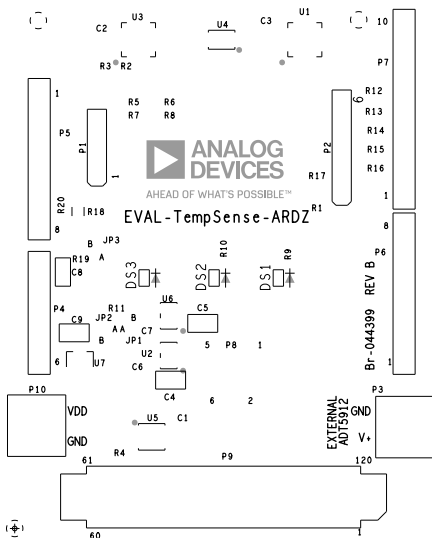
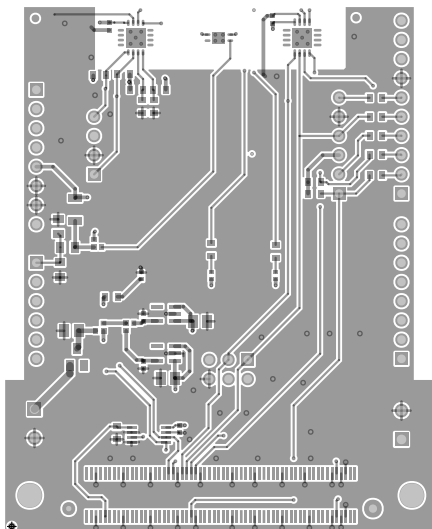
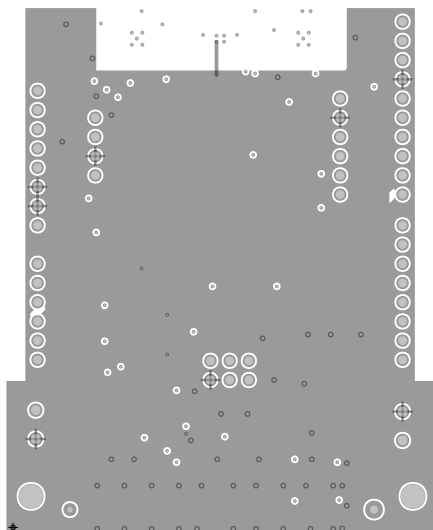




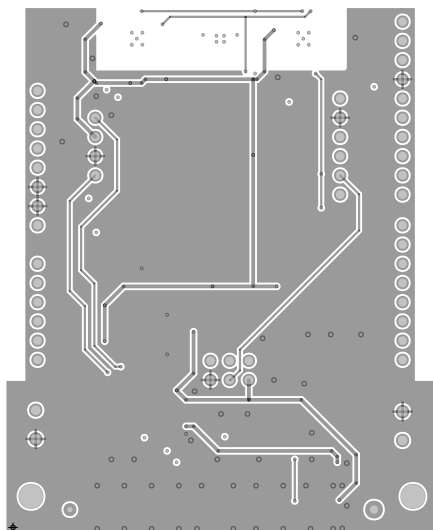
SILKSCREEN PRIMARY
08-044399-03
REV B



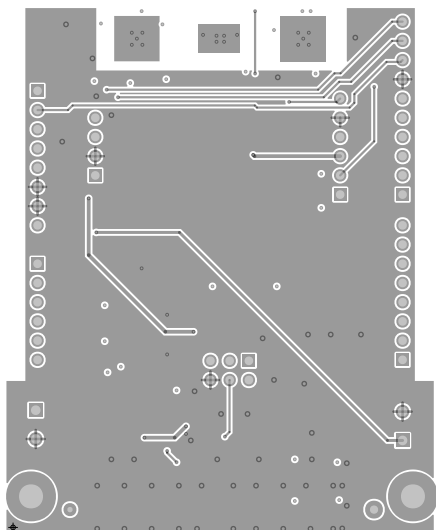
L1 PRIMARY
08-044399-01
REV B



L2 Internal GND
08-044399-07
REV B



L3 Internal GND
08-044399-08
REV B



L4 SECONDARY
08-044399-02
REV B

Thermoisolated Sensing Area

Generic	Accuracy	Interface
ADT7422	$\pm 0.1^{\circ}\text{C}$	I2C
ADT7420	$\pm 0.25^{\circ}\text{C}$	I2C
ADT7410	$\pm 0.5^{\circ}\text{C}$	I2C
ADT7320	$\pm 0.25^{\circ}\text{C}$	SPI
ADT7310	$\pm 0.5^{\circ}\text{C}$	SPI

Model: EVAL-TempSense-ARDZ
 Arduino Shield
 SDP-S, SDP-B, SDP-K
 Temperature Sensor
 Evaluation Platform



P3


**ANALOG
DEVICES**

P10

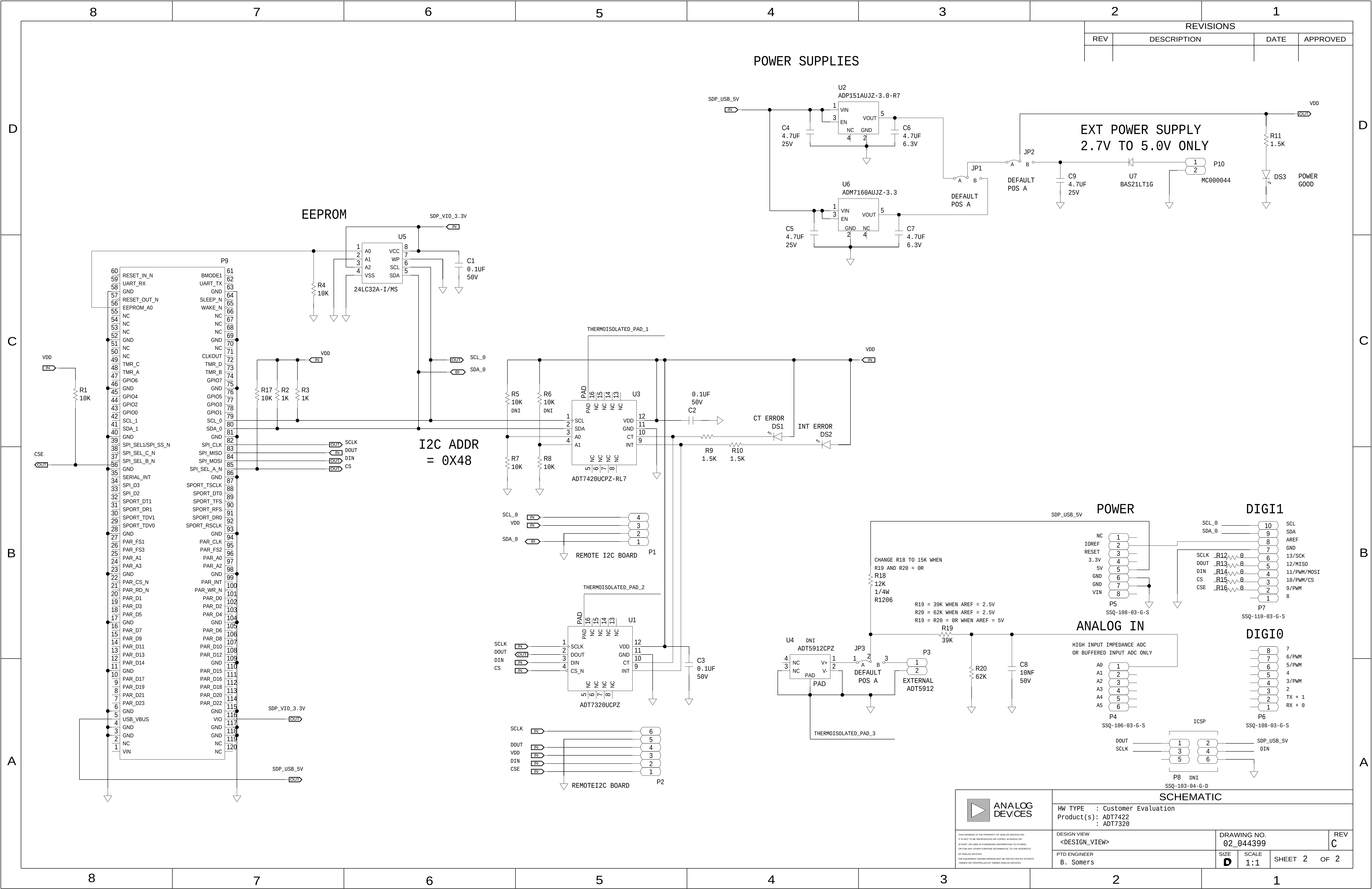
AHEAD OF WHAT'S POSSIBLE™


SILKSCREEN SECONDARY

08-044399-02

REV B

8		7		6		5		4		3		2		1			
D	THIS DRAWING IS THE PROPERTY OF ANALOG DEVICES INC. IT IS NOT TO BE REPRODUCED OR COPIED, IN WHOLE OR IN PART, OR USED IN FURNISHING INFORMATION TO OTHERS, OR FOR ANY OTHER PURPOSE DETRIMENTAL TO THE INTERESTS OF ANALOG DEVICES. THE EQUIPMENT SHOWN HEREON MAY BE PROTECTED BY PATENTS OWNED OR CONTROLLED BY ANALOG DEVICES.					JUMPER TABLE			REVISIONS								
									REV	DESCRIPTION	DATE	APPROVED					
	JP#	ON	OFF														
	1																
	2																
	3																
	4																
	5																
						* SEE ASSEMBLY INSTRUCTIONS											
	C	RELAY CONTROL CHART															
CONTROL		CODE	DEVICE	FUNCTION	CONNECTOR												
B																	
A																	
8		7		6		5		4		3		2		1			
P.O SPEC.		BK/BD SPEC.		SOCKET OEM		OEM PART#		HANDLER		SCHEMATIC						ANALOG DEV'CES	
										HW TYPE : Customer Evaluation Product(s): ADT7422 : ADT7320 PACKAGE : N/A-lead N/A N/A-family : Pitch-pitch StyleVendor Style							
										<User Define> <User Define> <User Define>							
										MASTER PROJECT TEMPLATE TBD						TESTER TEMPLATE no_template	
										DRAWING NO. 02_044399						REV. C	
										UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
										TOLERANCES							
										DECIMALS X.XX +0.010 X.XXX +-0.005						FRACTIONS +-1/32	
										ANGLES +-2						SIZE 1:1	
										CODE ID NO. CodeID						SHEET 1 OF 2	



TITLE: Bill of Materials

DATE: 11/07/2019

DESIGN: 02_044399c_top

ITEM#	Qty	WW_PN	DESCRIPTIC	VALUE	JEDEC_TYP	TOL	VOLTAGE	WATTAGE	LOCATION	MFG	MFG_PN	HLM_STAT	STOCKROO	STOCKROO	STOCKROO	STOCKROO	STOCKROO	CUSTOM_F	DNI
1	1	08_044399	PCB	?	?	?	?	?	?	Analog Dev	08_044399	N/A	?	?	?	?	?	?	?
2	3	E026461	CAP CER X7	0.1UF	C0402		10 50V	N/A	C1,C2,C3	TDK	C1005X7R	REL	N/A	N/A	N/A	N/A	N/A	?	?
3	3	E025752	CAP MULTI	4.7UF	C0805H53		10 25V	N/A	C4,C5,C9	TDK	C2012X7R	REL	N/A	N/A	N/A	N/A	N/A	?	?
4	2	E014207	CAP CER X5	4.7uF	C0402		20 6.3V	N/A	C6,C7	MURATA	GRM155R	REL	N/A	N/A	N/A	1661_CAB	7003192	?	?
5	1	E033655	CAP CER X7	10NF	C0805-2		10 50V	N/A	C8	KEMET	C0805C10	REL	N/A	N/A	N/A	N/A	N/A	?	?
6	2	E019415	LED LOW C	SML-P11V	LED0402	N/A	N/A	0.050W	DS1,DS2	ROHM	SML-P11V	REL	N/A	N/A	N/A	N/A	N/A	?	?
7	1	E014445	LED LOW C	SML-P11V	LED0402	N/A	N/A	0.054W	DS3	ROHM	SML-P11V	REL	N/A	N/A	N/A	N/A	N/A	?	?
8	3	E003438	RES JMPR S	0 3PINJUMP	N/A		N/A	N/A	JP1,JP2,JP3	PANASONI	ERJ-2GE0R	REL	A003-0021	N/A	N/A	1138_CAB	N/A	?	?
9	1	E000828	CONN-PCB	TSW-104-(	CNBERG1X	N/A	N/A	N/A	P1	SAMTEC	TSW-104-(	REL	A012-0003	N/A	N/A	N/A	N/A	?	?
10	2	E017339	CONN-PCB	MC00004-(	CN1X2H34	N/A	N/A	N/A	P3,P10	MULTICOM	MC00004-(	REL	N/A	N/A	N/A	N/A	6002152	?	?
11	1	E000872	CONN-PCB	TSW-106-(	CNBERG1X	N/A	N/A	N/A	P2	SAMTEC	TSW-106-(	REL	A012-0003	N/A	N/A	N/A	N/A	?	?
12	1	E020477	CONN-PCB	SSQ-106-0	CNSAMTEC	N/A	N/A	N/A	P4	SAMTEC	SSQ-106-0	REL	N/A	N/A	N/A	N/A	N/A	?	?
13	2	E020478	CONN-PCB	SSQ-108-0	CNSAMTEC	N/A	N/A	N/A	P5,P6	SAMTEC	SSQ-108-0	REL	N/A	N/A	N/A	N/A	N/A	?	?
14	1	E020479	CONN-PCB	SSQ-110-0	CNSAMTEC	N/A	N/A	N/A	P7	SAMTEC	SSQ-110-0	REL	N/A	N/A	N/A	N/A	N/A	?	?
16	1	E016993	CONN-PCB	FX8-120S-(	CNHR5FX8	N/A	N/A	N/A	P9	HRS	FX8-120S-(	NON-PREF	N/A	N/A	N/A	N/A	6000923	?	?
17	5	E007899	RES THICK	10K	R0603		1 N/A	1/16W	R1,R4,R7,R	MULTICOM	MC0603W	REL	N/A	N/A	N/A	N/A	7005853	?	?
18	3	E010316	RES CHIP SI	1.5K	R0603		0.1 12.247V	1/10W	R9,R10,R11	PANASONI	ERA-3AEB	REL	N/A	N/A	N/A	N/A	7005559	?	?
19	5	E004207	RES FILM S		0 R0603		1 N/A	1/16W	R12,R13,R1	MULTICOM	MC0603W	REL	A003-0032	N/A	772-227	N/A	N/A	?	?
20	1	E031054	RES THICK	12K	R1206		1 N/A	1/4W	R18	YAGEO	RC1206FR	REL	N/A	N/A	N/A	N/A	N/A	?	?
21	1	E004183	RES FILM S	39K	R0805		1 N/A	1/10W	R19	MULTICOM	MC 0.1W (	REL	N/A	41816JH37	912-049	N/A	7007445	?	?
22	2	E015180	RES THICK	1K	R0603		1 N/A	1/4W	R2,R3	VISHAY	CRCW0603	REL	N/A	N/A	N/A	N/A	7006446	?	?
23	1	E030290	RES THICK	62K	R0805		1 N/A	1/8W	R20	YAGEO	RC0805FR	REL	N/A	N/A	N/A	N/A	N/A	?	?
25	1	E014097	IC-ADI SPI 1	ADT7320U	QFN16_4X	N/A	N/A	?	U1	ADI	ADT7320U	REL	N/A	N/A	N/A	N/A	N/A	?	?
26	1	E013340	IC-ADI CMC	ADP151AL	TSOT-5	N/A	5.5V	?	U2	ADI	ADP151AL	REL	N/A	N/A	N/A	N/A	1003667	?	?
27	1	E013789	IC-ADI 16-E	ADT7420U	QFN16_4X	N/A	N/A	?	U3	ANALOG D	ADT7420U	REL	N/A	N/A	N/A	N/A	1004018	?	?
29	1	E014160	IC 32KBIT S	24LC32A-I	MSOP8	N/A	N/A	?	U5	MICROCHIP	24LC32A-I	REL	N/A	N/A	N/A	N/A	1000629	?	?
30	1	E018670	IC-ADI ULTI	ADM7160	TSOT-5	N/A	N/A	?	U6	ANALOG D	ADM7160	REL	N/A	N/A	N/A	N/A	N/A	?	?
31	1	E019208	DIODE SWI	BAS211LT1(	SOT23	N/A	250V	N/A	U7	ON SEMICC	BAS211LT1(	REL	N/A	N/A	N/A	N/A	7003755	?	?

Mechanical Parts

ITEM#	Qty	WW_PN	DESCRIPTIC	VALUE	JEDEC_TYP	TOL	VOLTAGE	WATTAGE	LOCATION	MFG	MFG_PN	HLM_STAT	STOCKROO	STOCKROO	STOCKROO	STOCKROO	STOCKROO	CUSTOM_F	DNI
2	2	M022276	SCREW, NY	?	N/A	?	?	?	?	DURATOOL	1.19E+08	REL	N/A	N/A	N/A	N/A	N/A	?	?
3	2	M022277	NUT, NYLO	?	N/A	?	?	?	?	DURATOOL	1140030	REL	N/A	N/A	N/A	N/A	N/A	?	?

The following components are part of the PCB or are NOT to be installed

ITEM#	Qty	WW_PN	DESCRIPTIC	VALUE	JEDEC_TYP	TOL	VOLTAGE	WATTAGE	LOCATION	MFG	MFG_PN	HLM_STAT	STOCKROO	STOCKROO	STOCKROO	STOCKROO	STOCKROO	CUSTOM_F	DNI
15	1	E024586	CONN-PCB	SSQ-103-0	CNSAMTEC	N/A	N/A	N/A	P8	SAMTEC IN	SSQ-103-0	REL	N/A	N/A	N/A	N/A	N/A	?	DNI
24	2	E007899	RES THICK	10K	R0603		1 N/A	1/16W	R5,R6	MULTICOM	MC0603W	REL	N/A	N/A	N/A	N/A	7005853	?	DNI
28	1	E026988	IC-ADI 2-TE	ADT5912C	DFN4_2X3	N/A	N/A	?	U4	ANALOG D	ADT5912C	RWC	N/A	N/A	N/A	N/A	N/A	?	DNI