

TITLE: Bill of Materials
 BOM NO: 05-033799-01 Rev F
 DATE: 8/8/2014 2:30:49 AM
 DESIGN: 20_033799f
 TEMPLATE: Z:\allegro\v165_site\cdssetup\template.bom
 CALLOUT: Unknown

ITEM#	Qty	DESCRIPTION	VALUE	JEDEC_TYPE	TOL	VOLTAGE	WATTAGE	LOCATION	MFG	MFG_PN	RoHS
1	1	PCB	08-033799e						Analog Devices	08-033799e	
2	6	CONN-PCB TST PNT RED, WWPN: E000947	RED	CNLOOPTP				+V,+V2,TP3,TP8,TP13,TP45	COMPONENTS	TP-104-01-02	Y
3	2	CAP CER NP0, WWPN: E000411	22PF	C0603	5	50V		C1,C2	PHYCOMP (YA)	CC0603JRN09BN220	Y
4	15	CAP CER, WWPN: E000340	.033UF	C0603	5	25V		C9_A-C12_A,C9_B-C12_B,C9_C-C12_C,C15_A,C15_B,C15_C	KEMET	C0603C33J3RACTU	Y
5	6	CAP MONOLITHIC CER X5R, WWPN: E010382	4.7uF	JedecType	10	6.3	0	C5A_A,C5A_B,C5A_C,C13A_A,C13A_B,C13A_C	MURATA	GRM188R60J475KE19	Y
6	12	CAP CER X7R 0402, WWPN: E007200	0.1UF	C0402_A	10	16V	-0	C2A_A,C2A_B,C2A_C,C4A_A,C4A_B,C4A_C,C6A_A,C6A_B,C6A_C,C14A_A,C14A_B,C14A_C	MURATA	GRM155R71C104KA88D	Y
7	4	CAP CHIP X7R 0805, WWPN: E010137	0.1uF	C0805H53	10	50V		C16,C31,C32,C34	MURATA	GRM21BR71H104KA01L	Y
8	1	CAP CER MONOLITHIC, WWPN: E006166	10UF	C0805H53	10	16V	0	C18	MURATA	GRM21BR61C106KE15L	Y
9	6	CAP CER X5R 0603, WWPN: E007143	10UF		20%	6.3V	NA	C1A_A,C1A_B,C1A_C,C3A_A,C3A_B,C3A_C	MURATA	GRM188R60J106ME47D	Y
10	1	CAP TANT CHIP, WWPN: E019398	470uF	C7343	10%	6.3V	-0	C33	VISHAY	293D477X96R3D2TE3	Y
11	1	CAP TANT, WWPN: E000711	47uF	C6032	10	16	0	C35	AVX	TAJC476K016R	Y
12	3	CONN-PCB TST PNT BLK, WWPN: E000948	BLK	CNLOOPTP				GND,DGND,DGND2	COMPONENTS	TP-104-01-00	Y
13	2	INDUCTOR MULTILAYER CHIP BEAD, WWPN: E019404	120OHM	L0805	-/+25%	N/A	0	E1,E2	FAIR-RITE	2508051217Z0	Y
14	15	INDUCTOR CHIP FERRITE BEAD, WWPN: E019402	150OHM	L1806	N/A	N/A	0	E1_A-E5_A,E1_B-E5_B,E1_C-E5_C	LAIRD	L1806C151R-10	Y
15	1	CONN HEADER 16POS .100 STR TIN, WWPN: E019403	67996-416HLF	CNHDR2X8H343	NA	-0	-0	P5	FCI	67996-416HLF	Y
16	1	CONN-PCB HEADER 16 PIN ST, WWPN: E010013	PPTC082LFBN-RC	CNSULLINSPPTC082LFBN				P6	SULLINS	PPTC082LFBN-RC	Y
17	1	CONN-PCB VERT TYPE RCPT SMD, WWPN: E010527	FX8-120S-SV(21)	CNHRSFX8-120S-SV				P8	HRS	FX8-120S-SV(21)	Y
18	18	RES FILM SMD 1206, WWPN: E004117	330K	R1206	2		1/4W	R1_A,R1_B,R1_C,R2_A,R2_B,R2_C,R5_A,R5_B,R5_C,R6_A,R6_B,R6_C,R10_A,R10_B,R10_C,R11_A,R11_B,R11_C	WELWYN	330K WCR 1206	Y
19	15	RES PREC THICK FILM CHIP R0603, WWPN: E003678	1K	R0603	1		1/10W	R12_A-R16_A,R12_B-R16_B,R12_C-R16_C	PANASONIC	ERJ-3EKF1001V	Y
20	15	RES FILM SMD 0603, WWPN: E004207	0	R0603	1		1/16W	R2,R17,R31-R40,R22_A,R22_B,R22_C	MULTICOMP	MC0603WG00000T5E-TC	Y
21	15	RES FILM SMD 0603, WWPN: E006826	0	R0603	5		1/10W	R8_A,R8_B,R8_C,R9_A,R9_B,R9_C,R19_A-R21_A,R19_B-R21_B,R19_C-R21_C	PANASONIC	ERJ-3GEY0R00V	Y
22	4	RES FILM SMD 0805, WWPN: E003805	100K	R0805	0.1		1/10W	R46,R48,R50,R52	PANASONIC	ERA-6YEB104V	Y
23	3	RES FILM SMD 0805, WWPN: E004152	0	R0805	1		1/10W	R7_A,R7_B,R7_C	MULTICOMP	MC 0.1W 0805 0R.	Y
24	1	RES PREC THICK FILM CHIP R0805, WWPN: E003254	10K	R0805	1		1/8W	R9	PANASONIC	ERJ-6ENF1002V	Y
25	3	CONN-PCB TST PNT GRN, WWPN: E000952	GRN	CNLOOPTP				TP1,TP6,TP11	COMPONENTS	TP104-01-05	Y
26	3	CONN-PCB TST PNT VIOLET, WWPN: E000954	VIOLET	CNLOOPTP				TP5,TP10,TP15	COMPONENTS	TP104-01-07	Y
27	3	CONN-PCB TST PNT WHT, WWPN: E000946	WHT	CNLOOPTP				TP2,TP7,TP12	COMPONENTS	TP-104-01-09	Y
28	3	CONN-PCB TST PNT BLU, WWPN: E000953	BLU	CNLOOPTP				TP4,TP9,TP14	COMPONENTS	TP104-01-06	Y
29	3	IC-ADI ISOLATED SIGMA DELTA ADC WITH SPI PRELIM, WWPN: E015502	ADE7913	SO20WBH104	NA	-0	-0	U1_A,U1_B,U1_C	ADI	ADE7913	Y
30	1	IC 32KBIT I2C SERIAL EEPROM, WWPN: E014159	24LC32A-I/MC	DFN8_2X3_PAD1_45X1_75	NA	2.5V TO 5.5V	-0	U9	MICROCHIP	24LC32A-I/MC	Y
31	1	800mA LOW-DROPOUT LINEAR REGULATOR, WWPN: E007641	LM1117MP-3.3/NOPB	SOT223		3.3V		VR3	NATIONAL	LM1117MP-3.3/NOPB	Y
32	1	IC CRYSTAL QUARTZ, WWPN: E016064	4.096MEGhz	HC49US	-0	-0	0	Y1	ECS	ECS-41-20-4X	Y
TOTAL	167										

Callouts file: Unknown
 Mechanical Parts
 ITEM# Qty DESCRIPTION VALUE JEDEC_TYPE TOL VOLTAGE WATTAGE LOCATION MFG MFG_PN RoHS
 TOTAL 0

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

ITEM#	Qty	DESCRIPTION	VALUE	JEDEC_TYPE	TOL	VOLTAGE	WATTAGE	LOCATION	MFG	MFG_PN	RoHS
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33	1	BATTERY LITHIUM, WWPN: E001338	1/2 AA	BT-TL-5101P		3.6V		BT1	TADIRAN	TL-5101P	Y
34	17	CAP CHIP X7R 0805, WWPN: E010137	0.1uF	C0805H53	10	50V		C3-C7,C10,C11,C15,C17,C20,C21,C23-C25,C28-C30	MURATA	GRM21BR71H104KA01L	Y
35	2	CAP TANT CHIP, WWPN: E000636	470UF	C7343	10	6.3V		C12,C13	KEMET	T510X477K006AS	N
36	2	CAP CER MONOLITHIC, WWPN: E006166	10UF	C0805H53	10	16V	0	C14,C19	MURATA	GRM21BR61C106KE15L	Y
37	1	CAP TANT DIPPED, WWPN: E000617	15UF	CPLRAD100D177H335L D20	10	10V		C22	PANASONIC	ECS-F1AE156K	N
38	2	CAP CER X7R, WWPN: E000463	0.47UF	C0805	10	16V		C26,C27	AVX	CM21X7R474K16AT	Y
39	6	CAP CER, WWPN: E000340	.033UF	C0603	5	25V		C7_A,C7_B,C7_C,C8_A,C8_B,C8_C	KEMET	C0603C333J3RACTU	Y
40	2	CAP TANT, WWPN: E000711	47uF	C6032	10	16	0	C8,C9	AVX	TAJ476K016R	Y
41	1	DIODE TRANSIENT VOLT SUPPRESSION, WWPN: E006913	SMA6J5.0A-TR	DIO214AC	N/A	5V		CR1	STMICROELECTRONICS	SMA6J5.0A-TR	Y
42	4	DIODE RECT PASSIVATED, WWPN: E014374	DL4001-TP	DL41-2	0	50V	0	D1-D4	MCC	DL4001-TP	Y
43	30	DIODE HIGH SPEED SWITCHING, WWPN: E015709	TS4148 RZ	D0603H33	10	100V	0.15	D1_A-D10_A,D1_B-D10_B,D1_C-D10_C	TAIWAN SEMICONDUCTOR	TS4148 RZ	Y
44	3	LED RED SURFACE MOUNT, WWPN: E006278	LNJ208R8ARA (red)	LED0603	N/A	2.5V		DS1-DS3	PANASONIC	LNJ208R8ARA	Y
45	1	CONN-PCB BERG HDR ST MALE 20P, WWPN: E000753	TSW-110-08-G-D	N/A	-0	-0	-0	P1	SAMTEC	TSW-110-08-G-D	Y
46	1	CONN-PCB BERG HDR ST MALE 4P, WWPN: E000828	TSW-104-08-G-S	CNBERG1X4H205LD36	-0	-0	-0	P2	SAMTEC	TSW-104-08-G-S	Y
47	1	CONN-PCB BERG HDR ST MALE 12P, WWPN: E000735	TSW-106-08-G-D	CNBERG2X6H330LD36				P3	SAMTEC	TSW-106-08-G-D	Y
48	1	DUPLICATE, PLEASE USE E005626 FOR NEW DESIGN, WWPN: E000811	MOLEX22-03-2031	CNMOLEX22-03-2031	NA	-0	-0	P4	MOLEX	22-03-2031	Y
49	1	CONN-PCB D-SUB RA 25P MALE, WWPN: E000782	LEODB25PLURL2	CNLEODB25PLURL2				P7	LEO	DB25PLURL2	N
50	1	CONN-PCB HEADER DUAL ROW 16PIN, WWPN: E005317	104352-8		N/A	0		add as appropriate P9	AMP	104352-8	N
51	3	TRANS DIGITAL FET N CHAN, WWPN: E004642	FDV301N	SOT23				Q1-Q3	FAIRCHILD	FDV301N	Y
52	3	RES PREC THICK FILM CHIP R0805, WWPN: E003558	80.6	R0805	1		1/8W	R1,R4,R5	PANASONIC	ERJ-6ENF80R6V	Y
53	14	RES PREC THICK FILM CHIP R0805, WWPN: E003254	10K	R0805	1		1/8W	R10,R15,R18,R19,R25-R30,R41-R43,R45	PANASONIC	ERJ-6ENF1002V	Y
54	2	RES PREC THICK FILM CHIP R0805, WWPN: E003553	2K	R0805	1		1/8W	R11,R14	PANASONIC	ERJ-6ENF2001V	Y
55	1	RES CHIP JUMPER R1206, WWPN: E010093	0	R1206	5	200V	1/4W	R12	VISHAY	CRCW12060000Z0EA	Y
56	5	RES PREC THICK FILM CHIP R0805, WWPN: E003415	1K	R0805	1		1/8W	R6-R8,R13,R16	PANASONIC	ERJ-6ENF1001V	Y
57	3	RES PREC THICK FILM CHIP, WWPN: E010279	100K	R0603	1	50V	1/10W	R20-R22	PANASONIC	ERJ-3EKF1003V	Y
58	2	RES PREC THICK FILM CHIP R0603, WWPN: E003678	1K	R0603	1		1/10W	R23,R24	PANASONIC	ERJ-3EKF1001V	Y
59	1	RES FILM SMD 0603, WWPN: E004207	0	R0603	1		1/16W	R3	MULTICOMP	MC0603WG00000T5E-TC	Y
60	6	RES PREC THICK FILM CHIP 0603, WWPN: E010181	51	JedecType	1	0	0.1	R3_A,R3_B,R3_C,R4_A,R4_B,R4_C	PANASONIC	ERJ-3EKF51R0V	Y
61	1	RES FILM SMD 0603, WWPN: E006826	0	R0603	5		1/10W	R44	PANASONIC	ERJ-3GEY0R00V	Y
62	3	RES THICK FILM CHIP, WWPN: E004449	0	R0805	N/A		1/8W	R47,R49,R51	PANASONIC	ERJ-6GEY0R00V	Y
63	2	SW SM MECHANICAL KEYSWITCH, WWPN: E004572	B3S1000	SWB3S1000				S1,S2	OMRON	B3S1000	Y
64	24	CONN-PCB PIN VECTOR, WWPN: E000944	K24A	CNLOOPTP_D45				TP16,TP28-TP44,TP46-TP51	VECTOR	K24A	Y
65	9	CONN-PCB TST PNT WHT, WWPN: E000946	WHT	CNLOOPTP				TP18-TP24,TP26,TP27	COMPONENTS	TP-104-01-09	Y
66	1	CONN-PCB TST PNT ORG, WWPN: E000949	ORG	CNLOOPTP				TP25	COMPONENTS	TP-105-40-03	Y
67	5	OPTOCOUPLER PHOTOTRANS OUT, LOW INPUT CURRENT, WWPN: E006942	SFH6186-3T					U1-U5	VISHAY	SFH6186-3T	Y
68	1	IC HALF DUPLEX TX RX, WWPN: E008076	ADM487EARZ	SO8		5V		U6	ADI	ADM487EARZ	Y
69	1	IC EEPROM 2 WIRE SERIAL, WWPN: E015478	AT24C64D-SSHMT	SO8	NA	-0	-0	U7	ATMEL	AT24C64D-SSHMT	Y
70	1	IC-ADI PREC ANALOG MICROCNTLR 12-bit ANALOG I/O, ARM7TDMI MCU, WWPN: E005304	ADUC7026BSTZ	QFP80-8	n/a	3v		add as appropriate U8	ADI	ADUC7026BSTZ	Y

71	2	800mA LOW-DROPOUT LINEAR REGULATOR, WWPN: E007641	LM1117MP-3.3/NOPB	SOT223	3.3V	VR1,VR2	NATIONAL	LM1117MP-3.3/NOPB	Y
72	1	IC CRYSTAL, WWPN: E001045	32.768KHz	ECS-3X8		Y2	ECS	ECS-3X8	N
TOTAL	168								