

#	Ref Designator	DiaSemi Code	Description	Value	Min Tolerance	Max Tolerance	Rating	Dielectric	Pop/Unpop	Manufacturer	Manufacturer Part Number	Dialog to Supply	BOM Assembly Instruction
1	U1	091-00200	DA7280 WLCSP12	DA7280					Populated	Dialog Semiconductor	DA7280 WLCSP12	Yes	
2	LNK2	004-00001	Jumper Link 2.54mm Open Blue	22-3555					Populated	Rapid	22-3555		Fit to J3:1-2
3	LNK1	004-00002	Jumper Link 2.54mm Open Red	22-3565					Populated	Rapid	22-3565		Fit to J2:1-2
4	LNK3	004-00002	Jumper Link 2.54mm Open Red	22-3565					Populated	Rapid	22-3565		Fit to J7:1-2
5	C12	016-00027	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D		
6	C11	016-00042	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	6V3	X5R	Populated	Murata	GRM188R60J106ME47D		
7	C13	016-00042	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	6V3	X5R	Populated	Murata	GRM188R60J106ME47D		
8	C14	016-00042	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	6V3	X5R	Populated	Murata	GRM188R60J106ME47D		
9	C15	016-00042	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	6V3	X5R	Populated	Murata	GRM188R60J106ME47D		
10	C16	016-00042	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	6V3	X5R	Populated	Murata	GRM188R60J106ME47D		
11	C17	016-00042	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	6V3	X5R	Populated	Murata	GRM188R60J106ME47D		
12	C18	016-00042	1608 (0603 EIA) SMD Capacitor	10u	-20%	-20%	6V3	X5R	Populated	Murata	GRM188R60J106ME47D		
13	C1	016-00047	1005 (0402 EIA) SMD Capacitor	470p	-10%	-10%	50V	X7R	Populated	Murata	GRM155R71H471KA01D		
14	C2	016-00047	1005 (0402 EIA) SMD Capacitor	470p	-10%	-10%	50V	X7R	Populated	Murata	GRM155R71H471KA01D		
15	C10	016-00321	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	X5R	Populated	Taiyo Yuden	JMK105B1105KV-F		
16	C8	016-00344	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Populated	TDK	C0603X7S1A104K030BC		
17	C9	016-00344	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Populated	TDK	C0603X7S1A104K030BC		
18	R3	022-00481	1005 (0402 EIA) SMD Resistor	2K2	-1%	-1%	63mW		Populated	Yageo	RC0402FR-072K2L		
19	R4	022-00481	1005 (0402 EIA) SMD Resistor	2K2	-1%	-1%	63mW		Populated	Yageo	RC0402FR-072K2L		
20	R8	022-00493	1005 (0402 EIA) SMD Resistor	10K	-1%	-1%	63mW		Populated	Yageo	RC0402FR-0710KL		
21	R1	022-00515	1005 (0402 EIA) SMD Resistor	100K	-1%	-1%	63mW		Populated	Yageo	RC0402FR-07100KL		
22	R2	022-00515	1005 (0402 EIA) SMD Resistor	100K	-1%	-1%	63mW		Populated	Yageo	RC0402FR-07100KL		
23	R7	022-00522	1005 (0402 EIA) SMD Resistor	240K	-1%	-1%	63mW		Populated	Yageo	RC0402FR-07240KL		
24	R6	022-00531	1005 (0402 EIA) SMD Resistor	1M	-1%	-1%	63mW		Populated	Yageo	RC0402FR-071ML		
25	R5	022-00727	1005 (0402 EIA) SMD Resistor	5K6	-1%	-1%	63mW		Populated	Yageo	RC0402FR-075K6L		
26	L1	032-00214	DFE201610 Series SMD Inductor	2u2	-20%	-20%	Isat=2.4A		Populated	Murata	DFE201610E-2R2M		
27	J4	072-00002	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tall)	TSW-102-07-G-S					Populated	Samtec	TSW-102-07-G-S		
28	J2	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tall)	TSW-103-07-G-S					Populated	Samtec	TSW-103-07-G-S		
29	J3	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tall)	TSW-103-07-G-S					Populated	Samtec	TSW-103-07-G-S		
30	VR1	081-00056	Synchronous Boost Converter with Ultra-Low Quiescent Current	TPS61099YFFT			1V8-5V5 800mA		Populated	Texas Instruments	TPS61099YFFT		
31	U2	091-00199	DA7280 FCOFN12	DA7280					Unpop	Dialog Semiconductor	DA7280 FCOFN12	Yes	
32	C5	016-00027	1005 (0402 EIA) SMD Capacitor	100n	-10%	-10%	10V	X5R	Unpop	Murata	GRM155R61A104KA01D		
33	C3	016-00321	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	X5R	Unpop	Taiyo Yuden	JMK105B1105KV-F		
34	C6	016-00321	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	X5R	Unpop	Taiyo Yuden	JMK105B1105KV-F		
35	C7	016-00321	1005 (0402 EIA) SMD Capacitor	1u	-10%	-10%	6V3	X5R	Unpop	Taiyo Yuden	JMK105B1105KV-F		
36	C4	016-00344	0603 (0201 EIA) SMD Capacitor	100n	-10%	-10%	10V	X7S	Unpop	TDK	C0603X7S1A104K030BC		
37	J1	072-00010	1x10 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tall)	TSW-110-07-G-S					Unpop	Samtec	TSW-110-07-G-S		
38	J5	072-00010	1x10 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tall)	TSW-110-07-G-S					Unpop	Samtec	TSW-110-07-G-S		
39	TP1	994-00013	Unpop Round Pad 2.25mm x 1.50mm Hole PTH Test Point No Silkscreen	PTH Pad Round 2.25mm x 1.50mm Hole					Unpop				
40	TP2	994-00013	Unpop Round Pad 2.25mm x 1.50mm Hole PTH Test Point No Silkscreen	PTH Pad Round 2.25mm x 1.50mm Hole					Unpop				
41	J6	995-00021	Unpop Edge Connector - mates with JAE Electronics MM60-52B1-E1-R650.	CONN JAE-MM60-52B1-EX Mating Footprint					Unpop				