

Bill of Materials

TI DESIGNS

TIDA-00479

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	10	LD11,RCOUT1/2_ENABLE D,TRIGGER_ARMED,OVER- R-RANGE_Q-CH,OVER- RANGE_I- CH,FPGA_OPERATIONAL, ECM_ENABLED,DCLK_LO CKED,ADC_POWER,ADC _CALIBRATION	GREEN	LED 565NM WTR CLR GREEN 1206 SMD	Lumex	SML-LX1206GC-TR	-	r1206	
2	1	C1_LF	680pF	CAP CER 680PF 50V 5% C0G	TDK	C1005C0G1H681J050B	-	R0402_NO_SS	
3	68	C1,C2,C3,C4,C5,C6,C7,C1 8,C19,C20,C21,C22,C23,C 24,C26,C27,C28,C29,C30, C34,C35,C36,C37,C38,C39 ,C40,C41,C47,C48,C52,C5 4,C55,C56,C57,C58,C59,C 60,C61,C62,C66,C68,C72, C73,C79,C201,C235,C238, C249,C250,C251,C252,C25 4,C255,C256,C257,C258,C 259,C261,C262,C263,C264 ,C265,C268,C325,C326,C3 27,C362,C363	100n	CAP CER 0.1UF 10V 10% X5R 0402	AVX Corporation	0402ZD104KAT2A	-	c0402	
4	1	C2_LF	0.033uF	CAP CER 0.033UF 16V 5% X7R 0402	Kemet	C0402C333J4RACTU	-	c0603	
5	6	C25,C46,C49,C260,C364,C 365	100n	CAP CER 0.1UF 10V 10% X5R 0402	AVX Corporation	0402ZD104KAT2A	-	c0402_no_ss	
6	1	C63	0.001uF	CAP CER 1000PF 50V 5% NP0	Murata	GRM1885C1H102JA01D	-	c0603	
7	1	C64	2.2uF	CAP TANT 2.2UF 10V 10% 1206	Kemet	T491A225K010AT	-	c3216	
8	4	C65,C202,C245,C246	10n	CAP CER 10000PF 25V 10% X7R	TDK Corporation	C1005X7R1E103K	-	c0402	
9	11	C67,C74,C78,C136,C162,C	100n	CAP CER 0.1UF 16V 10% X7R	TDK Corporation	C1608X7R1C104K	-	c0603	
10	1	C69	4.7n	CAP CER 4700PF 50V 10% X7R 1206	Kemet	C1206C472K5RACTU	-	c1206	
11	2	C70,C71	12pF	CAP CER 12PF 50V 5% NP0	Kemet	C1206C120J5GACTU	-	c1206	
12	4	C75,C76,C77,C206	100p	CAP CER 100PF 50V 5% NP0	Kemet	C0402C101J5GACTU	-	c0402	

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13	58	C80,C82,C84,C86,C88,C89,C90,C91,C92,C94,C95,C96,C99,C100,C101,C102,C103,C104,C105,C108,C109,C110,C111,C114,C115,C116,C117,C118,C120,C121,C122,C123,C124,C128,C129,C130,C131,C132,C134,C135,C277,C278,C279,C280,C281,C282,C286,C291,C299,C300,C301,C302,C303,C304,C305,C306,C307,C308	10n	CAP CER 10000PF 25V 10% X7R 0402	TDK Corporation	C1005X7R1E103K	-	c0402_no_ss	
14	30	C81,C83,C85,C87,C93,C97,C98,C106,C107,C119,C125,C126,C253,C271,C273,C283,C284,C285,C292,C295,C297,C309,C310,C311,C312,C313,C314,C315,C316,C317	100n	CAP CER 0.1UF 10V 10% X5R 0402	Panasonic	ECJ-0EB1A104K	-	c0402_no_ss	
15	6	C137,C139,C140,C149,C155,C156	100n	CAP CER 0.1UF 16V 10% X7R 0603	Panasonic	ECJ-1VB1C104K	-	c0603	
16	4	C138,C144,C145,C153	100pF	CAP CER 100PF 50V 5% NP0 0603	Panasonic	ECJ-1VC1H101J	-	c0603	
17	2	C142,C147	0.47uF	CAP CER 0.47UF 16V 10% X7R 0603	Kemet	C0603C474K4RACTU	-	c0603	
18	1	C143	10n	CAP CER 10000PF 16V 10% X7R 0603	Panasonic	ECJ-1VB1C103K	-	c0603	
19	1	C154	4.7uF	CAP CER 100PF 50V 5% NP0 0603	Panasonic	ECJ-1VC1H101J	-	c0603	
20	1	C157	100uF	CAP ALUM 100UF 25V 20% SMD	United Chemi-Con	EMVY250ADA101MF80G	-	c6p6mmx6p6mm	
21	3	C158,C159,C270	4.7uF	CAP CER 4.7UF 25V 10% X7R 1210	Taiyo Yuden	TMK325B7475KN-T	-	c1210	
22	5	C160,C180,C192,C207,C228	10u	CAP CER 10UF 25V 20% X5R 0805	TDK	C2012X5R1E106M	-	c0805	
23	1	C161	0.22uF	CAP CER 0.22UF 25V 20% X5R 0402	TDK Corporation	C1005X5R1E224M	-	c0402	
24	25	C164,C165,C167,C170,C171	0.1u	CAP CER 0.1UF 10V 10% X5R	Panasonic	ECJ-0EB1A104K	-	c0402	
25	19	C168,C169,C182,C198,C209,C211,C213,C215,C217,C221,C223,C225,C230,C232,C239,C241,C242,C243,C248	10u	CAP CER 10UF 6.3V 20% X5R 0805	TDK	C2012X5R0J106M/1.25	-	c0805	
26	2	C177,C191	1u	CAP CER 1UF 6.3V 10% X5R	Kemet	C0402C105K9PACTU	-	c0402	
27	2	C178,C179	27nF	CAP CER 0.027UF 10V 10% X7R 0402	AVX Corporation	0402ZC273KAT2A	-	c0402	
28	4	C181,C193,C208,C229	0.1u	CAP CER 0.1UF 25V 10% X5R 0402	Taiyo Yuden	TMK105BJ104KV-F	-	c0402	
29	7	C186,C205,C218,C220,C227,C234,C266	0.01u	CAP CER 10000PF 16V 10% X7R 0402	Kemet	C0402C103K4RACTU	-	c0402	

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30	1	C187	10uF	CAP CER 10UF 25V 20% X5R 1812	TDK Corporation	C4532X5R1E106M	-	1812	
31	1	C189	0.1u	CAP CER 0.1UF 10V 10% X5R 0402	Panasonic	ECJ-0EB1A104K	-	c0402	
32	1	C190	1uF	CAP CER 1UF 10V 10% X5R 0603	Kemet	C0603C105K8PACTU	-	C0603	
33	1	C194	270u	CAP ALUM 270UF 10V 20% SMD	United Chemi-Con	APXA100ARA271MJ80G	-	c10p3mmx10p3mm	
34	1	C236	2.2n	CAP CER 2200PF 25V 10% X7R 0402	Kemet	C0402C222K3RACTU	-	c0402	
35	1	C237	1u	CAP CER 1UF 10V 10% X5R 0805	TDK	C2012X5R1A105K/0.85	-	c0805	
36	1	C240	1uF	CAP CER 1UF 16V 10% X5R 0603	Panasonic	ECJ-1VB1C105K	-	c0603	
37	1	C247	1800pF	CAP CER 1800PF 50V 10% X7R 0603	AVX Corporation	06035C182KAT2A	-	c0603	
38	1	C269	0.1uF	CAP CER 0.1UF 25V 10% X7R 0805	Kemet	C0805C104K3RACTU	-	c0805	
39	8	C272,C274,C275,C287,C288,C293,C296,C324	1u	CAP CER 1UF 6.3V 10% X5R 0402	Kemet	C0402C105K9PACTU	-	c0402_no_ss	
40	4	C276,C290,C294,C322	470u	CAP TANT 470UF 4V 10% 2312	AVX Corporation	TAJCA477K004RNJ	-	cap_c-case	
41	1	C321	100p	CAP CER 0.1UF 10V 10% X5R 0402	AVX Corporation	0402ZD104KAT2A	-	R0402_NO_SS	
42	0	C323	NA	-	-	-	-	c0603	DNI
43	2	C341,C342	4.7n	CAP CER 4700PF 25V 10% X7R 0402	Kemet	C0402C472K3RACTU	-	c0402_no_ss	
43a	1	C343	10p	CAP CER 10PF 50V 2% NP0 0402	Murata	GRM1555C1H100GA01D	-	c0402_no_ss	
44	0	RCOUT1-,RCOUT1+,RCLK-,RCLK+,DCLKQ-,DCLKQ+	SMA_CONN_2	CONN SMA JACK STR 50OHM SMD	Linx Technologies Inc	CONSMSA001-SMD-G	-	SMA_V_CLR	DNI
45	2	D1,D5	DIODE SCHOTTKY	DIODE SCHOTTKY 40V 500MA SOD123	Micro Commercial Co	MBR0540	-	SOD_123_21	
46	3	D2,D3,D4	DIODE SCHOTTKY	DIODE SCHOTTKY 20V 4A SMC	On Semiconductor	MBRS320T3G	-	DO214_AB	
47	1	FMC	ASP-134488-01_0	CONN, VITA 57 FMC, HEADER, 400POS, 10ROW	Samtec Inc	ASP-134488-01	-	conn_SEAM_040	
48	7	MT1,FMC1,MT2,FMC2,MT3,MT4,MT5	TP	-	-	-	-	VIA85D55	
49	5	H2,H3,H4,H5,H6	Rubber Feet	BUMPER CYLINDRICAL 0.63" DIA BLK	3M	SJ-5027 (BLACK)	-		
50	1	J2	USB-B	CONN RECEPT USB TYPE B PCB	Mill-Max	897-43-004-90-000000	-	usb-jack-b	
51	1	J4	HEADER 10x3	CONN HEADR 30POS TRPL VERT GOLD	TE Connectivity	5-103817-8	-	blkcon_10x3	
52	4	J5,J155,J156,J157	HEADER 2	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	BLKCON_2X1	
53	1	J6	CONN 6 PIN SINGLE ROW	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	SHDR6X1	

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54	7	J7,J8,J9,J10,J19,J26,J163	sma-3	CONN SMA JACK 50 OHM EDGE MNT	Emerson Network Power Connectivity Solutions	142-0701-851	-	RF_SMA_END_LAUNCH	
55	1	J12	CONN PWR JACK	CONN PWR JACK 2.1X5.5MM HIGH CUR	CUI Inc	PJ-102AH	-	JACK_POWER	
56	1	J13	HEADER 3	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	blkcon_3x1	
57	1	J14	JUMPER2	CONN HEADER .100 DUAL STR 72POS	Sullins Connector Solutions	PEC36DAAN	-	blkcon_3x2	
58	4	J15,J17,J18,J44	CONN 10 PIN	CONN HEADER .100 DUAL STR 72POS	Sullins Connector Solutions	PEC36DAAN	-	th_10_hdr2x5_mstr_100	
59	0	J20	JUMPER 2X1	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	th_2_hdr1x2_mstr_100	DNI
60	2	J21,J22	JUMPER1	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	blkcon_2x1	
61	1	J23	JUMPER5	CONN HEADER .100 DUAL STR 72POS	Sullins Connector Solutions	PEC36DAAN	-	blkcon_5x2	SHUNT 1-2, 3-4, 5-6, 7-8, 9-10
62	1	J25	HEADER 3X2	CONN HEADER .100 DUAL STR 72POS	Sullins Connector Solutions	PEC36DAAN	-	blkcon_3x2	
63	0	J27,J28,J29,J30,J31,J32	DNI	CONN SMA JACK 50 OHM EDGE MNT	Emerson Network Power Connectivity Solutions	142-0701-851	-	RF_SMA_END_LAUNCH	DNI
64	0	J34,J35,J36,J37,J38,J39,J40,J41,J42,J43	jumper/sm/small	-	-	-	-	sm_jumper	DNI
65	5	J158,J159,J160,J161,J162	JUMPER1	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	blkcon_2x1	
66	21	J4_2_3,J4_5_6,J4_8_9,J14_1_2,J14_3_4,J14_5_6,J21_1_2,J22_1_2,J23_1_2,J23_3_4,J23_5_6,J23_7_8,J156_1_2,J157_1_2,J158_1_2,J159_1_2,J160_1_2,J161_1_2,J162_1_2,J23_9_10,J4_20_21	SHUNT	SHUNT,ECON,PHBR 15AU,BLACK L/P	TE Connectivity	382811-6	-		
67	1	LD10	RED	LED 635NM RED WTR CLR 1206 SMD	Lumex Opto/Components Inc	SML-LX1206IC-TR	-	r1206	
68	1	L1	100MHz CHOKE	FERRITE CHIP 120 OHM 3500MA 1206	Murata Electronics North America	BLM31PG121SN1L	-	r1206	
69	1	L2	INDUCTOR FERRITE/SM	FILTER CHIP 120 OHM 3A 0603	Murata Electronics North America	BLM18SG121TN1D	-	r0603	
70	2	L3,L13	INDUCTOR FERRITE/SM	FILTER CHIP 330 OHM 1.5A 0603	Murata Electronics North America	BLM18SG331TN1D	-	r0603	
71	1	L4	INDUCTOR FERRITE/SM	FILTER CHIP 26 OHM 6A 0603	Murata Electronics North America	BLM18SG260TN1D	-	r0603	
72	4	L5,L6,L7,L10	10uH	SMT POWER INDUCTOR	Coilcraft	MSS1246-103ML	-	EIA_481	
73	2	L8,L14	INDUCTOR FERRITE/SM	FILTER CHIP 26 OHM 6A 0603	Murata Electronics North America	BLM18SG260TN1	-	r0603	
74	1	L9	CM CHOKE	CHOKE COMMON MODE 170 OHMS PCB	Laird-Signal Integrity Products	CM2545X171B-10	-	choke_cm2545-b	

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75	2	L11,L12	INDUCTOR FERRITE/SM	FILTER CHIP 330 OHM 1.5A 0603	Murata Electronics North America	BLM18SG331TN1	-	r0603	
76	1	R2_LF	820	ERJ-2RKF8200X	Panasonic	ERJ-2RKF8200X	-	R0402_NO_SS	
77	15	R2,R3,R4,R5,R6,R8,R9,R1 3,R14,R16,R17,R25,R69,R 127,R128	49.9	RES SMD 49.9 OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF49R9V	-	r0603	
78	2	R7,R12	3.3k	RES SMD 3.3K OHM 0.1% 1/10W 0603	Panasonic	ERA-3YEB332V	-	r0603	
79	2	R15,R34	4.7K	RES SMD 4.7K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ472V	-	r0603	
80	1	R18	47K	RES SMD 47K OHM 1% 1/4W 1206	Panasonic	ERJ-8ENF4702V	-	r1206	
81	2	R19,R21	2.2K	RES SMD 2.2K OHM 5% 1/4W 1206	Panasonic	ERJ-8GEYJ222V	-	r1206	
82	1	R20	0	RES SMD 0.0 OHM JUMPER 1/10W	Panasonic	ERJ-3GEY0R00V	-	0603_TRIPAD_2 to_3	
83	5	R22,R31,R43,R65,R126	0	RES SMD 0.0 OHM JUMPER 1/10W	Panasonic	ERJ-3GEY0R00V	-	r0603	
84	20	R23,R26,R27,R28,R32,R33 ,R35,R36,R37,R44,R45,R4 6,R59,R86,R87,R104,R113, R114,R155,R156	10k	RES SMD 10K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ103V	-	r0603	
85	1	R24	1M	RES SMD 1M OHM 5% 1/4W 1206	Panasonic	ERJ-8GEYJ105V	-	r1206	
86	11	R29,R47,R48,R49,R50,R51 ,R52,R54,R55,R115,R142	330	RES SMD 330 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ331V	-	r0603	
87	4	R30,R39,R41,R42	100	RES SMD 100 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ101V	-	r0603	
88	1	R38	0	RES SMD 0.0 OHM JUMPER 1/10W	Panasonic	ERJ-3GEY0R00V	-	0603_TRIPAD_1 to_2	
89	1	R40	10K	RES SMD 10K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ103V	-	0603_TRIPAD_1 to_2	
90	5	R53,R129,R131,R134,R136	33	RES SMD 33 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ330V	-	r0603	
91	5	R58,R93,R111,R117,R124	1k	RES SMD 1K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ102V	-	r0603	
92	1	R66	33	RES SMD 18 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ180V	-	r0603	
93	1	R67	150	RES SMD 680 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ681V	-	r0603	
94	1	R68	150	RES SMD 270 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ271V	-	r0603	
95	2	R70,R71	0	RES SMD 10K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ103V	-	r0603	
96	0	R73	DNI	-	-	-	-	R0402_NO_SS	DNI
97	1	R78	3.3	RES SMD 18 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ180V	-	r0603	
98	0	R81,R84,R105,R133	DNI	-	-	-	-	r0603	DNI
99	1	R82	10	RES SMD 10 OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ100V	-	r0603	

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100	0	R83	DNI	-	-	-	-	0603_TRIPAD	DNI
101	1	R85	3.3K	RES SMD 3.3K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ332V	-	r0603	
102	1	R88	26.7k	RES SMD 26.7K OHM 1% 1/20W 0201	Panasonic	ERJ-1GEF2672C	-	r0603	
103	2	R89,R90	5.9k	RES SMD 5.9K OHM 0.5% 1/10W 0603	Yageo	RT0603DRD075K9L	-	r0603	
104	1	R91	18.7k	RES SMD 18.7K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF1872V	-	r0603	
105	1	R92	205k	RES SMD 205K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF2053V	-	r0603	
106	1	R94	15k	RES SMD 15K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ153V	-	r0603	
107	1	R95	30k	RES SMD 30K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ303V	-	r0603	
108	2	R96,R110	5.1k	RES SMD 5.1K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ512V	-	r0603	
109	1	R97	2.2k	RES SMD 2.2K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ222V	-	r0603	
110	1	R98	1.8k	RES SMD 1.8K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ182V	-	r0603	
111	1	R99	1.2K	RES SMD 1.2K OHM 5% 1/4W 1206	Panasonic	ERJ-8GEYJ122V	-	r1206	
112	1	R103	47.5k	RES SMD 47.5K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF4752V	-	r0603	
113	1	R106	9.53K	RES SMD 9.53K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF9531V	-	r0603	
114	1	R107	10K	RES SMD 10K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF1002V	-	r0603	
115	1	R108	20k	RES SMD 20K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF2002V	-	r0603	
116	1	R109	1.3k	RES SMD 1.3K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ132V	-	r0603	
117	2	R112,R118	2.4k	RES SMD 2.4K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ242V	-	r0603	
118	3	R120,R121,R122	22k	RES SMD 22K OHM 5% 1/10W 0603	Panasonic	ERJ-3GEYJ223V	-	r0603	
119	1	R125	2k	RES SMD 2.37K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF2371V	-	r0603	
120	4	R130,R132,R135,R137	95.3	RES SMD 95.3 OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF95R3V	-	r0603	
121	0	R145,R147	DNI	-	-	-	-	r0402_no_ss	DNI
122	1	R149	2.37K	RES SMD 2.37K OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF2371V	-	r0603	
123	1	R150	806	RES SMD 806 OHM 1% 1/10W 0603	Panasonic	ERJ-3EKF8060V	-	r0603	
124	4	R159,R160,R161,R162	0	RES SMD 0.0 OHM JUMPER 1/16W 0402	Panasonic	CRCW04020000Z0ED	-	0402_TRIPAD_1 to_2	
125	1	R180	0	RES SMD 0.0 OHM JUMPER 1/16W	Panasonic	CRCW04020000Z0ED	-	0402_TRIPAD_2 to_3	

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126	1	R195	0	RES SMD 18 OHM 5% 1/10W 0402	Panasonic	ERJ-2GEJ180X	-	R0402_NO_SS	18 ohm on old BOM
127	0	R196,R197	DNP	RES SMD 330 OHM 5% 1/10W 0402	Panasonic	ERJ-2GEJ331X	-	R0402_NO_SS	DNI
128	8	R203,R206,R209,R212,R215,R218,R221,R224	100	RES SMD 100 OHM 1% 1/10W 0402	Panasonic	ERJ-2RKF1000X	-	r0402_no_ss	
129	16	R204,R205,R207,R208,R210,R211,R213,R214,R216,R217,R219,R220,R222,R223,R225,R226	1000	RES SMD 1K OHM 1% 1/10W 0402	Panasonic	ERJ-2RKF1001X	-	r0402_no_ss	
130	1	SW1	RESET	SWITCH TACTILE SPST-NO 0.05A 12V	ITT Industries/C&K Div	PTS635SL50	-	sw_2p_6x3p5	
131	1	SW2	ROCKER	SWITCH ROCKER SPDT 5A 120V	ITT Industries/C&K Div	7101J1AQE2	-	SW_TH_RA_7101	
132	0	TP1	TP_VBG	-	-	-	-	tp_smd_s35x28	DNI
133	0	TP2	TP_CY_CLK	-	-	-	-	tp_smd_s35x28	DNI
134	0	TP3	TP_DCLK_RST_N	-	-	-	-	tp_smd_s35x28	DNI
135	0	TP4	TP_DCLK_RST_P	-	-	-	-	tp_smd_s35x28	DNI
136	6	TP6,TP7,TP8,TP9,TP10,TP11	TP	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	tp40	
136a	1	TP5	HEADER 1X1	CONN HEADER .100 SINGL STR 36POS	Sullins Connector Solutions	PEC36SAAN	-	tp40	Single pin square post header; shunt to pin 9 of J15
137	0	TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP24	TP	-	-	-	-	tp40	DNI
138	1	T2	B0430J50100AHF	Balun, Signal Conditioning 400-3000MHz 50/100 Ohm IL=4.0dB	Anaren	B0430J50100AHF	-	soic6_026_wg049_L079	
139	1	U1	ADC1xDxxxRFIUT/NOPB	IC ADC 12BIT SRL 3.2G 2CH 292BGA	Texas Instruments	ADC12D1600RFIUT/NOPB	-	SOCKET_BGA_05_292_B025	
140	1	U2	Cypress CY7C68013A-128AXC	IC MCU USB PERIPH HI SPD 128LQFP	Cypress	CY7C68013A-128AXC	-	128tqfp	
141	1	U3	LM3724	IC MPU SUPERVISR 3.08V SOT23-5	Texas Instruments	LM3724IM5-3.08/NOPB	-	SOT23-stx	
142	1	U4	24C02	IC EEPROM 2KBIT 1MHZ 8SOIC	Atmel	AT24C02C-SSHM	-	soic8	
143	1	U5	XC4VLX25-11FFG668	IC FPGA 448 I/O 668FCBGA	Xilinx	XC4VLX25-11FFG668	-	bga_668_27x27_1p0	
144	0	U6,U7	NA	-	-	-	-	sm_7pin_ftr	DNI
145	1	U8	LM95233	IC TEMP SNSR DUAL REMOTE 14WSON	Texas Instruments	LM95233CISD/NOPB	-	LLP14_p5mm_4x4_ep	
146	1	U12	LMX2531LQ1xxxE	IC PLL FREQ SYNTH W/VCO 36-LLP	Texas Instruments	LMX2531LQ1570E	-	LLP39_p5mm_6X6	
147	1	U13	LM26400	IC REG BUCK ADJ 2A DL 16HTSSOP	Texas Instruments	LM26400YMH/NOPB	-	TSSOP16_65M_WG6P4_L5	
148	0	U14	XCF08P_VO48	Flash In-System Programmable Configuration PROMs	Xilinx	XCF08P VO48 C	-	TSSOP48_50M_WG20_L12	DNI

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
149	5	U15,U18,U19,U20,U22	LP3878SD	IC REG LDO ADJ 0.8A 8SOPWRPAD	Texas Instruments	LP3878MR-ADJ/NOPB	-	SOIC8_050_WG 244_L200_EP	
150	1	U16	LM25576	IC REG BUCK ADJ 3A 20TSSOP	Texas Instruments	LM25576MHX/NOPB	-	TSSOP20_65M_ WG6P4_L6P5_ EP	
151	1	U17	LP38513-ADJ	IC REG LDO ADJ 3A 5PFM	Texas Instruments	LP38513TJ-ADJ/NOPB	-	SC-MKT-TJ5A	
152	1	U21	LM3880	IC PWR SUPPLY SEQUENCER SOT23-6	Texas Instruments	LM3880MF-1AB/NOPB	-	SOT_23_6	
153	1	U23	LM20242	IC REG BUCK SYNC ADJ 2A 20- TSSOP	Texas Instruments	LM20242MH/NOPB	-	TSSOP20_65M_ WG6P4_L6P5_ EP	
154	2	U24,U25	MC100EP16	IC RCVR/DRVR ECL DIFF 5V 8TSSOP	On Semiconductor	MC100EP16DTG	-	TSSOP8_65M_ WG4P9_L3	
155	1	U29	LP2992IM5-5.0	IC REG LDO 5V 0.25A SOT23-5	Texas Instruments	LP2992IM5-5.0/NOPB	-	SC-MKT-MF05A	
156	1	Y1	XTAL 24MHz	CRYSTAL 24MHZ 12PF THRU	ECS Inc.	ECS-240-12-4X	-	hc49us	
157	1	Y2	OSC 100MHz	CMOS 5X7 OSC 50PPM 3.3V	Pletronics	SM7745DSV-100.00M	-	osc_100m_5x7	
158	1	Y3	CLK_OSC 50MHz	CRYSTAL OSCILLATOR, CLOCK, 50 MHz, CMOS OUTPUT	Pletronics	SM7744HV-50.0M	-	osc_100m_5x7	

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