

Ref Des	DiaSemi Code	Description	Value	Tolerance	Rating	Dielectric	Pop/Unpop	Manufacturer	Manufacturer Part Number	Datasheet	BOM_Assembly Instruction
LNK_J19	004-00001	Jumper Link Open Blue	22-3555				Populated	Rapid	22-3555	<a href="#">Datasheet</a>	Fit to J19:2-3
LNK_J20	004-00001	Jumper Link Open Blue	22-3555				Populated	Rapid	22-3555	<a href="#">Datasheet</a>	Fit to J20:2-3
LNK_J25	004-00001	Jumper Link Open Blue	22-3555				Populated	Rapid	22-3555	<a href="#">Datasheet</a>	Fit to J25:1-2
LNK_J26	004-00001	Jumper Link Open Blue	22-3555				Populated	Rapid	22-3555	<a href="#">Datasheet</a>	Fit to J26:1-2
LNK_J28	004-00001	Jumper Link Open Blue	22-3555				Populated	Rapid	22-3555	<a href="#">Datasheet</a>	Fit to J28:3-4
LNK_J11	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J11:1-2
LNK_J12	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J12:1-2
LNK_J13	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J13:1-2
LNK_J22	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J22:1-2
LNK_J24	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J24:1-2
LNK_J6	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J6:1-2
LNK_J7	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J7:1-2
LNK_J8	004-00002	Jumper Link Open Red	22-3565				Populated	Rapid	22-3565	<a href="#">Datasheet</a>	Fit to J8:1-2
LNK_J27	004-00004	Jumper Link 4-Way Open Black	MNT-104-BK-G				Populated	Samtec	MNT-104-BK-G	<a href="#">Datasheet</a>	Fit to J27:1-2
MSC1	009-00001	Self adhesive rubber feet round 12.7mm Diameter	1421T2				Populated	Hammond	1421T2	<a href="#">Datasheet</a>	
MSC2	009-00001	Self adhesive rubber feet round 12.7mm Diameter	1421T2				Populated	Hammond	1421T2	<a href="#">Datasheet</a>	
MSC3	009-00001	Self adhesive rubber feet round 12.7mm Diameter	1421T2				Populated	Hammond	1421T2	<a href="#">Datasheet</a>	
MSC4	009-00001	Self adhesive rubber feet round 12.7mm Diameter	1421T2				Populated	Hammond	1421T2	<a href="#">Datasheet</a>	
C1	014-00014	3216 (1206 EIA) SMD Tantalum Capacitor	10u	+10%	10V		Populated	Kemet	T491A106K010AT	<a href="#">Datasheet</a>	
C2	014-00014	3216 (1206 EIA) SMD Tantalum Capacitor	10u	+10%	10V		Populated	Kemet	T491A106K010AT	<a href="#">Datasheet</a>	
C3	014-00014	3216 (1206 EIA) SMD Tantalum Capacitor	10u	+10%	10V		Populated	Kemet	T491A106K010AT	<a href="#">Datasheet</a>	
C33	014-00014	3216 (1206 EIA) SMD Tantalum Capacitor	10u	+10%	10V		Populated	Kemet	T491A106K010AT	<a href="#">Datasheet</a>	
C34	016-00001	1005 (0402 EIA) SMD Capacitor	10p	+5%	50V	COG/NPO	Populated	Murata	GRM1555C1H100JA01D	<a href="#">Datasheet</a>	
C40	016-00002	1005 (0402 EIA) SMD Capacitor	12p	+5%	50V	COG/NPO	Populated	Murata	GRM1555C1H120JA01D	<a href="#">Datasheet</a>	
C41	016-00002	1005 (0402 EIA) SMD Capacitor	12p	+5%	50V	COG/NPO	Populated	Murata	GRM1555C1H120JA01D	<a href="#">Datasheet</a>	
C16	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C17	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C18	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C19	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C25	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C27	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C32	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C35	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C36	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C37	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C38	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C39	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C42	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C43	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C44	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C45	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C46	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C47	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C48	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C51	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C52	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C53	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C54	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C55	016-00027	1005 (0402 EIA) SMD Capacitor	100n	+10%	10V	X5R	Populated	Murata	GRM155R61A104KA01D	<a href="#">Datasheet</a>	
C20	016-00042	1608 (0603 EIA) SMD Capacitor	10u	+20%	6.3V	X5R	Populated	Murata	GRM188R60J106ME47D	<a href="#">Datasheet</a>	
C21	016-00042	1608 (0603 EIA) SMD Capacitor	10u	+20%	6.3V	X5R	Populated	Murata	GRM188R60J106ME47D	<a href="#">Datasheet</a>	
C24	016-00042	1608 (0603 EIA) SMD Capacitor	10u	+20%	6.3V	X5R	Populated	Murata	GRM188R60J106ME47D	<a href="#">Datasheet</a>	
C26	016-00042	1608 (0603 EIA) SMD Capacitor	10u	+20%	6.3V	X5R	Populated	Murata	GRM188R60J106ME47D	<a href="#">Datasheet</a>	
C31	016-00042	1608 (0603 EIA) SMD Capacitor	10u	+20%	6.3V	X5R	Populated	Murata	GRM188R60J106ME47D	<a href="#">Datasheet</a>	
C22	016-00052	1005 (0402 EIA) SMD Capacitor	1n2	+10%	50V	X7R	Populated	Murata	GRM155R71H122KA01D	<a href="#">Datasheet</a>	
C23	016-00058	1005 (0402 EIA) SMD Capacitor	3n3	+10%	50V	X7R	Populated	Murata	GRM155R71H332KA01D	<a href="#">Datasheet</a>	
C50	016-00066	1005 (0402 EIA) SMD Capacitor	10n	+10%	25V	X7R	Populated	Murata	GRM155R71E103KA01D	<a href="#">Datasheet</a>	
C58	016-00068	1005 (0402 EIA) SMD Capacitor	10n	+10%	16V	X7R	Populated	Murata	GRM155R71C103KA01D	<a href="#">Datasheet</a>	
C56	016-00085	1005 (0402 EIA) SMD Capacitor	100n	+10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D	<a href="#">Datasheet</a>	
C57	016-00085	1005 (0402 EIA) SMD Capacitor	100n	+10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D	<a href="#">Datasheet</a>	
C59	016-00085	1005 (0402 EIA) SMD Capacitor	100n	+10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D	<a href="#">Datasheet</a>	
C60	016-00085	1005 (0402 EIA) SMD Capacitor	100n	+10%	16V	X7R	Populated	Murata	GRM155R71C104KA88D	<a href="#">Datasheet</a>	
C10	016-00250	0603 (0201 EIA) SMD Capacitor	1u	+15%	6.3V	X5R	Populated	Murata	GRM033R60J105M	<a href="#">Datasheet</a>	
C11	016-00250	0603 (0201 EIA) SMD Capacitor	1u	+15%	6.3V	X5R	Populated	Murata	GRM033R60J105M	<a href="#">Datasheet</a>	
C12	016-00250	0603 (0201 EIA) SMD Capacitor	1u	+15%	6.3V	X5R	Populated	Murata	GRM033R60J105M	<a href="#">Datasheet</a>	
C13	016-00250	0603 (0201 EIA) SMD Capacitor	1u	+15%	6.3V	X5R	Populated	Murata	GRM033R60J105M	<a href="#">Datasheet</a>	
C7	016-00250	0603 (0201 EIA) SMD Capacitor	1u	+15%	6.3V	X5R	Populated	Murata	GRM033R60J105M	<a href="#">Datasheet</a>	
C8	016-00250	0603 (0201 EIA) SMD Capacitor	1u	+15%	6.3V	X5R	Populated	Murata	GRM033R60J105M	<a href="#">Datasheet</a>	
C9	016-00250	0603 (0201 EIA) SMD Capacitor	1u	+15%	6.3V	X5R	Populated	Murata	GRM033R60J105M	<a href="#">Datasheet</a>	
C28	016-00256	1005 (0402 EIA) SMD Capacitor	4u7	+20%	6.3V	X5R	Populated	Taiyo Yuden	JMK105BBJ475MV-F	<a href="#">Datasheet</a>	

C49	016-00256	1005 (0402 EIA) SMD Capacitor	4u7	±20%	6.3V	X5R	Populated	Taiyo Yuden	JMK105BBJ475MV-F	<a href="#">Datasheet</a>	
C14	016-00306	1608 (0603 EIA) SMD Capacitor	1u	±10%	10V	X7R	Populated	TDK	C1608X7R1A105K080AC	<a href="#">Datasheet</a>	
C15	016-00306	1608 (0603 EIA) SMD Capacitor	1u	±10%	10V	X7R	Populated	TDK	C1608X7R1A105K080AC	<a href="#">Datasheet</a>	
C29	016-00306	1608 (0603 EIA) SMD Capacitor	1u	±10%	10V	X7R	Populated	TDK	C1608X7R1A105K080AC	<a href="#">Datasheet</a>	
C30	016-00306	1608 (0603 EIA) SMD Capacitor	1u	±10%	10V	X7R	Populated	TDK	C1608X7R1A105K080AC	<a href="#">Datasheet</a>	
C4	016-00319	1005 (0402 EIA) SMD Capacitor	1u	±10%	6.3V	X5R	Populated	Kemet	C0402C105K9PACTU	<a href="#">Datasheet</a>	
C5	016-00319	1005 (0402 EIA) SMD Capacitor	1u	±10%	6.3V	X5R	Populated	Kemet	C0402C105K9PACTU	<a href="#">Datasheet</a>	
C6	016-00319	1005 (0402 EIA) SMD Capacitor	1u	±10%	6.3V	X5R	Populated	Kemet	C0402C105K9PACTU	<a href="#">Datasheet</a>	
R19	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R2	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R3	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R31	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R38	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R40	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R57	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R62	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R63	022-00147	1608 (0603 EIA) SMD Resistor	0R	Jumper	0.1W		Populated	Yageo	RC0603JR-070RL	<a href="#">Datasheet</a>	
R32	022-00199	1608 (0603 EIA) SMD Resistor	1K	±1%	0.1W		Populated	Yageo	RC0603FR-071KL	<a href="#">Datasheet</a>	
R33	022-00199	1608 (0603 EIA) SMD Resistor	1K	±1%	0.1W		Populated	Yageo	RC0603FR-071KL	<a href="#">Datasheet</a>	
R34	022-00199	1608 (0603 EIA) SMD Resistor	1K	±1%	0.1W		Populated	Yageo	RC0603FR-071KL	<a href="#">Datasheet</a>	
R11	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Populated	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R12	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Populated	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R13	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Populated	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R14	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Populated	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R17	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Populated	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R18	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Populated	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R4	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Populated	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R24	022-00210	1608 (0603 EIA) SMD Resistor	3K	±1%	0.1W		Populated	Yageo	RC0603FR-073KL	<a href="#">Datasheet</a>	
R25	022-00210	1608 (0603 EIA) SMD Resistor	3K	±1%	0.1W		Populated	Yageo	RC0603FR-073KL	<a href="#">Datasheet</a>	
R26	022-00210	1608 (0603 EIA) SMD Resistor	3K	±1%	0.1W		Populated	Yageo	RC0603FR-073KL	<a href="#">Datasheet</a>	
R15	022-00215	1608 (0603 EIA) SMD Resistor	4K7	±1%	0.1W		Populated	Yageo	RC0603FR-074K7L	<a href="#">Datasheet</a>	
R16	022-00215	1608 (0603 EIA) SMD Resistor	4K7	±1%	0.1W		Populated	Yageo	RC0603FR-074K7L	<a href="#">Datasheet</a>	
R10	022-00239	1608 (0603 EIA) SMD Resistor	47K	±1%	0.1W		Populated	Yageo	RC0603FR-0747KL	<a href="#">Datasheet</a>	
R46	022-00239	1608 (0603 EIA) SMD Resistor	47K	±1%	0.1W		Populated	Yageo	RC0603FR-0747KL	<a href="#">Datasheet</a>	
R48	022-00239	1608 (0603 EIA) SMD Resistor	47K	±1%	0.1W		Populated	Yageo	RC0603FR-0747KL	<a href="#">Datasheet</a>	
R9	022-00239	1608 (0603 EIA) SMD Resistor	47K	±1%	0.1W		Populated	Yageo	RC0603FR-0747KL	<a href="#">Datasheet</a>	
R45	022-00446	1005 (0402 EIA) SMD Resistor	1R	±1%	0.063W		Populated	Yageo	RC0402FR-071RL	<a href="#">Datasheet</a>	
R69	022-00453	1005 (0402 EIA) SMD Resistor	33R	±1%	0.063W		Populated	Yageo	RC0402FR-0733RL	<a href="#">Datasheet</a>	
R70	022-00453	1005 (0402 EIA) SMD Resistor	33R	±1%	0.063W		Populated	Yageo	RC0402FR-0733RL	<a href="#">Datasheet</a>	
R71	022-00453	1005 (0402 EIA) SMD Resistor	33R	±1%	0.063W		Populated	Yageo	RC0402FR-0733RL	<a href="#">Datasheet</a>	
R74	022-00453	1005 (0402 EIA) SMD Resistor	33R	±1%	0.063W		Populated	Yageo	RC0402FR-0733RL	<a href="#">Datasheet</a>	
R75	022-00453	1005 (0402 EIA) SMD Resistor	33R	±1%	0.063W		Populated	Yageo	RC0402FR-0733RL	<a href="#">Datasheet</a>	
R76	022-00453	1005 (0402 EIA) SMD Resistor	33R	±1%	0.063W		Populated	Yageo	RC0402FR-0733RL	<a href="#">Datasheet</a>	
R51	022-00455	1005 (0402 EIA) SMD Resistor	39R	±1%	0.063W		Populated	Yageo	RC0402FR-0739RL	<a href="#">Datasheet</a>	
R52	022-00455	1005 (0402 EIA) SMD Resistor	39R	±1%	0.063W		Populated	Yageo	RC0402FR-0739RL	<a href="#">Datasheet</a>	
R36	022-00461	1005 (0402 EIA) SMD Resistor	100R	±1%	0.063W		Populated	Yageo	RC0402FR-07100RL	<a href="#">Datasheet</a>	
R42	022-00463	1005 (0402 EIA) SMD Resistor	150R	±1%	0.063W		Populated	Yageo	RC0402FR-07150RL	<a href="#">Datasheet</a>	
R55	022-00467	1005 (0402 EIA) SMD Resistor	300R	±1%	0.063W		Populated	Yageo	RC0402FR-07300RL	<a href="#">Datasheet</a>	
R37	022-00473	1005 (0402 EIA) SMD Resistor	620R	±1%	0.063W		Populated	Yageo	RC0402FR-07620RL	<a href="#">Datasheet</a>	
R39	022-00473	1005 (0402 EIA) SMD Resistor	620R	±1%	0.063W		Populated	Yageo	RC0402FR-07620RL	<a href="#">Datasheet</a>	
R47	022-00474	1005 (0402 EIA) SMD Resistor	680R	±1%	0.063W		Populated	Yageo	RC0402FR-07680RL	<a href="#">Datasheet</a>	
R41	022-00476	1005 (0402 EIA) SMD Resistor	1K	±1%	0.063W		Populated	Yageo	RC0402FR-071KL	<a href="#">Datasheet</a>	
R35	022-00481	1005 (0402 EIA) SMD Resistor	2K2	±1%	0.063W		Populated	Yageo	RC0402FR-072K2L	<a href="#">Datasheet</a>	
R50	022-00489	1005 (0402 EIA) SMD Resistor	6K8	±1%	0.063W		Populated	Yageo	RC0402FR-076K8L	<a href="#">Datasheet</a>	
R43	022-00493	1005 (0402 EIA) SMD Resistor	10K	±1%	0.063W		Populated	Yageo	RC0402FR-0710KL	<a href="#">Datasheet</a>	
R49	022-00493	1005 (0402 EIA) SMD Resistor	10K	±1%	0.063W		Populated	Yageo	RC0402FR-0710KL	<a href="#">Datasheet</a>	
R72	022-00493	1005 (0402 EIA) SMD Resistor	10K	±1%	0.063W		Populated	Yageo	RC0402FR-0710KL	<a href="#">Datasheet</a>	
R8	022-00493	1005 (0402 EIA) SMD Resistor	10K	±1%	0.063W		Populated	Yageo	RC0402FR-0710KL	<a href="#">Datasheet</a>	
R44	022-00509	1005 (0402 EIA) SMD Resistor	51K	±1%	0.063W		Populated	Yageo	RC0402FR-0751KL	<a href="#">Datasheet</a>	
R59	022-00515	1005 (0402 EIA) SMD Resistor	100K	±1%	0.063W		Populated	Yageo	RC0402FR-07100KL	<a href="#">Datasheet</a>	
R60	022-00515	1005 (0402 EIA) SMD Resistor	100K	±1%	0.063W		Populated	Yageo	RC0402FR-07100KL	<a href="#">Datasheet</a>	
R64	022-00515	1005 (0402 EIA) SMD Resistor	100K	±1%	0.063W		Populated	Yageo	RC0402FR-07100KL	<a href="#">Datasheet</a>	
R65	022-00531	1005 (0402 EIA) SMD Resistor	1M	±1%	0.063W		Populated	Yageo	RC0402FR-071ML	<a href="#">Datasheet</a>	
R20	022-00579	1005 (0402 EIA) SMD Resistor	0R	Jumper	0.063W		Populated	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R21	022-00579	1005 (0402 EIA) SMD Resistor	0R	Jumper	0.063W		Populated	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R53	022-00579	1005 (0402 EIA) SMD Resistor	0R	Jumper	0.063W		Populated	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R54	022-00579	1005 (0402 EIA) SMD Resistor	0R	Jumper	0.063W		Populated	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R56	022-00579	1005 (0402 EIA) SMD Resistor	0R	Jumper	0.063W		Populated	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R61	022-00579	1005 (0402 EIA) SMD Resistor	0R	Jumper	0.063W		Populated	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R68	022-00579	1005 (0402 EIA) SMD Resistor	0R	Jumper	0.063W		Populated	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R28	022-00803	2012 (0805 EIA) SMD Resistor	0R2	±1%	0.25W		Populated	Vishay	WSL0805R2000FEA18	<a href="#">Datasheet</a>	

R29	022-00803	2012 (0805 EIA) SMD Resistor	OR2	±1%	0.25W		Populated	Vishay	WSL0805R2000FEA18	<a href="#">Datasheet</a>	
R30	022-00803	2012 (0805 EIA) SMD Resistor	OR2	±1%	0.25W		Populated	Vishay	WSL0805R2000FEA18	<a href="#">Datasheet</a>	
L1	032-00021	3030 (1212 EIA) SMD Inductor	10u	±20%	Isat=0.63A		Populated	TDK	VLS3010ET-100M	<a href="#">Datasheet</a>	
L2	034-00001	1608 (0603 EIA) SMD Ferrite Bead	220R @100MHz	±25%	2A		Populated	TDK	MPZ1608S221ATA00	<a href="#">Datasheet</a>	
D1	043-00010	1608 (0603 EIA) SMD LED	GREEN		Vf=2V1		Populated	Kingbright	KPG-1608CGKC-T	<a href="#">Datasheet</a>	
D2	043-00013	1608 (0603 EIA) SMD LED	RED		Vf=2V		Populated	Kingbright	KPG-1608SURKC-T	<a href="#">Datasheet</a>	
Q1	052-00012	N-Channel MOSFET SC70-6	FDG327N		20V 1.5A		Populated	Fairchild Semiconductor	FDG327N	<a href="#">Datasheet</a>	
Q2	052-00012	N-Channel MOSFET SC70-6	FDG327N		20V 1.5A		Populated	Fairchild Semiconductor	FDG327N	<a href="#">Datasheet</a>	
Q3	052-00012	N-Channel MOSFET SC70-6	FDG327N		20V 1.5A		Populated	Fairchild Semiconductor	FDG327N	<a href="#">Datasheet</a>	
Q4	052-00012	N-Channel MOSFET SC70-6	FDG327N		20V 1.5A		Populated	Fairchild Semiconductor	FDG327N	<a href="#">Datasheet</a>	
Y1	062-00005	XTAL 12MHz 12pF SM FA-238V	12MHz				Populated	Epson	FA-238V 12.0000MB-W3	<a href="#">Datasheet</a>	
U14	064-00002	Crystal Oscillator 12.288MHz 3.3V HC536R-12.288 SMD	12.288MHz				Populated	Fox Electronics	FXO-HC536R-12.288	<a href="#">Datasheet</a>	
J1	071-00001	4mm 16A Right Angled PCB Banana Socket	BLACK		16A		Populated	Hirschmann	973582100	<a href="#">Datasheet</a>	
J5	071-00001	4mm 16A Right Angled PCB Banana Socket	BLACK		16A		Populated	Hirschmann	973582100	<a href="#">Datasheet</a>	
J2	071-00002	4mm 16A Right Angled PCB Banana Socket	RED		16A		Populated	Hirschmann	973582101	<a href="#">Datasheet</a>	
J3	071-00002	4mm 16A Right Angled PCB Banana Socket	RED		16A		Populated	Hirschmann	973582101	<a href="#">Datasheet</a>	
J4	071-00002	4mm 16A Right Angled PCB Banana Socket	RED		16A		Populated	Hirschmann	973582101	<a href="#">Datasheet</a>	
J21	071-00009	MINI USB Type B Surface Mount Right Angle PCB Socket	USB - mini B				Populated	TE Connectivity	1734035-2	<a href="#">Datasheet</a>	
J14	071-00044	3.5mm Right Angle PCB Jack Socket with Chassis	ST-3009H-02(SL)				Populated	Dragon City	ST-3009H-02(SL)	<a href="#">Datasheet</a>	
J10	071-00070	3.5mm Right Angle Audio Jack with Isolation Switch	2SJ3082-003111F		1A 12V		Populated	Singatron Enterprise	2SJ3082-003111F	<a href="#">Datasheet</a>	
J15	072-00002	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S				Populated	Samtec	TSW-102-07-G-S	<a href="#">Datasheet</a>	
J22	072-00002	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S				Populated	Samtec	TSW-102-07-G-S	<a href="#">Datasheet</a>	
J24	072-00002	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S				Populated	Samtec	TSW-102-07-G-S	<a href="#">Datasheet</a>	
J11	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J12	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J13	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J19	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J20	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J25	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J26	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J6	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J7	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J8	072-00003	1x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-S				Populated	Samtec	TSW-103-07-G-S	<a href="#">Datasheet</a>	
J28	072-00052	2x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-D				Populated	Samtec	TSW-103-07-G-D	<a href="#">Datasheet</a>	
J27	072-00157	3x4 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-104-07-G-T				Populated	Samtec	TSW-104-07-G-T	<a href="#">Datasheet</a>	
S1	074-00001	SPST-NO SMD Switch	SPST-NO				Populated	Omron	B3S-1000	<a href="#">Datasheet</a>	
S2	074-00001	SPST-NO SMD Switch	SPST-NO				Populated	Omron	B3S-1000	<a href="#">Datasheet</a>	
TP1	078-00004	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46	<a href="#">Datasheet</a>	
TP2	078-00004	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46	<a href="#">Datasheet</a>	
TP3	078-00004	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46	<a href="#">Datasheet</a>	
TP4	078-00004	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46	<a href="#">Datasheet</a>	
TP5	078-00004	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46	<a href="#">Datasheet</a>	
TP6	078-00004	SMT PCB Test Terminal	SMT				Populated	Harwin	S1751-46	<a href="#">Datasheet</a>	
U6	081-00001	LP3878 1.0-5.5V 800mA Low Noise Adjustable Voltage Regulator	LP3878-ADJ		1V-5V5 0A8		Populated	National Semiconductor	LP3878MR-ADJ	<a href="#">Datasheet</a>	
U7	081-00001	LP3878 1.0-5.5V 800mA Low Noise Adjustable Voltage Regulator	LP3878-ADJ		1V-5V5 0A8		Populated	National Semiconductor	LP3878MR-ADJ	<a href="#">Datasheet</a>	
U8	081-00005	LP3871 3.3V 800mA Fast Ultra Low Dropout Linear Regulator	LP3871		3V3 0A8		Populated	National Semiconductor	LP3871EMP-3.3/NOPB	<a href="#">Datasheet</a>	
U11	083-00001	TPS3820-33DBVT Processor Supervisory Circuit SOT23-5	TPS3820				Populated	Texas Instruments	TPS3820-33DBVT	<a href="#">Datasheet</a>	
U9	083-00002	XC61CN Series Voltage Detector SOT23	XC61CN4502		4V5		Populated	Torex	XC61CN4502MRN	<a href="#">Datasheet</a>	
U1	091-00183	Cadlie WLCSPP32	DA7219				Populated	Dialog Semiconductor	DA7219	<a href="#">Datasheet</a>	
U13	094-00009	Dual-Bit Dual-Supply Bus Transceiver with 3-State Outputs	SN74AVC2T45				Populated	Texas Instruments	SN74AVC2T45DCTR	<a href="#">Datasheet</a>	
U12	094-00019	Audio Codec AC97 Voltage-Translation Transceiver	SN74AVC6T622				Populated	Texas Instruments	SN74AVC6T622PWR	<a href="#">Datasheet</a>	
U10	095-00002	ARM-Based Flash MCU	SAM3U4E				Populated	Atmel	ATSAM3U4EA-CU	<a href="#">Datasheet</a>	
U5	098-00030	Octal I2C Voltage, Current and Temperature Monitor	LTC2991				Populated	Linear Technology	LTC2991CMS-PBF	<a href="#">Datasheet</a>	
U2	098-00031	Voltage Output, High or Low Side Measurement, Bi-Directional Zero-Drift Series Current-Shunt Monitor	INA214				Populated	Texas Instruments	INA214AIDCKT	<a href="#">Datasheet</a>	
U3	098-00031	Voltage Output, High or Low Side Measurement, Bi-Directional Zero-Drift Series Current-Shunt Monitor	INA214				Populated	Texas Instruments	INA214AIDCKT	<a href="#">Datasheet</a>	
U4	098-00031	Voltage Output, High or Low Side Measurement, Bi-Directional Zero-Drift Series Current-Shunt Monitor	INA214				Populated	Texas Instruments	INA214AIDCKT	<a href="#">Datasheet</a>	
UNPOP											
R1	022-00156	1608 (0603 EIA) SMD Resistor	16R	±1%	0.1W		Unpop	Yageo	RC0603FR-0716RL	<a href="#">Datasheet</a>	
R22	022-00156	1608 (0603 EIA) SMD Resistor	16R	±1%	0.1W		Unpop	Yageo	RC0603FR-0716RL	<a href="#">Datasheet</a>	
R5	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Unpop	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R6	022-00207	1608 (0603 EIA) SMD Resistor	2K2	±1%	0.1W		Unpop	Yageo	RC0603FR-072K2L	<a href="#">Datasheet</a>	
R7	022-00270	1608 (0603 EIA) SMD Resistor	1M	±1%	0.1W		Unpop	Yageo	RC0603FR-071ML	<a href="#">Datasheet</a>	
R58	022-00451	1005 (0402 EIA) SMD Resistor	10R	±1%	0.063W		Unpop	Yageo	RC0402FR-0710RL	<a href="#">Datasheet</a>	
R23	022-00579	1005 (0402 EIA) SMD Resistor	OR	Jumper	0.063W		Unpop	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R27	022-00579	1005 (0402 EIA) SMD Resistor	OR	Jumper	0.063W		Unpop	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R66	022-00579	1005 (0402 EIA) SMD Resistor	OR	Jumper	0.063W		Unpop	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R67	022-00579	1005 (0402 EIA) SMD Resistor	OR	Jumper	0.063W		Unpop	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
R73	022-00579	1005 (0402 EIA) SMD Resistor	OR	Jumper	0.063W		Unpop	Yageo	RC0402JR-070RL	<a href="#">Datasheet</a>	
J17	072-00002	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S				unpop	Samtec	TSW-102-07-G-S	<a href="#">Datasheet</a>	
J18	072-00002	1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-102-07-G-S				unpop	Samtec	TSW-102-07-G-S	<a href="#">Datasheet</a>	
J23	072-00052	2x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-D				Unpop	Samtec	TSW-103-07-G-D	<a href="#">Datasheet</a>	

J9	072-00052	2x3 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-103-07-G-D				Unpop	Samtec	TSW-103-07-G-D	<a href="#">Datasheet</a>	
J16	072-00054	2x5 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail)	TSW-105-07-G-D				Unpop	Samtec	TSW-105-07-G-D	<a href="#">Datasheet</a>	
PB1	994-00002	Unpop 1.00mm Round SMT Test Point	SMT Pad 1.00mm				Unpop				
PB2	994-00002	Unpop 1.00mm Round SMT Test Point	SMT Pad 1.00mm				Unpop				
PB3	994-00002	Unpop 1.00mm Round SMT Test Point	SMT Pad 1.00mm				Unpop				
PB4	994-00002	Unpop 1.00mm Round SMT Test Point	SMT Pad 1.00mm				Unpop				
PB5	994-00002	Unpop 1.00mm Round SMT Test Point	SMT Pad 1.00mm				Unpop				
PB7	994-00002	Unpop 1.00mm Round SMT Test Point	SMT Pad 1.00mm				Unpop				
SP1	996-00001	Unpop Shorting Point	Open				Unpop				