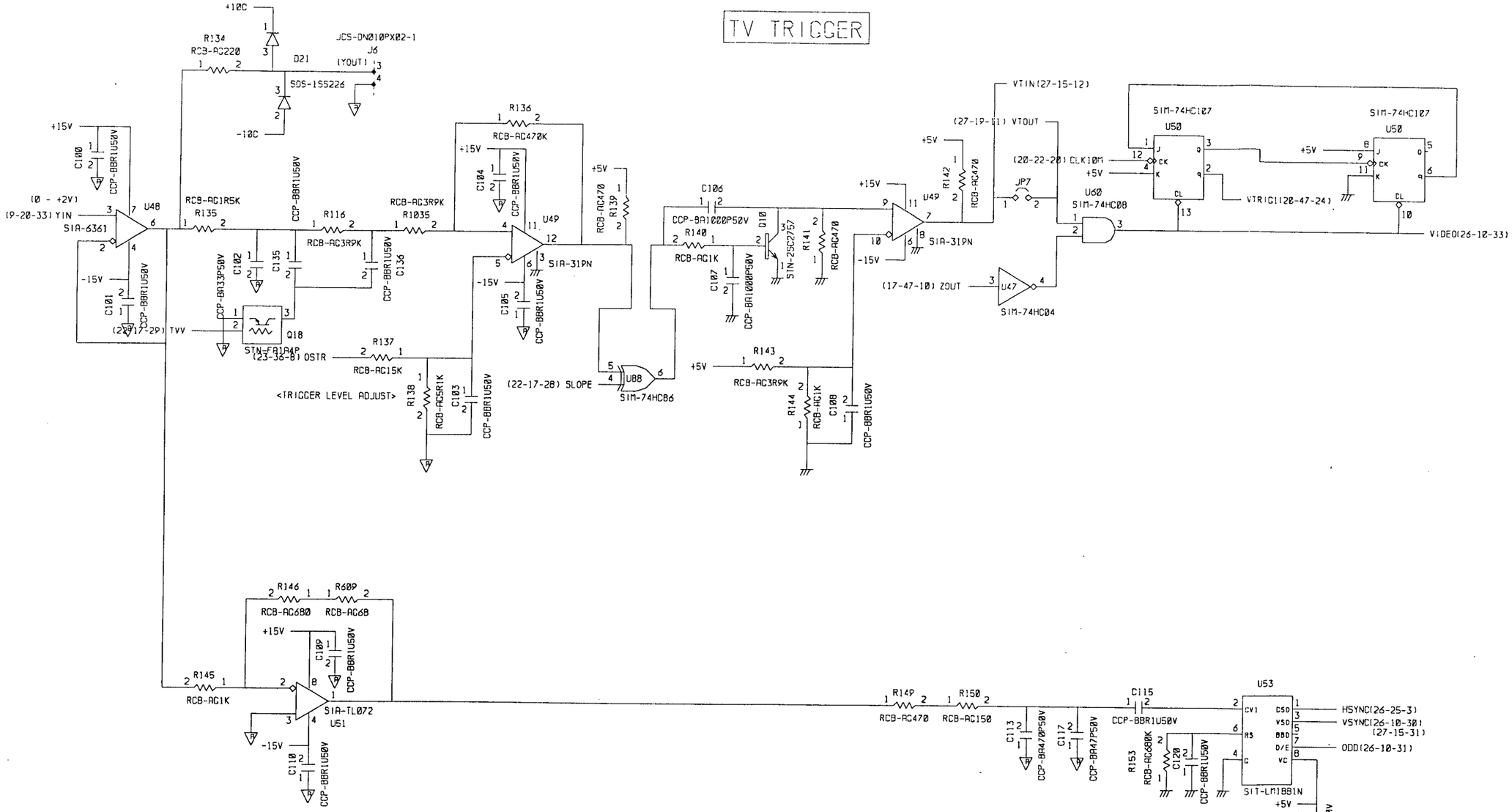
BLS-017013	16
TITLE: LOC/AD	8.5-44

RAMP GENERATOR



BLS-017013	17
TITLE: LOG/AD	8.5-45

TV TRIGGER



BLS-017013	18
TITLE LOG/AD	8.5-46

REFFRENCE

(17-17-23) VREF
(+6.3V)

R155 RMF-TC39KFJ
R154 RMF-TC3900FJ
R156 RMF-TC1R5KFJ
R157 RVR-DR1K

(+1.63V - 2.32V)

C121 CCP-BBR1U50V
C122 CCP-BBR1U50V
C123 CCP-BBR1U50V

+2V
TP3
MBM-10372A

U55 S1A-TL074

+15V
-15V

R158 RMF-TC1R2KFJ
R159 RMF-TC510FJ
C124 CCP-BBR1U52V
R160 RMF-TC1KFJ

REF2(13-27-23)
(+4.5V)

C125 CCP-BBR1U50V
R161 RMF-TC10KFJ
R162 RMF-TC2KFJ

U55 S1A-TL074

REF5(9-12-16)
(-10V)(13-7-12)(17-22-19)

U55 S1A-TL074

REF3(3-6-22)
(+2V) (9-5-22)
(14-9-16)
(15-28-24)

R163 RMF-TC6R8KFJ
R164 RMF-TC1R2KFJ
C126 CCP-BBR1U50V
R165 RMF-TC2KFJ

REF1(7-4-32)
(+10V)(7-23-10)
(7-26-35)
(17-22-23)
(23-13-24)
(23-15-29)
(23-33-24)
(23-36-29)

LINE FILTER

L1 LCL-T00084A
+15 → +15V
C130 CCK-CV100U25V

L2 LCL-T00284A
-15 → -15V
C132 CCK-CV100U25V

U56 S1A-79L05
-15V → -5V
C133 CCP-BBR1U50V
C134 CCP-BBR1U50V

-15V
RCB-AC1R8K R166
Q11 STP-2SA1204
C127 CCP-BBR1U50V
D23 SDZ-M120
-9V

+15V
RCB-AC1R8K R167
Q12 STN-2SC2884
C128 CCP-BBR1U50V
D24 SDZ-M100
+9V

+15V
R168 RCB-AC10K
+10C
D25 SDZ-M100

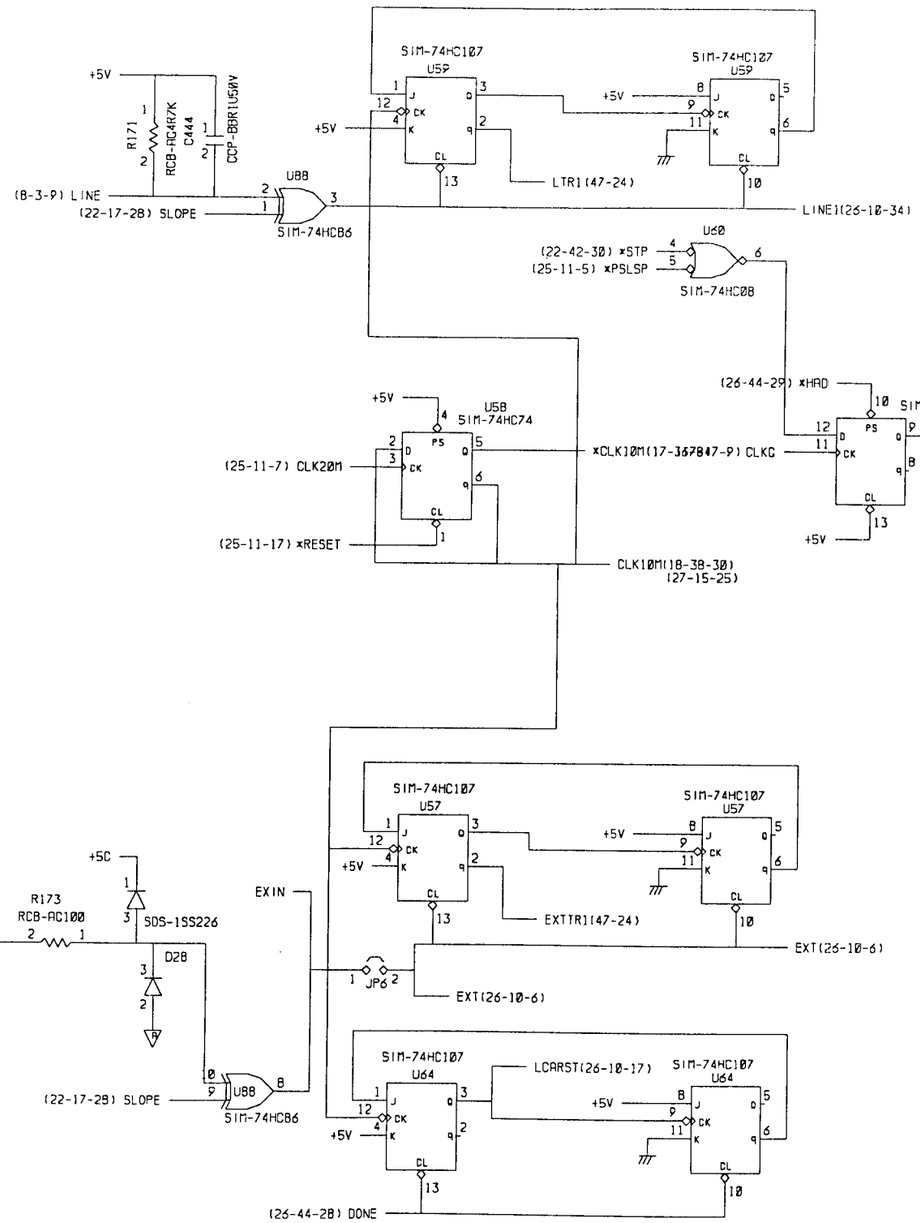
-15V
R169 RCB-AC1K
-10C
D26 SDZ-M110

+15V
R170 RCB-AC1BK
+5C
D27 SDZ-M051

BLS-017013 19

TITLE LOG/AD

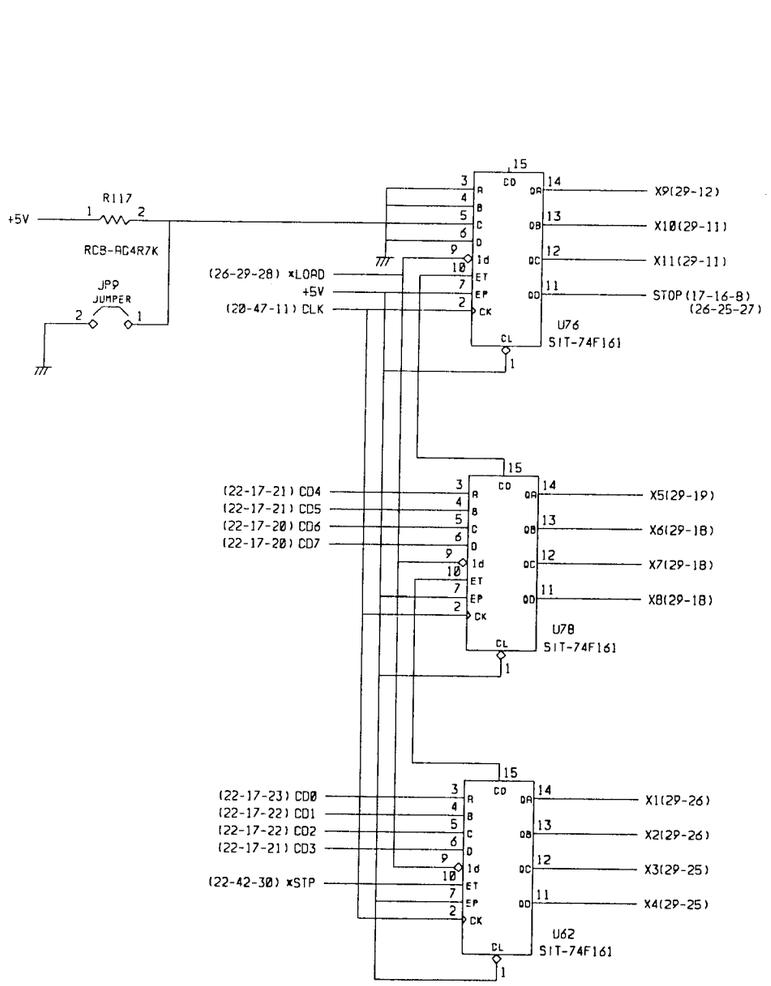
8.5-47

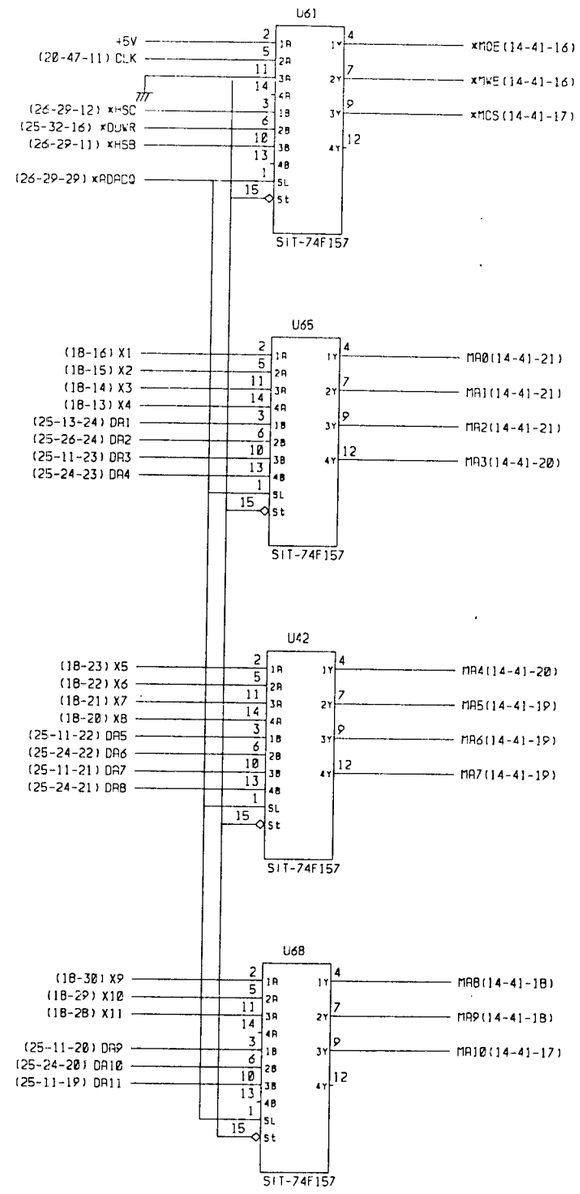


BLS-017013

TITLE
LOG/AD

8.5-48



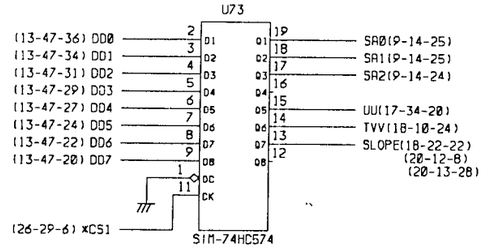


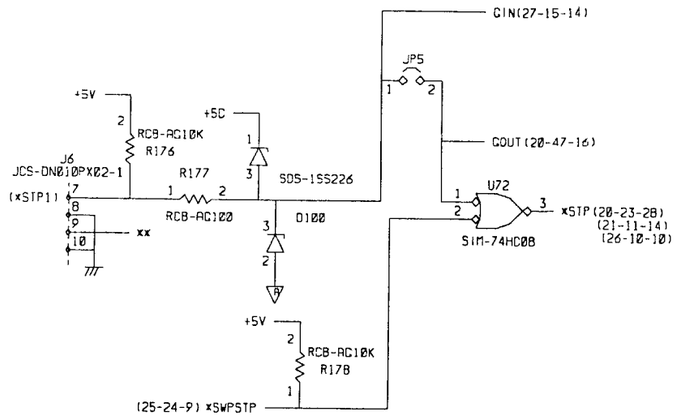
BLS-017013

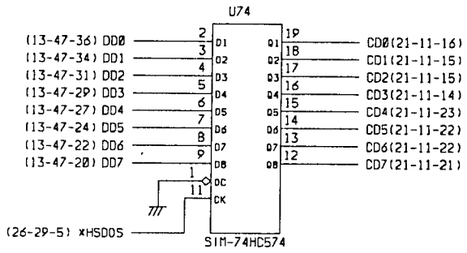
21

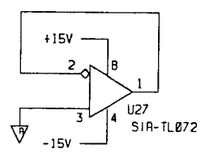
TITLE
LOC/AD

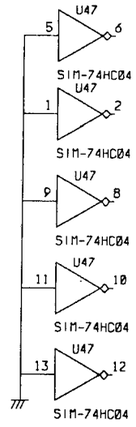
8.5-49

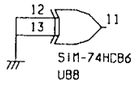


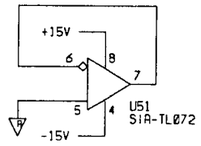


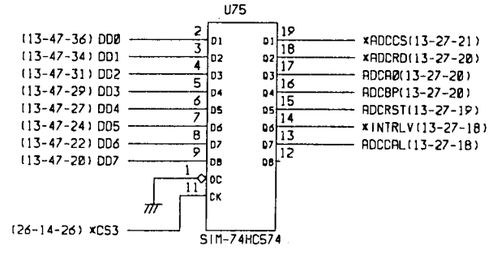


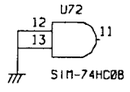


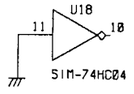




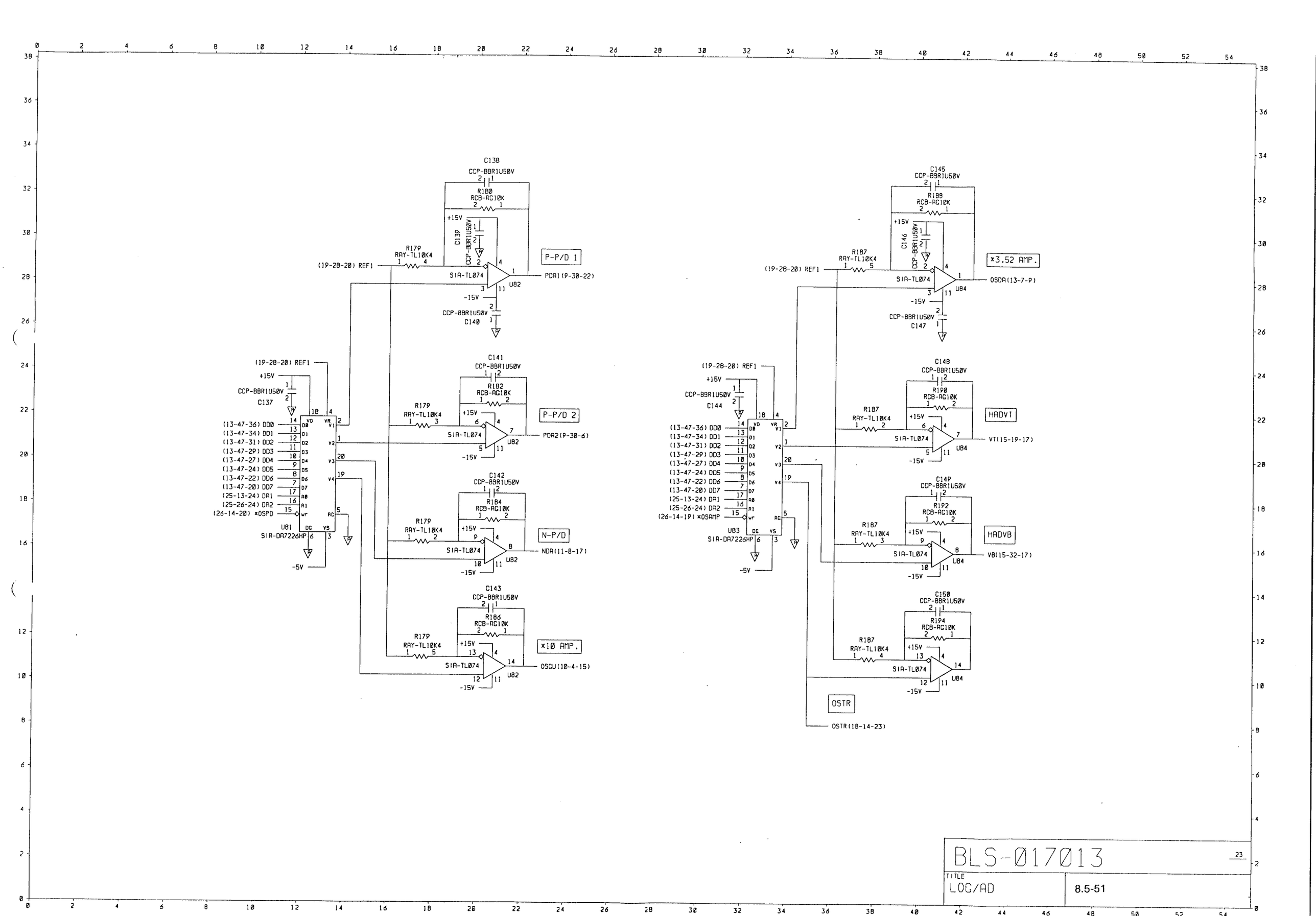








BLS-017013	22
TITLE LOGIC	8.5-50

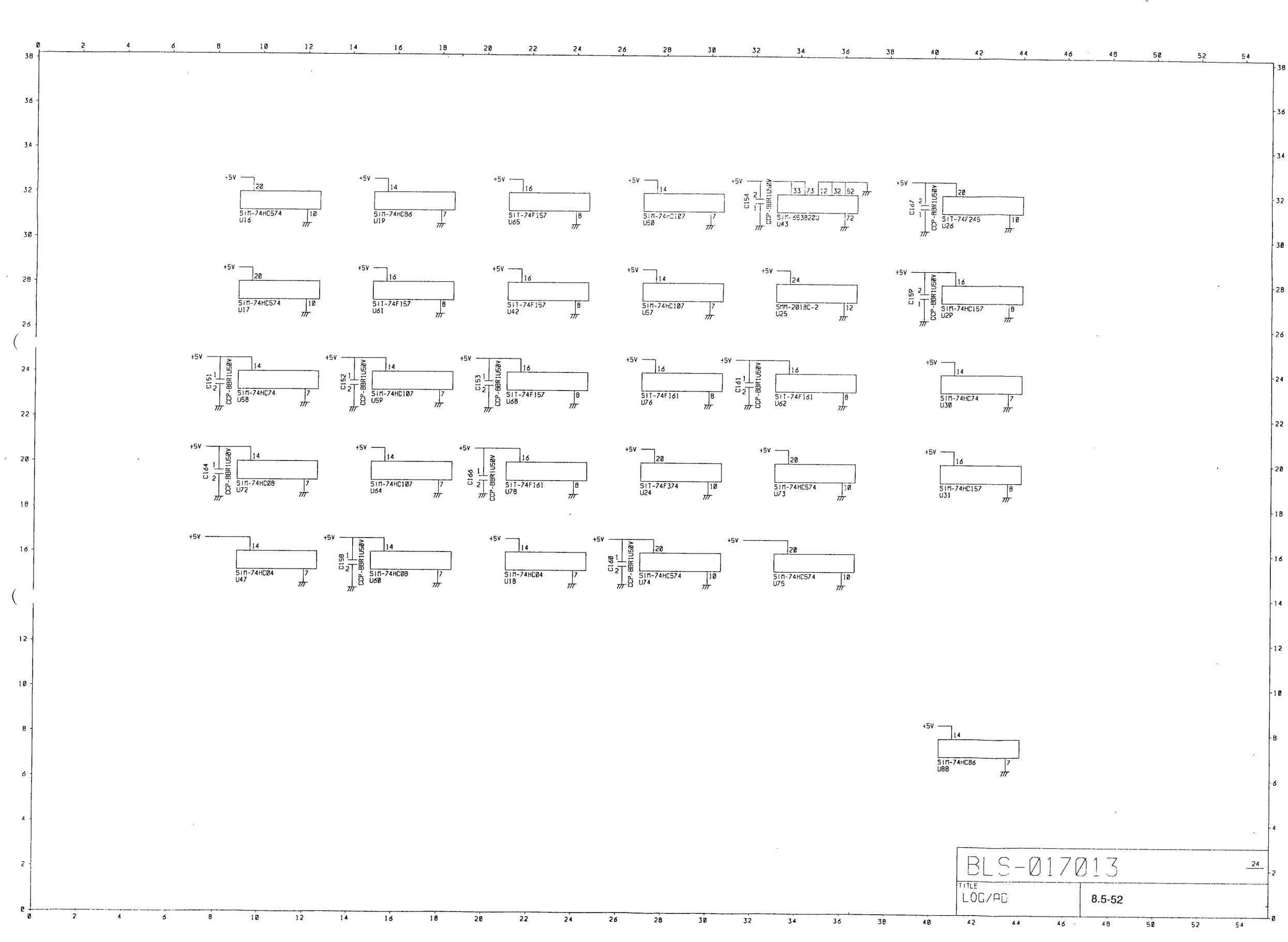


BLS-017013

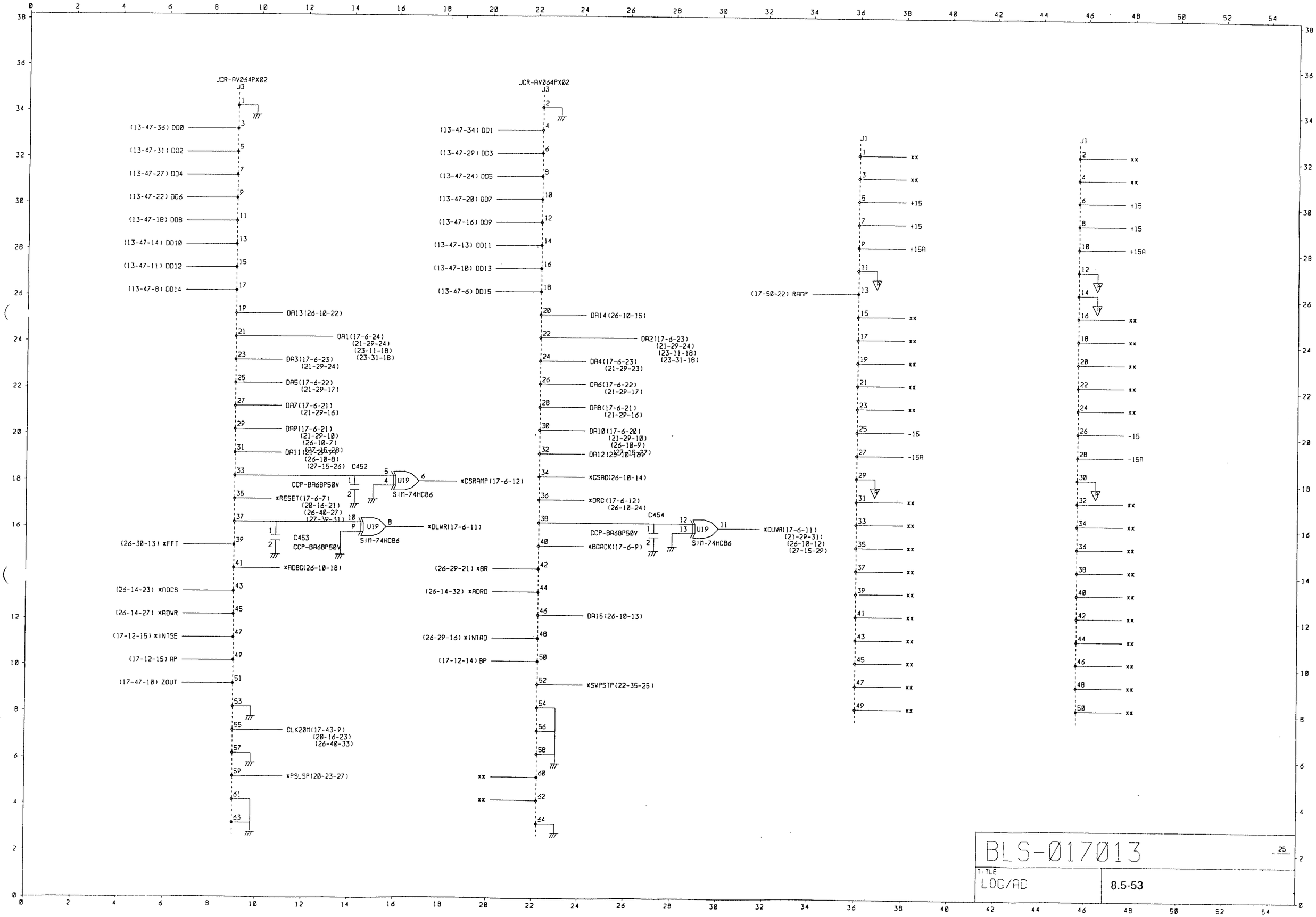
23

TITLE
LOG/AD

8.5-51



BLS-017013	24
TITLE: LOC/AD	8.5-52



BLS-017013

25

TITLE
LOC/AD

8.5-53

(LCA)

(20-26-29) LINE1 — 2
(18-48-27) VIDEO — 3
4 — xADRO(25-20-13)
(18-46-11) ODD — 5
(18-46-12) VSYNC — 6
7 — xDWR(13-39-15) (13-41-24)
8 — xBCRCK(17-6-9)
9 — xADWR(25-7-12)
10 — xCS3(22-12-9)
(17-12-18) 4M — 11
(25-24-17) xDRD — 13
14 — xADCS(25-7-13)
(25-11-25) DA13 — 15
(17-12-16) xADTRIG — 16
17 — xDSPDI(23-11-17)
18 — xOSAMP(23-31-17)
(25-11-14) xADBG — 19
(20-20-9) LCARST — 20
(25-24-19) DA12 — 21
(25-24-25) DA14 — 24
(25-24-18) xCSAD — 25
(25-24-12) DA15 — 26
(25-32-16) xDUWR — 27
35 — xHSA(14-41-9)
(22-42-30) xSTP — 37
(25-24-20) DA10 — 38
(25-11-19) DA11 — 39
(25-11-20) DA9 — 40
(20-18-10) EXT (20-26-12) (27-19-15) — 41
45 — SD(13-27-21)

U20
SIM-3042x70CS

46 — xRSTN(16-39-20)
(16-22-21) SLD2 — 47
48 — xRSTP(16-38-29)
(16-22-32) SLD1 — 49
(20-47-11) CLK — 50
51 — xADACD(14-41-26) (21-29-30)
56 — xLOAD(17-43-10) (21-11-28)
(2)-18-27) STOP — 57
58 — xNEGA(12-24-21)
59 — xPOSI(12-24-21)
(13-47-31) DD2 — 60
(13-47-29) DD3 — 61
62 — xSAMPLE(12-24-21)
63 — xBR(25-20-14)
65 — xCUP(9-4-11) (9-12-13) (10-19-20)
(13-35-11) xADCEOC — 66
(13-47-36) DD0 — 67
(13-47-34) DD1 — 68
69 — xINTAD(25-20-11)
(13-47-24) DD5 — 70
(13-47-27) DD4 — 71
72 — xFFT(9-4-11) (12-24-20) (16-22-5)
75 — xHSC(14-41-9) (25-7-15) (21-29-32) (43-12)
76 — xHSB(21-29-31)
(13-47-22) DD6 — 77
(13-47-28) DD7 — 78
79 — SP1(16-34-14)
80 — SP2(16-34-9)
81 — xCS1(22-12-26)
82 — xHSDOS(22-12-18)
83 — HLD(12-35-23)
(18-46-12) HSYNC — 84
(17-25-17) Z — 53

U22
SIM-3042x70CS

73 — PSWT(9-10-14)
23 — xCSSTP(27-15-30)
(16-17-12) SLD3 — 44
(25-11-7) CLK20M — 52
29 — SPL2(10-25-22)
30 — SPL1(10-25-21)
42 — xIREN(20-39-22)
28 — xHAD(17-32-12) (20-27-25)
55 — DONE(20-17-5)
(25-11-17) xRESET — 54
74 — CCLK(43-11)
36 — xLDC(44-8)
+5V — 12
22
64
JP3 JUMPER 1 2 — 32
31
R610 2 1 — 33
RCB-RG5R1K
1
43

U20
SIM-3042x70CS

(PROM)

(30-13) xFFT
(44-26) CCLK
+5V
7 8 2 1
U21
SIS-003063-1
3 4 6 5
(44-25) xLDC

J21
JC1-DN008JX01

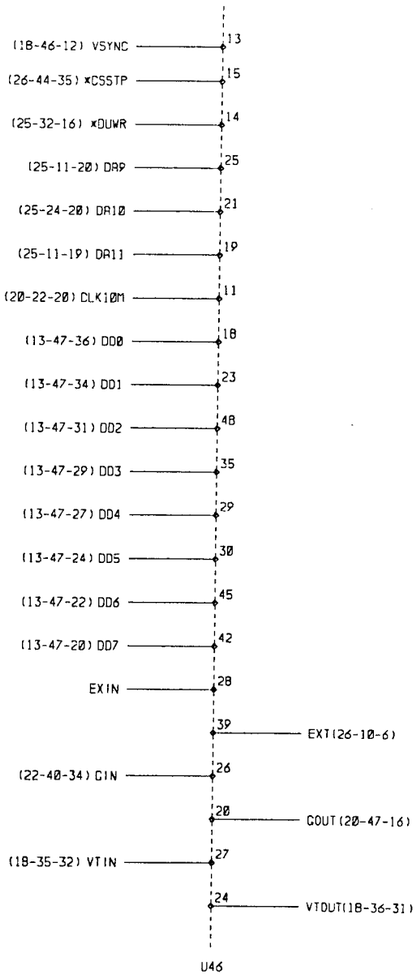
SMM-1736APD8C

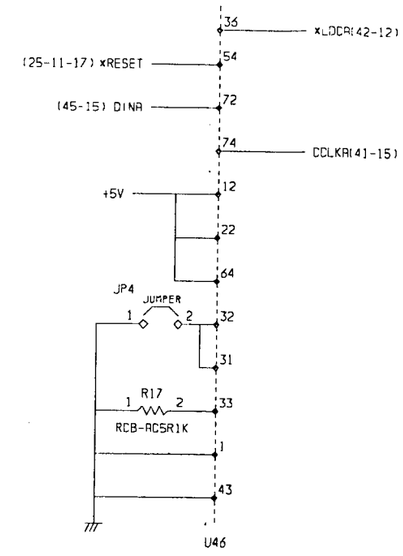
BLS-017013 — 26

TITLE
LOC/AD

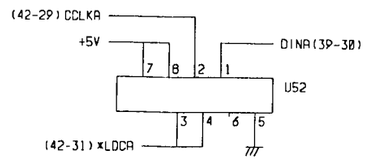
8.5-54

(LCA)

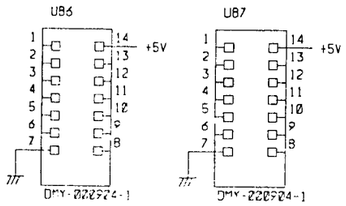




(PROM)



J11
JC1-DN008JX01



J12
JC1-CR0B4JX01

BLS-017013

27/27

TITLE
LOG/AD

8.5-55*

R3265/3271
CPU BLOCK
BLS-017500 (2 of 6)

Parts No.	Advantest Stock No.	Description					Note
J17	JCR-AF010PX02	CONNECTOR					
J18	JCP-BF003PX01	CONNECTOR					
L1 -2	LCL-T00084A	COIL				(CUSTOM DEVICE)	
Q1 -8	STP-UN4114-1	TRANSISTOR	PNP				
Q9	STP-2SA1015	TRANSISTOR	PNP				
Q10 -13	STN-2SC1815	TRANSISTOR	NPN				
R1 -6	RAY-AL3R9K8	FXD	RA	3.9kΩ	±20%		
R7 -8	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/8W	
R9	RMF-TC91KFJ	FXD		91kΩ			
R10	RMF-TC12KFJ	FXD		12kΩ			
R11	RCB-AG1R5K	FXD	CAR	1.5kΩ	±5%	1/8W	
R12	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/8W	
R13 -20	RCB-AG150	FXD	CAR	150Ω	±5%	1/8W	
R21 26	RAY-AL33K4	FXD	RA	33kΩ	±20%		
R27	RCB-AG6R8K	FXD	CAR	6.8kΩ	±5%	1/8W	
R28	RCB-AG10K	FXD	CAR	10kΩ	±5%	1/8W	
R29 -31	RCB-AG680	FXD	CAR	680Ω	±5%	1/8W	
R32	RCB-AG51	FXD	CAR	51Ω	±5%	1/8W	
R33	RCB-AG680	FXD	CAR	680Ω	±5%	1/8W	
R34	RCB-AG270	FXD	CAR	270Ω	±5%	1/8W	
R35	RCB-AG51	FXD	CAR	51Ω	±5%	1/8W	
R36	RCB-AG1K	FXD	CAR	1kΩ	±5%	1/8W	
R37	RCB-AG680	FXD	CAR	680Ω	±5%	1/8W	
R38	RCB-AG270	FXD	CAR	270Ω	±5%	1/8W	
R39	RCB-AG51	FXD	CAR	51Ω		1/8W	
R40	RCB-AG10K	FXD	CAR	10kΩ		1/8W	
R41	RCB-AG680	FXD	CAR	680Ω		1/8W	
R42	RCB-AG270	FXD	CAR	270Ω		1/8W	
R43 -44	RCB-AG1K	FXD	CAR	1kΩ		1/8W	
R45	RCB-AG220	FXD	CAR	220Ω		1/8W	
R46	RCB-AG330	FXD	CAR	330Ω		1/8W	
R47	RAY-AL1K8	FXD	RA	1kΩ			
R48	RCB-AG390	FXD	CAR	390Ω		1/8W	
R49 -51	RCB-AG2R2K	FXD	CAR	2.2kΩ		1/8W	
R52	RCB-AG560	FXD	CAR	560Ω		1/8W	
R53	RCB-AG120	FXD	CAR	120Ω		1/8W	
R54	RCB-AG330	FXD	CAR	330Ω		1/8W	
R55	RCB-AG820	FXD	CAR	820Ω		1/8W	
R56	RCB-AG680	FXD	CAR	680Ω		1/8W	
R57	RCB-AG220	FXD	CAR	220Ω		1/8W	

R3265/3271
CPU BLOCK
BLS-017500 (3 of 6)

Parts No.	Advantest Stock No.	Description	Note
R58	RCB-AG3R3K	FXD CAR 3.3kΩ 1/8W	
R59	RCB-AG470	FXD CAR 470Ω 1/8W	
R60	RCB-AG100	FXD CAR 100Ω 1/8W	
R61	RCB-AG1R5K	FXD CAR 1.5kΩ 1/8W	
R62	RCB-AG3R3K	FXD CAR 3.3kΩ 1/8W	
R63	RCB-AG220	FXD CAR 220Ω 1/8W	
R64	RCB-AG68	FXD CAR 68Ω 1/8W	
R65	RCB-AG10K	FXD CAR 10kΩ 1/8W	
R66	RCB-AG220	FXD CAR 220Ω 1/8W	
R67	RCB-AG680	FXD CAR 680Ω 1/8W	
R68 -69	RCB-AG1K	FXD CAR 1kΩ 1/8W	
R70	RCB-AG10K	FXD CAR 10kΩ 1/8W	
R71	RCB-AG1K	FXD CAR 1kΩ 1/8W	
R72	RCB-AG4R7K	FXD CAR 4.7kΩ 1/8W	
R73 -83	RAY-AL3R9K8	FXD RA 3.9kΩ	
R84	RCB-AG1K	FXD CAR 1kΩ 1/8W	
R86 -87	RAY-AL1K8	FXD RA 1kΩ	
R88	RCB-AG1K	FXD CAR 1kΩ 1/8W	
R89	RAY-AL1K8	FXD RA 1kΩ	
R90	RCB-AG3R9K	FXD CAR 3.9kΩ 1/8W	
R91	RCB-AG33	FXD CAR 33Ω 1/8W	
R92	RCB-AG10K	FXD CAR 10kΩ 1/8W	
R93	RVR-AK2K	VR 2kΩ	
TP1 -9	JTE-AH001JX01		
U1	SIM-68HC000PGC-2	16bit MICROPROCESSOR	
U2	SIA-TL7700	VOLTAGE COMPARATER	
U3	SIM-74HC14S	HEX SCHMITT-TRIGGER INVERTERS	
U4	SIM-74HC05S	HEX INVERTERS WITH OPEN-COLLECTOR OUTPUTS	
U5	SIM-74HC30S	8-INPUT POSITIVE-NAND GATES	
U6	SIM-74HC138S	3-LINE TO 8-LINE DECODERS	
U7	SIM-74HC273S	OCTAL D-TYPE FLIP-FLOPS WITH CLEAR	
U8	SIM-74HC04S	HEX INVERTERS	
U9	SIM-654146	PARALLEL-SERIAL CONNECTORS AND DECODER	
U10 -11	SIM-74HC138S	3-LINE TO 8-LINE DECODERS	
U12	SIM-74HC164S	8-BIT PARALLEL-OUT SERIAL SHIFT REGISTERS	
U13 -15	SIM-74HC32S	QUAD 2-INPUT POSITIVE-OR GATES	
U16	SIM-74HC74S	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U17	SIT-74LS11S	TRIPLE 3-INPUT POSITIVE-AND GATES	
U18 -19	SIM-74HC148S	8-LINE TO 3-LINE PRIORITY ENCODERS	
U20	SIM-74HC244S	OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS	

R3265/3271
CPU BLOCK
BLS-017500 (4 of 6)

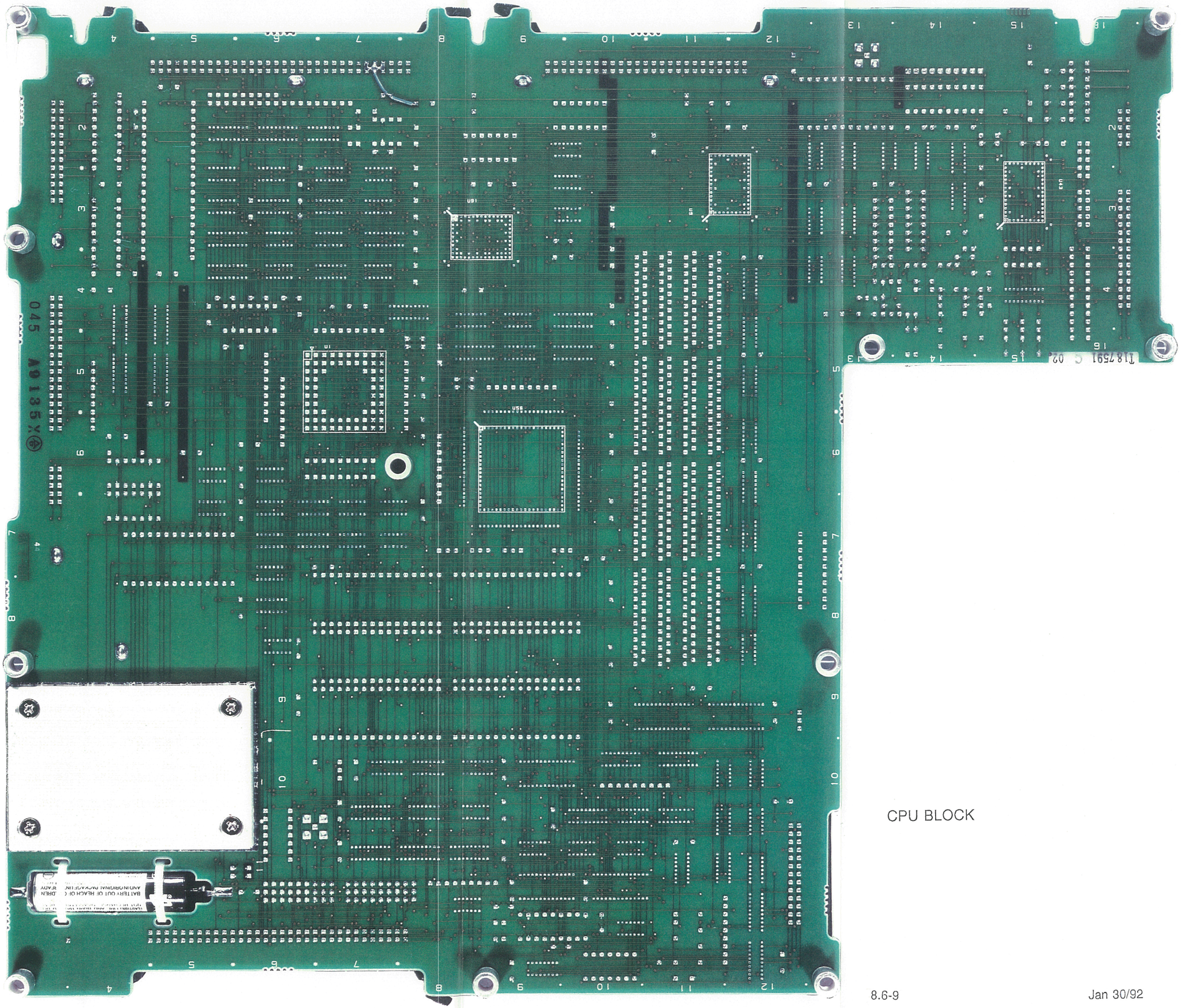
Parts No.	Advantest Stock No.	Description	Note
U21	SIM-74HC32S	QUAD 2-INPUT POSITIVE-OR GATES	
U22	SIM-74HC04S	HEX INVERTERS	
U23	SIM-74HC74S	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U24	SIT-74LS07	HEX BUFFERS/DRIVERS WITH OPEN COLLECTOR HIGH-VOLTAGE OUTPUTS	
U25	SIM-74HC08S	QUADRUPLE 2-INPUT POSITIVE-AND GATES	
U26	SIM-74HC00S	QUADRUPLE 2-INPUT POSITIVE-NAND GATES	
U27	SIM-74HC02S	QUADRUPLE 2-INPUT POSITIVE-NOR GATES	
U28	SMM-27C2001D15-1	262144 WORD X 8-BIT EPROM	
U29	SMM-27C2001D15-1	262144 WORD X 8-BIT EPROM	
U30	SMM-27C2001D15-1	262144 WORD X 8-BIT EPROM	
U31	SMM-27C2001D15-1	262144 WORD X 8-BIT EPROM	
U32 -33	SMM-658128LP12	131072 WORD X 8-BIT PSEUDO STATIC RAM	
U34	SIM-74HC08S	QUADRUPLE 2-INPUT POSITIVE-AND GATES	
U35	SIM-74HC74S	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U36	SIM-74HC27S	TRIPLE 3-INPUT POSITIVE-NOR GATES	
U37	SIM-74HC08S	QUADRUPLE 2-INPUT POSITIVE-AND GATES	
U38	SIM-74HC74S	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U39	SIM-74HC32S	QUAD 2-INPUT POSITIVE-OR GATES	
U40 -41	SMM-58C66*25S-1	8K WORD X 8-BIT E²PROM	
U42	SMM-8464CS	8K WORD X 8-BIT STATIC RAM	
U43	SIM-61H06B23F-1	KEY CONTROLLER	
U44	SIM-74HC273S	OCTAL D-TYPE FLIP-FLOP WITH CLEAR	
U45	SIM-74HC4538S	DUAL MONOSTABLE MULTIVIBRAT WITH CLEAR	
U46	SIT-74F74S	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U47	SIT-74LS00S	QUAD 2-INPUT POSITIVE-NAND GATES	
U48	SIA-1675	HIGH FREQUENCY WIDE-BAND AMPLIFER	
U49 -50	SIA-1676	HIGH FREQUENCY WIDE-BAND AMPLIFER	
U51	SIM-74HC04S	HEX INVERTERS	
U52	SIM-620410	TRIPLE CLOCK COUNTERS	
U53	SIM-9914	GP-IB CONTROLLER	
U54	SIT-75161	OCTAL GP-IB TRANSCEIVERS	
U55	SIT-75160	OCTAL GP-IB TRANSCEIVERS	
U56	SIM-95C60*20KC-1	GRAPHIC CONTROLLER	
U57 -59	SIT-74F244S	OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS	
U60	SIT-74F175S	QUADRUPLE D-TYPE FLIP-FLOP WITH CLEAR	
U61	SIM-74HC161S	SYNCHRONOUS 4-BIT BINARY COUNTERS	
U62	SIM-74HC374S	OCTAL D-TYPE EDGE-TRIGGERED FLIP-FLOP	
U63	SIM-74HC20S	DUAL 4-INPUT POSITIVE-NAND GATES	
U64 -67	SMM-4461A	64K WORD X 4-BIT VIDEO RAM	
U68 -69	SIM-74HC166S	8-BIT SHIFT REGISTER	

R3265/3271
CPU BLOCK
BLS-017500 (5 of 6)

Parts No.	Advantest Stock No.	Description	Note
U70 -73	SMM-4461A	64K WORD X 4-BIT VIDEO RAM	
U74 -75	SIM-74HC166S	8-BIT SHIFT REGISTER	
U76 -79	SMM-4461A	64K WORD X 4-BIT VIDEO RAM	
U80 -81	SIM-74HC166S	8-BIT SHIFT REGISTER	
U82 -85	SMM-4461A	64K WORD X 4-BIT VIDEO RAM	
U86 -87	SIM-74HC166S	8-BIT SHIFT REGISTER	
U88 -89	SIM-74HC08S	QUADRUPLE 2-INPUT POSITIVE-AND GATES	
U90	SIM-74HC32S	QUADRUPLE 2-INPUT POSITIVE-OR GATES	
U91	SIM-654815	DECODER AND CLOCK GENERATOR	
U92	SIM-74HC244S	OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS	
U93	SIM-74HC32S	QUADRUPLE 2-INPUT POSITIVE-OR GATES	
U94 -97	SIM-74HC245S	OCTAL BUS TRANCEIVERS WITH 3-STATE OUTPUTS	
U98	SIM-74HC367S	HEX BUS DRIVERS	
U99	SIM-74HC08S	QUADRUPLE 2-INPUT POSITIVE-AND GATES	
U100	SIM-74HC245S	OCTAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS	
U101	SIM-74HC244S	OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS	
U102	SIM-74HC367S	HEX BUS DRIVERS	
U103	SIT-74F245S	OCTAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS	
U104	SIM-74HC541S	OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS	
U105	SIT-74F74S	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U106 -107	SMM-55257*10S-1	64K WORD X 8-BIT LOW POWER STATIC RAM	
U108	SIT-PAL16R4BNC	PAL 16R4	
U109	SIM-NS32081D	FLOWTING POINTS UNIT	
U110	SIT-74LS03	QUADRUPLE 2-INPUT POSITIVE-NAND GATES WITH OPEN-COLLECTOR OUTPUTS	
U111	SIM-62421	REAL TIME CLOCK	
U112	SIT-74LS85S	4-BIT MAGNITUDE COMPARATORS	
U113 -115	SIM-74HC157S	QUADRUPLE 2-LINE TO 1-LINE DATA SELECTORS	
U116 -117	SIM-74HC534S	OCTAL D-TYPE EDGE-TRIGGERED FLIP-FLOP	
U118 -119	SIT-74LS348S	8-LINE TO 3-LINE PRIORITY ENCODERS WITH 3-STATE OUTPUTS	
U120	SIM-74HC240S	OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS	
U126	SIM-74HC32S	QUADRUPLE 2-INPUT POSITIVE-OR GATES	
U127	SIM-74HC04S	HEX INVERTER	
U128 -129	SIM-74HC245S	OCTAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS	
U130 -131	SIM-74HC244S	OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS	
U132	SIM-74HC393S	DUAL 4-BIT BINARY COUNTERS	
U133	SIM-74HC74S	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U134	SIM-74HC86S	QUADRUPLE 2-INPUT EXCLUSIVE-OR-GATES	
U137	SIT-74F04S	HEX INVERTERS	
U138	SIT-74LS27S	TRIPLE 3-INPUT POSITIVE-NOR GATES	
U139	SIT-74LS390S	DUAL DECADE COUNTERS	

Parts No.	Advantest Stock No.	Description	Note
U140	SIT-74LS375S	4-BIT BISTABLE LATCHES	
U141	SIT-74F10S	TRIPLE 3-INPUT POSITIVE NAND GATES	
U142	SIM-74HC04S	HEX INVERTERS	
U143	SIM-74HC74S	DUAL D-TYPE POSITIVE EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR	
U144	SIM-74HC08S	QUADRUPLE 2-INPUT POSITIVE-AND GATES	
U146	SIM-74HC74S	DUAL D-TYPE POSITIVE EDGE TRIGGERED FLIP = FLOP WITH RESET AND CLEAR	
U148	SIM-74HC74S	DUAL D-TYPE POSITIVE EDGE TRIGGERED FLIP = FLOP WITH RESET AND CLEAR	
U149	SIM-8251	UNIVERSAL SYNCHRONOUS/ASYNCHRONOUS RECEIVER/TRANSMITTER	
U150	SIT-75188	QUAD LINE DRIVER	
U151	SIT-75189	QUAD LINE RECEIVER	
U152	SIM-74HC04S	HEX INVERTER	
U153	SIA-1676	HIGH FREQUENCY WIDE-BAND AMPLIFIER	
U154	SIM-74HC14S	HEX SCHMITT-TRIGGER INVERTERS	

CPU BLOCK



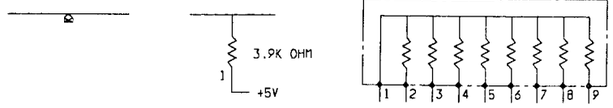
CPU BLOCK

DIAGRAMS ILLUSTRATION

SYMBOLS REFERENCE DESIGNATORS

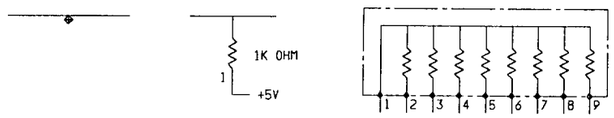
RESISTOR

(1) RAY-AL3R9K8



SYMBOL CIRCUIT PART

(2) RAY-AL1K8



SYMBOL CIRCUIT PART

2) IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

BLS-017500		1
TITLE CPU	8.6-10	

JCR-AV064PX02
DIGITAL BUS
J 2

J 7

J 8 J 9

J 14

J 10
MEMORY CARD I/F
JCR-AF026PX02

J 15
PRE-SELECTOR I/F
JCR-AF034PX02

J 5
CRT I/F
JCR-BZ010PX02

J 6

J 4
GP-IB I/F
JCR-AF026PX02

JCR-AF030PX02
KEY I/F
J 12

J 11
INPUT UNIT I/F
JCR-AF010PX02

J 6 EXT. CRT I/F
J 7 80 MHZ IN
J 8 IF CLOCK
J 9 YTO IF CLOCK
J 14 20 MHZ FOR ADJ

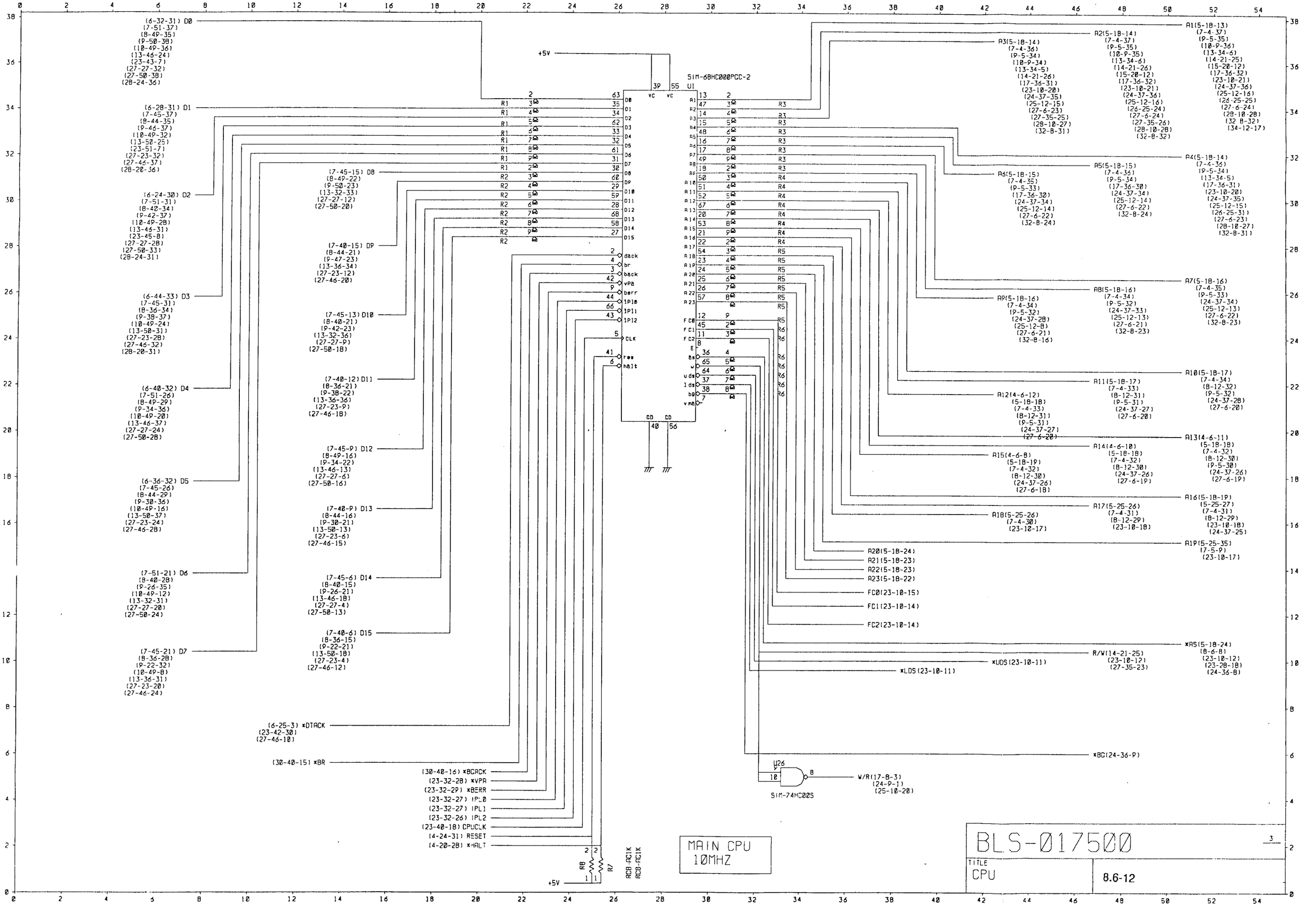
J 1
ANALOG BUS
JCR-AV064PX02

J 3
POWER BUS
JCR-AV050PX02

R3265/71 CPU BOARD BLS-017500

BLS-017500 2

TITLE
CPU


SIM-68HC000PGC-2
U1
+5V
VC
GD
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
dack
br
back
VPA
berr
IPL0
IPL1
IPL2
CLK
reset
halt
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
A22
A23
FC0
FC1
FC2
as
uds
lds
rmw
R1
R2
R3
R4
R5
R6
R7
R8
(6-32-31) D0 (7-51-37) (8-49-35) (9-50-38) (10-49-36) (13-46-24) (23-43-7) (27-27-32) (27-50-38) (28-24-36)
(6-28-31) D1 (7-45-37) (8-44-35) (9-46-37) (10-49-32) (13-50-25) (23-51-7) (27-23-32) (27-46-37) (28-20-36)
(6-24-30) D2 (7-51-31) (8-40-34) (9-42-37) (10-49-28) (13-46-31) (23-45-8) (27-27-28) (27-50-33) (28-24-31)
(6-44-33) D3 (7-45-31) (8-36-34) (9-38-37) (10-49-24) (13-50-31) (27-23-28) (27-46-32) (28-20-31)
(6-40-32) D4 (7-51-26) (8-49-29) (9-34-36) (10-49-20) (13-46-37) (27-27-24) (27-50-28)
(6-36-32) D5 (7-45-26) (8-44-29) (9-30-36) (10-49-16) (13-50-37) (27-23-24) (27-46-28)
(7-51-21) D6 (8-40-28) (9-26-35) (10-49-12) (13-32-31) (27-27-20) (27-50-24)
(7-45-21) D7 (8-36-28) (9-22-32) (10-49-8) (13-36-31) (27-23-20) (27-46-24)
(7-45-15) D8 (8-49-22) (9-50-23) (13-32-33) (27-27-12) (27-50-20)
(7-40-15) D9 (8-44-21) (9-47-23) (13-36-34) (27-23-12) (27-46-20)
(7-45-13) D10 (8-40-21) (9-42-23) (13-32-36) (27-27-9) (27-50-18)
(7-40-12) D11 (8-36-21) (9-38-22) (13-36-36) (27-23-9) (27-46-18)
(7-45-9) D12 (8-49-16) (9-34-22) (13-46-13) (27-27-6) (27-50-16)
(7-40-9) D13 (8-44-16) (9-30-21) (13-50-13) (27-23-6) (27-46-15)
(7-45-6) D14 (8-40-15) (9-26-21) (13-46-18) (27-27-4) (27-50-13)
(7-40-6) D15 (8-36-15) (9-22-21) (13-50-18) (27-23-4) (27-46-12)
(6-25-3) xDTACK (23-42-30) (27-46-10)
(30-40-15) xBR
(30-40-16) xBGACK
(23-32-28) xVPA
(23-32-29) xBERR
(23-32-27) IPL0
(23-32-27) IPL1
(23-32-26) IPL2
(23-40-18) CPUCLK
(4-24-31) RESET
(4-20-28) xHALT
RCB:AC1K
RCB-AC1K
A1(5-18-13) (7-4-37) (9-5-35) (10-9-36) (13-34-6) (14-21-25) (15-20-12) (17-36-32) (23-10-21) (24-37-36) (25-12-16) (26-25-25) (27-6-24) (28-10-28) (32-B-32) (34-12-17)
A2(5-18-14) (7-4-37) (9-5-35) (10-9-35) (13-34-6) (14-21-26) (15-20-12) (17-36-32) (23-10-21) (24-37-36) (25-12-16) (26-25-24) (27-6-24) (27-35-26) (28-10-28) (32-B-32)
A3(5-18-14) (7-4-36) (9-5-34) (10-9-34) (13-34-5) (14-21-26) (17-36-31) (23-10-20) (24-37-35) (25-12-15) (27-6-23) (27-35-25) (28-10-27) (32-B-31)
A4(5-18-14) (7-4-36) (9-5-34) (13-34-5) (17-36-31) (23-10-20) (24-37-35) (25-12-15) (26-25-31) (27-6-23) (28-10-27) (32-B-31)
A5(5-18-15) (7-4-36) (9-5-34) (17-36-30) (24-37-34) (25-12-14) (27-6-22) (32-B-24)
A6(5-18-15) (7-4-35) (9-5-33) (17-36-30) (24-37-34) (25-12-14) (27-6-22) (32-B-24)
A7(5-18-16) (7-4-35) (9-5-33) (24-37-34) (25-12-13) (27-6-22) (32-B-23)
A8(5-18-16) (7-4-34) (9-5-32) (24-37-33) (25-12-13) (27-6-21) (32-B-23)
A9(5-18-16) (7-4-34) (9-5-32) (24-37-28) (25-12-8) (27-6-21) (32-B-16)
A10(5-18-17) (7-4-34) (8-12-32) (9-5-32) (24-37-28) (27-6-20)
A11(5-18-17) (7-4-33) (8-12-31) (9-5-31) (24-37-27) (27-6-20)
A12(4-6-12) (5-18-18) (7-4-33) (8-12-31) (9-5-31) (24-37-27) (27-6-20)
A13(4-6-11) (5-18-18) (7-4-32) (8-12-30) (9-5-30) (24-37-26) (27-6-19)
A14(4-6-10) (5-18-18) (7-4-32) (8-12-30) (24-37-26) (27-6-19)
A15(4-6-8) (5-18-19) (7-4-32) (8-12-30) (24-37-26) (27-6-18)
A16(5-18-19) (5-25-27) (7-4-31) (8-12-29) (23-10-18) (24-37-25)
A17(5-25-26) (7-4-31) (8-12-29) (23-10-18)
A18(5-25-26) (7-4-30) (23-10-17)
A19(5-25-35) (7-5-9) (23-10-17)
A20(5-18-24)
A21(5-18-23)
A22(5-18-23)
A23(5-18-22)
FC0(23-10-15)
FC1(23-10-14)
FC2(23-10-14)
xAS(5-18-24) (8-6-8) (23-10-12) (23-28-18) (24-36-8)
R/W(14-21-25) (23-10-12) (27-35-23)
xUDS(23-10-11)
xLDS(23-10-11)
xBG(24-36-9)
U26
SIM-74HC00S
W/R(17-8-3) (24-9-1) (25-10-20)
MAIN CPU 10MHZ
BLS-017500
3
TITLE
CPU
8.6-12

RESET

SIM-74HC14S U3 — xRESET(3P-8) (5-30-17) (6-42-12) (9-19-3) (10-34-28) (13-34-7) (15-17-9) (23-10-3) (26-25-13) (34-12-16)

SIM-74HC14S U3 — xRESET1 (17-36-23) (25-12-6) (27-5-31) (27-35-22) (28-10-26) (28-14-21) (28-36-16) (32-6-4)

SIM-74HC02S U4 — RESET(3-21-2)

+5V

RMF-TC91KFJ RP 2 1

RMF-TC12KFJ R10 2 1

RCB-AC1K5K R11 2 1

U2 S1A-TL7700 (VS, VC, RS, CT, CD)

C1 2 1 CTA-AC3R3U16V

SIM-74HC14S U3 — SIM-74HC05S U4 — xHALT(3-21-2)

IVRST(6-26-8)

WAIT

SIM-74HC30S U5

+5V
(5-44-31) xRAM
(5-44-29) xLCSET
(5-26-12) xCSSIO
(17-48-22) xPSCACK
(5-46-22) xBRPE
(5-47-13) xDTACK1
(5-44-37) xROM
→ xWAIT(23-10-2)

SIM-74HC138S U6

(3-42-22) A12
(3-51-20) A13
(3-47-19) A14
(23-32-30) xCLRLC
(23-51-10) xLWR
(3-42-19) A15

→ xGRST(15-17-8)
→ xSWP2CLR(9-19-3)
→ xM1CLR(9-19-4)
→ xCLRSTP(9-19-4)
→ xRTCCLR(28-14-21)
→ xOVRCLR(28-36-16)
→ xCNTCLR(13-39-4)

U8 SIM-74HC04S

LG-CLEAR

DISP-CONTRL

SIM-74HC273S U7

(6-32-31) D0 (7-51-37) (8-49-35) (9-50-38) (10-49-36) (13-46-24) (23-43-7) (27-27-32) (27-50-38) (28-24-36)

(6-28-31) D1 (7-45-37) (8-44-35) (9-46-37) (10-49-32) (13-50-25) (23-51-7) (27-23-32) (27-46-37) (28-20-36)

(6-24-30) D2 (7-51-31) (8-40-34) (9-42-37) (10-49-28) (13-46-31) (23-45-8) (27-27-28) (27-50-33) (28-24-31)

(6-44-33) D3 (7-45-31) (8-36-34) (9-38-37) (10-49-24) (13-50-31) (27-23-28) (27-46-32) (28-20-31)

(6-40-32) D4 (7-51-26) (8-49-29) (9-34-36) (10-49-28) (13-46-37) (27-27-24) (27-50-28)

(6-36-32) D5 (7-45-26) (8-44-29) (9-30-36) (10-49-16) (13-50-37) (27-23-24) (27-46-28)

(7-51-21) D6 (8-40-28) (9-26-35) (10-49-12) (13-32-31) (27-27-20) (27-50-24)

(7-45-21) D7 (8-36-28) (9-22-32) (10-49-8) (13-36-31) (27-23-20) (27-46-24)

→ BLT0(22-5-26)
→ BLT1(22-5-22)
→ BLT2(22-5-10)
→ xCLRM0(18-14-1)
→ xCLRM1(19-15-2)
→ xC_RM2(20-15-0)
→ xCLRM3(21-15-0)

(23-32-30) xDPCNT

(32-36) xRESET (14-37-21)

BLS-017500	4
TITLE CPU	8.6-13

ADDRESS DECODER

&

PARALLEL == SERIAL CONV.

ROM 1 = 000000 - 07FFFF (256KW)
ROM 2 = 080000 - 0FFFFF (256KW)
RVROM = 100000 - 1FFFFF (512KW)
RAM = 200000 - 23FFFF (128KW)
LCSET = 300000 -
ACSET = 400000 -
SLI/O = 500000 -
FPUSET= 600000 -
PRESEL= 700000 -

(3-51-15) A19
(3-51-17) A16
(3-47-17) A17
(3-42-16) A18
(3-51-11) xA5
(3-37-15) A20
(3-37-14) A21
(3-37-14) A22
(3-37-14) A23
(3-51-17) A16
(3-42-19) A15
(3-47-19) A14
(3-51-20) A13
(3-42-22) A12
(3-47-22) A11
(3-51-23) A10
(3-42-26) A9
(3-47-26) A8
(3-51-27) A7
(3-42-31) A6
(3-47-32) A5
(3-51-32) A4
(3-42-37) A3
(3-47-37) A2
(3-51-38) A1
(6-32-31) D0 (7-51-37) (8-49-35) (9-50-38) (10-49-36) (13-46-24) (23-43-7) (27-27-32) (27-50-38) (28-24-36)
(6-28-31) D1 (7-45-37) (8-44-35) (9-46-37) (10-49-32) (13-50-25) (23-51-7) (27-23-32) (27-46-37) (28-20-36)
(6-24-30) D2 (7-51-31) (8-40-34) (9-42-37) (10-49-28) (13-46-31) (23-45-8) (27-27-28) (27-52-33) (28-24-31)
(6-44-33) D3 (7-45-31) (8-36-34) (9-38-37) (10-49-24) (13-50-31) (27-23-28) (27-46-32) (28-20-31)
(6-40-32) D4 (7-51-26) (8-49-29) (9-34-36) (10-49-20) (13-46-37) (27-27-24) (27-50-29)
(6-36-32) D5 (7-45-26) (8-44-29) (9-38-36) (10-49-16) (13-50-37) (27-23-24) (27-46-28)
(7-51-21) D6 (8-40-28) (9-26-35) (10-49-12) (13-32-31) (27-27-20) (27-50-24)
(7-45-21) D7 (8-36-28) (9-22-32) (10-49-8) (13-36-31) (27-23-20) (27-46-24)
(6-14-10) xSLCS
(6-14-20) xSLWR
(6-14-19) xSLRD
(6-34-15) xSLRST
(23-40-14) 2.5M
+5V
(6-52-10) SIN
(4-32-36) xRESET (14-37-21)
(23-48-16) 10M
(23-44-25) xWR
+5V

SIM-654146 UP

SIM-74HC32S U13
SIM-74HC04S U8
SIM-74HC32S U14
SIM-74HC138S U10
SIM-74HC32S U14
SIM-74HC138S U11
SIT-74LS11S U17
SIM-74HC32S U15
SIM-74HC164S U12
SIM-74HC04S U8
SIM-74HC32S U15
SIM-74HC74S U16

xROM(4-8-17)
xROM1(7-5-12)
xROM2(7-5-1) (7-5-11)
xRVROM(7-5-0)
xRAM(4-8-20) (8-6-10) (8-6-15) (32-34-4)
xLCSET(4-8-19) (23-10-12)
xEXT(24-32-19)
xFPUSEL(27-35-24)
xFPUPOL(27-35-23)
xBRVON(32-6-7)
xBRVOFF(32-6-4)
xPEN(32-41-5)
xBRPE(4-8-18)
xCSRF(31-36-22)
xCSLOG(31-16-22)
xCSIF1(31-16-21)
xCSIF2(31-36-21)
xCSSYN(31-16-20)
xSLI/O(6-7-18)
xPRESEL(17-8-4) (17-36-24)
xCSSIO(4-8-19) (34-12-18)
SCLK(6-7-14) (6-42-18)
SOUT(6-42-15)
xINTSL(23-10-8)
xWAIT2(6-5-9)
xDTACK(4-8-18)
xRAWR(25-12-7)
xANGATE(25-12-19)

BLS-017500 5

TITLE CPU

8.6-14

(23-32-31) xRDINT

+5V

SIM-74HC148S
U18

(28-52-26) xINTOVR
(30-20-12) xINTSE
(23-40-14) xINTTM
(13-48-8) xINTCNT
(30-40-12) xINTAD

SIM-74HC148S
U19

(34-33-16) xINTSIO
(9-33-5) xINTPSWP
(17-48-22) xINTPSL

SIM-74HC244S
U20

xINT4(23-10-7)
xINT3(23-10-7)

D3(3-8-26)
(4-35-20)
(5-9-11)
(14-17-36)
(15-17-36)
(17-8-32)
(23-4-30)
(24-9-32)
(25-10-32)
(26-18-36)
(32-30-31)
(34-15-26)

D4(3-8-22)
(4-39-20)
(5-9-7)
(14-21-36)
(15-21-35)
(17-4-28)
(23-8-33)
(24-5-28)
(25-6-28)
(26-22-36)
(32-26-27)
(34-5-23)

D5(3-8-18)
(4-42-;9)
(5-9-4)
(14-5-28)
(15-5-32)
(17-8-28)
(23-4-34)
(24-9-28)
(25-10-28)
(26-26-35)
(32-30-26)
(34-8-22)

D0(3-8-38)
(4-22-21)
(5-4-12)
(14-5-38)
(15-5-37)
(17-4-36)
(23-8-26)
(24-5-36)
(25-6-36)
(26-5-37)
(32-26-36)
(34-5-28)

D1(3-8-34)
(4-27-21)
(5-4-8)
(14-9-37)
(15-9-37)
(17-8-36)
(23-4-26)
(24-9-36)
(25-10-36)
(26-10-37)
(32-30-36)
(34-8-27)

D2(3-8-30)
(4-31-21)
(5-4-4)
(14-13-37)
(15-13-37)
(17-4-32)
(23-8-30)
(24-5-32)
(25-6-32)
(26-14-37)
(32-26-31)
(34-12-27)

INTERRUPT
PRIORITY ENCODER

J11 SERIRL I/F
TO INPUT UNIT
(JCR-AF010PX02)

PARA/SERI CONV. C.A.
TIMING ADJ. FOR 68000

xSLWR(5-19-8)
xSLRD(5-19-8)

SIM-74HC32S
U21

(5-26-13) xSLI/O
(23-47-10) xLWR1

(23-47-14) xRD1

(5-26-9) SCLK

SIM-74HC74S
U16

SIM-74HC04S
U22

CSM-BA150P50V
C2

C3

SIM-74HC08S

SIM-74HC00S

SIM-74HC02S

U25
U26
U27

(23-32-29) xBERR

(4-20-27) IVRST

xSLRST(5-19-7)

SIM-74HC32S
U13

(5-26-6) xWAIT2

xSLCS(5-19-9)

U23
SIM-74HC74S

SIM-74HC04S

+5V

SIT-74LS07
U15
U24

R12
RCB-AC1K

xDTACK(3-14-7)

+5V
RP0
RCB-AC3R9K

xINUT
xINUT(23-37-8)

J11
JCR-AF010PX02

RCB-AC150
RCB-AC150

(5-26-9) SCLK
R13
R14
SLCLK
C4
CSM-BA150P50V

GND

(5-26-8) SOUT
R15
R16
SLOUT
C5

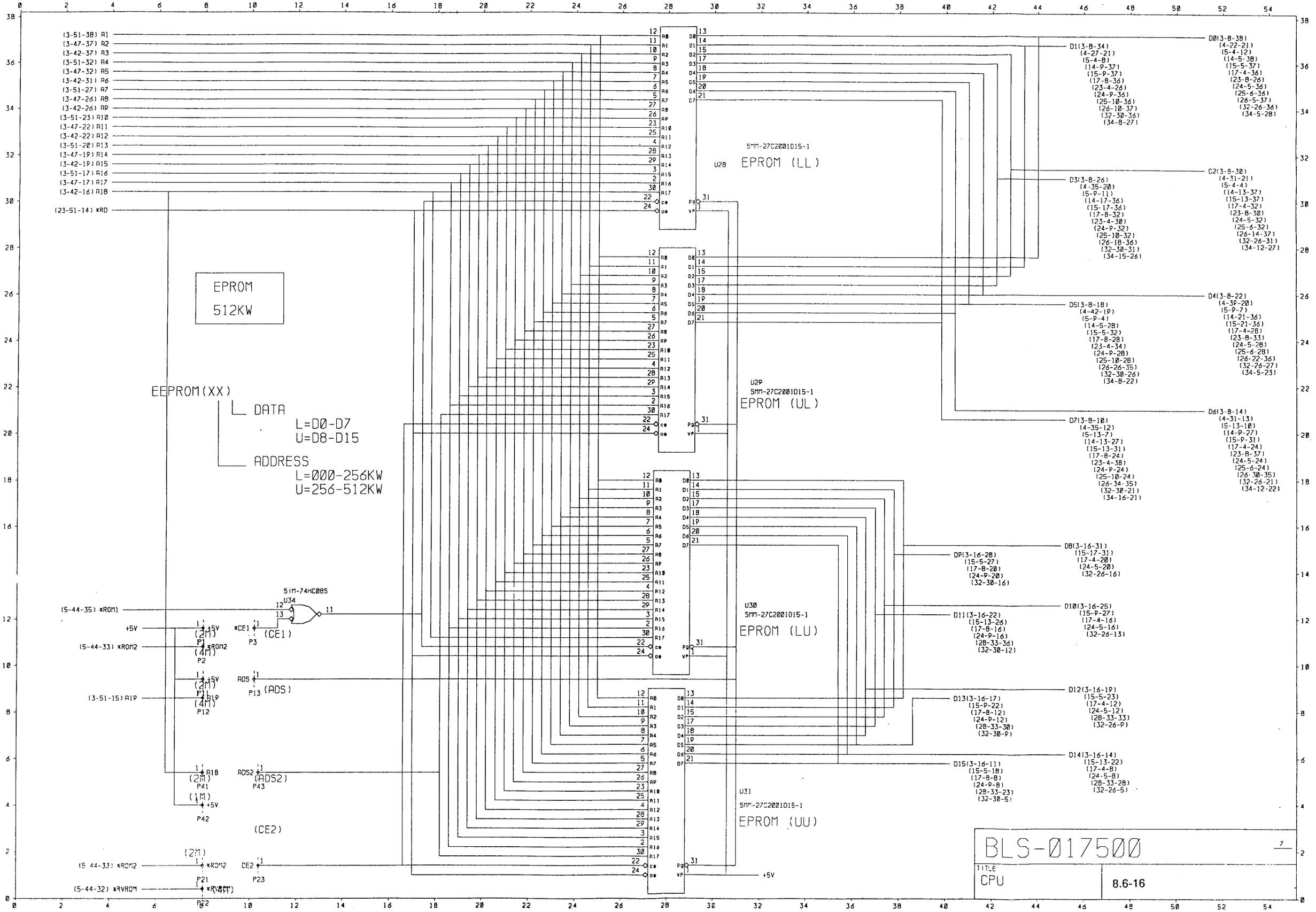
(4-32-36) xRESET
(14-37-21)
R17
R18
xRSET
C6

R19
R20
SLIN
SIN(5-23-4)
C7

BLS-017500

TITLE
CPU

8.6-15


(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8
(3-42-26) A9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(3-47-19) A14
(3-42-19) A15
(3-51-17) A16
(3-47-17) A17
(3-42-16) A18
(23-51-14) xRD
EPROM
512KW
EEPROM(XX)
DATA
L=D0-D7
U=D8-D15
ADDRESS
L=000-256KW
U=256-512KW
5MM-27C2001D15-1
U28
EPROM (LL)
U29
5MM-27C2001D15-1
EPROM (UL)
U30
5MM-27C2001D15-1
EPROM (LU)
U31
5MM-27C2001D15-1
EPROM (UU)
D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-6-36) (26-5-37) (32-26-36) (34-5-28)
D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-10-37) (32-30-36) (34-8-27)
D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (32-26-31) (34-12-27)
D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-10-32) (26-18-36) (32-30-31) (34-15-26)
D4(3-8-22) (4-39-20) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-6-28) (26-22-36) (32-26-27) (34-5-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-10-28) (26-26-35) (32-30-26) (34-8-22)
D6(3-8-14) (4-31-13) (5-13-10) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-30-35) (32-26-21) (34-12-22)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-10-24) (26-34-35) (32-30-21) (34-16-21)
D8(3-16-31) (15-17-31) (17-4-20) (24-5-20) (32-26-16)
DP(3-16-28) (15-5-27) (17-8-20) (24-9-20) (32-30-16)
D10(3-16-25) (15-9-27) (17-4-16) (24-5-16) (32-26-13)
D11(3-16-22) (15-13-26) (17-8-16) (24-9-16) (28-33-36) (32-30-12)
D12(3-16-19) (15-5-23) (17-4-12) (24-5-12) (28-33-33) (32-26-9)
D13(3-16-17) (15-9-22) (17-8-12) (24-9-12) (28-33-30) (32-30-9)
D14(3-16-14) (15-13-22) (17-4-8) (24-5-8) (28-33-28) (32-26-5)
D15(3-16-11) (15-5-18) (17-8-8) (24-9-8) (28-33-23) (32-30-5)
SIM-74HC08S
U34
(5-44-35) xROM1
+5V
(2M)
xCE1
P3
(CE1)
(5-44-33) xROM2
(4M)
P2
ADS
P13
(ADS)
(3-51-15) A19
P12
A18
P41
ADS2
P43
(ADS2)
(1M)
P42
(CE2)
(2M)
(5-44-33) xROM2
CE2
P23
(5-44-32) xRVROM
P21
P22
+5V
BLS-017500
7
TITLE
CPU
8.6-16

SMM-658128LP12
U32

(32-18-32) RAMA1
(32-18-31) RAMA2
(32-18-30) RAMA3
(32-18-30) RAMA4
(32-18-24) RAMA5
(32-18-23) RAMA6
(32-18-22) RAMA7
(32-18-22) RAMA8
(32-18-16) RAMA9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(3-47-19) A14
(3-42-19) A15
(3-51-17) A16
(3-47-17) A17

12 A0 A1 10 A2 9 A3 8 A4 7 A5 6 A6 5 A7 27 A8 26 A9 23 A10 25 A11 4 A12 28 A13 3 A14 31 A15 2 A16
22 cs1
30 CE2
24 oe
29 we
1 rfh

13 D0 14 D1 15 D2 17 D3 18 D4 19 D5 20 D6 21 D7

D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-4-36) (26-5-37) (32-26-36) (34-5-28)
D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-10-37) (32-30-36) (34-8-27)
D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (32-26-31) (34-12-27)
D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-10-32) (26-18-36) (32-30-31) (34-15-26)
D4(3-8-22) (4-39-20) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-6-28) (26-22-36) (32-26-27) (34-5-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-10-28) (26-26-35) (32-30-26) (34-8-22)
D6(3-8-14) (4-31-13) (5-13-10) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-30-35) (32-26-21) (34-12-22)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-10-24) (26-34-35) (32-30-21) (34-16-21)

SMM-658128LP12
U33

12 A0 11 A1 10 A2 9 A3 8 A4 7 A5 6 A6 5 A7 27 A8 26 A9 23 A10 25 A11 4 A12 28 A13 3 A14 31 A15 2 A16
22 cs1
30 CE2
24 oe
29 we
1 rfh

13 D0 14 D1 15 D2 17 D3 18 D4 19 D5 20 D6 21 D7

D8(3-16-31) (15-17-31) (17-4-20) (24-5-20) (32-26-16)
D9(3-16-28) (15-5-27) (17-8-20) (24-9-20) (32-30-16)
D10(3-16-25) (15-9-27) (17-4-16) (24-5-16) (32-26-13)
D11(3-16-22) (15-13-26) (17-8-16) (24-9-16) (28-33-36) (32-30-12)
D12(3-16-19) (15-5-23) (17-4-12) (24-5-12) (28-33-33) (32-26-9)
D13(3-16-17) (15-9-22) (17-8-12) (24-9-12) (28-33-30) (32-30-9)
D14(3-16-14) (15-13-22) (17-4-8) (24-5-8) (28-33-28) (32-26-5)
D15(3-16-11) (15-5-18) (17-8-8) (24-9-8) (28-33-23) (32-30-5)

SIM-74HC08S
U34

(23-51-10) xLWR
(30-20-14) xADWR
1 2 3

SIM-74HC08S
U34

(5-44-31) xRAM
(30-20-14) xADCS
4 5 6

(23-51-14) xRD

SIM-74HC08S
U34

9 10 8
(23-44-23) xUWR

(5-44-31) xRAM
(3-51-11) xAS
(23-48-16) 10M

SIM-74HC74S
U35

4 2 D PS 3 CK Q 5 Q 6 CL 1

+5V

"RAM" 128KW

BLS-017500 8

TITLE CPU

8.6-17

"EEPROM" 8KW

"BIT-RAM" 8KB

SMM-58C66x25S-1
U40

(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8
(3-42-26) A9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(23-32-33) xEEPROM
(23-51-14) xRD

+5V
(xEWE) xEWE
(23-51-10) xLWR

J18
JCP-BF003PX01

+5V (+5V)
xLWR (xLWR)

D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-6-35) (26-5-37) (32-26-36) (34-5-28)
D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-10-37) (32-30-36) (34-8-27)
D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (32-26-31) (34-12-27)
D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-10-32) (26-18-36) (32-30-31) (34-15-26)
D4(3-8-22) (4-39-20) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-6-28) (26-22-36) (32-26-27) (34-5-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-10-28) (26-26-35) (32-32-26) (34-8-22)
D6(3-8-14) (4-31-13) (5-13-10) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-32-35) (32-26-21) (34-12-22)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-10-24) (26-34-35) (32-30-21) (34-16-21)

SMM-58C66x25S-1
U41

DB(3-16-31) (15-17-31) (17-4-20) (24-5-20) (32-26-16)
DP(3-16-28) (15-5-27) (17-8-20) (24-9-20) (32-30-16)
D10(3-16-25) (15-9-27) (17-4-16) (24-5-16) (32-26-13)
D11(3-16-22) (15-13-26) (17-8-16) (24-9-16) (28-33-36) (32-30-12)
D12(3-16-19) (15-5-23) (17-4-12) (24-5-12) (28-33-33) (32-26-9)
D13(3-16-17) (15-9-22) (17-8-12) (24-9-12) (28-33-30) (32-30-9)
D14(3-16-14) (15-13-22) (17-4-8) (24-5-8) (28-33-28) (32-26-5)
D15(3-16-11) (15-5-18) (17-8-8) (24-9-8) (28-33-23) (32-30-5)

+5V

SMM-8464CS
U42

(32-18-32) RAMA1
(32-18-31) RAMA2
(32-18-30) RAMA3
(32-18-30) RAMA4
(32-18-24) RAMA5
(32-18-23) RAMA6
(32-18-22) RAMA7
(32-18-22) RAMA8
(32-18-16) RAMA9

SIM-74HC27S
U36

SIM-74HC00S
U26

SIM-74HC74S
U3B

+5V
xINTMKR(23-10-6)

SIM-74HC08S
U37

SIM-74HC74S
U3B

xSWPSTP(30-36-11)

SIM-74HC08S
U25

(30-20-14) xADCS
(23-32-34) xBTRAM

SIM-74HC32S
U39

(23-51-14) xRD
(32-40-14) xADRD

SIM-74HC08S
U37

SIM-74HC74S
U3S

xINTPSWP(6-9-24) (17-41-15)

(32-40-14) xADRD
(4-14-11) xMICLR
(4-14-11) xCLRSTP
(4-14-11) xSWP2CLR
(4-32-36) xRESET (14-37-21)

SIM-74HC32S
U39

(23-51-10) xWR

SIM-74HC08S
U37

BLS-017500	9
TITLE: CPU	8.6-18

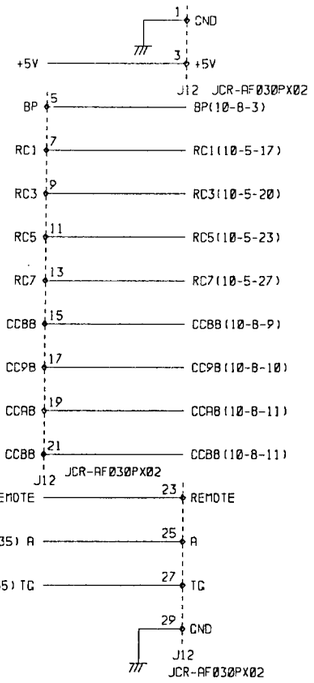
(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(23-32-32) xKEY
(23-47-14) xRD1
(23-47-10) xLWR1
+5V
Q1 STP-UN4114-1
(11-8-26) RC7
Q2
(11-18-27) RC6
Q3
(11-8-27) RC5
Q4
(11-18-28) RC4
Q5
(11-8-28) RC3
Q6
(11-18-29) RC2
Q7
(11-8-29) RC1
Q8
(11-18-30) RC0
R21 R21 R21 R21 R22 R22 R22 R22
RAY-AL33K4
RAY-AL33K4
R23 R23 R23 R23 R24 R24 R24 R24
(11-8-22) CCB8
(11-18-23) CCB0
(11-8-23) CCA8
(11-18-24) CCA0
(11-8-24) CC98
(11-18-25) CC90
(11-8-25) CC88
(11-18-26) CC80
R25 R25 R25 R25 R26 R26 R26
RAY-AL33K4
RAY-AL33K4
RCB-AC6R8K
(11-18-31) AP
(11-8-32) BP
SIM-74HC14S U3
SIM-74HC14S U3
CSM-ACR1U50V
CB
R27
+5V
CTR-AC3R3U16V
C95
SIM-74HC04S U22
SIM-74HC04S U22
U45 SIM-74HC4538S
+5V
(4-32-36) xRESET (14-37-21)
SIM-61H06B23F-1 U43
A0 A1 A2 cs rd wr
K0 K1 K2 K3 K4 K5 K6 K7
B0 B1 B2 B3 B4 B5 B6 B7
B8 B9 BA BB BC BD BE BF EK
P1 P2 P3 P4
C1 C2 C3
D0 D1 D2 D3 D4 D5 D6 D7
x1 x2 x3 x4 x5
R1 R2 R3
U90 SIM-74HC32S
xINTKEY(23-10-6)
SIM-74HC273S U44
D1 D2 D3 D4 D5 D6 D7 D8 CK
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
SRQ(11-8-12)
TG(1)-5-19)
A(11-5-20)
REMOTE(11-5-21)
TALK(11-8-10)
SHIFT(11-15-21)
B(11-15-20)
LISTEN(11-8-8)
RCB-AG10K R28
CTR-AC3R3U16V C9
(23-51-10) x_WR
BP-2(30-36-12)
D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-6-36) (26-5-37) (32-26-36) (34-5-28)
D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-10-37) (32-30-36) (34-8-27)
D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (32-26-31) (34-12-27)
D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-10-32) (26-18-36) (32-30-31) (34-15-26)
D4(3-8-22) (4-39-20) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-6-28) (26-22-36) (32-26-27) (34-5-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-10-28) (26-26-35) (32-30-26) (34-8-22)
D6(3-8-14) (4-31-13) (5-13-10) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-30-35) (32-26-21) (34-12-22)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-10-24) (26-34-35) (32-30-21) (34-16-21)

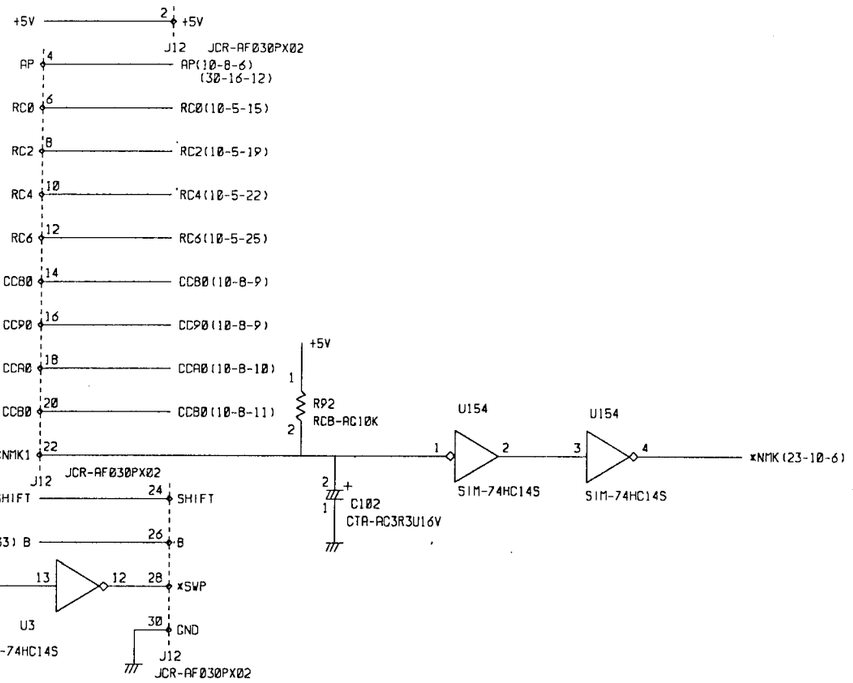
BLS-017500 10

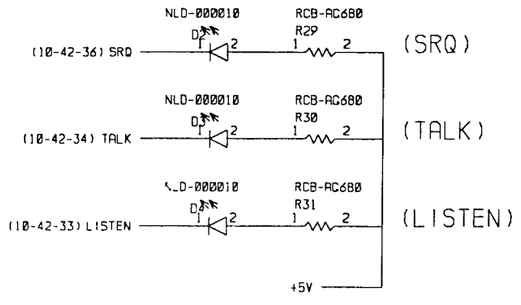
TITLE CPU

8.6-19

J12 CONNECTOR TO FRONT PANEL







BLS-017500	11
TITLE: CPU	8.6-20

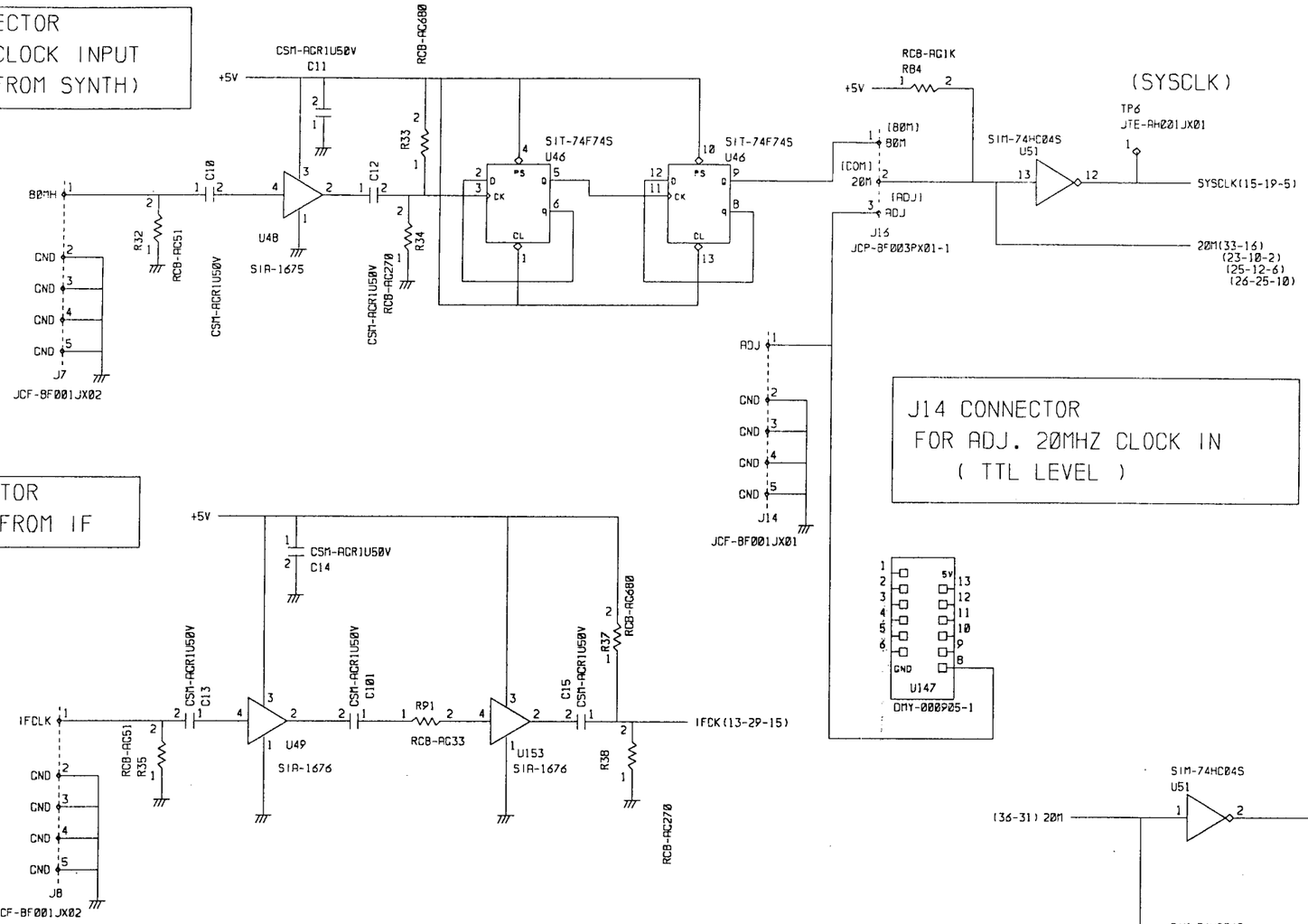
J7 CONNECTOR
SYSTEM CLOCK INPUT
(80MHZ FROM SYNTH)

J8 CONNECTOR
IF CLOCK FROM IF

J9 CONNECTOR
YTO IF CLOCK
FROM SYNTH

J14 CONNECTOR
FOR ADJ. 20MHZ CLOCK IN
(TTL LEVEL)

(SYSCLK)



BLS-017500 12

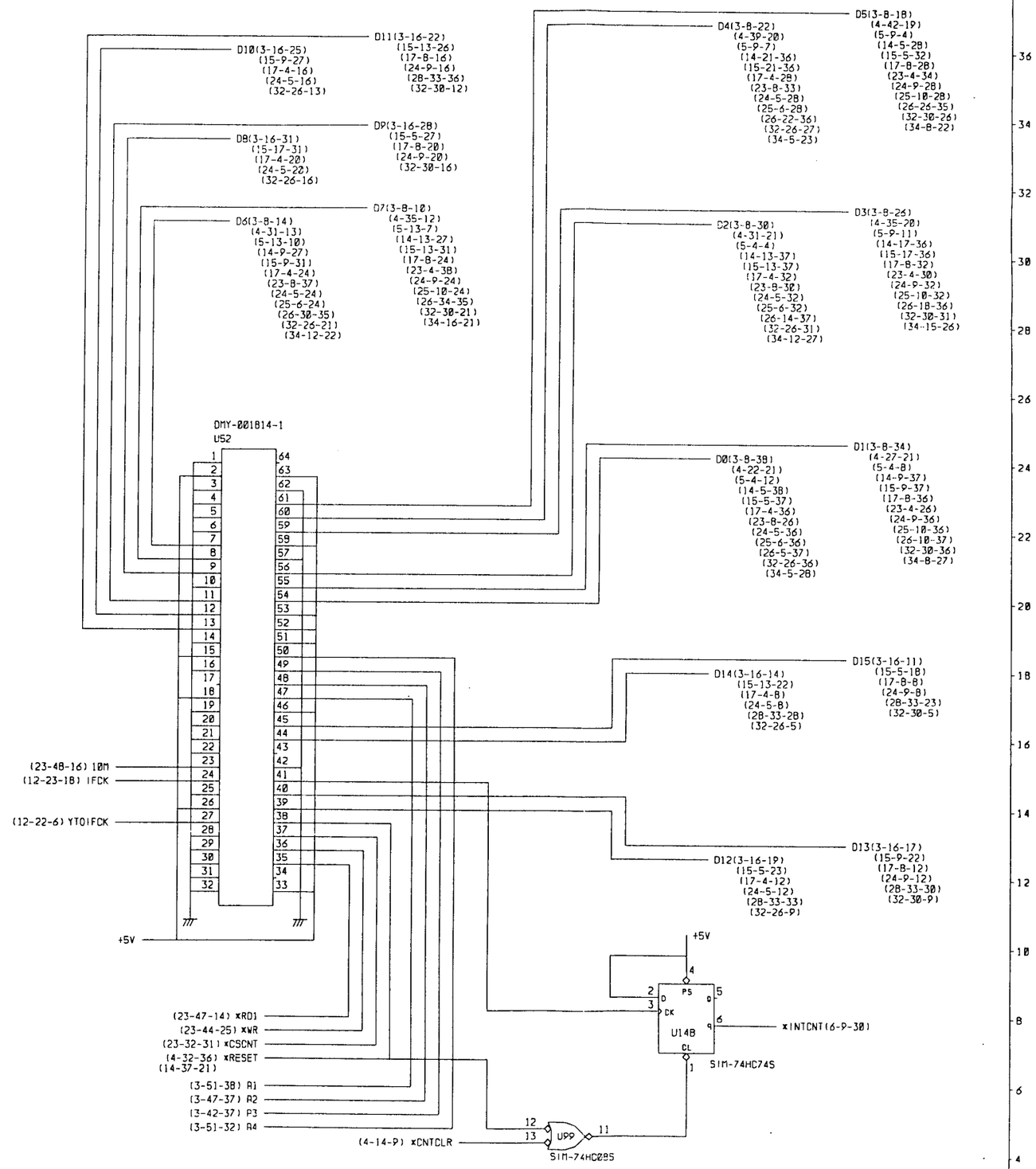
TITLE
CPU

8.6-21

COUNTER G.A. PIN NAME

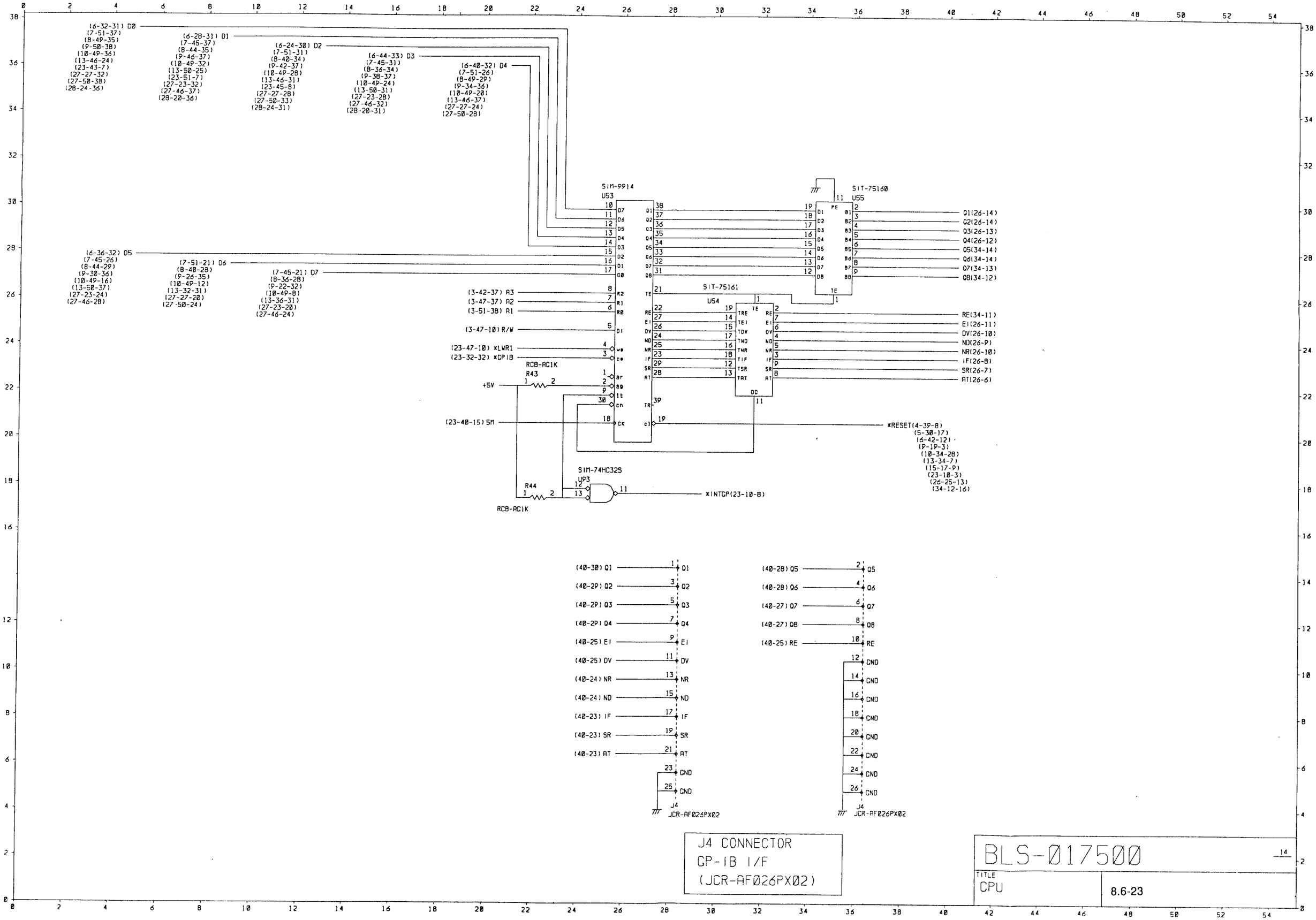
1	TEST1	(GND)	64	=NC=	==
2	*LLD	(+5V)	63	*CLR	(+5V)
3	DTS1	(GND)	62	AD17	(GND)
4	DTS2	(GND)	61	D5	I/O
5	DTS3	(GND)	60	D4	I/O
6	SLTG	(GND)	59	D3	I/O
7	D6	I/O	58	(+5V)	==
8	D7	I/O	57	(GND)	==
9	D8	I/O	56	D2	I/O
10	(GND)	==	55	D1	I/O
11	D9	I/O	54	D0	I/O
12	D10	I/O	53	*RCS	(+5V)
13	D11	I/O	52	TEST7	(+5V)
14	SLTF	(GND)	51	TEST6	(+5V)
15	*OEB	(+5V)	50	A4	IN
16	CSTR	(GND)	49	A3	IN
17	=NC=	==	48	A2	IN
18	*ILD	(+5V)	47	A1	IN
19	TEST2	(GND)	46	*TSP	(+5V)
20	TEST3	(GND)	45	D15	I/O
21	EHTF	(GND)	44	D14	I/O
22	HLFC	(GND)	43	ECNT	OUT
23	10MHZ	IN	42	(GND)	==
24	20MHZ	IN	41	INTCNT	OUT
25	(GND)	==	40	D13	I/O
26	(+5V)	==	39	D12	I/O
27	3MHZ	IN	38	*RESET	IN
28	TGCK	(GND)	37	*CSCNT	IN
29	CHTF	(GND)	36	*WR	IN
30	SEXT	(GND)	35	*RD	IN
31	ENCH	(GND)	34	=NC=	==
32	TEST4	(GND)	33	TEST5	(+5V)

COUNTER G.A.
(MB620410)



BLS-017500 13

TITLE: CPU | 8.6-22


(6-32-31) D0
(7-51-37)
(8-49-35)
(9-50-38)
(10-49-36)
(13-46-24)
(23-43-7)
(27-27-32)
(27-50-38)
(28-24-36)
(6-28-31) D1
(7-45-37)
(8-44-35)
(9-46-37)
(10-49-32)
(13-50-25)
(23-51-7)
(27-23-32)
(27-46-37)
(28-20-36)
(6-24-30) D2
(7-51-31)
(8-40-34)
(9-42-37)
(10-49-28)
(13-46-31)
(23-45-8)
(27-27-28)
(27-50-33)
(28-24-31)
(6-44-33) D3
(7-45-31)
(8-36-34)
(9-38-37)
(10-49-24)
(13-50-31)
(27-23-28)
(27-46-32)
(28-20-31)
(6-40-32) D4
(7-51-26)
(8-49-29)
(9-34-36)
(10-49-20)
(13-46-37)
(27-27-24)
(27-50-28)
(6-36-32) D5
(7-45-26)
(8-44-29)
(9-30-36)
(10-49-16)
(13-50-37)
(27-23-24)
(27-46-28)
(7-51-21) D6
(8-40-28)
(9-26-35)
(10-49-12)
(13-32-31)
(27-27-20)
(27-50-24)
(7-45-21) D7
(8-36-28)
(9-22-32)
(10-49-8)
(13-36-31)
(27-23-20)
(27-46-24)
SIM-9914
U53
D7
D6
D5
D4
D3
D2
D1
D0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
SIT-75160
U55
PE
TE
SIT-75161
U54
TE
RE
EI
DV
ND
NR
IF
SR
AT
TRE
TEI
TDV
TND
TNR
TIF
TSR
TRT
DC
TR
c1
(3-42-37) A3
(3-47-37) A2
(3-51-38) A1
R2
R1
R0
(3-47-10) R/W
DI
(23-47-10) xLWR1
(23-32-32) xCP1B
wa
ce
ar
ao
1t
cn
CK
RCB-AC1K
R43
+5V
(23-40-15) 5M
SIM-74HC32S
U43
R44
RCB-AC1K
xINTGP(23-10-8)
Q1(26-14)
Q2(26-14)
Q3(26-13)
Q4(26-12)
Q5(34-14)
Q6(34-14)
Q7(34-13)
Q8(34-12)
RE(34-11)
EI(26-11)
DV(26-10)
ND(26-9)
NR(26-10)
IF(26-8)
SR(26-7)
AT(26-6)
xRESET(4-39-8)
(5-30-17)
(6-42-12)
(9-19-3)
(10-34-28)
(13-34-7)
(15-17-9)
(23-10-3)
(26-25-13)
(34-12-16)
(40-30) Q1
(40-29) Q2
(40-29) Q3
(40-29) Q4
(40-25) EI
(40-25) DV
(40-24) NR
(40-24) ND
(40-23) IF
(40-23) SR
(40-23) AT
GND
J4
JCR-AF026PX02
(40-28) Q5
(40-28) Q6
(40-27) Q7
(40-27) Q8
(40-25) RE
J4 CONNECTOR
GP-1B I/F
(JCR-AF026PX02)
BLS-017500
14
TITLE
CPU
8.6-23

(6-32-31) D0
(7-51-37)
(8-49-35)
(9-50-38)
(10-49-36)
(13-46-24)
(23-43-7)
(27-27-32)
(27-50-38)
(28-24-36)

(6-28-31) D1
(7-45-37)
(8-44-35)
(9-46-37)
(10-49-32)
(13-50-25)
(23-51-7)
(27-23-32)
(27-46-37)
(28-20-36)

(6-24-30) D2
(7-51-31)
(8-40-34)
(9-42-37)
(10-49-28)
(13-46-31)
(23-45-8)
(27-27-28)
(27-50-33)
(28-24-31)

(6-44-33) D3
(7-45-31)
(8-36-34)
(9-38-37)
(10-49-24)
(13-50-31)
(27-23-28)
(27-46-32)
(28-20-31)

(6-40-32) D4
(7-51-26)
(8-49-29)
(9-34-36)
(10-49-20)
(13-46-37)
(27-27-24)
(27-50-28)

(6-36-32) D5
(7-45-26)
(8-44-29)
(9-38-36)
(10-49-16)
(13-50-37)
(27-23-24)
(27-46-28)

(7-51-21) D6
(8-40-28)
(9-26-35)
(10-49-12)
(13-32-31)
(27-27-20)
(27-50-24)

(7-45-21) D7
(8-36-28)
(9-22-32)
(10-49-8)
(13-36-31)
(27-23-20)
(27-46-24)

(7-45-15) D8
(8-49-22)
(9-50-23)
(13-32-33)
(27-27-12)
(27-50-20)

(7-40-15) D9
(8-44-21)
(9-47-23)
(13-36-34)
(27-23-12)
(27-46-20)

(7-45-13) D10
(8-40-21)
(9-42-23)
(13-32-36)
(27-27-9)
(27-50-18)

(7-40-12) D11
(8-36-21)
(9-38-22)
(13-36-36)
(27-23-9)
(27-46-18)

(7-45-9) D12
(8-49-16)
(9-34-22)
(13-46-13)
(27-27-6)
(27-50-16)

(7-40-9) D13
(8-44-16)
(9-38-21)
(13-50-13)
(27-23-6)
(27-46-15)

(7-45-6) D14
(8-40-15)
(9-26-21)
(13-46-18)
(27-27-4)
(27-50-13)

(7-40-6) D15
(8-36-15)
(9-22-21)
(13-50-18)
(27-23-4)
(27-46-12)

SIM-95C60x20KC-1
U56

160	D0	DM200(18-14-37)
1	D1	DM201(18-14-36)
2	D2	DM202(18-14-36)
3	D3	DM203(18-14-35)
4	D4	DM204(18-14-28)
5	D5	DM205(18-14-28)
6	D6	DM206(18-14-27)
9	D7	DM207(18-14-27)
10	D8	DM208(18-14-19)
11	D9	DM209(18-14-19)
12	D10	DM210(18-14-18)
13	D11	DM211(18-14-18)
14	D12	DM212(18-14-11)
15	D13	DM213(18-14-10)
16	D14	DM214(18-14-10)
17	D15	DM215(18-14-10)
151	A0	
152	A1	
155	cs	
153	rd	
154	wr	
148	rst	
145	SYSCLK	
38	DM200	DM100(19-15-37)
39	DM201	DM101(19-15-36)
41	DM202	DM102(19-15-36)
42	DM203	DM103(19-15-35)
43	DM204	DM104(19-15-28)
44	DM205	DM105(19-15-28)
45	DM206	DM106(19-15-27)
46	DM207	DM107(19-15-27)
48	DM208	DM108(19-15-19)
49	DM209	DM109(19-15-19)
50	DM210	DM110(19-15-18)
51	DM211	DM111(19-15-18)
52	DM212	DM112(19-15-11)
53	DM213	DM113(19-15-10)
54	DM214	DM114(19-15-10)
55	DM215	DM115(19-15-10)

SIM-95C60x20KC-1
U56

82	DM200	DM200(20-15-37)
83	DM201	DM201(20-15-36)
84	DM202	DM202(20-15-36)
85	DM203	DM203(20-15-35)
86	DM204	DM204(20-15-28)
87	DM205	DM205(20-15-28)
88	DM206	DM206(20-15-27)
91	DM207	DM207(20-15-27)
92	DM208	DM208(20-15-19)
93	DM209	DM209(20-15-19)
94	DM210	DM210(20-15-18)
95	DM211	DM211(20-15-18)
96	DM212	DM212(20-15-11)
97	DM213	DM213(20-15-10)
98	DM214	DM214(20-15-10)
99	DM215	DM215(20-15-10)
64	DM300	DM300(21-15-37)
65	DM301	DM301(21-15-36)
66	DM302	DM302(21-15-36)
67	DM303	DM303(21-15-35)
68	DM304	DM304(21-15-28)
69	DM305	DM305(21-15-28)
70	DM306	DM306(21-15-27)
71	DM307	DM307(21-15-27)
74	DM308	DM308(21-15-19)
75	DM309	DM309(21-15-19)
76	DM310	DM310(21-15-18)
77	DM311	DM311(21-15-18)
78	DM312	DM312(21-15-11)
79	DM313	DM313(21-15-10)
80	DM314	DM314(21-15-10)
81	DM315	DM315(21-15-10)
56	TEST	

(4-32-36) *RESET
(14-37-21)
(4-14-12) *CRST

SIM-74HC08S
U89
12
13
11

+5V
R45
2
1
RCB-AG220

(12-36-32) SYSCLK

R46
2
1
RCB-AG330

GRAPHIC CONTROLER (1)

BLS-017500 15

TITLE
CPU

8.6-24

SIM-95C60x20KC-1
U56

SIT-74F244S
U57

SIT-74F244S
U58

SIT-74F244S
U59

SIT-74F175S
U60

SIM-74HC161S
U61

SIM-74HC374S
U62

SIM-74HC20S
U63

SIM-74HC04S
U127

SIM-74HC32S
U126

R47

(32-3) VIDCLK

(12-40-12) DOTCLK

+5V

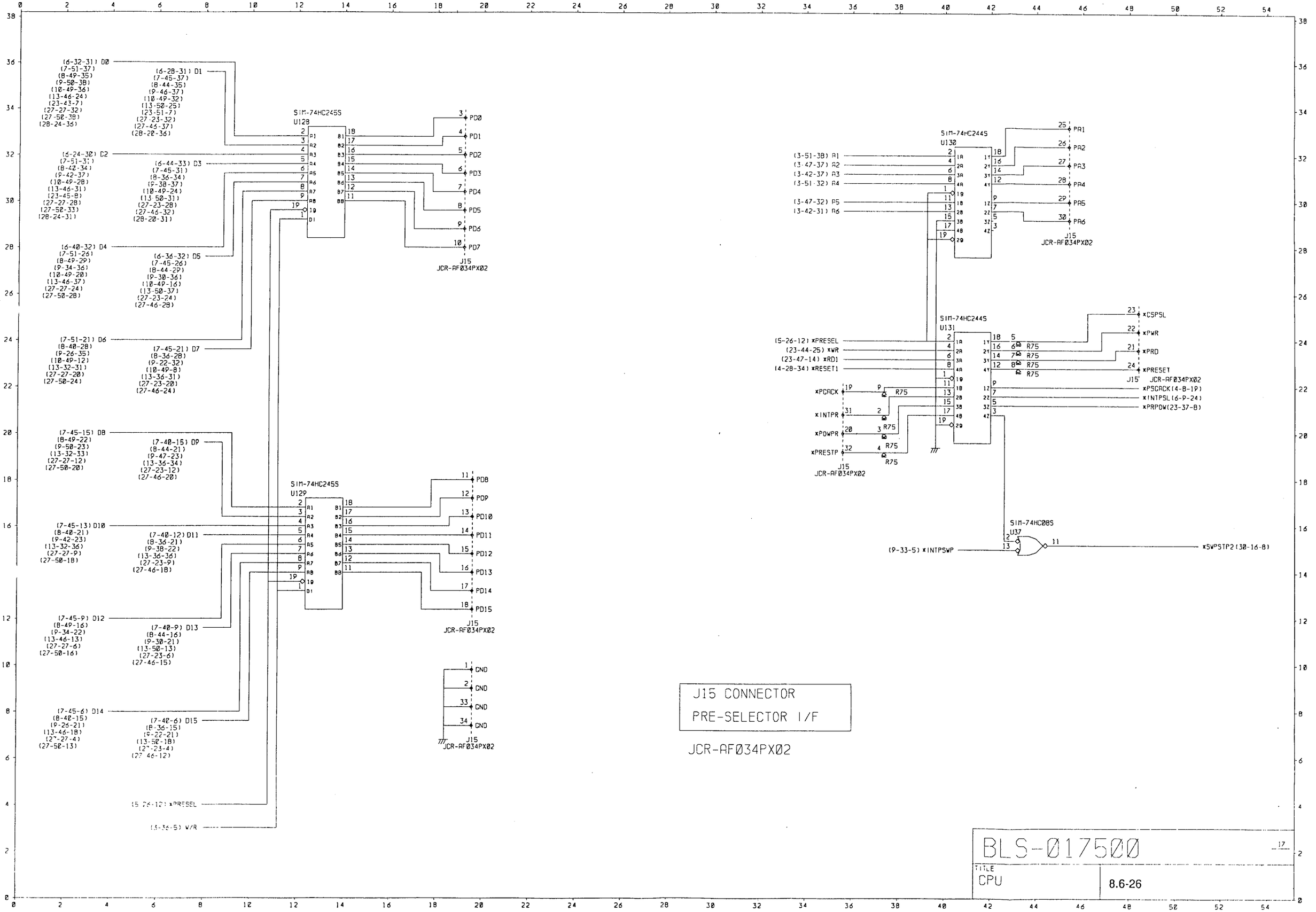
MEMREQ
FULL
HRESET
VRESET
VDDD
VIDCLK
bckd
TSYNIN
MATIN
TSYNOUT
MA1OUT
ADDR0
ADDR1
ADDR2
ADDR3
ADDR4
ADDR5
ADDR6
ADDR7
ADDR8
ADDR9
ADDR10
ADDR11
we0
we1
we2
we3
cas
ras
xf/g
HSYNC
VSYNC
BLANK
FREQ
DREQ
edo
INT
VSTB
DSTB
CDAT0
CDAT1
CDAT2
memdv1

MA0(18-14-35) (19-15-35) (20-15-35) (21-15-35)
MA1(18-14-35) (19-15-35) (20-15-35) (21-15-35)
MA2(18-14-34) (19-15-34) (20-15-34) (21-15-34)
MA3(18-14-34) (19-15-34) (20-15-34) (21-15-34)
MA4(18-14-33) (19-15-33) (20-15-33) (21-15-33)
MA5(18-14-33) (19-15-33) (20-15-33) (21-15-33)
MA6(18-14-33) (19-15-33) (20-15-33) (21-15-33)
MA7(18-14-32) (19-15-32) (20-15-32) (21-15-32)

xWE3(21-15-31)
xWE2(20-15-31)
xWE1(19-15-31)
xWE0(18-14-31)
xCAS2(20-15-31)
xCAS1(19-15-31)
xCAS0(18-14-31)
xCAS3(21-15-31)
xRAS1(19-15-31)
xRAS0(18-14-31)
xRAS3(21-15-31)
xRAS2(20-15-31)
xXFC2(20-15-32)
xXFC3(21-15-32)
xXFC0(18-14-32)
xXFC1(19-15-32)

RB6
HSYNC(22-25-23) (24-36-14)
VSYNC(22-25-15) (24-36-14)
xVSYNC(22-25-20)
xSFTE(18-14-2) (19-15-2) (20-15-2) (21-15-2)
xLD01(18-14-3) (19-15-3)
xLD23(20-15-3) (21-15-3)
xSOE01(18-14-30) (19-15-30)
xSOE23(20-15-30) (21-15-30)
xSCLK01(18-14-30) (19-15-30)
xSCLK23(20-15-30) (21-15-30)
VIDCLK(4-25)
xBLANK(22-5-24)

BLS-017500	16
TITLE: CPU	8.6-25



J15 CONNECTOR
PRE-SELECTOR I/F

JCR-AF034PX02

BLS-017500 17

TITLE
CPU

8.6-26

SMM-4461A
U64

SIM-74HC166S
U68

SMM-4461A
U65

SIM-74HC166S
U69

SMM-4461A
U66

SMM-4461A
U67

(15-36-34) DM000
(15-36-33) DM001
(15-36-33) DM002
(15-36-33) DM003
(16-44-35) MA0
(16-44-32) MA1
(16-44-30) MA2
(16-44-27) MA3
(16-44-25) MA4
(16-44-22) MA5
(16-44-19) MA6
(16-44-17) MA7
(16-32-20) xXFC0
(16-32-28) xWE0
(16-32-22) xRAS0
(16-32-26) xCAS0
(16-32-8) xSOE01
(16-32-5) xSCLK01

(15-36-32) DM004
(15-36-32) DM005
(15-36-31) DM006
(15-36-31) DM007

(15-36-31) DM008
(15-36-30) DM009
(15-36-30) DM010
(15-36-29) DM011

(15-36-29) DM012
(15-36-29) DM013
(15-36-28) DM014
(15-36-28) DM015

(16-32-10) xLD01
(16-32-12) xSFTE
(12-40-8) DOTCLK01
(4-49-20) xCLRM0

SIC0(22-5-24)

V-RAM (1/4)

BLS-017500

18

TITLE
CPU

8.6-27

SMM-4461A
U70

SIM-74HC166S
U74

SMM-4461A
U71

SIM-74HC166S
U75

SMM-4461A
U72

SMM-4461A
U73

(15-36-27) DM100
(15-36-27) DM101
(15-36-26) DM102
(15-36-26) DM103
(16-44-35) MA0
(16-44-32) MA1
(16-44-30) MA2
(16-44-27) MA3
(16-44-25) MA4
(16-44-22) MA5
(16-44-19) MA6
(16-44-17) MA7
(16-32-1P) xXFG1
(16-32-2B) xWE1
(16-32-23) xRAS1
(16-32-27) xCAS1
(16-32-B) xSDE01
(16-32-5) xSCLK01

(15-36-25) DM104
(15-36-25) DM105
(15-36-25) DM106
(15-36-24) DM107

(15-36-24) DM108
(15-36-23) DM109
(15-36-23) DM110
(15-36-23) DM111

(15-36-22) DM112
(15-36-22) DM113
(15-36-21) DM114
(15-36-21) DM115

(16-32-10) xLD01
(16-32-12) xSFTE
(12-42-B) DOTCLK01
(4-49-1P) xCLRM1

SIC1(22-5-1P)

V-RAM (2/4)

BLS-017500	1P
TITLE CPU	8.6-28

SMM-4461A
U76

(15-36-17) DM200
(15-36-17) DM201
(15-36-16) DM202
(15-36-16) DM203
(16-44-35) MA0
(16-44-32) MA1
(16-44-30) MA2
(16-44-27) MA3
(16-44-25) MA4
(16-44-22) MA5
(16-44-19) MA6
(16-44-17) MA7
(16-32-21) *XFG2
(16-32-29) *WE2
(16-32-21) *RAS2
(16-32-27) *CAS2
(16-32-7) *SDE23
(16-32-4) *SCLK23

SIM-74HC166S
U80

SMM-4461A
U77

(15-36-15) DM204
(15-36-15) DM205
(15-36-15) DM206
(15-36-14) DM207

SIM-74HC166S
U81

SMM-4461A
U78

(15-36-14) DM208
(15-36-13) DM209
(15-36-13) DM210
(15-36-13) DM211

SIC2(22-5-16)

SMM-4461A
U79

(15-36-12) DM212
(15-36-12) DM213
(15-36-11) DM214
(15-36-11) DM215

(16-32-9) *LD23
(16-32-12) *SFTE
(12-42-16) DOTCLK23
(4-49-19) *CLRM2

V-RAM (3/4)

BLS-017500

20

TITLE	
CPU	8.6-29

SMM-4461A
UB2

SIM-74HC166S
UB6

SMM-4461A
UB3

SIM-74HC166S
UB7

SMM-4461A
UB4

SMM-4461A
UB5

(15-36-10) DM300
(15-36-10) DM301
(15-36-9) DM302
(15-36-9) DM303
(16-44-35) MA0
(16-44-32) MA1
(16-44-30) MA2
(16-44-27) MA3
(16-44-25) MA4
(16-44-22) MA5
(16-44-19) MA6
(16-44-17) MA7
(16-32-20) xXFG3
(16-32-29) xWE3
(16-32-22) xRAS3
(16-32-26) xCAS3
(16-32-7) xSOE23
(16-32-4) xSCLK23

(15-36-9) DM304
(15-36-8) DM305
(15-36-8) DM306
(15-36-7) DM307

(15-36-7) DM308
(15-36-7) DM309
(15-36-6) DM310
(15-36-6) DM311

(15-36-5) DM312
(15-36-5) DM313
(15-36-5) DM314
(15-36-4) DM315

(16-32-9) xLD23
(16-32-12) xSFTE
(12-40-16) DOTCLK23
(4-49-19) xCLRM3

SIC3(22-5-13)

V-RAM (4/4)

BLS-017500 21

TITLE CPU

8.6-30

CRT I/F

+12V — +12V P51 — IN12V P52 — (12VP) (IN12V)

C5M-AQR1U50V C23

STN-2SC1815 Q10

VIDEO(45-9)

RCB-AC270 R57

+5V

SDS-1SS270

SIM-74HC32S U90

D6 RCB-AC390 R48

SIM-74HC08S U88

(4-49-21) BLT0 — D7 RCB-AC2R2K R49

SDS-1SS270

SIM-74HC08S U88

(16-32-2) xBLANK — (18-42-19) SIC0 — D8 RCB-AC2R2K R50

SDS-1SS270

SIM-74HC08S U88

(4-49-21) BLT1 — D9 RCB-AC2R2K R51

SDS-1SS270

SIM-74HC08S U88

(19-40-19) SIC1

SIM-74HC08S U89

(20-47-19) SIC2 — D10 RCB-AC560 R52

SDS-1SS270

SIM-74HC08S U89

(21-48-19) SIC3 — D11 RCB-AC120 R53

SDS-1SS270

SIM-74HC08S U89

(4-49-21) BLT2 — D12 RCB-AC330 R54

SDS-1SS270

RCB-AC020 R55

RCB-AC680 R56

5TP-2SR1015 Q9

D13 D14 SDS-1SS270 SDS-1SS270

RCB-AC3R3K R58

R93 RVR-AK2K

STN-2SC1815 Q11

RCB-AC120 R60

RCB-AC470 R59

C24

CSM-BR150P50V

RCB-AC680 R67

SIM-74HC3P3S U132

(16-32-16) HSYNC

SIM-74HC04S U127

(16-32-13) xVSYNC

+5V

RCB-AC220 R66

SIM-74HC86S U134

(16-32-14) VSYNC

U133 SIM-74HC74S

RCB-AC10K R65

STN-2SC1815 Q13

C25

CSM-AZ1000P50V

C16 CCK-CV470U16V

C17 CCK-CV470U16V

RCB-AC1R5K R61

RCB-AC3R3K R62

STN-2SC1815 Q12

R63 RCB-AC220

R64 RCB-AC6B

C21 CCK-CV470U16V

C22 CCK-CX1000U16V

CVIDEO(23-6)

J5 CONNECTOR
CRT I/F
(JCS-DN010PX02)

+12V — +12V
GND12
(24-47-14) HD — HD
GND12
(50-34) VIDEO — VIDEO
GND12
(24-47-14) VD — VD
GND12

J5 JCS-DN010PX02-1

J6 CONNECTOR
EXT.CRT I/F
(JCF-AC001JX01)

(50-28) CVIDEO — CVIDEO
GND
GND
GND
GND

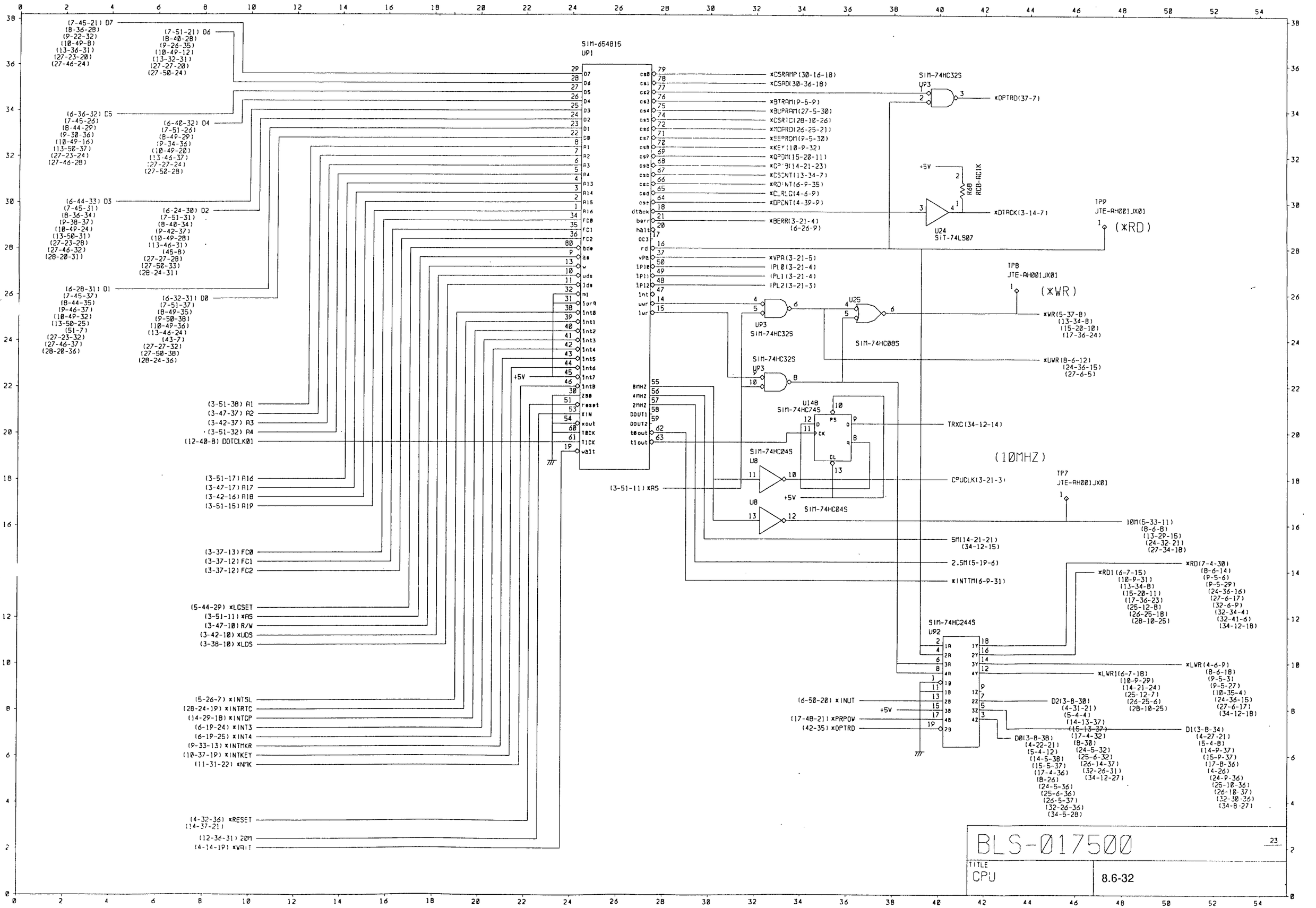
J6 JCF-BF001JX02

SIM-74HC86S U134

SIM-74HC86S U134

SIM-74HC86S U134

BLS-017500		22
TITLE CPU	8.6-31	


SIM-654B15
UP1
(7-45-21) D7
(8-36-28)
(9-22-32)
(10-49-8)
(13-36-31)
(27-23-28)
(27-46-24)
(7-51-21) D6
(8-40-28)
(9-26-35)
(10-49-12)
(13-32-31)
(27-27-20)
(27-50-24)
(6-36-32) D5
(7-45-26)
(8-44-29)
(9-30-36)
(10-49-16)
(13-50-37)
(27-23-24)
(27-46-28)
(6-40-32) D4
(7-51-26)
(8-49-29)
(9-34-36)
(10-49-20)
(13-46-37)
(27-27-24)
(27-50-28)
(6-44-33) D3
(7-45-31)
(8-36-34)
(9-38-37)
(10-49-24)
(13-50-31)
(27-23-28)
(27-46-32)
(28-20-31)
(6-24-30) D2
(7-51-31)
(8-40-34)
(9-42-37)
(10-49-28)
(13-46-31)
(45-8)
(27-27-28)
(27-50-33)
(28-24-31)
(6-28-31) D1
(7-45-37)
(8-44-35)
(9-46-37)
(10-49-32)
(13-50-25)
(51-7)
(27-23-32)
(27-46-37)
(28-20-36)
(6-32-31) D0
(7-51-37)
(8-49-35)
(9-50-38)
(10-49-36)
(13-46-24)
(43-7)
(27-27-32)
(27-50-38)
(28-24-36)
+5V
(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(12-40-8) DOTCLK01
(3-51-17) A16
(3-47-17) A17
(3-42-16) A18
(3-51-15) A19
(3-37-13) FC0
(3-37-12) FC1
(3-37-12) FC2
(5-44-29) xLDSET
(3-51-11) xAS
(3-47-10) R/W
(3-42-10) xUDS
(3-38-10) xLDS
(5-26-7) xINT5L
(28-24-19) xINTRTC
(14-29-18) xINTCP
(6-19-24) xINT3
(6-19-25) xINT4
(9-33-13) xINTMKR
(10-37-19) xINTKEY
(11-31-22) xNMK
(4-32-36) xRESET
(14-37-21)
(12-36-31) 20M
(4-14-19) xWAIT
D7 D6 D5 D4 D3 D2 D1 D0
A1 A2 A3 A4 A13 A14 A15 A16
FC0 FC1 FC2
ade ae w uds lds ml iorq intB int1 int2 int3 int4 int5 int6 int7 intB
ZBB
resst
XIN
xout
TBCK
T1CK
wait
cs0 cs1 cs2 cs3 cs4 cs5 cs6 cs7 cs8 cs9 cs8 csb csc csd cse
dtack
berr
halt
OC3
rd
vPA
IPL0 IPL1 IPL2
int
uwr
lwr
8MHZ
4MHZ
2MHZ
DOUT1
DOUT2
tBout
t1out
xCSRAMP(30-16-18)
xCSADI(30-36-18)
xBTRAM(9-5-9)
xBUPRAM(27-5-30)
xCSRTC(28-10-26)
xMCPRO(26-25-21)
xEEPROM(9-5-32)
xKEY(10-9-32)
xOPDM(15-20-11)
xOPTB(14-21-23)
xDSCNT(13-34-7)
xRDCNT(6-9-35)
xCLRLG(4-6-9)
xDPCNT(4-39-9)
xBERR(3-21-4)
(6-26-9)
xVPA(3-21-5)
IPL0(3-21-4)
IPL1(3-21-4)
IPL2(3-21-3)
(3-51-11) xAS
SIM-74HC32S
UP3
SIM-74HC08S
U25
SIM-74HC74S
U14B
SIM-74HC04S
U8
SIM-74HC04S
U8
SIM-74HC32S
UP3
SIM-74HC32S
UP3
SIM-74HC325
UP3
xDPTRD(37-7)
+5V
R68
RCB-RC1K
xDTACK(3-14-7)
U24
SIT-74LS07
TP9
JTE-AH001JX01
(xRD)
TP8
JTE-AH001JX01
(xWR)
xWR(5-37-8)
(13-34-8)
(15-20-10)
(17-36-24)
xUWR(8-6-12)
(24-36-15)
(27-6-5)
TRXC(34-12-14)
(10MHZ)
CPUCLK(3-21-3)
TP7
JTE-AH001JX01
10M(5-33-11)
(8-6-8)
(13-29-15)
(24-32-21)
(27-34-18)
5M(14-21-21)
(34-12-15)
2.5M(5-19-6)
xINTTM(6-9-31)
SIM-74HC244S
UP2
xRD1(6-7-15)
(10-9-31)
(13-34-8)
(15-20-11)
(17-36-23)
(25-12-8)
(26-25-18)
(28-10-25)
xRD(7-4-30)
(8-6-14)
(9-5-6)
(9-5-29)
(24-36-16)
(27-6-17)
(32-6-9)
(32-34-4)
(32-41-6)
(34-12-18)
xLWR1(6-7-18)
(10-9-29)
(14-21-24)
(25-12-7)
(26-25-6)
(28-10-25)
xLWR(4-6-9)
(8-6-18)
(9-5-3)
(9-5-27)
(10-35-4)
(24-36-15)
(27-6-17)
(34-12-18)
(6-50-20) xINUT
+5V
(17-48-21) xPRPOW
(42-35) xOPTRD
D2(3-8-30)
(4-31-21)
(5-4-4)
(14-13-37)
(15-13-37)
(17-4-32)
(8-30)
(24-5-32)
(25-6-32)
(26-14-37)
(32-26-31)
(34-12-27)
D0(3-8-38)
(4-22-21)
(5-4-12)
(14-5-38)
(15-5-37)
(17-4-36)
(8-26)
(24-5-36)
(25-6-36)
(26-5-37)
(32-26-36)
(34-5-28)
D1(3-8-34)
(4-27-21)
(5-4-8)
(14-9-37)
(15-9-37)
(17-8-36)
(4-26)
(24-9-36)
(25-10-36)
(26-10-37)
(32-30-36)
(34-8-27)
BLS-017500
23
TITLE
CPU
8.6-32

SIM-74HC245S
UP4

(6-32-31) D0
(7-51-37)
(8-49-35)
(9-50-38)
(10-49-36)
(13-46-24)
(23-43-7)
(27-27-32)
(27-50-38)
(28-24-36)

(6-28-31) D1
(7-45-37)
(8-44-35)
(9-46-37)
(10-49-32)
(13-50-25)
(23-51-7)
(27-23-32)
(27-46-37)
(28-20-36)

(6-24-32) D2
(7-51-31)
(8-42-34)
(9-42-37)
(10-49-28)
(13-46-31)
(23-45-8)
(27-27-28)
(27-50-33)
(28-24-31)

(6-44-33) D3
(7-45-31)
(8-36-34)
(9-38-37)
(10-49-24)
(13-50-31)
(27-23-28)
(27-46-32)
(28-20-31)

(6-40-32) D4
(7-51-26)
(8-49-29)
(9-34-36)
(10-49-28)
(13-46-37)
(27-27-24)
(27-50-28)

(6-36-32) D5
(7-45-26)
(8-44-29)
(9-30-36)
(10-49-16)
(13-50-37)
(27-23-24)
(27-46-28)

(7-51-21) D6
(8-40-28)
(9-26-35)
(10-49-12)
(13-32-31)
(27-27-20)
(27-50-24)

(7-45-21) D7
(8-36-28)
(9-22-32)
(10-49-8)
(13-36-31)
(27-23-20)
(27-46-24)

R76
DD0(30-16-30)
DD1(30-36-30)
DD2(30-16-30)
DD3(30-36-32)
DD4(30-16-29)
DD5(30-36-29)
DD6(30-16-28)
DD7(30-36-28)

SIM-74HC245S
UP5

(7-45-15) D8
(8-49-22)
(9-50-23)
(13-32-33)
(27-27-12)
(27-50-20)

(7-40-15) D9
(8-44-21)
(9-47-23)
(13-36-34)
(27-23-12)
(27-46-20)

(7-45-13) D10
(8-40-21)
(9-42-23)
(13-32-36)
(27-27-9)
(27-50-18)

(7-40-12) D11
(8-36-21)
(9-38-22)
(13-36-36)
(27-23-9)
(27-46-18)

(7-45-9) D12
(8-49-16)
(9-34-22)
(13-46-13)
(27-27-6)
(27-50-16)

(7-40-9) D13
(8-44-16)
(9-30-21)
(13-50-13)
(27-23-6)
(27-46-15)

(7-45-6) D14
(8-40-15)
(9-26-21)
(13-46-18)
(27-27-4)
(27-50-13)

(7-40-6) D15
(8-36-15)
(9-22-21)
(13-50-18)
(27-23-4)
(27-46-12)

R77
DD8(30-16-27)
DD9(30-36-27)
DD10(30-16-26)
DD11(30-36-26)
DD12(30-16-26)
DD13(30-36-26)
DD14(30-16-25)
DD15(30-36-25)

SIM-74HC08S
UP9

(47-20) xDBSET
(32-27-14) xADWR

SIM-74HC08S
UP9

(3-36-5) W/R
(30-40-16) xBGACK

SIM-74HC245S
UP6

(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8

R78
DA1(30-16-23)
DA2(30-36-23)
DA3(30-16-22)
DA4(30-36-22)
DA5(30-16-22)
DA6(30-36-22)
DA7(30-16-21)
DA8(30-36-21)

SIM-74HC245S
UP7

(3-42-26) A9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(3-47-19) A14
(3-42-19) A15
(3-51-17) A16

R79
DA9(30-16-20)
DA10(30-36-20)
DA11(30-16-19)
DA12(30-36-19)
DA13(30-16-24)
DA14(30-36-24)
DA15(30-36-13)

(30-40-16) xBGACK

+5V

(23-48-16) 10M

SIM-74HC74S

SIM-74HC08S
UP9

xDBSET(9-3)

(5-44-27) xEXT

U146

SIM-74HC367S
UP8

(23-51-14) xRD
(23-51-10) xLWR
(23-44-23) xUWR

R80
xDRD(30-36-18)
xDLWR(30-16-17)
xDUWR(30-36-17)

(16-32-14) VSYNC
(16-32-16) HSYNC

VD(22-45-8)
HD(22-45-11)

SIM-74HC32S
U126

(3-47-6) xBC

xADBG(30-16-15)

U51

(3-51-11) xAS

SIM-74HC04S

D-BUS I/F

BLS-017500

24

TITLE
CPU

8.6-33

A-BUS I/F

SIM-74HC245S
U100

(6-32-31) D0
(7-51-37)
(8-49-35)
(9-50-38)
(10-49-36)
(13-46-24)
(23-43-7)
(27-27-32)
(27-50-38)
(28-24-36)

(6-28-31) D1
(7-45-37)
(8-44-35)
(9-46-37)
(10-49-32)
(13-50-25)
(23-51-7)
(27-23-32)
(27-46-37)
(28-20-36)

(6-24-30) D2
(7-51-31)
(8-42-34)
(9-42-37)
(10-49-28)
(13-46-31)
(23-45-8)
(27-27-28)
(27-50-33)
(28-24-31)

(6-44-33) D3
(7-45-31)
(8-36-34)
(9-38-37)
(10-49-24)
(13-50-31)
(27-23-28)
(27-46-32)
(28-20-31)

(6-40-32) D4
(7-51-26)
(8-49-29)
(9-34-36)
(10-49-20)
(13-46-37)
(27-27-24)
(27-50-28)

(6-36-32) D5
(7-45-26)
(8-44-29)
(9-30-36)
(10-49-16)
(13-50-37)
(27-23-24)
(27-46-28)

(7-51-21) D6
(8-40-28)
(9-26-35)
(10-49-12)
(13-32-31)
(27-27-20)
(27-50-24)

(7-45-21) D7
(8-36-28)
(9-22-32)
(10-49-8)
(13-36-31)
(27-23-20)
(27-46-24)

(3-36-5) W/R

(5-44-6) xANGATE

R81
AD0(31-16-26)
AD1(31-36-26)
AD2(31-16-25)
AD3(31-36-25)
AD4(31-16-24)
AD5(31-36-24)
AD6(31-16-23)
AD7(31-36-23)

SIM-74HC244S
U101

(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8

R82
AA1(31-16-30)
AA2(31-36-30)
AA3(31-16-30)
AA4(31-36-30)
AA5(31-16-29)
AA6(31-36-29)
AA7(31-16-28)
AA8(31-36-28)

SIM-74HC367S
U102

(3-42-26) AP
(23-47-14) xRD1
(23-47-10) xLWR1
(5-49-11) xAAWR
(12-36-31) 20M
(4-28-34) xRESET1

R83
AAP(31-16-27)
xARD(31-16-19)
xAWR(31-36-19)
xACWR(31-36-20)
CLK20M(30-16-9)
xRST(30-16-18)

BLS-017500	25
TITLE: CPU	8.6-34

(6-32-31) D0 (7-51-37) (8-49-35) (9-50-38) (10-49-36) (13-46-24) (23-43-7) (27-27-32) (27-50-38) (28-24-36)

(6-28-31) D1 (7-45-37) (8-44-35) (9-46-37) (10-49-32) (13-50-25) (23-51-7) (27-23-32) (27-46-37) (28-20-36)

(6-24-30) D2 (7-51-31) (8-40-34) (9-42-37) (10-49-28) (13-46-31) (23-45-8) (27-27-28) (27-50-33) (28-24-31)

(6-44-33) D3 (7-45-31) (8-36-34) (9-38-37) (10-49-24) (13-50-31) (27-23-28) (27-46-32) (28-20-31)

(6-40-32) D4 (7-51-26) (8-49-29) (9-34-36) (10-49-20) (13-46-37) (27-27-24) (27-50-28)

(6-36-32) D5 (7-45-26) (8-44-29) (9-30-36) (10-49-16) (13-50-37) (27-23-24) (27-46-28)

(7-51-21) D6 (8-40-28) (9-26-35) (10-49-12) (13-32-31) (27-27-20) (27-50-24)

(7-45-21) D7 (8-36-28) (9-22-32) (10-49-8) (13-36-31) (27-23-20) (27-46-24)

xRVCC

(3-51-32) A4

(3-51-38) A1

(3-47-37) A2

(23-32-33) xMCARD

(23-47-14) xRD1

(4-32-36) xRESET (14-37-21)

(12-36-31) 20M

(23-47-10) xLWR1

U103 SIT-74F245S

SIM-74HC32S U126

SIM-74HC74S U133

U141 SIT-74F10S

R36 RCB-AC1K

SIT-74LS375S U140

SIM-74HC541S U104

U137 SIT-74F04S

DDL-AK20 DL1

SIT-74LS27S U138

U105 SIT-74F74S

SIT-74LS390S U139

MCD0(6-13)
MCD1(14-13)
MCD2(6-12)
MCD3(14-12)
MCD4(6-12)
MCD5(14-12)
MCD6(6-11)
MCD7(14-11)

VON(6-10)

MCA1(6-9)
MCA2(14-9)
MCCS(6-8)
MCWR(6-7)
MCRD(6-6)

RB7

+5V

J10 CONNECTOR
MEMORY CARD I/F
(JCR-AF026PX02)

J10 JCR-AF026PX02

(48-37) MCD0
(48-37) MCD1
(48-37) MCD2
(48-36) MCD3
(48-36) MCD4
(48-35) MCD5
(48-35) MCD6
(48-35) MCD7
(48-30) VON
(48-25) MCA1
(48-24) MCA2
(48-24) MCCS
(48-24) MCWR
(48-23) MCRD
+5V
xRVCC
GND

MEMORY CARD I/F
FOR 68000 (10MHZ)

BLS-017500

26

TITLE: CPU

8.6-35

SDS-1SS270
D15
+5V
RCB-RC10K
R40
D16
SDS-1SS270
B5V(28-5-24)
DBP-001841
BT1
(BT+)
(BT-)
SIT-74LS03
U110
(4-28-34) xRESET1
(23-32-34) xBUPRAM
U142
SIM-74HC04S
R69
RCB-RC1K
BATTERY BACK-UP RAM
(64KW)
U106
SMM-55257x10S-1
CSM-ACR1U50V
C26
(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8
(3-42-26) A9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(3-47-19) A14
(3-42-19) A15
(23-51-14) xRD
(23-51-10) xLWR
(23-44-23) xUWR
D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-6-36) (26-5-37) (32-26-36) (34-5-28)
D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-10-37) (32-30-36) (34-8-27)
D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (32-26-31) (34-12-27)
D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-10-32) (26-18-36) (32-30-31) (34-15-26)
D4(3-8-22) (4-39-20) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-6-28) (26-22-36) (32-26-27) (34-5-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-10-28) (26-26-35) (32-30-26) (34-8-22)
D6(3-8-14) (4-31-13) (5-13-10) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-30-35) (32-26-21) (34-12-22)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-10-24) (26-34-35) (32-30-21) (34-16-21)
D8(3-16-31) (15-17-31) (17-4-20) (24-5-20) (32-26-16)
D9(3-16-28) (15-5-27) (17-8-20) (24-9-20) (32-30-16)
D10(3-16-25) (15-9-27) (17-4-16) (24-5-16) (32-26-13)
D11(3-16-22) (15-13-26) (17-8-16) (24-9-16) (28-33-36) (32-30-12)
D12(3-16-19) (15-5-23) (17-4-12) (24-5-12) (28-33-33) (32-26-9)
D13(3-16-17) (15-9-22) (17-8-12) (24-9-12) (28-33-30) (32-30-9)
D14(3-16-14) (15-13-22) (17-4-8) (24-5-8) (28-33-28) (32-26-5)
D15(3-16-11) (15-5-18) (17-8-8) (24-9-8) (28-33-23) (32-30-5)
SMM-55257x10S-1
U107
FPU BLOCK
(NS32081D)
U109
SIM-NS32081D
+5V
RCB-RC10K
R70
(3-47-37) A2
(3-42-37) A3
DMY-000P14-1
U108
(5-44-25) xFPUSEL
(5-44-25) xFPUPOL
(3-47-10) R/W
(4-28-34) xRESET1
(23-48-16) 10M
D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-6-36) (26-5-37) (32-26-36) (34-5-28)
D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-10-37) (32-30-36) (34-8-27)
D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (32-26-31) (34-12-27)
D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-10-32) (26-18-36) (32-30-31) (34-15-26)
D4(3-8-22) (4-39-20) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-6-28) (26-22-36) (32-26-27) (34-5-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-10-28) (26-26-35) (32-30-26) (34-8-22)
D6(3-8-14) (4-31-13) (5-13-10) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-30-35) (32-26-21) (34-12-22)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-10-24) (26-34-35) (32-30-21) (34-16-21)
D8(3-16-31) (15-17-31) (17-4-20) (24-5-20) (32-26-16)
D9(3-16-28) (15-5-27) (17-8-20) (24-9-20) (32-30-16)
D10(3-16-25) (15-9-27) (17-4-16) (24-5-16) (32-26-13)
D11(3-16-22) (15-13-26) (17-8-16) (24-9-16) (28-33-36) (32-30-12)
D12(3-16-19) (15-5-23) (17-4-12) (24-5-12) (28-33-33) (32-26-9)
D13(3-16-17) (15-9-22) (17-8-12) (24-9-12) (28-33-30) (32-30-9)
D14(3-16-14) (15-13-22) (17-4-8) (24-5-8) (28-33-28) (32-26-5)
D15(3-16-11) (15-5-18) (17-8-8) (24-9-8) (28-33-23) (32-30-5)
+5V
R71
RCB-RC1K
xDTACK(3-14-7)
U24
SIT-74LS07

BLS-017500	27
TITLE: CPU	8.6-36

RTC

SIM-62421
U111

(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
+5V
(23-32-34) xCSRTC
(4-28-34) xRESET1
(23-47-14) xRD1
(23-47-10) xLWR1
(27-22-34) 85V

AB A1 A2 A3 ALE CS# CS1 rd wr VDD VDD VDD GND
D0 D1 D2 D3 std

C28
C29

CTA-AC10U16V

CSM-ACR1U50V

D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-6-36) (26-5-37) (32-26-36) (34-5-28)

D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-10-37) (32-30-36) (34-8-27)

D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (32-26-31) (34-12-27)

D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-10-32) (26-18-36) (32-30-31) (34-15-26)

SIM-74HC08S
U144

(4-28-34) xRESET1
(4-14-10) xRTCCLR

SIM-74HC04S
U142

SIM-74HC74S
U143

xINTRTC(23-10-B)

RCB-RC4R7K
R72

+5V

(7-40-12) D11 (8-36-21) (9-38-22) (13-36-36) (27-23-9) (27-46-18)

(7-45-9) D12 (8-49-16) (9-34-22) (13-46-13) (27-27-6) (27-50-16)

(7-40-9) D13 (8-44-16) (9-30-21) (13-50-13) (27-23-6) (27-46-15)

(7-45-6) D14 (8-40-15) (9-26-21) (13-46-18) (27-27-4) (27-50-13)

(7-40-6) D15 (8-36-15) (9-22-21) (13-50-18) (27-23-4) (27-46-12)

OVERLOAD
63% OVERLOAD

SIT-74LS85S
U112

A0 A1 A2 A3 B0 B1 B2 B3 !B !E !A
LA AB LB

SIT-74LS08S
U47

SIM-74HC74S
U143

xINTOVR(16-9-31)

RCB-RC1K
R89

(30-20-16) xFFTMOD
(30-20-14) xADWR

SIM-74HC27S
U36

SIM-74HC04S
U142

SIM-74HC08S
U144

(4-14-10) xOVRCLR
(4-28-34) xRESET1

BLS-017500

28

TITLE
CPU

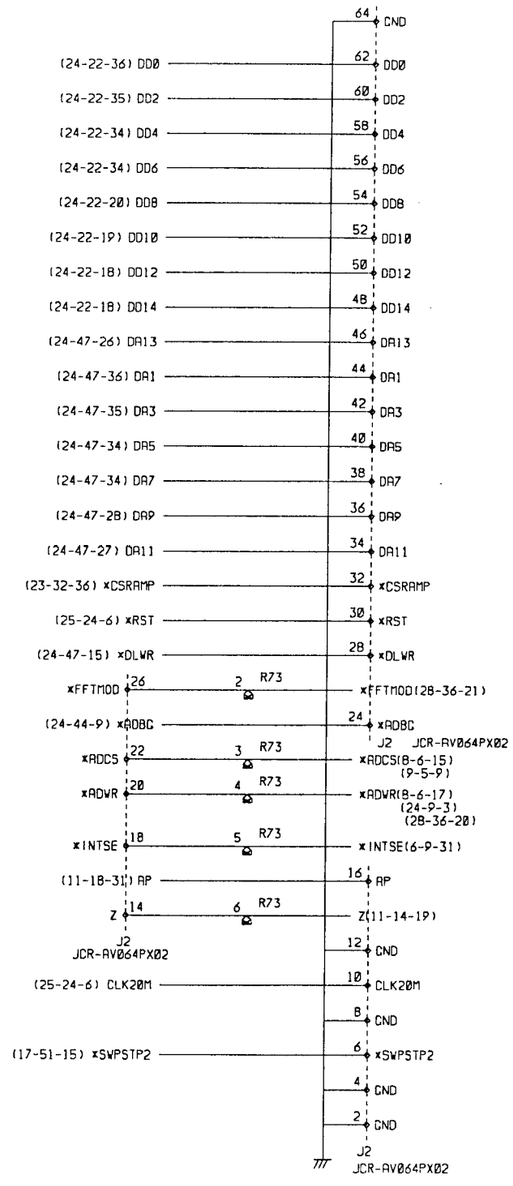
8.6-37

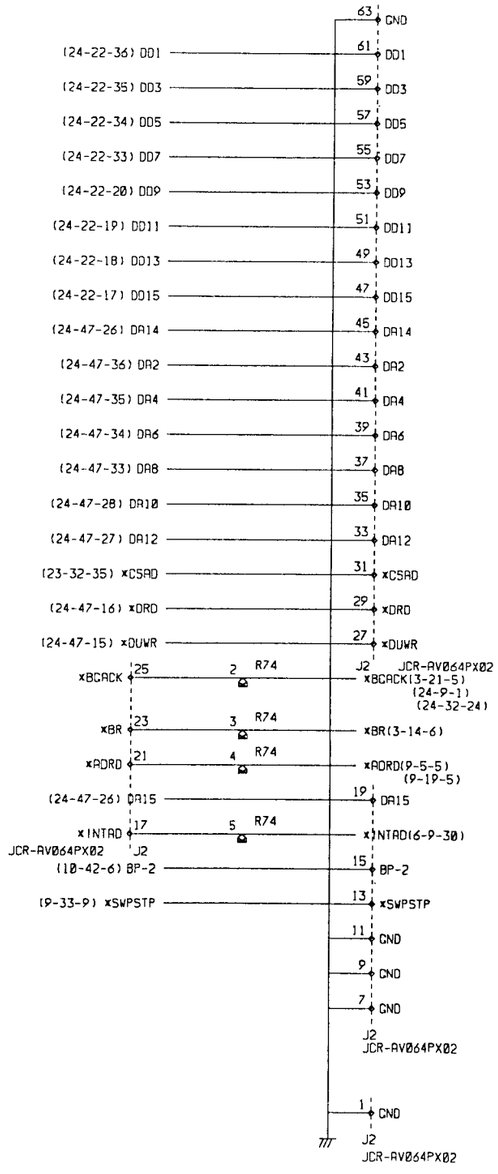
J1/J3 CONNECTOR
POWER CONNECT
J1=JCR-AV064PX02
J3=JCR-AV050PX02

LCL-T000B4R
CCK-CV100U25V C98
CCK-CX100U16V C96
CCK-CV470U16V C97
TP1 JTE-AH001JX01
TP2 JTE-AH001JX01
TP3 JTE-AH001JX01
TP4 JTE-AH001JX01
TP5 JTE-AH001JX01
CSM-ACR1U50V C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94

BLS-017500	29
TITLE CPU	8.6-38

J2 CONNECTOR
DIGITAL BUS CONNECTOR
FOR AD/RAMP
(JCR-AV064PX02)





BLS-017500	30
TITLE: CPU	8.6-39

J1 CONNECTOR
ANALOG BUS CONNECT
FOR LOG/RF/IF/SYNTH
(JCR-AV064PX02)

(25-24-16) AA1 — 62 — AA1
(25-24-15) AA3 — 60 — AA3
(25-24-14) AA5 — 58 — AA5
(25-24-13) AA7 — 56 — AA7
(25-24-8) AA9 — 54 — AA9

(25-24-36) AD0 — 50 — AD0
(25-24-35) AD2 — 48 — AD2
(25-24-34) AD4 — 46 — AD4
(25-24-34) AD6 — 44 — AD6

(5-44-19) xCSLOG — 40 — xCSLOG
(5-44-18) xCSIF1 — 38 — xCSIF1
(5-44-17) xCSSYN — 36 — xCSSYN
(25-24-8) xARD — 34 — xARD

J1
JCR-AV064PX02

(25-24-16) AA2 — 61 — AA2
(25-24-15) AA4 — 59 — AA4
(25-24-14) AA6 — 57 — AA6
(25-24-13) AA8 — 55 — AA8

J1
JCR-AV064PX02

(25-24-36) AD1 — 49 — AD1
(25-24-35) AD3 — 47 — AD3
(25-24-34) AD5 — 45 — AD5
(25-24-33) AD7 — 43 — AD7

(5-44-19) xCSRF — 39 — xCSRF
(5-44-18) xCSIF2 — 37 — xCSIF2
(25-24-7) xACWR — 35 — xACWR
(25-24-7) xPWR — 33 — xAWR

J1
JCR-AV064PX02

BLS-017500 — 31

TITLE
CPU

8.6-40

SIM-74HC157S
U113

(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4

RAMA1(8-12-35) (9-6-14)
RAMA2(8-12-35) (9-6-14)
RAMA3(8-12-34) (9-6-13)
RAMA4(8-12-34) (9-6-13)

SIM-74HC157S
U114

(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8

RAMA5(8-12-34) (9-6-12)
RAMA6(8-12-33) (9-6-12)
RAMA7(8-12-33) (9-6-12)
RAMA8(8-12-32) (9-6-11)

SIM-74HC157S
U115

(3-42-26) A9

RAMA9(8-12-32) (9-6-11)

SIM-74HC02S
U27

(23-51-14) xRD

+5V

(5-44-24) xBRVON

U146
SIM-74HC74S

(4-28-34) xRESET1
(5-44-24) xBRVOFF

U144
SIM-74HC08S

9BIT 512POINTS
BIT REVERSE

(6-32-31) D0
(7-51-37)
(8-49-35)
(9-50-38)
(10-49-36)
(13-46-24)
(23-43-7)
(27-27-32)
(27-50-38)
(28-24-36)

(6-28-31) D1
(7-45-37)
(8-44-35)
(9-46-37)
(10-49-32)
(13-50-25)
(23-51-7)
(27-23-32)
(27-46-37)
(28-20-36)

(6-24-30) D2
(7-51-31)
(8-40-34)
(9-42-37)
(10-49-28)
(13-46-31)
(23-45-8)
(27-27-28)
(27-50-33)
(28-24-31)

(6-44-33) D3
(7-45-31)
(8-36-34)
(9-38-37)
(10-49-24)
(13-50-31)
(27-23-28)
(27-46-32)
(28-20-31)

(6-40-32) D4
(7-51-26)
(8-49-29)
(9-34-36)
(10-49-20)
(13-46-37)
(27-27-24)
(27-50-28)

(6-36-32) D5
(7-45-26)
(8-44-29)
(9-30-36)
(10-49-16)
(13-50-37)
(27-23-24)
(27-46-28)

(7-51-21) D6
(8-40-28)
(9-26-35)
(10-49-12)
(13-32-31)
(27-27-20)
(27-50-24)

(7-45-21) D7
(8-36-28)
(9-22-32)
(10-49-8)
(13-36-31)
(27-23-20)
(27-46-24)

(7-45-15) D8
(8-49-22)
(9-50-23)
(13-32-33)
(27-27-12)
(27-50-20)

(7-40-15) D9
(8-44-21)
(9-47-23)
(13-36-34)
(27-23-12)
(27-46-20)

(7-45-13) D10
(8-40-21)
(9-42-23)
(13-32-36)
(27-27-9)
(27-50-18)

(7-40-12) D11
(8-36-21)
(9-38-22)
(13-36-36)
(27-23-9)
(27-46-18)

(7-45-9) D12
(8-49-16)
(9-34-22)
(13-46-13)
(27-27-6)
(27-50-16)

(7-40-9) D13
(8-44-16)
(9-30-21)
(13-50-13)
(27-23-6)
(27-46-15)

(7-45-6) D14
(8-40-15)
(9-26-21)
(13-46-18)
(27-27-4)
(27-50-13)

(7-40-6) D15
(8-36-15)
(9-22-21)
(13-50-18)
(27-23-4)
(27-46-12)

SIM-74HC32S
U39

(23-51-14) xRD
(5-44-31) xRAM

DATA PRIORITY ENCODER

SIM-74HC534S
U116

SIT-74LS348S
U118

SIM-74HC240S
U120

RBP

SIM-74HC534S
U117

SIT-74LS348S
U119

RBP

SIM-74HC32S
U39

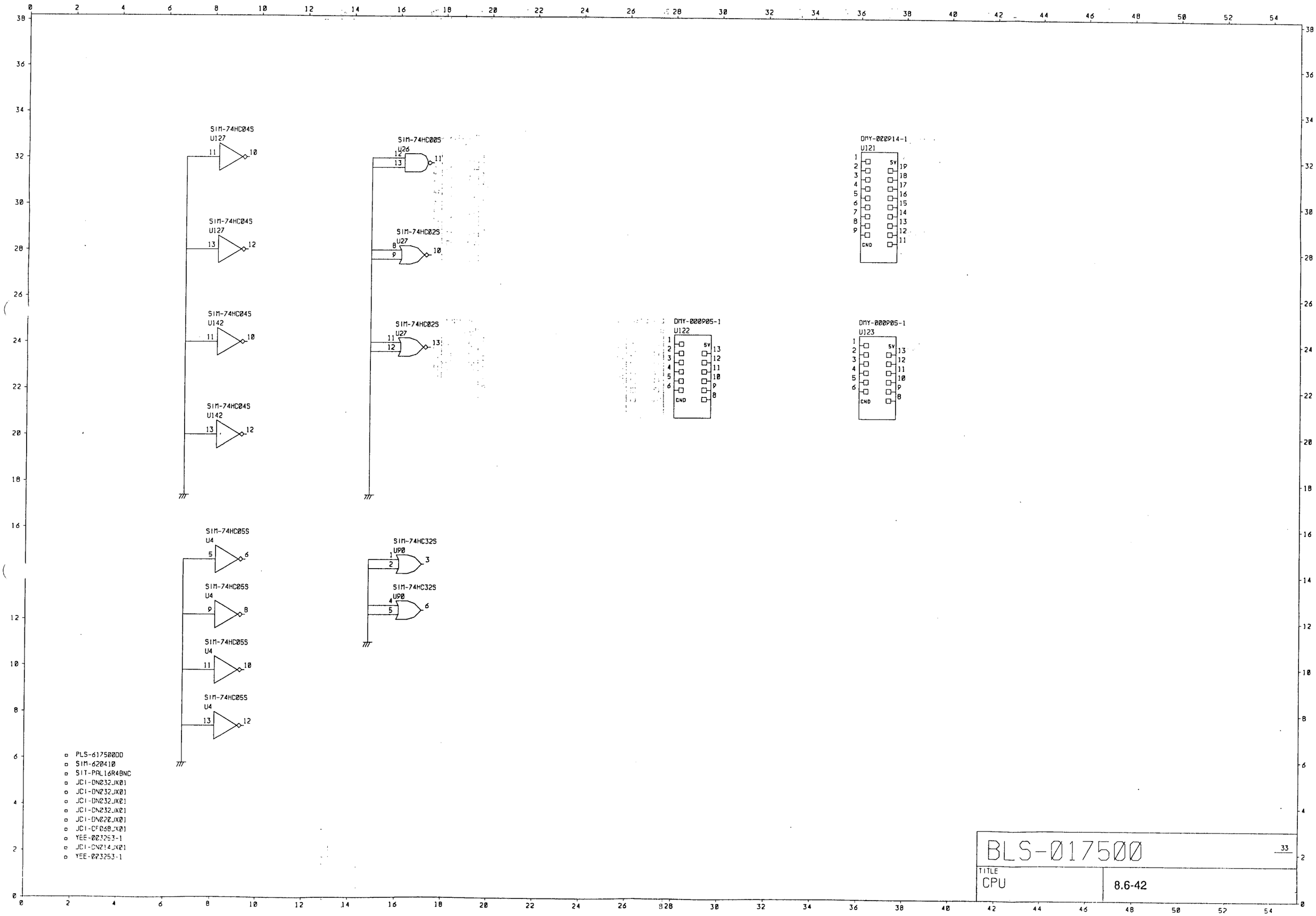
(23-51-14) xRD
(5-44-23) xPEN

BLS-017500

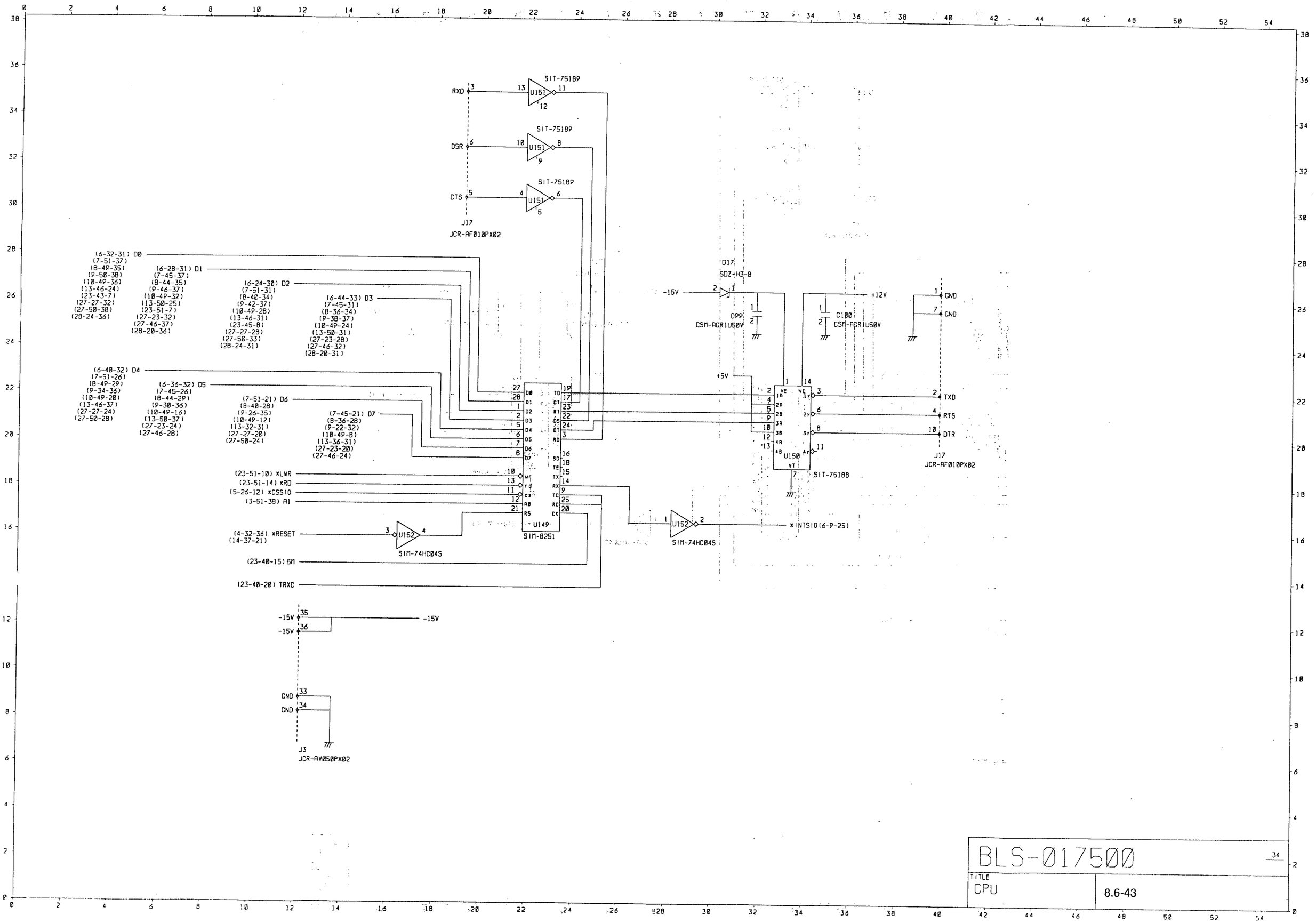
32

TITLE
CPU

8.6-41



BLS-017500	33
TITLE: CPU	8.6-42



BLS-017500 34

TITLE CPU

8.6-43

GND +5V 16 8 xxxxx SIM-74HC157S

GND +5V 16 8 xxxxx SIM-74HC148S

GND +5V 14 7 xxxxx SIM-74HC14S

GND +5V 16 8 xxxxx SIM-74HC138S

GND +5V 14 7 xxxxx SIM-74HC08S

GND +5V 14 7 xxxxx SIM-74HC05S

GND +5V 14 7 xxxxx SIM-74HC04S

GND +5V 14 7 xxxxx SIM-74HC02S

GND +5V 14 7 xxxxx SIM-74HC00S

GND +5V 33 73 12 52 xxxxx SIM-654B15

GND +5V 26 58 10 42 xxxxx SIM-654146

GND +5V 26 58 10 42 xxxxx SIM-61H06B23F-1

+5V 1 xxxxx RAY-AL3RPKB

+5V 1 xxxxx RAY-AL1KB

GND +5V 20 10 xxxxx DMY-000P14-1

GND +5V 14 7 xxxxx DMY-000P05-1

GND +5V 14 7 xxxxx DDL-RK20

GND +5V 20 10 xxxxx SIM-74HC541S

GND +5V 20 10 xxxxx SIM-74HC534S

GND +5V 16 8 xxxxx SIM-74HC4538S

GND +5V 14 7 xxxxx SIM-74HC393S

GND +5V 20 10 xxxxx SIM-74HC374S

GND +5V 16 8 xxxxx SIM-74HC367S

GND +5V 14 7 xxxxx SIM-74HC32S

GND +5V 14 7 xxxxx SIM-74HC30S

GND +5V 20 10 xxxxx SIM-74HC273S

GND +5V 14 7 xxxxx SIM-74HC27S

GND +5V 20 10 xxxxx SIM-74HC245S

GND +5V 20 10 xxxxx SIM-74HC244S

GND +5V 20 10 xxxxx SIM-74HC240S

GND +5V 14 7 xxxxx SIM-74HC20S

GND +5V 16 8 xxxxx SIM-74HC166S

GND +5V 14 7 xxxxx SIM-74HC164S

GND +5V 16 8 xxxxx SIM-74HC161S

GND +5V 16 8 xxxxx SIT-74LS390S

GND +5V 16 8 xxxxx SIT-74LS375S

GND +5V 16 8 xxxxx SIT-74LS348S

GND +5V 14 7 xxxxx SIT-74LS27S

GND +5V 14 7 xxxxx SIT-74LS11S

GND +5V 14 7 xxxxx SIT-74LS07

GND +5V 14 7 xxxxx SIT-74LS03

GND +5V 14 7 xxxxx SIT-74F74S

GND +5V 20 10 xxxxx SIT-74F245S

GND +5V 20 10 xxxxx SIT-74F244S

GND +5V 16 8 xxxxx SIT-74F175S

GND +5V 14 7 xxxxx SIT-74F10S

GND +5V 14 7 xxxxx SIT-74F04S

GND +5V 40 20 xxxxx SIM-9P14

GND +5V 58 59 61 62 109 110 134 135 158 159 7 8 18 19 29 30 47 57 72 73 89 90 107 117 126 146 xxxxx SIM-P5C60×20KC-1

GND +5V 14 7 xxxxx SIM-74HC86S

GND +5V 14 7 xxxxx SIM-74HC74S

GND +5V 16 8 xxxxx SIT-74LS85S

GND +5V 14 7 xxxxx SIT-75189

GND +5V 26 4 xxxxx SIM-8251

GND +5V 28 14 xxxxx SMM-58C66×25S-1

GND +5V 28 14 xxxxx SMM-B464CS

GND +5V 32 16 xxxxx SMM-658128LP12

GND +5V 18 6 xxxxx SMM-4461A

GND +5V 32 16 xxxxx SMM-27C2001D15-1

GND +5V 20 10 xxxxx SIT-75161

GND +5V 20 10 xxxxx SIT-75160

GND +5V 14 7 xxxxx SIT-74LS00S

BLS-017500		35/35
TITLE CPU	8.6-44 *	

WARRANTY

ADVANTEST product is warranted against defects in material and workmanship for a period of one year from the date of delivery to original buyer.

LIMITATION OF WARRANTY

The foregoing warranty shall not apply to defects resulting from improper or inadequate maintenance by buyer, unauthorized modification or misuse, accident or abnormal conditions of operations.
No other warranty is expressed or implied. ADVANTEST specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.
ADVANTEST shall not be liable for any special incidental or consequential damages, whether in contract, tort or otherwise.
Any and all warranties are revoked if the product is removed from the country in which it was originally purchased.

SERVICE

During the warranty period, ADVANTEST will, at its option, either repair or replace products which prove to be defective.
When trouble occurs, buyer should contact his local supplier or ADVANTEST giving full details of the problem and the model name and serial number.
For the products returned to ADVANTEST for warranty service, buyer shall prepay shipping and transportation charges to ADVANTEST and ADVANTEST shall pay shipping and transportation charges to return the product to buyer. However, buyer shall pay all charges, duties, and taxes incurred in his country for products returned from ADVANTEST.

CLAIM FOR DAMAGE IN SHIPMENT TO ORIGINAL BUYER

The product should be thoroughly inspected immediately upon original delivery to buyer. All material in the container should be checked against the enclosed packing list or the instruction manual alternatively. ADVANTEST will not be responsible for shortage unless notified immediately.
If the product is damaged in any way, a claim should be filed by the buyer with carrier immediately. (To obtain a quotation to repair shipment damage, contact ADVANTEST or the local supplier.) Final claim and negotiations with the carrier must be completed by buyer.

SALES & SUPPORT OFFICES

Advantest(Singapore)Pte.Ltd.
438A Alexandra Road
#08-03/06 Alexandra Technopark Singapore 119967
Phone : 65-274-3100 Facsimile : 65-274-4055

ROHDE & SCHWARZ Engineering and Sales GmbH
Mühldorfstr. 15 (P.O.B. 80 1429, D-81614 Munichen)
D-81671 Munichen, Germany
Phone : 49-89-4129-13711 Facsimile : 49-89-4129-13723

TEKTRONIX INC.
P.O. Box 500, M/S 39-520, Beaverton, Oregon 97077-0001
or
Howard Vollum Industrial Park, M/S 58-743, Beaverton, OR, 97077, U.S.A.
Inside the U.S. 1-800-426-2200
Outside the U.S. 1-503-627-1933

—— Technology Support on the Leading Edge ——
ADVANTEST®
ADVANTEST CORPORATION
Shinjuku-NS Building, 4-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo 163-0880, Japan
Phone:+81-3-3342-7500 Facsimile:+81-3-5322-7270 Telex:232-4914 ADVAN J