

Bill of Materials

TI DESIGNS
TIDC-HYBRID-WMBUS-PLC

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	3	C1 C4 C5	0.1UF	Capacitor,0.1UF,16 V,10	AVX	0603YC104KAT*A		C0603	SOMPLC-F28PLC84
2	2	C2 C3	3n3F	Cap Ceramic SMT 0402				C0402	SOMPLC-F28PLC84
3	2	C6 C7	15pf	CAP CER 15PF 50V 5% COG 0402	MURATA	GRM1555C1H150JZ01D		C0402	SOMPLC-F28PLC84
4	1	C8	3n3F	CAP .0033UF 50V PPS FILM 1206	PANASONIC	ECH-U1H332JX5		C1206	SOMPLC-F28PLC84
5	1	C9	10nF	Cap Ceramic SMT 0402				C0402	SOMPLC-F28PLC84
6	2	C10 C11	680pf	CAP 680PF 50V CERAMIC X7R 0805	yageo	CC0805KRX7R9BB681		C0805	SOMPLC-F28PLC84
7	5	C14 C23 C24 C25 C53	10nF	CAP CER 10000PF 16V 10% X7R 0603	MURATA	GRM188R71C103KA01D		C0603	SOMPLC-F28PLC84
8	2	C15 C54	1uF	Cap Ceramic SMT 0603	Taiyo Yuden	UMK107BJ105KA-T		C0603	SOMPLC-F28PLC84
9	2	C16 C17	100nF	CAP CER .1UF (100nf) 25V Y5V 0402	MURATA	GRM155F51E104ZA01D		C0402	SOMPLC-F28PLC84
10	2	C18 C19	10nF	CAP CER 10000PF (10NF) 25V 10% X7R 0603	MURATA	GRM188R71E103KA01D		C0603	SOMPLC-F28PLC84
11	2	C20 C30	10UF	Cap Ceramic SMT 1206	Taiyo Yuden	GMK316F106ZL-T		C1206	SOMPLC-F28PLC84
12	1	C21	47uf	CAP CER 47UF 25V Y5V 2220	TDK	C5750Y5V1E476Z		C2220	SOMPLC-F28PLC84
13	1	C22	100nF	Cap Ceramic SMT 0402	Kemet Electronics Corporation	C0402C104K8PACTU		C0402	SOMPLC-F28PLC84
14	1	C26	10UF	Capacitor,10UF,6.3 V,20 %, X5R,	PANASONIC	ECJ-2FB0J106M		C0805	SOMPLC-F28PLC84
15	1	C27	10nF	Cap Ceramic SMT 0603	AVX	06035C103KAT2A		C0603	SOMPLC-F28PLC84
16	1	C28	33nf	Cap Ceramic SMT 0402				C0402	SOMPLC-F28PLC84
17	1	C29	22nf	Cap Ceramic SMT 0402				C0402	SOMPLC-F28PLC84
18	2	C31 C42	10UF	CAP CERAMIC 10UF 6.3V X5R 0603	PANASONIC	ECJ-1VB0J106M		C0603	SOMPLC-F28PLC84
19	4	C32 C35 C43 C44	47UF	CAP TANT 47UF 10V 20% 0805	Vishay	298D476X0010P2T		C0805P	SOMPLC-F28PLC84
20	14	C33 C34 C36 C37 C38 C39 C40 C41 C45 C46 C47 C48 C49 C50	0.1uf	CAP CER .1UF 10V 10% X5R 0402	MURATA	GRM155R61A104KA01D		C0402	SOMPLC-F28PLC84
21	3	C55 C61 C62	DNP	Cap Ceramic SMT 0402				C0402	SOMPLC-F28PLC84
22	1	C56	DNI	CAP CER 4.7UF 4.0V X5R 10% 0402	TDK	C1005X5R0G475K		DNI	Do Not Install
23	1	C57	DNI	CAP CER 33PF 25V S 0402 UHI Q	Johanson Dielectrics	250R07S33QJV4T		DNI	Do Not Install
24	1	C58	DNI	CAP CER 10UF 6.3V X5R 20% 0603	TDK	C1608X5R0J106M		DNI	Do Not Install
25	2	D1 D2	LED_RED_SMA_SMT	LED, RED, 3.0 VR, 0.2 IF,SURF.	PANASONIC	LNJ208R8ARA		LED0603H35	SOMPLC-F28PLC84
26	1	J1	SBH31-NBPB-D17-SP-	CONN HDR 1.27MM 34POS GOLD	Sullins Connector	SBH31-NBPB-D17-SP-BK		male	SOMPLC-F28PLC84
27	1	J2	DSP JTAG Header	CONN. 2X7 HEADER, SMT, DSP	SAMTEC	TSM-107-01-S-DV		hdr_14p	SOMPLC-F28PLC84
28	1	L1	330uH	INDUCTOR 330UH 10% 1210 SMD	Panasonic - ECG	ELI-EA331KF		IND1210	SOMPLC-F28PLC84
29	1	L2	470uH	INDUCTOR POWER 470UH 1007	Taiyo Yuden	CB2518T471K		IND1007	SOMPLC-F28PLC84
30	1	L3	1uH	INDUCTOR 1.0UH 1.075A 20%	Taiyo Yuden	LB3218T1R0M		IND1207	SOMPLC-F28PLC84

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31	1	L4	dni	INDUCTOR 2.2UH 350MA 20%	TDK	GLCR2012T2R2M-HC		dni	Do Not Install
32	1	P1	DNI	DNI					Do Not Install
33	2	R1 R2	56R	Resistors 56R, 5% - SMD, 0402				R0402	SOMPLC-F28PLC84
34	2	R3 R4	1K	Resistors,1K,5%, SMD,0402				R0402	SOMPLC-F28PLC84
35	2	R5 R6	680R	Resistors, 680R, 5% - SMD, 0603				R0603	SOMPLC-F28PLC84
36	2	R7 R8	5K49	Resistors 5K49 5% - SMD, 0402				R0402	SOMPLC-F28PLC84
37	1	R9	2K	Resistors 2K 5% - SMD, 0402				R0402	SOMPLC-F28PLC84
38	2	R10 R11	57K6	Resistors 57K6 5% - SMD, 0402				R0402	SOMPLC-F28PLC84
39	3	R12 R13 R14	2K2	Resistors 2K2 5% - SMD, 0402				R0402	SOMPLC-F28PLC84
40	3	R15 R28 R29	0R	Resistors, 0R, 5% - SMD, 0402				R0402	SOMPLC-F28PLC84
41	7	R16 R17 R18 R19 R20 R21	10K	Resistor 10K 5% - SMD,0402				R0402	SOMPLC-F28PLC84
42	1	R23	330R	RES 330 OHM 1/16W 5% 0402	vishay	CRCW0402330RJNED		R0402	SOMPLC-F28PLC84
43	2	R24 R25	150R	Resistor 150R 5% - SMD,0402				R0402	SOMPLC-F28PLC84
44	3	R27 R33 R34	DNP	Resistors, DNP - SMD, 0402 (do				R0402	SOMPLC-F28PLC84
45	2	R30 R31	DNP	Resistors DNP - SMD, 0603 (Do				R0603	SOMPLC-F28PLC84
46	1	R32	33K	Resistor 33K 5% - SMD,0402				R0402	SOMPLC-F28PLC84
47	1	R35	dni	RES 357K OHM 1/10W 1% 0402	Panasonic	ERJ-2RKF3573X		dni	Do Not Install
48	1	R36	dni	RES 165K OHM 1/10W 1% 0402	Panasonic	ERJ-2RKF1653X		dni	Do Not Install
49	2	R41 R42	0	RES 0.0 OHM 1/10W 0402 SMD	Panasonic - ECG	ERJ-2GE0R00X		R0402	SOMPLC-F28PLC84
50	1	R43	10k	RES 10K OHM 1/10W 5% 0402	Panasonic	ERJ-2GEJ103X		R0402	SOMPLC-F28PLC84
51	1	SW1	2POS_DIPSW	SWITCH DIP HALF PITCH 2POS	CTS	218-2LPST		SMT218LP_2POS	SOMPLC-F28PLC84
52	4	TP1 TP3 TP4 TP5	TP_CLIP_5015	PC TEST POINT MINIATURE SMT	TI	5015		TP_5015	SOMPLC-F28PLC84
53	2	U10 U9	B350A-13-F	DIODE SCHOTTKY 3A 50V SMA	Diodes Inc	B350A-13-F		DO-214AB	SOMPLC-F28PLC84
54	1	U11	18V	DIODE ZENER 3W 18V SMB	On Semi	1SMB5931BT3		DO-214AA	SOMPLC-F28PLC84
55	1	U12	DNI	2.25 MHz 300 mA Step Down	TI	TPS62240		DNI	Do Not Install
56	1	U1	F2806x_80Pin	F28069, 80-Pin PFP LQFP	TI	F2806x		PFP (80)	SOMPLC-F28PLC84
57	1	U2	AT24C1024	IC EEPROM 1MBIT 1MHZ 8TSSOP	Atmel	AT24C1024B-TH-T		TSSOP8	SOMPLC-F28PLC84
58	1	U3	SN74LVC2G07DBVR	IC,Dual Buffer/Driver With Open-	TI	SN74LVC2G07DBVR		DBV6	SOMPLC-F28PLC84
59	1	U4	TPS3828-33	Reset Supervisor, SOT23-5	TI	TPS3828-33DBVR		DBV5	SOMPLC-F28PLC84
60	1	U6	AFE031	AFE031 TI PLC Integrated AFE, 48	TI	AFE031		RGZ	SOMPLC-F28PLC84
61	2	U7 U8	DNI	Do Not Install	Diodes Inc	DNI		DO-214AB	SOMPLC-F28PLC84
62	1	X1	20Mhz OSC 20ppm	CRYSTAL 20.0000MHZ 10PF SMD	Abracon Corporation	ABM3B-20.000MHZ-10-1-		4-SMD (0.197" L	SOMPLC-F28PLC84
63	1	C1	470nF	.47 UF/400VDC METAL POLY CAP	PANASONIC	ECQ-E4474KF		Axial 0.591"	SOMPLC-DOCKV1rev5
64	1	C2	1000PF	Capacitor,1000PF,50 V,10	AVX	06035C102KAT*A		C0603	SOMPLC-DOCKV1rev5
65	1	C3	0.33UF	Capacitor,0.33uF,16V,10%,0603,	Murata	GRM188R71C334KA01D		C0603	SOMPLC-DOCKV1rev5
66	3	C4 C12 C14	4.7uf	CAP CER 4.7UF 6.3V X5R 0402	MURATA	GRM155R60J475ME87D		C0402	SOMPLC-DOCKV1rev5
67	11	C5 C6 C7 C8 C9 C10 C11 C13	0.1UF	Capacitor,0.1UF, X7R, 16 V, 0402,	KEMET	C0402C104K4RACTU		C0402	SOMPLC-DOCKV1rev5
68	2	C17 C18	27pf	CAP CERAMIC 27PF 50V NPO 0402	Kemet	C0402C270J5GACTU		C0402	SOMPLC-DOCKV1rev5
69	1	C19	220uF	CAP ALUM 220UF 35V 20% SMD	PANASONIC	EEE-1VA221UP		Radial	SOMPLC-DOCKV1rev5
70	2	C20 C21	0.1uF	CAP CER 0.1UF (100nF) 50V Y5V	TDK	C1608Y5V1H104Z		C0603	SOMPLC-DOCKV1rev5
71	1	C25	2u2F	CAP CER 2.2UF 25V 10% X7R 1210	kemet	C1210C225K3RACTU		C1210	SOMPLC-DOCKV1rev5
72	1	C30	220uF	Tantalum Capacitors - Solid SMD	AVX	TLNT227M010R1300		T3528	SOMPLC-DOCKV1rev5
73	2	C23 C24	100uF	CAP TANT 100UF 20V 10% 2917	Vishay	293D107X9020D2TE3		C2917P	SOMPLC-DOCKV1rev5
74	1	C26	100uF	CAP ALUM 100UF 35V 20% SMD	PANASONIC	EEE-1VA101XP		Radial	SOMPLC-DOCKV1rev5
75	1	D1	200mA	DIODE STANDARD 200mA LL-34	NXP Semi	PMLL4148L,115		LL-34	SOMPLC-DOCKV1rev5
76	4	D2 D4 D6 D7	LED_RED	LEDs SMD 0805 - Red	Stanley	BR1112H-TR		LED0805	SOMPLC-DOCKV1rev5
77	1	D5	LED_GRN	LED SMD 0805 - Green	Stanley	PG1112H-TR		LED0805	SOMPLC-DOCKV1rev5
78	1	J1	SILH-3	3 pin 100mill standard header				HDR_1x3_100MM	SOMPLC-DOCKV1rev5
79	1	J2	DSP JTAG Header	CONN. 2X7 HEADER, SMT, DSP	SAMTEC	TSM-107-01-S-DV		hdr_14p	SOMPLC-DOCKV1rev5
80	1	J3	USB-B-mini-smt	CONN RECEPT MINI USB2.0 5POS	Hirose Electric Co Ltd	UX60-MB-5ST		female?	SOMPLC-DOCKV1rev5
81	1	J4	PWR	CON PWR JCK 2.0 X 6.5MM W/O	CUI	PJ-037A		thru-hole	SOMPLC-DOCKV1rev5

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82	1	L1	15uH	INDUCTOR POWER SHIELD 15UH	Coiltronics/Cooper	DR1040-150-R		DR1040	SOMPLC-DOCKV1rev5
83	1	L2	600nH	COIL POWER CHOKE 600nH 27A	Panasonic - ECG	ETQ-P5LR60XFA		0.571" L x 0.492"	SOMPLC-DOCKV1rev5
84	2	L3 L4	HZ0805E601R-10	FERRITE 500MA 600 OHM 0805	Laird-Signal Integrity	HZ0805E601R-10		805	SOMPLC-DOCKV1rev5
85	2	L5 L6	BEAD	FERRITE CHIP 70 OHM 0402	MURATA	BLM15AX700SN1D		IND0402	SOMPLC-DOCKV1rev5
86	1	M1-1	PMP7190_Module	Conn header female 2 pos 0.100				HDR_1x2	SOMPLC-DOCKV1rev5
87	1	M1-2	PMP7190_Module	Conn header female 2 pos 0.100				HDR_1x2	SOMPLC-DOCKV1rev5
88	1	M1-3	PMP7190_Module	Conn header female 2 pos 0.100				HDR_1x2	SOMPLC-DOCKV1rev5
89	1	M1-4	PMP7190_Module	Conn header female 2 pos 0.100				HDR_1x2	SOMPLC-DOCKV1rev5
90	1	M2	SFH31-NPPB-D17-SP-	CONN HDR FMAL 34PS 1.27MM	Sullins Connector	SFH31-NPPB-D17-SP-BK		Female	SOMPLC-DOCKV1rev5
91	1	M3,P1	EM Module	2x 20P SMT HDR	FCI	87409-110LF		Male	SOMPLC-DOCKV1rev5
92	1	M3,P2	EM Module	2x 20P SMT HDR	FCI	87409-110LF		Male	SOMPLC-DOCKV1rev5
93	4	MH1 MH2 MH3 MH4	MH_PL_141	MTG_HOLE,0.141 hole, 0.25 pad,	TI	280-00002		MH_141	SOMPLC-DOCKV1rev5
94	1	P1	HV Connector	TERM BLOCK 3POS SIDE ENT	TE Connectivity	282841-3		see datasheet	SOMPLC-DOCKV1rev5
95	1	R1	4R7	RESISTOR,4.7 OHM 1/8W 5% 0805	Panasonic	ERJ-6GEYJ4R7V		R0805	SOMPLC-DOCKV1rev5
96	1	R2	1M	RESISTOR,1M,0.125W,5%,0805	AVX	CR21-105J-*		R0805	SOMPLC-DOCKV1rev5
97	1	R3	270R	Resistors 270R, 0.125W, 5%, 0805	Rohm	MCR10E2PJ271		R0805	SOMPLC-DOCKV1rev5
98	3	R4 R5 R6	100.0K	RESISTOR,100.0K,0.125 W,1	AVX	CR21-1003F-*		R0805	SOMPLC-DOCKV1rev5
99	1	R7	1.50K	RESISTOR,1.50K,0.125 W,1%,0805	AVX	CR21-1501F-*		R0805	SOMPLC-DOCKV1rev5
100	1	R8	240k	Resistors 240K, 0.125W, 1%, 0805	Rohm	MCR10E2PF2403		R0805	SOMPLC-DOCKV1rev5
101	7	R9 R10 R12 R15 R19 R20	10k	RES 10K OHM 1/10W 5% 0402	Panasonic	ERJ-2GEJ103X		R0402	SOMPLC-DOCKV1rev5
102	1	R11	100K	RESISTOR,100K, 0.1W, 5%, 0603	Panasonic	ERJ-3GEYJ104V		R0603	SOMPLC-DOCKV1rev5
103	3	R13 R16 R27	1k	RES 1.00K OHM 1/10W 1% 0402	Panasonic	ERJ-2RFK1001X		R0402	SOMPLC-DOCKV1rev5
104	2	R14 R17	0	RES 0.0 OHM 1/10W 0402 SMD	Panasonic - ECG	ERJ-2GE0R00X		R0402	SOMPLC-DOCKV1rev5
105	2	R22 R23	0402_NP	NO POP				R0402	SOMPLC-DOCKV1rev5
106	1	R25	2.21k	RES 2.21K OHM 1/10W 1% 0402	Panasonic - ECG	ERJ-2RFK2211X		R0402	SOMPLC-DOCKV1rev5
107	1	R26	680	RES 680 OHM 1/16W 5% 0402	Rohm Semiconductor	MCR01MZPJ681		R0402	SOMPLC-DOCKV1rev5
108	1	R28	10.7k	RES 10.7K OHM 1/10W 1% 0402	panasonic	ERJ-2RFK1072X		R0402	SOMPLC-DOCKV1rev5
109	3	R31 R33 R34	82R	RES 82 OHM 0402				R0402	SOMPLC-DOCKV1rev5
110	1	R32	68R	RES 68 OHM 1/10W 5% 0402 SMD	panasonic	ERJ-2GEJ680X		R0402	SOMPLC-DOCKV1rev5
111	1	R35	1.87k	RES 1.87K OHM 1/10W 1% 0402	panasonic	ERJ-2RFK1871X		R0402	SOMPLC-DOCKV1rev5
112	1	R36	OR	RES 0.0 OHM 1/8W 0805 SMD	Yageo	RC0805JR-070RL		R0805	SOMPLC-DOCKV1rev5
113	1	SW1	3POS_DIPSW	SWITCH DIP TOP SLIDE 3POS SMD	C&K COMPONENTS	SDA03H1SBD		3PDIPSW	SOMPLC-DOCKV1rev5
114	1	SW2	2POS_DIPSW	SWITCH DIP TOP SLIDE 2POS SMD	C&K COMPONENTS	SDA02H1SBD		2PDIPSW	SOMPLC-DOCKV1rev5
115	1	SW3	SPDT	toggle switch SPDT	Mountain Switch	108-2AS1T1203-EVX		2 thru-hole	SOMPLC-DOCKV1rev5
116	1	T1	750510476	Transformer PLC	WURTH ELEKTRONIK	750510476		see datasheet	SOMPLC-DOCKV1rev5
117	1	TP1	TP_60	60 mil round test point, SMT	TI	TI-TP-60mil		TP_60	SOMPLC-DOCKV1rev5
118	1	U1	10V	TRANSIL 600W 10V BIDIR SMB	STMicroelectronics	SM6T10CA		DO-214AA, SMB	SOMPLC-DOCKV1rev5
119	1	U2	FOD817BSD	Optoisolator, 5000Vrms, 70V	Fairchild Opto	FOD817BSD		4-SMD	SOMPLC-DOCKV1rev5
120	1	U3	BC817	BJT, NPN, Ic=500mA, SOT-23-3	On Semi	BC817-40LT1G		SOT-23-3	SOMPLC-DOCKV1rev5
121	1	U4	5.6V	DIODE ZENER 500mW 5.6V LL-34	NXP Semi	BZV55-CSV6,115		LL-34	SOMPLC-DOCKV1rev5
122	1	U5	JTAG/UART	IC USB HS DUAL UART/FIFO 64-	FTDI	FT2232HL		64-LQFP	SOMPLC-DOCKV1rev5
123	1	U6	Quad NAND	IC GATE POS-NAND QD 2IN 14-	TI	SN74HC03PWR		14-TSSOP	SOMPLC-DOCKV1rev5
124	1	U7	ESD-PROT	IC ESD-PROT ARRAY 2CH SOT-5	TI	TPD2E001DRLR		SOT-553	SOMPLC-DOCKV1rev5
125	1	U8	EEPROM	IC EEPROM 2KBIT 3MHZ 8SOIC	micro chip	93LC56C-I/SN		8-SOIC	SOMPLC-DOCKV1rev5
126	1	U9	LM2941	IC REG LDO ADJ 1A TO-263-5	National	LM2941SX/NOPB		TO-263-5	SOMPLC-DOCKV1rev5
127	1	U10	PTH08080W	MODULE PIP .9-5.5V 2.25A SMD	TI	PTH08080WAS		PTH_5	SOMPLC-DOCKV1rev5
128	1	X1	12MHz OSC	CRYSTAL 12.000 MHZ 20PF SMD	ECS	ECS-120-20-30B-TR		4-SMD	SOMPLC-DOCKV1rev5
129	2	C31 C32	0.1uf	CAP CER 0.1UF 25V 10% X7R 0805	Kemet	C0805C104K3RACTU		C0805	SOMPLC-DOCKV1rev5
130	1	U11	SN74LVC1G57	CONFIGURABLE MULTIPLE-	TI	SN74LVC1G57DBVR		SOT-23-6 (DBV)	SOMPLC-DOCKV1rev5
131	1	A1	Antenna PCB helix	MECHANIC, ANTENNA PCB HELIX	TEXAS INSTRUMENTS	ANTENNA PCB HELIX			CC1310EMK
132	1	C1	DNM	CAPACITOR, DO NOT MOUNT,					CC1310EMK

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133	2	C11,C22	3.6pF	CAPACITOR, CERAMIC C0G/NPO,	MURATA	GRM1555C1H3R6CA01D		402	CC1310EMK
134	1	C12	2.7pF	CAPACITOR, CERAMIC C0G/NPO,	MURATA	GRM1555C1H2R7CA01D		402	CC1310EMK
135	1	C13	6.2pF	CAPACITOR, CERAMIC C0G/NPO,	MURATA	GRM1555C1H6R2CA01D		402	CC1310EMK
136	1	C14	3.3pF	CAPACITOR, CERAMIC C0G/NPO,	MURATA	GRM1555C1H3R3CA01D		402	CC1310EMK
137	2	C15,C21	100pF	CAPACITOR, CERAMIC C0G/NPO,	MURATA	GRM1555C1H101JA01D		402	CC1310EMK
138	1	C16	1pF	CAPACITOR, CERAMIC C0G/NPO,	MURATA	GRM1555C1H1R0CA01D		402	CC1310EMK
139	2	C41,C51	12pF	CAPACITOR, CERAMIC C0G/NPO,	MURATA	GRM1555C1H120JA01D		402	CC1310EMK
140	6	C131,C221,C351,C441,C451,	100nF	CAPACITOR, CERAMIC X7R, 100nF,	MURATA	GRM155R70J104KA01D		402	CC1310EMK
141	1	C231	1uF	CAPACITOR, CERAMIC X5R, 1uF,	MURATA	GRM155R61A105KE15D		402	CC1310EMK
142	2	C331,C341	22uF	CAPACITOR, CERAMIC, X5R, 22uF,	MURATA	GRM188R60J226MEA0D		603	CC1310EMK
143	1	C342	100nF	CAPACITOR, CERAMIC X7R, 100nF,	MURATA	GRM188R71E104KA01D		603	CC1310EMK
144	1	C343	NC	CAPACITOR, CERAMIC, N/A VALUE,	MANUFACTURER	CAPACITOR_0603_N/A_		603	CC1310EMK
145	3	C461,C471,C482	DNM	CAPACITOR, CERAMIC, N/A VALUE,	Manufacturer	CAPACITOR_0402_DNM_		402	CC1310EMK
146	6	FIDU1,FIDU2,FIDU3,FIDU4,F	FIDU_1MM	FIDUCIAL MARK, ROUND 1MM					CC1310EMK
147	1	FL1	BLM18HE152SN1	FILTER, EMI, 1500@100MHz, -	MURATA	BLM18HE152SN1D		603	CC1310EMK
148	1	J1	SMA-10V21-TGG	CONNECTOR, COAX RF, STRAIGHT,	HUS-TSAN	SMA-10V21-TGG			CC1310EMK
149	1	L11	18nH	INDUCTOR, CHIP, 18nH, -5%/+5%,	MURATA	LQW15AN18NJ00D		402	CC1310EMK
150	2	L12,L21	7.5nH	INDUCTOR, CHIP, 7.5nH, -2%/+2%,	MURATA	LQW15AN7N5G00D		402	CC1310EMK
151	2	L13,L14	6.8nH	INDUCTOR, CHIP, 6.8nH, -2%/+2%,	MURATA	LQW15AN6N8G00D		402	CC1310EMK
152	1	L15	12nH	INDUCTOR, CHIP, 12nH, -5%/+5%,	MURATA	LQW15AN12NJ00D		402	CC1310EMK
153	1	L331	6.8uH	INDUCTOR, CHIP, FERRITE CORE,	TDK	MLZ2012N6R8LT000		805	CC1310EMK
154	2	P1,P2	SFM-110-02-S-D-A-K-	CONNECTOR, HEADER, FEMALE,	SAMTEC	SFM-110-02-SM-D-A-K-TR			CC1310EMK
155	1	R11	0	RESISTOR, THICK FILM, 0, -	MANUFACTURER	RESISTOR_0402_0_+/-		402	CC1310EMK
156	1	R12	DNM	RESISTOR, DO NOT MOUNT, 0402,	DO NOT MOUNT	DNM		402	CC1310EMK
157	1	R351	100k	RESISTOR, THICK FILM, 100k, -	MANUFACTURER	RESISTOR_0402_100k_+/-		402	CC1310EMK
158	1	U1	CC13xx 7x7	IC, DIGITAL, CUSTOM, CC13xx 7x7,	TEXAS INSTRUMENTS	CC13xx 7x7	QFN48		CC1310EMK
159	1	Y1	32.768kHz	CRYSTAL, RESONATOR, 32.768kHz,	EPSON	FC-135 32.7680KA-AG0			CC1310EMK
160	1	Y2	24MHz	CRYSTAL, CRYSTAL OSCILLATOR,	EPSON	TSX-3225 24.0000MF15X-			CC1310EMK

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