

#	Ref Designator	Description	Value	Min Tolerance	Max Tolerance	Rating	Dielectric	Pop/Unpop	Manufacturer	Manufacturer Part Number
1	U2	D2602 FCQFN12	D2602					Populated	Dialog Semiconductor	D2602
2	U1	D2602 WLCSP12	D2602					Populated	Dialog Semiconductor	D2602
3	C25	3216 (1206 EIA) SMD Tantalum Capacitor	4u7	-10%	-10%	16V		Populated	Kemet	T491A475K016AT
4	C18	3216 (1206 EIA) SMD Tantalum Capacitor	10u	-10%	-10%	10V		Populated	Kemet	T491A106K010AT
5	C10	2012 (0805 EIA) SMD Tantalum Capacitor	22u	-20%	-20%	10V		Populated	AVX	TACR226M010XTA
6	C34	1005 (0402 EIA) SMD Capacitor	10p	-5%	-5%	50V	COG/NPO	Populated	Murata	GRM1555C1H100JA01D
7	C27	1005 (0402 EIA) SMD Capacitor	12p	-5%	-5%	50V	COG/NPO	Populated	Murata	GRM1555C1H120JA01D
8	C33	1005 (0402 EIA) SMD Capacitor	12p	-5%	-5%	50V	COG/NPO	Populated	Murata	GRM1555C1H120JA01D
9	C42	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D
10	C19	1608 (0603 EIA) SMD Capacitor	4u7	-10%	-10%	6V3	X5R	Populated	Murata	GRM188R60J475ME19D
11	C4	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
12	C6	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
13	C7	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
14	C8	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
15	C20	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
16	C21	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
17	C22	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
18	C24	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
19	C26	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
20	C28	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
21	C29	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
22	C32	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
23	C35	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
24	C36	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
25	C37	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
26	C38	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
27	C45	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D
28	C30	1608 (0603 EIA) SMD Capacitor	470p	-10%	-10%	50V	X7R	Populated	Murata	GRM188R71H471KA01D
29	C44	1608 (0603 EIA) SMD Capacitor	470p	-10%	-10%	50V	X7R	Populated	Murata	GRM188R71H471KA01D
30	C11	1608 (0603 EIA) SMD Capacitor	100n	-10%	-10%	50V	X7R	Populated	Murata	GRM188R71H104KA93D
31	C13	1608 (0603 EIA) SMD Capacitor	100n	-10%	-10%	50V	X7R	Populated	Murata	GRM188R71H104KA93D
32	C14	1608 (0603 EIA) SMD Capacitor	100n	-10%	-10%	50V	X7R	Populated	Murata	GRM188R71H104KA93D
33	C16	1608 (0603 EIA) SMD Capacitor	100n	-10%	-10%	50V	X7R	Populated	Murata	GRM188R71H104KA93D
34	C23	1608 (0603 EIA) SMD Capacitor	1u	-10%	-10%	25V	X7R	Populated	Murata	GRM188R71E105KA12D
35	C31	2012 (0805 EIA) SMD Capacitor	10u	-10%	-10%	16V	X5R	Populated	Murata	GRM21BR61C106KE15L
36	C43	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	X5R	Populated	Taiyo Yuden	JMK105BJ105KV-F
37	C49	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	X5R	Populated	Taiyo Yuden	JMK105BJ105KV-F
38	C1	1005 (0402 EIA) SMD Capacitor	2u2	-10%	-10%	16V	X5R	Populated	TDK	C1005X5R1C225K050BC
39	C2	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Populated	TDK	C0603X7S1A104K030BC
40	C5	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Populated	TDK	C0603X7S1A104K030BC
41	C40	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Populated	TDK	C0603X7S1A104K030BC
42	C46	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Populated	TDK	C0603X7S1A104K030BC
43	C48	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Populated	TDK	C0603X7S1A104K030BC
44	C3	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	35V	X5R	Populated	Murata	GRM188R6VA106MA73D
45	C9	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	35V	X5R	Populated	Murata	GRM188R6VA106MA73D
46	C41	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7R	Populated	Murata	GRM155R71A104KA01D
47	R8	1608 (0603 EIA) SMD Resistor	1R	-1%	-1%	100mW		Populated	Yageo	RC0603FR-071RL
48	R43	1608 (0603 EIA) SMD Resistor	430R	-1%	-1%	100mW		Populated	Yageo	RC0603FR-07430RL
49	R44	1608 (0603 EIA) SMD Resistor	430R	-1%	-1%	100mW		Populated	Yageo	RC0603FR-07430RL
50	R45	1608 (0603 EIA) SMD Resistor	430R	-1%	-1%	100mW		Populated	Yageo	RC0603FR-07430RL
51	R31	1608 (0603 EIA) SMD Resistor	100K	-1%	-1%	100mW		Populated	Yageo	RC0603FR-07100KL
52	R36	1608 (0603 EIA) SMD Resistor	100K	-1%	-1%	100mW		Populated	Yageo	RC0603FR-07100KL
53	R16	1005 (0402 EIA) SMD Resistor	39R	-1%	-1%	63mW		Populated	Yageo	RC0402FR-0739RL
54	R17	1005 (0402 EIA) SMD Resistor	39R	-1%	-1%	63mW		Populated	Yageo	RC0402FR-0739RL
55	R3	1005 (0402 EIA) SMD Resistor	300R	-1%	-1%	63mW		Populated	Yageo	RC0402FR-07300RL
56	R2	1005 (0402 EIA) SMD Resistor	680R	-1%	-1%	63mW		Populated	Yageo	RC0402FR-07680RL
57	R6	1005 (0402 EIA) SMD Resistor	2K2	-1%	-1%	63mW		Populated	Yageo	RC0402FR-072K2L
58	R12	1005 (0402 EIA) SMD Resistor	2K2	-1%	-1%	63mW		Populated	Yageo	RC0402FR-072K2L
59	R13	1005 (0402 EIA) SMD Resistor	2K2	-1%	-1%	63mW		Populated	Yageo	RC0402FR-072K2L

60	R15	1005 (0402 EIA) SMD Resistor	6K8	-1%	-1%	63mW	Populated	Yageo	RC0402FR-076K8L
61	R37	1005 (0402 EIA) SMD Resistor	1M	-1%	-1%	63mW	Populated	Yageo	RC0402FR-071ML
62	R1	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
63	R4	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
64	R11	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
65	R22	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
66	R25	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
67	R28	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
68	R29	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
69	R30	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
70	R33	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
71	R34	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
72	R35	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
73	R41	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
74	R42	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
75	R46	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
76	R47	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
77	R48	1005 (0402 EIA) SMD Resistor	0R			63mW	Populated	Yageo	RC0402JR-070RL
78	R7	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
79	R14	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
80	R19	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
81	R26	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
82	R27	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
83	R38	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
84	R39	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
85	R40	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Populated	Panasonic	ERA-2AEB103X
86	R5	1608 (0603 EIA) SMD Resistor	0R			250mW	Populated	Vishay	CRCW06030000Z0EAHP
87	R32	1608 (0603 EIA) SMD Resistor	0R			250mW	Populated	Vishay	CRCW06030000Z0EAHP
88	L1	3030 (1212 EIA) SMD Inductor	10u	-20%	-20%	Isat=630mA	Populated	TDK	VLS3010ET-100M
89	FB2	1608 (0603 EIA) SMD Ferrite Bead	220R	-25%	-25%	Isat=2A	Populated	TDK	MPZ1608S221ATA00
90	D2	1608 (0603 EIA) SMD LED	GREEN			Vf=2V1	Populated	Vishay	TLMP1100-GS08
91	D3	1608 (0603 EIA) SMD LED	BLUE			Vf=3V3	Populated	Kingbright	KPG-1608QBC-D
92	D4	1608 (0603 EIA) SMD LED	BLUE			Vf=3V3	Populated	Kingbright	KPG-1608QBC-D
93	D5	1608 (0603 EIA) SMD LED	BLUE			Vf=3V3	Populated	Kingbright	KPG-1608QBC-D
94	D1	1608 (0603 EIA) SMD LED	RED			Vf=2V	Populated	Kingbright	KPG-1608SURKC-T
95	Q1	N-Channel MOSFET SOT-23	FDV303N			25V 680mA	Populated	Fairchild Semiconductor	FDV303N
96	Y1	XTAL 12MHz 12pF SM FA-238V	12M				Populated	Epson	FA-238V 12.0000MB-W3
97	J3	MINI USB Type B Surface Mount Right Angle PCB Socket	USB - mini B				Populated	TE Connectivity	1734035-2
98	J4	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S				Populated	Samtec	TSW-102-07-G-S
99	J2	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S
100	J1	1x4 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-104-07-G-S				Populated	Samtec	TSW-104-07-G-S
101	TP1	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46
102	VR2	LP3871 3.3V 800mA Fast Ultra Low Dropout Linear Regulator	LP3871			3V3 800mA	Populated	National Semiconductor	LP3871EMP-3.3/NOPB
103	VR1	ULTRALOW-NOISE, HIGH PSRR, FAST RF 200mA LOW-DROPOUT LINEAR REGULATORS IN NanoStar WAFER CHIP SCALE AND SOT23	TSP79318			1.8V 200mA	Populated	Texas Instruments	TPS79318DBVR
104	U6	XC61CN Series Voltage Detector SOT23	XC61CN4502			4V5	Populated	Torex	XC61CN4502MRN
105	U3	ARM-Based Flash MCU	SAM3U4E				Populated	Atmel	ATSAM3U4EA-CU
106	U4	Small, Low Power, 3-Axis +/-3 g Accelerometer	ADXL335BCPZ				Populated	Analog Devices	ADXL335BCPZ
107	U5	Seven-channel Capacitive Touch Sensor IC	AT42QT1070-SSU				Populated	Atmel	AT42QT1070-SSU
108	C12	1608 (0603 EIA) SMD Capacitor	100n	-10%	-10%	16V	Unpop	Murata	GRM188R71C104KA01D
109	C15	1608 (0603 EIA) SMD Capacitor	100n	-10%	-10%	16V	Unpop	Murata	GRM188R71C104KA01D
110	C17	1608 (0603 EIA) SMD Capacitor	100n	-10%	-10%	16V	Unpop	Murata	GRM188R71C104KA01D
111	C39	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	Unpop	Taiyo Yuden	JMK105BJ105KV-F
112	C47	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	Unpop	Taiyo Yuden	JMK105BJ105KV-F
113	R9	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Unpop	Panasonic	ERA-2AEB103X
114	R10	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Unpop	Panasonic	ERA-2AEB103X
115	R18	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Unpop	Panasonic	ERA-2AEB103X
116	R20	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10%	63mW	Unpop	Panasonic	ERA-2AEB103X

117 R21	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10% 63mW	Unpop	Panasonic	ERA-2AEB103X
118 R23	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10% 63mW	Unpop	Panasonic	ERA-2AEB103X
119 R24	1005 (0402 EIA) SMD Resistor	10K	-0.10%	-0.10% 63mW	Unpop	Panasonic	ERA-2AEB103X
120 FB1	1608 (0603 EIA) SMD Ferrite Bead	220R	-25%	-25% Isat=2A	Unpop	TDK	MPZ1608S221ATA00
121 J7	1x6 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-106-07-G-S			Unpop	Samtec	TSW-106-07-G-S
122 J5	1x8 2.54mm pitch PCB Pin Header VERTICAL (10.16mm tail)	TSW-108-09-G-S			Unpop	Samtec	TSW-108-09-G-S
123 J8	1x8 2.54mm pitch PCB Pin Header VERTICAL (10.16mm tail)	TSW-108-09-G-S			Unpop	Samtec	TSW-108-09-G-S
124 J6	1x10 2.54mm pitch PCB Pin Header VERTICAL (10.16mm tail)	TSW-110-09-G-S			Unpop	Samtec	TSW-110-09-G-S
125 TP2	Unpop 1.25mm Round SMT Test Point	SMT Pad 1.25mm			Unpop		
126 TP3	Unpop 1.25mm Round SMT Test Point	SMT Pad 1.25mm			Unpop		
127 TP4	Unpop 1.25mm Round SMT Test Point	SMT Pad 1.25mm			Unpop		
128 TP5	Unpop 1.25mm Round SMT Test Point	SMT Pad 1.25mm			Unpop		
129 TP6	Unpop 1.25mm Round SMT Test Point	SMT Pad 1.25mm			Unpop		
130 SP1	Unpop Shorting Point	Short			Populated		
131 SP2	Unpop Shorting Point	Short			Populated		
132 SP3	Unpop Shorting Point	Short			Populated		
133 SP4	Unpop Shorting Point	Short			Populated		
134 SP5	Unpop Shorting Point	Short			Populated		
135 SP6	Unpop Shorting Point	Short			Populated		
136 SP7	Unpop Shorting Point	Short			Populated		
137 SP8	Unpop Shorting Point	Short			Populated		

#	QTY	Ref Designator	Description	Value	Min Tolerance	Max Tolerance	Rating	Dielectric	Pop/Unpop	Manufacturer	Manufacturer Part Number
1	1	U2	D2602 FCQFN12	D2602					Populated	Dialog Semiconductor	D2602
2	1	U1	D2602 WLSP12	D2602					Populated	Dialog Semiconductor	D2602
3	1	C25	3216 (1206 EIA) SMD Tantalum Capacitor	4u7	-10%	10% 16V			Populated	Kemet	T491A475K016AT
4	1	C18	3216 (1206 EIA) SMD Tantalum Capacitor	10u	-10%	10% 10V			Populated	Kemet	T491A106K010AT
5	1	C10	2012 (0805 EIA) SMD Tantalum Capacitor	22u	-20%	20% 10V			Populated	AVX	TACR226M010XTA
6	1	C34	1005 (0402 EIA) SMD Capacitor	10p	-5%	5% 50V		COG/NPO	Populated	Murata	GRM1555C1H100JA01D
7	2	C27,C33	1005 (0402 EIA) SMD Capacitor	12p	-5%	5% 50V		COG/NPO	Populated	Murata	GRM1555C1H120JA01D
8	1	C42	1005 (0402 EIA) SMD Capacitor	100n	-10%	10% 10V		X5R	Populated	Murata	GRM155R61A104KA01D
9	1	C19	1608 (0603 EIA) SMD Capacitor	4u7	-10%	10% 6V3		X5R	Populated	Murata	GRM188R60J475ME19D
10	17	C4,C6-C8,C20-C22,C24,C26,C28,C29,C32,C35-	1005 (0402 EIA) SMD Capacitor	100n	-10%	10% 16V		X7R	Populated	Murata	GRM155R71C104KA88D
11	2	C30,C44	1608 (0603 EIA) SMD Capacitor	470p	-10%	10% 50V		X7R	Populated	Murata	GRM188R71H471KA01D
12	4	C11,C13,C14,C16	1608 (0603 EIA) SMD Capacitor	100n	-10%	10% 50V		X7R	Populated	Murata	GRM188R71H104KA93D
13	1	C23	1608 (0603 EIA) SMD Capacitor	1u	-10%	10% 25V		X7R	Populated	Murata	GRM188R71E105KA12D
14	1	C31	2012 (0805 EIA) SMD Capacitor	10u	-10%	10% 16V		X5R	Populated	Murata	GRM218R61C106KE15L
15	2	C43,C49	1005 (0402 EIA) SMD Capacitor	1u	-10%	10% 6V3		X5R	Populated	Taiyo Yuden	JMK105BJ105KV-F
16	1	C1	1005 (0402 EIA) SMD Capacitor	2u2	-10%	10% 16V		X5R	Populated	TDK	C1005X5R1C225K050BC
17	5	C2,C5,C40,C46,C48	0603 (0201 EIA) SMD Capacitor	100n	-10%	10% 10V		X7S	Populated	TDK	C0603X7S1A104K030BC
18	2	C3,C9	1608 (0603 EIA) SMD Capacitor	10u	-20%	20% 35V		X5R	Populated	Murata	GRM188R6YA106MA73D
19	1	C41	1005 (0402 EIA) SMD Capacitor	100n	-10%	10% 10V		X7R	Populated	Murata	GRM155R71A104KA01D
20	1	R8	1608 (0603 EIA) SMD Resistor	1R	-1%	1% 100mW			Populated	Yageo	RC0603FR-071RL
21	3	R43-R45	1608 (0603 EIA) SMD Resistor	430R	-1%	1% 100mW			Populated	Yageo	RC0603FR-07430RL
22	2	R31,R36	1608 (0603 EIA) SMD Resistor	100K	-1%	1% 100mW			Populated	Yageo	RC0603FR-07100KL
23	2	R16,R17	1005 (0402 EIA) SMD Resistor	39R	-1%	1% 63mW			Populated	Yageo	RC0402FR-0739RL
24	1	R3	1005 (0402 EIA) SMD Resistor	300R	-1%	1% 63mW			Populated	Yageo	RC0402FR-07300RL
25	1	R2	1005 (0402 EIA) SMD Resistor	680R	-1%	1% 63mW			Populated	Yageo	RC0402FR-07680RL
26	3	R6,R12,R13	1005 (0402 EIA) SMD Resistor	2K2	-1%	1% 63mW			Populated	Yageo	RC0402FR-072K2L
27	1	R15	1005 (0402 EIA) SMD Resistor	6K8	-1%	1% 63mW			Populated	Yageo	RC0402FR-076K8L
28	1	R37	1005 (0402 EIA) SMD Resistor	1M	-1%	1% 63mW			Populated	Yageo	RC0402FR-071ML
29	16	R1,R4,R11,R22,R25,R28-R30,R33-R35,R41,R42,R46-R48	1005 (0402 EIA) SMD Resistor	0R		63mW			Populated	Yageo	RC0402JR-070RL
30	8	R7,R14,R19,R26,R27,R38-R40	1005 (0402 EIA) SMD Resistor	10K	-0.10%	0.10% 63mW			Populated	Panasonic	ERA-2AEB103X
31	2	R5,R32	1608 (0603 EIA) SMD Resistor	0R		250mW			Populated	Vishay	CRCW06030000Z0EAHP
32	1	L1	3030 (1212 EIA) SMD Inductor	10u	-20%	20% Isat=630mA			Populated	TDK	VLS3010ET-100M
33	1	FB2	1608 (0603 EIA) SMD Ferrite Bead	220R	-25%	25% Isat=2A			Populated	TDK	MP21608S221ATA00
34	1	D2	1608 (0603 EIA) SMD LED	GREEN		Vf=2V1			Populated	Vishay	TLMP1100-GS08
35	3	D3-D5	1608 (0603 EIA) SMD LED	BLUE		Vf=3V3			Populated	Kingbright	KPG-1608QBC-D
36	1	D1	1608 (0603 EIA) SMD LED	RED		Vf=2V			Populated	Kingbright	KPG-1608SURKC-T
37	1	Q1	N-Channel MOSFET SOT-23	FDV303N		25V 680mA			Populated	Fairchild Semiconductor	FDV303N
38	1	Y1	XTAL 12MHz 12pF SM FA-238V	12M					Populated	Epson	FA-238V 12.0000MB-W3
39	1	J3	MINI USB Type B Surface Mount Right Angle PCB Socket	USB - mini B					Populated	TE Connectivity	1734035-2
40	1	J4	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S					Populated	Samtec	TSW-102-07-G-S
41	1	J2	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S					Populated	Samtec	TSW-103-07-G-S
42	1	J1	1x4 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-104-07-G-S					Populated	Samtec	TSW-104-07-G-S
43	1	TP1	SMT PCB Test Terminal	SMT					Populated	Harwin	S1751-46
44	1	VR2	LP3871 3.3V 800mA Fast Ultra Low Dropout Linear Regulator	LP3871		3V3 800mA			Populated	National Semiconductor	LP3871EMP-3.3/NOPB
45	1	VR1	ULTRALOW-NOISE, HIGH PSRR, FAST RF 200mA LOW-DROPOUT LINEAR REGULATORS IN NanoStar WAFER CHIP SCALE AND SOT23	TSP79318		1.8V 200mA			Populated	Texas Instruments	TSP79318DBVR
46	1	U6	XC61CN Series Voltage Detector SOT23	XC61CN4502		4V5			Populated	Torex	XC61CN4502MRN
47	1	U3	ARM-Based Flash MCU	SAM3U4E					Populated	Atmel	ATSAM3U4EA-CU
48	1	U4	Small, Low Power, 3-Axis +/-3 g Accelerometer	ADXL335BCPZ					Populated	Analog Devices	ADXL335BCPZ
49	1	U5	Seven-channel Capacitive Touch Sensor IC	AT42QT1070-SSU					Populated	Atmel	AT42QT1070-SSU
50	3	C12,C15,C17	1608 (0603 EIA) SMD Capacitor	100n	-10%	10% 16V		X7R	Unpop	Murata	GRM188R71C104KA01D
51	2	C39,C47	1005 (0402 EIA) SMD Capacitor	1u	-10%	10% 6V3		X5R	Unpop	Taiyo Yuden	JMK105BJ105KV-F
52	7	R9,R10,R18,R20,R21,R23,R24	1005 (0402 EIA) SMD Resistor	10K	-0.10%	0.10% 63mW			Unpop	Panasonic	ERA-2AEB103X
53	1	FB1	1608 (0603 EIA) SMD Ferrite Bead	220R	-25%	25% Isat=2A			Unpop	TDK	MP21608S221ATA00
54	1	J7	1x6 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-106-07-G-S					Unpop	Samtec	TSW-106-07-G-S
55	2	J5,J8	1x8 2.54mm pitch PCB Pin Header VERTICAL (10.16mm tail)	TSW-108-09-G-S					Unpop	Samtec	TSW-108-09-G-S
56	1	J6	1x10 2.54mm pitch PCB Pin Header VERTICAL (10.16mm tail)	TSW-110-09-G-S					Unpop	Samtec	TSW-110-09-G-S
57	5	TP2-TP6	Unpop 1.25mm Round SMT Test Point	SMT Pad 1.25mm					Unpop		

58	8 SP1-SP8	Unpop Shorting Point	Short	Unpop
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