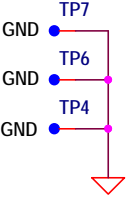
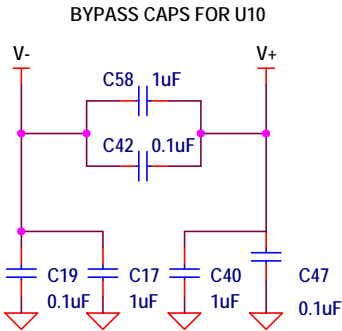


NOTE: UNLESS OTHERWISE SPECIFIED  
1. ALL RESISTORS AND CAPACITORS ARE 0603 PACKAGE.  
2. SCHEMATIC DEPICTS USAGE FOR DC2289A-A. SEE ASSEMBLY OPTIONS  
TABLE BELOW FOR U1 AND COMPONENTS USED ON ADDITIONAL SKU NUMBERS.

\* ASSEMBLY OPTIONS TABLE

SKU#	U1	MSPS	R30	R51	R56	C41	C55	C64
DC2289A-A	LTC2380-24	2	OPT	10 OHMS	OPT	3300pF	6800pF	6800pF
DC2289A-B	LTC2368-24	1	0 OHMS	OPT	0 OHMS	OPT	3300pF	OPT



**CUSTOMER NOTICE**

LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

**APPROVALS**

PCB DES.	M.HAWKINS
APP ENG.	GUY HOOVER

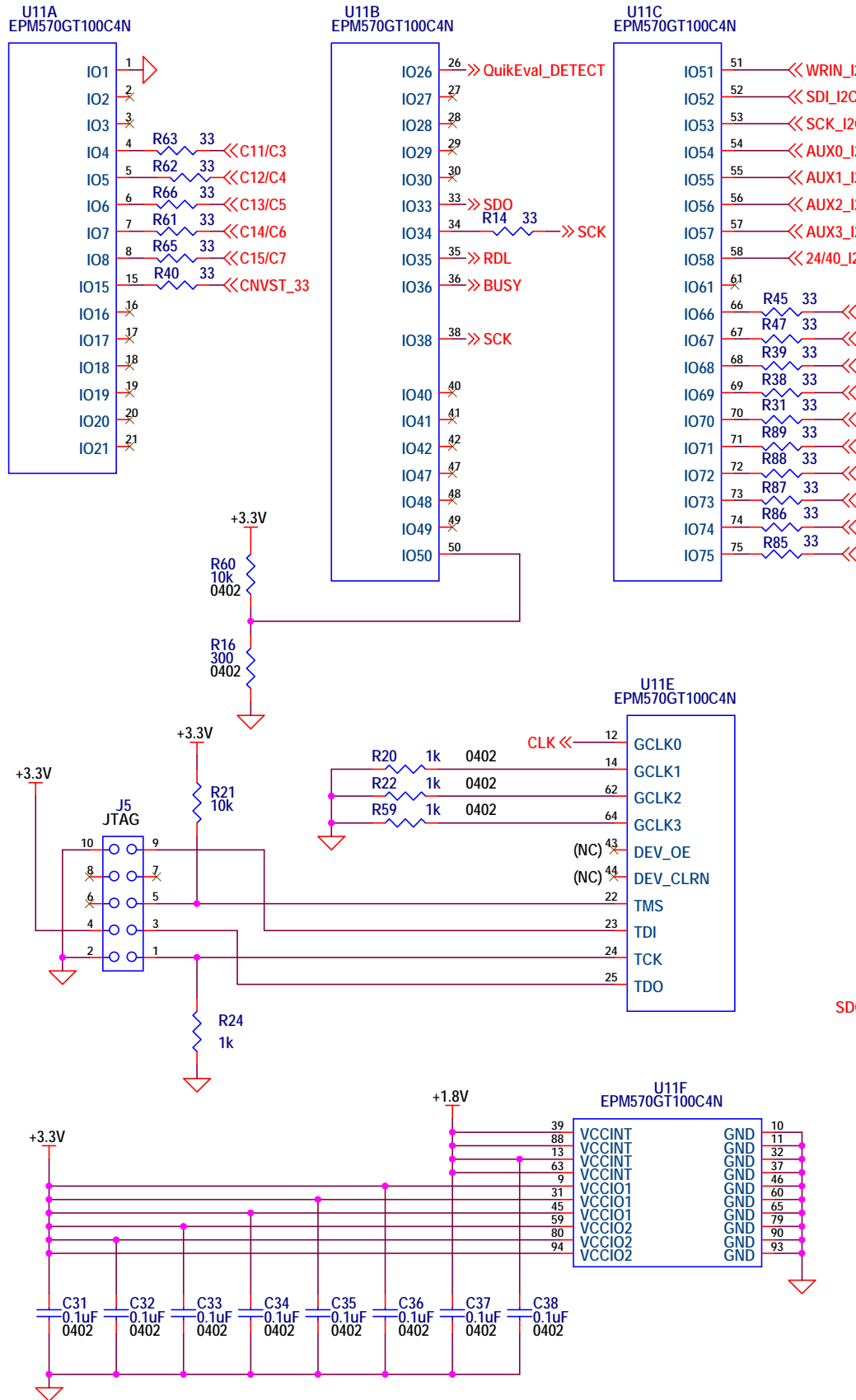
**IC NO.**  
**LTC2380-24**  
**LTC2368-24**

**SKU NO.**  
**DC2289A-A**  
**DC2289A-B**

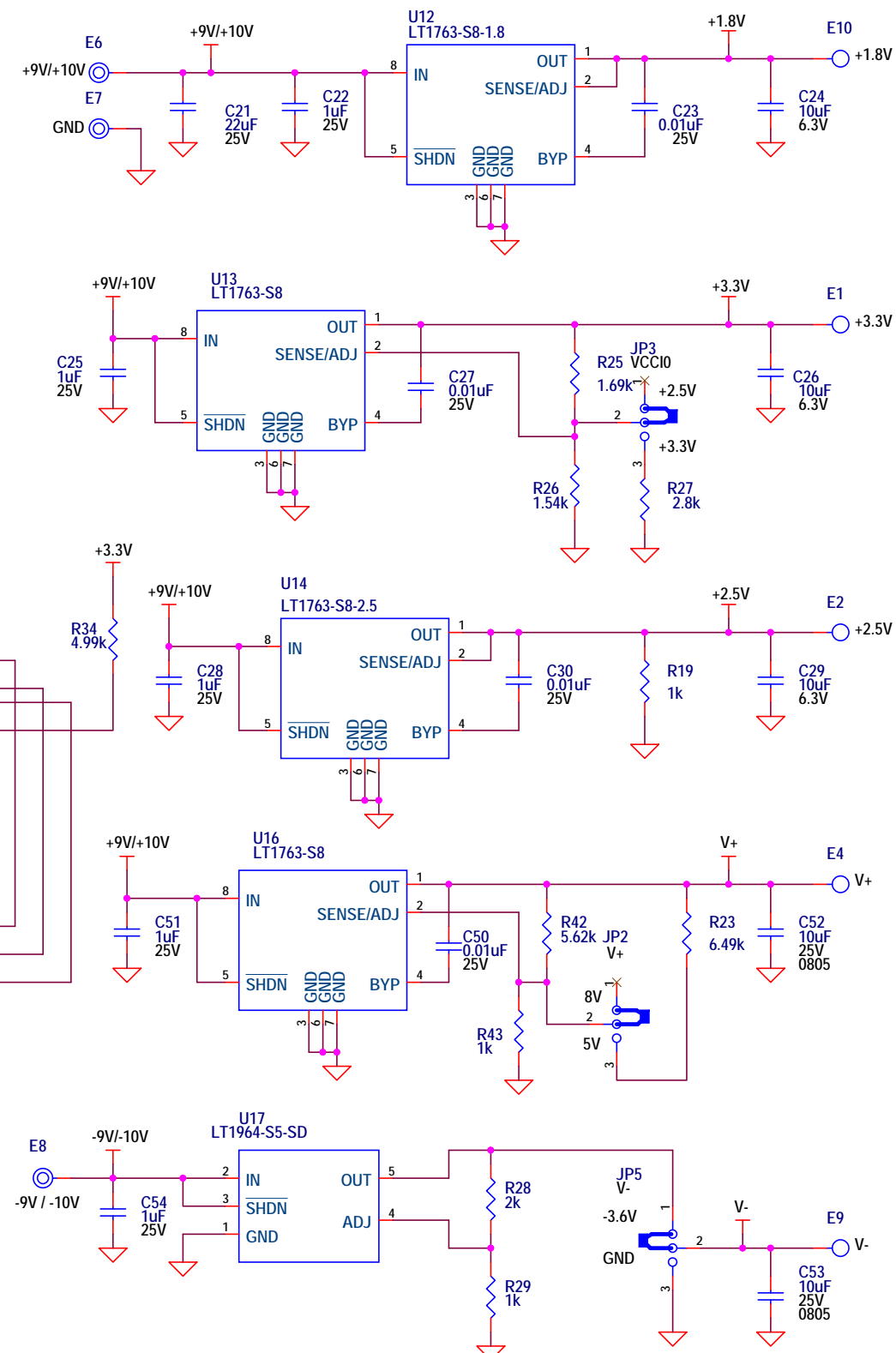
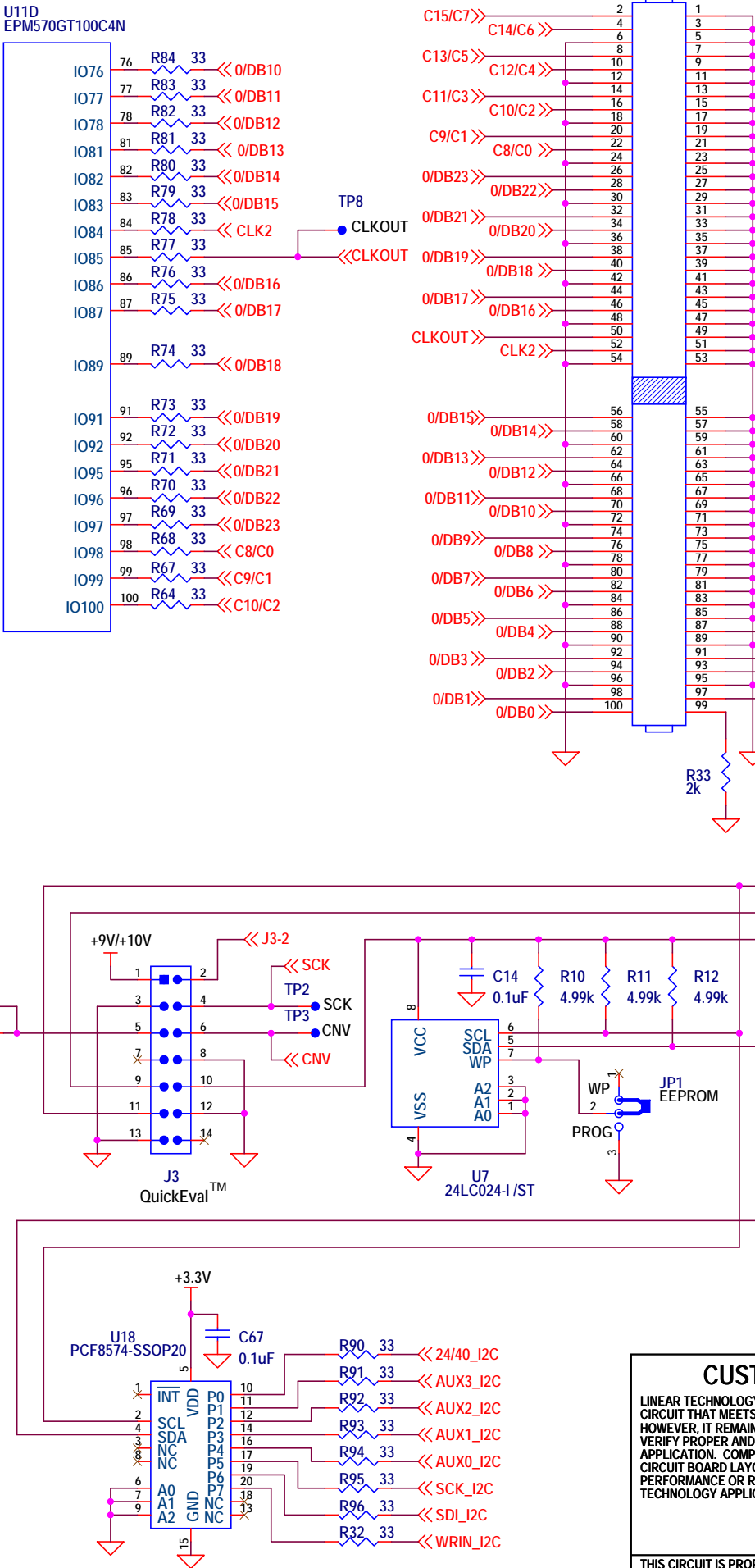
1630 McCarthy Blvd.  
Milpitas, CA 95035  
Phone: (408)432-1900 [www.linear.com](http://www.linear.com)  
Fax: (408)434-0507  
LTC Confidential-For Customer Use Only

**TITLE: DEMO CIRCUIT SCHEMATIC,  
LOW POWER, HIGH SPEED 24-BIT SAR ADC  
WITH DIGITAL FILTER**

SIZE: 11X17	PCA ASS'Y DWG: 705-DC2289A_REV01	SCHEMATIC NO. AND REVISION: 710-DC2289A_REV 01
SCALE = NONE		
DATE:	Wednesday, October 28, 2015	SHEET 1 OF 2



PCB FAB & HARDWARE	
MP1	STANDOFF,NYLON, SNAP-ON, 0.250"
MP2	STANDOFF,NYLON, SNAP-ON, 0.250"
MP3	STANDOFF,NYLON, SNAP-ON, 0.250"
MP4	STANDOFF,NYLON, SNAP-ON, 0.250"
PCB1	PCB, DC2289A REV01



CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.		PCB DES.	M.HAWKINS		
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		APP ENG.	GUY HOOVER	IC NO. <b>LTC2380-24</b> <b>LTC2368-24</b>	
		SKU NO. <b>DC2289A-A</b> <b>DC2289A-B</b>		TITLE: DEMO CIRCUIT SCHEMATIC, LOW POWER, HIGH SPEED 24-BIT SAR ADC WITH DIGITAL FILTER	
		SIZE: 11X17	PCA ASS'Y DWG: 705-DC2289A_REV01	SCHEMATIC NO. AND REVISION: 710-DC2289A_REV 01	
		SCALE = NONE	DATE: Wednesday, October 28, 2015	SHEET 2 OF 2	