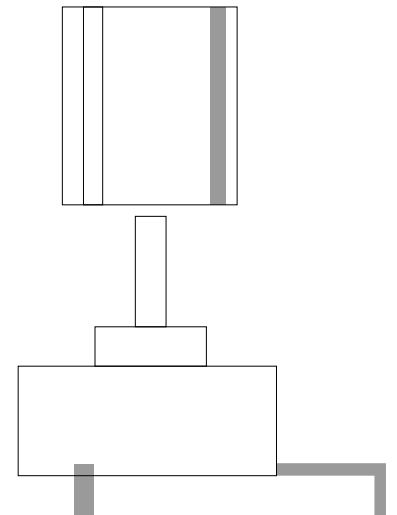
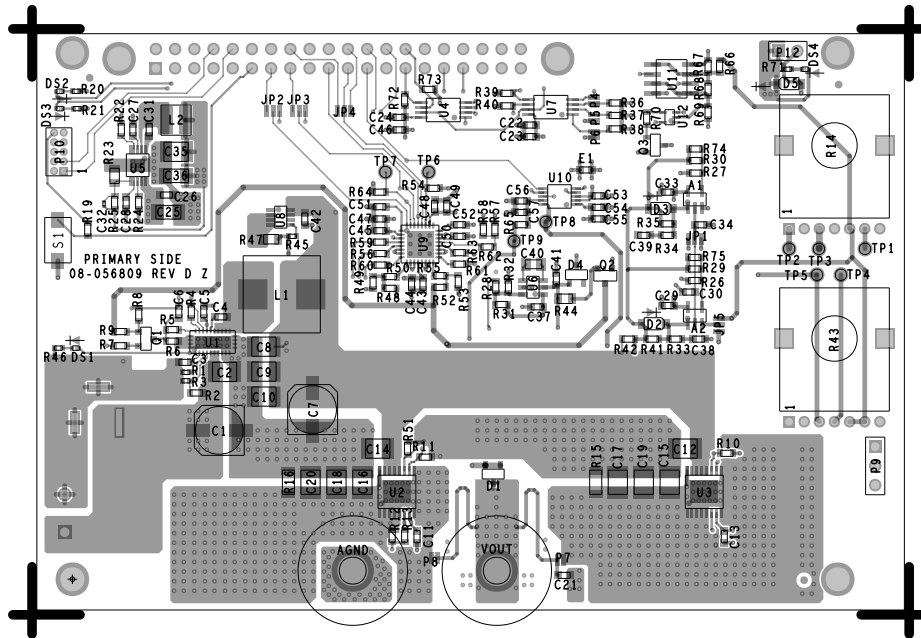
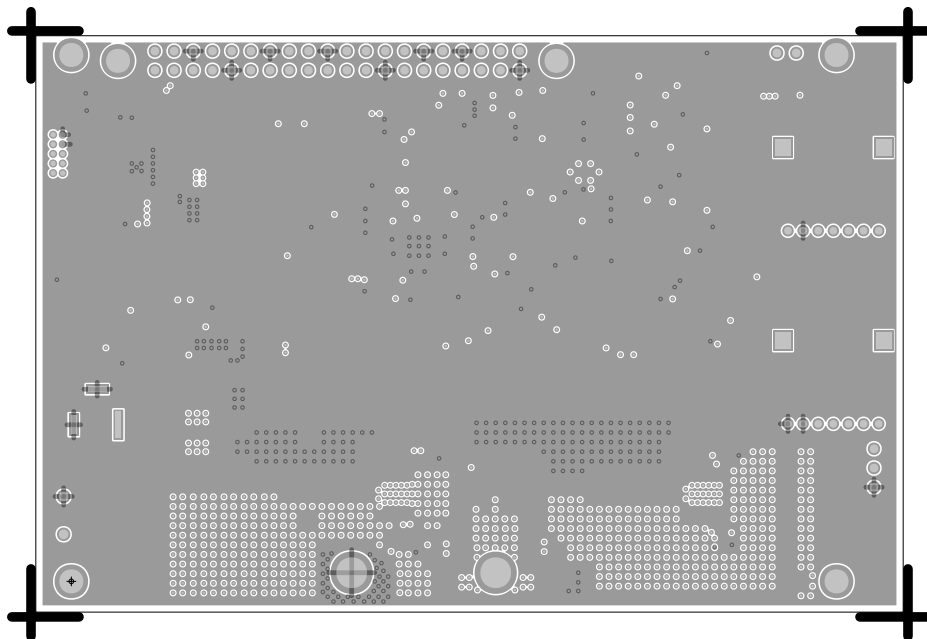




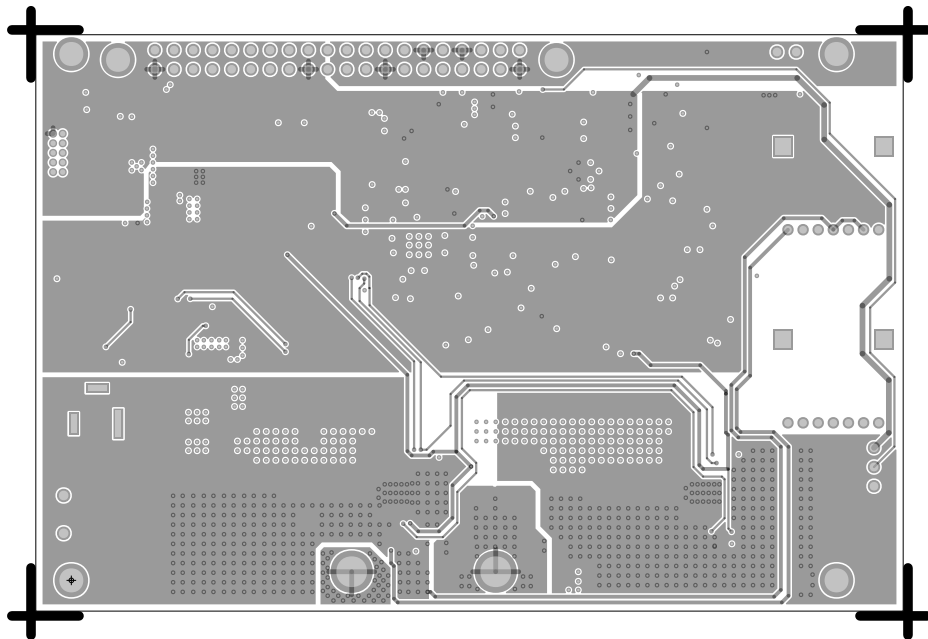
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08-056809-01  
REV D



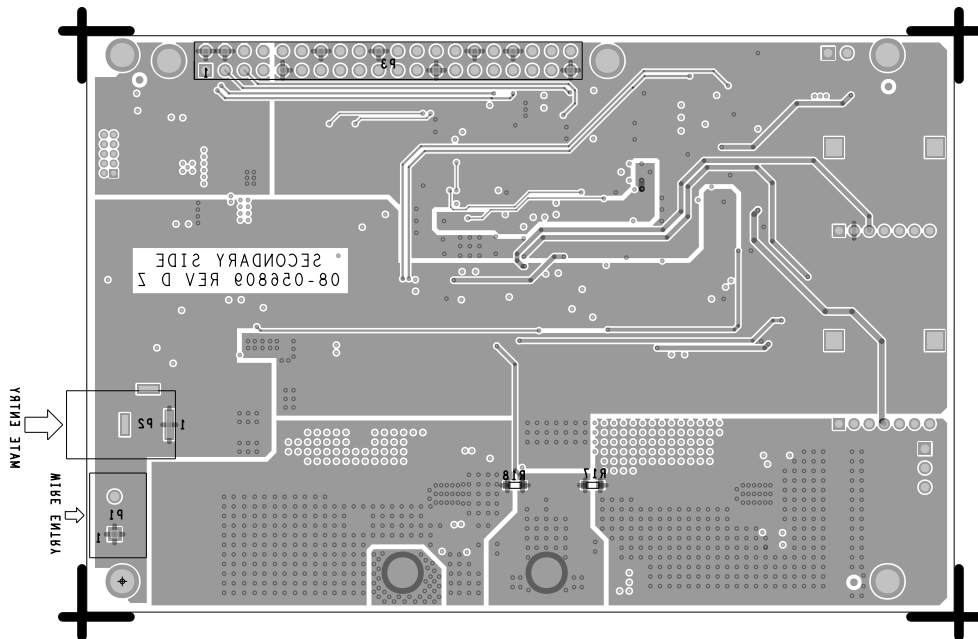
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08-056809-07  
REV D



L3 VCC  
08-056809-08  
REV D



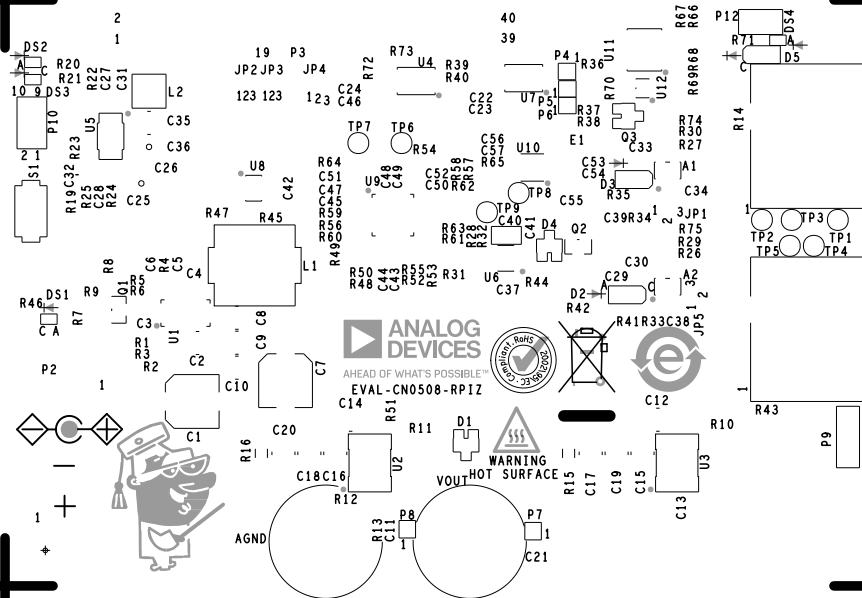
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08-056809-02  
REV D



## SILKSCREEN PRIMARY

08-056809-03

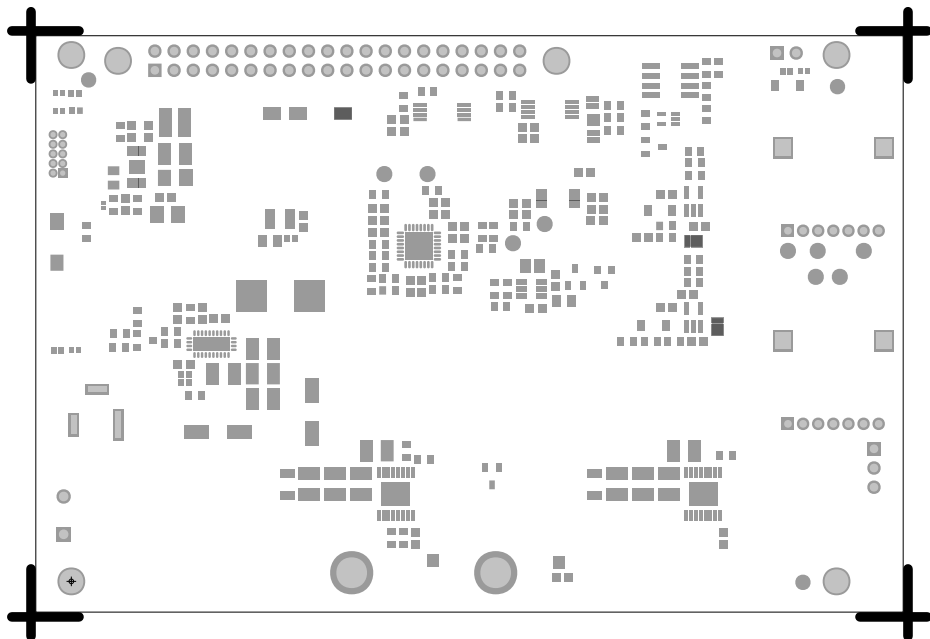
REV D



SOLDERMASK PRIMARY

08-056809-04

REV D



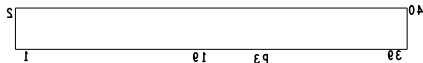
# SILKSCREEN SECONDARY

08-056809-05

REV D



010  
p10  
15



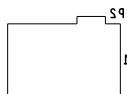
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p19



014  
p14

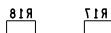
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p13

016  
p16



+

010  
p10



011  
p11

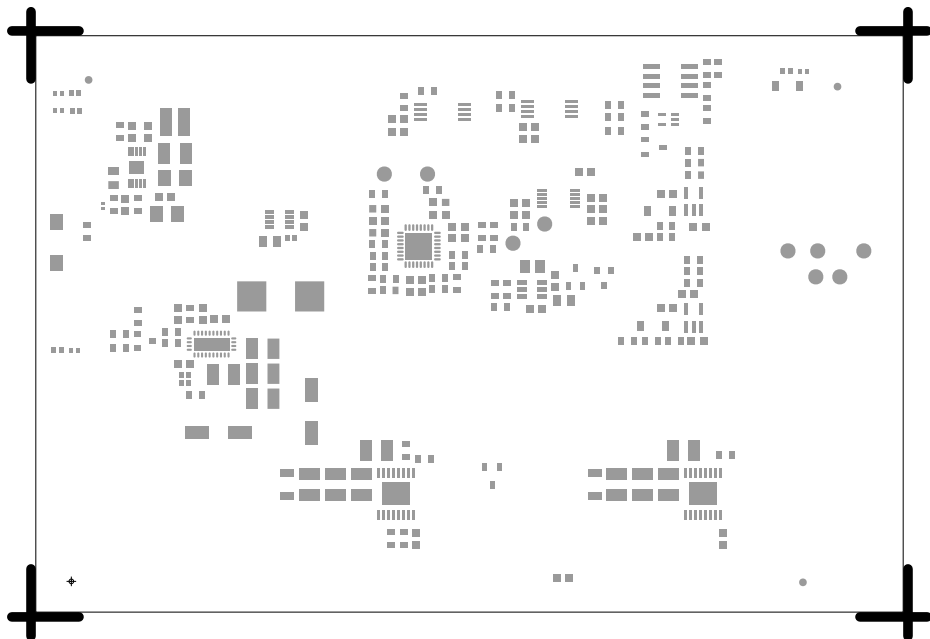




PASTEMASK PRIMARY

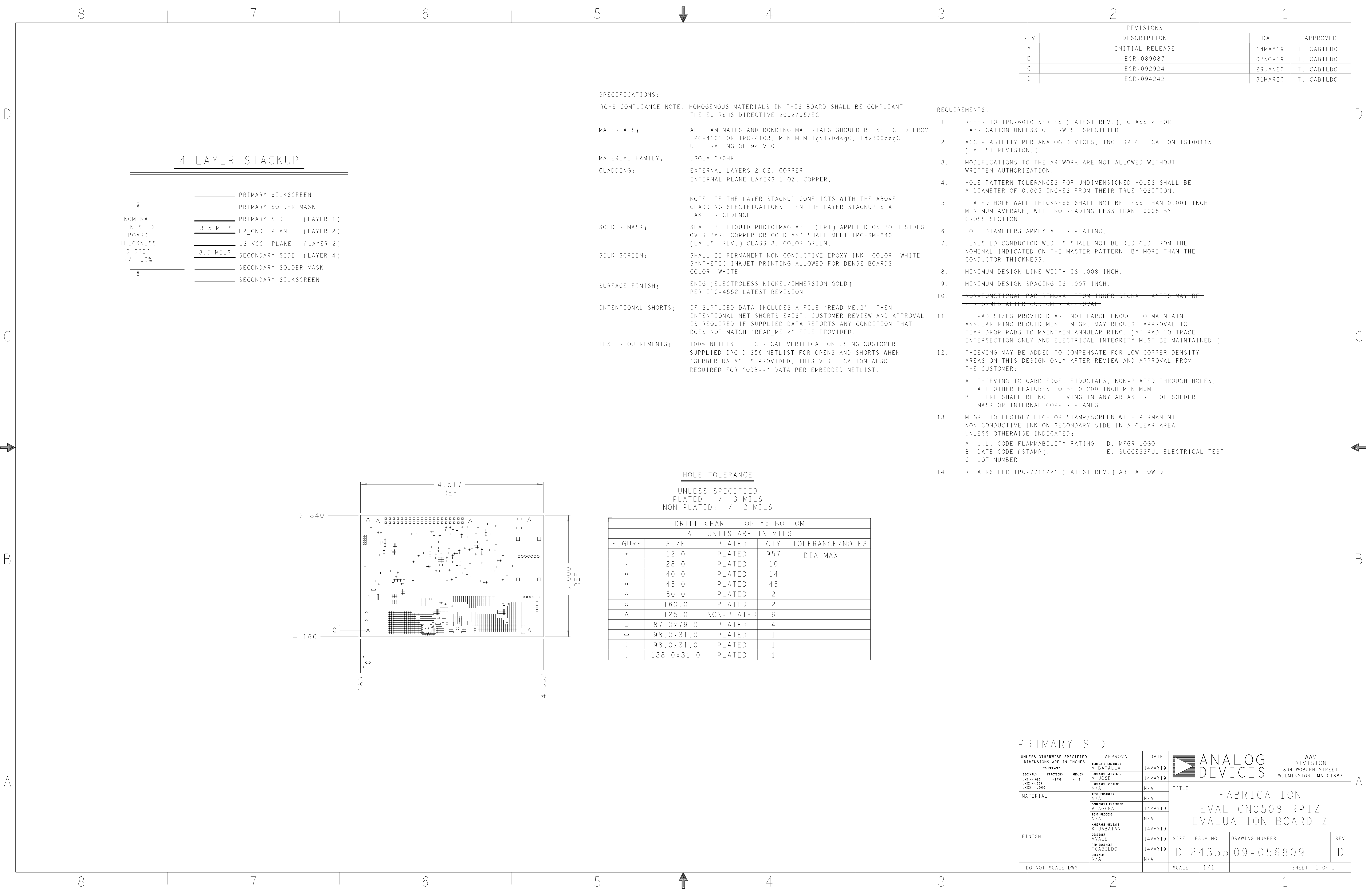
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REV D

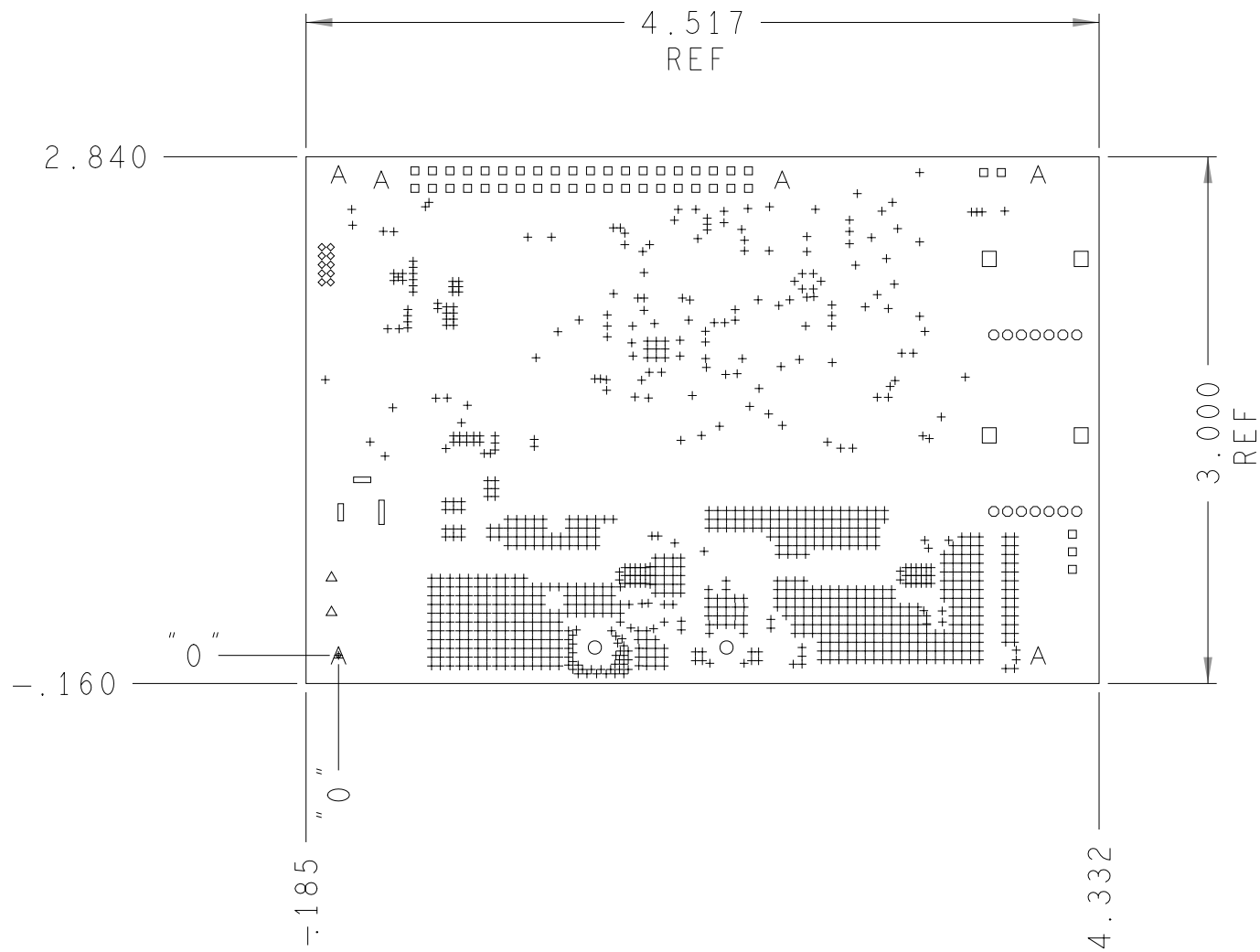
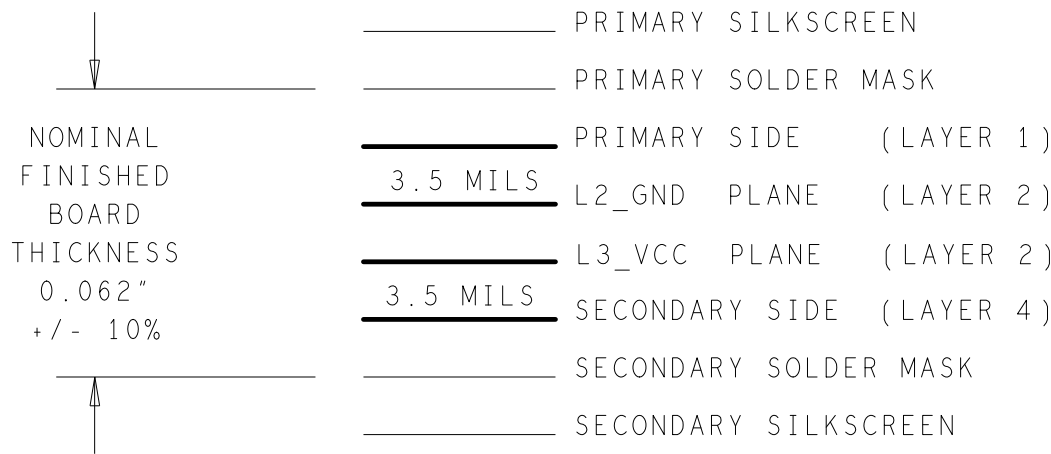


PASTEMASK SECONDARY  
08-056809-10  
REV D





4 LAYER STACKUP



HOLE TOLERANCE

UNLESS SPECIFIED  
PLATED: +/- 3 MILS  
NON PLATED: +/- 2 MILS

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	PLATED	QTY	TOLERANCE/NOTES
+	12.0	PLATED	957	DIA MAX
o	28.0	PLATED	10	
o	40.0	PLATED	14	
o	45.0	PLATED	45	
△	50.0	PLATED	2	
o	160.0	PLATED	2	
A	125.0	NON-PLATED	6	
□	87.0x79.0	PLATED	4	
▢	98.0x31.0	PLATED	1	
▢	98.0x31.0	PLATED	1	
▢	138.0x31.0	PLATED	1	

SPECIFICATIONS:

ROHS COMPLIANCE NOTE: HOMOGENOUS MATERIALS IN THIS BOARD SHALL BE COMPLIANT THE EU RoHS DIRECTIVE 2002/95/EC

MATERIALS; ALL LAMINATES AND BONDING MATERIALS SHOULD BE SELECTED FROM IPC-4101 OR IPC-4103, MINIMUM Tg>170degC, Td>300degC, U.L. RATING OF 94 V-0

MATERIAL FAMILY; ISOLA 370HR

CLADDING; EXTERNAL LAYERS 2 OZ. COPPER  
INTERNAL PLANE LAYERS 1 OZ. COPPER.

NOTE: IF THE LAYER STACKUP CONFLICTS WITH THE ABOVE CLADDING SPECIFICATIONS THEN THE LAYER STACKUP SHALL TAKE PRECEDENCE.

SOLDER MASK; SHALL BE LIQUID PHOTOIMAGEABLE (LPI) APPLIED ON BOTH SIDES OVER BARE COPPER OR GOLD AND SHALL MEET IPC-SM-840 (LATEST REV.) CLASS 3, COLOR GREEN.

SILK SCREEN; SHALL BE PERMANENT NON-CONDUCTIVE EPOXY INK, COLOR: WHITE  
SYNTHETIC INKJET PRINTING ALLOWED FOR DENSE BOARDS, COLOR: WHITE

SURFACE FINISH; ENIG (ELECTROLESS NICKEL/IMMERSION GOLD)  
PER IPC-4552 LATEST REVISION


INTENTIONAL SHORTS; IF SUPPLIED DATA INCLUDES A FILE "READ\_ME.2", THEN INTENTIONAL NET SHORTS EXIST. CUSTOMER REVIEW AND APPROVAL IS REQUIRED IF SUPPLIED DATA REPORTS ANY CONDITION THAT DOES NOT MATCH "READ\_ME.2" FILE PROVIDED.

TEST REQUIREMENTS; 100% NETLIST ELECTRICAL VERIFICATION USING CUSTOMER SUPPLIED IPC-D-356 NETLIST FOR OPENS AND SHORTS WHEN "GERBER DATA" IS PROVIDED. THIS VERIFICATION ALSO REQUIRED FOR "ODB++" DATA PER EMBEDDED NETLIST.

REQUIREMENTS:

- REFER TO IPC-6010 SERIES (LATEST REV.), CLASS 2 FOR FABRICATION UNLESS OTHERWISE SPECIFIED.
- ACCEPTABILITY PER ANALOG DEVICES, INC. SPECIFICATION TST00115, (LATEST REVISION.)
- MODIFICATIONS TO THE ARTWORK ARE NOT ALLOWED WITHOUT WRITTEN AUTHORIZATION.
- HOLE PATTERN TOLERANCES FOR UNDIMENSIONED HOLES SHALL BE A DIAMETER OF 0.005 INCHES FROM THEIR TRUE POSITION.
- PLATED HOLE WALL THICKNESS SHALL NOT BE LESS THAN 0.001 INCH MINIMUM AVERAGE, WITH NO READING LESS THAN .0008 BY CROSS SECTION.
- HOLE DIAMETERS APPLY AFTER PLATING.
- FINISHED CONDUCTOR WIDTHS SHALL NOT BE REDUCED FROM THE NOMINAL INDICATED ON THE MASTER PATTERN, BY MORE THAN THE CONDUCTOR THICKNESS.
- MINIMUM DESIGN LINE WIDTH IS .008 INCH.
- MINIMUM DESIGN SPACING IS .007 INCH.
- ~~NON FUNCTIONAL PAD REMOVAL FROM INNER SIGNAL LAYERS MAY BE PERFORMED AFTER CUSTOMER APPROVAL.~~
- IF PAD SIZES PROVIDED ARE NOT LARGE ENOUGH TO MAINTAIN ANNULAR RING REQUIREMENT, MFR. MAY REQUEST APPROVAL TO TEAR DROP PADS TO MAINTAIN ANNULAR RING. (AT PAD TO TRACE INTERSECTION ONLY AND ELECTRICAL INTEGRITY MUST BE MAINTAINED.)
- THIEVING MAY BE ADDED TO COMPENSATE FOR LOW COPPER DENSITY AREAS ON THIS DESIGN ONLY AFTER REVIEW AND APPROVAL FROM THE CUSTOMER:  
A. THIEVING TO CARD EDGE, FIDUCIALS, NON-PLATED THROUGH HOLES, ALL OTHER FEATURES TO BE 0.200 INCH MINIMUM.  
B. THERE SHALL BE NO THIEVING IN ANY AREAS FREE OF SOLDER MASK OR INTERNAL COPPER PLANES.
- MFR. TO LEGIBLY ETCH OR STAMP/SCREEN WITH PERMANENT NON-CONDUCTIVE INK ON SECONDARY SIDE IN A CLEAR AREA UNLESS OTHERWISE INDICATED;  
A. U.L. CODE-FLAMMABILITY RATING D. MFR LOGO  
B. DATE CODE (STAMP). E. SUCCESSFUL ELECTRICAL TEST.  
C. LOT NUMBER
- REPAIRS PER IPC-7711/21 (LATEST REV.) ARE ALLOWED.

PRIMARY SIDE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			APPROVAL		DATE		ANALOG DEVICES			WWM DIVISION 804 WOBURN STREET WILMINGTON, MA 01887				
TOLERANCES			TEMPLATE ENGINEER M. BATALLA		14MAY19									
DECIMALS FRACTIONS ANGLES			HARDWARE SERVICES M. JOSE		14MAY19									
.XX +/- .010 .XXX +/- .005 .XXXX +/- .0050			HARDWARE SYSTEMS N/A		N/A									
MATERIAL			TEST ENGINEER N/A		N/A									
			COMPONENT ENGINEER A. AGENA		14MAY19		TITLE			FABRICATION EVAL - CN0508 - RPIZ EVALUATION BOARD Z				
			TEST PROCESS N/A		N/A									
			HARDWARE RELEASE K. JABATAN		14MAY19									
FINISH			DESIGNER MVALE		14MAY19		SIZE		FSCM NO		DRAWING NUMBER		REV	
			P/D ENGINEER TCABILDO		14MAY19		D		24355		09-056809		D	
			CHECKER N/A		N/A									
DO NOT SCALE DWG					SCALE					1/1		SHEET 1 of 1		

