Comment	Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier 2	Supplier 3	Manufacturer 1	Manufacturer Part Number 1	Supplier Part Number 1	Supplier Part Number 2	Supplier Part Number 3
PRPC003SGAN-M71RC	Header, 1x3Pin, Pitch 2.54mm, Male, Horizontal, THT	BAT1	HD254_1x3_MH	CMP-002-00172-18	1	Digikey			Sullins	PRPC003SGAN-M71RC	St1311EC-03-ND		
PRPC003SGAN-M71RC	Header, 1x3Pin, Pitch 2.54mm, Male, Horizontal, THT	BAT2	HD254_1x3_MH	CMP-002-00172-18	1	Digikey			Sullins	PRPC003SGAN-M71RC	St1311EC-03-ND		
100nF/50V	Cap MLCC, 100nF, 50V, X7R, 10%, 0402	C1	CAPC1005X05L	CMP-001-00067-18	1	Avnet	Newark	Future Electronics	TDK	C1005X7R1H104K050BB	04X3230	04X3230	1072787
10uF/50V	Cap MLCC, 10uF, 50V, X7R, 20%, 1210	C2	CAPC3225X25L	CMP-00032-8	1	Digikey	Digikey	Digikey	Samsung	CL32B106KBJNNNE	1276-3387-1-ND	1276-3387-2-ND	1276-3387-6-ND
10uF/50V	Cap MLCC, 10uF, 50V, X7R, 20%, 1210	C3	CAPC3225X25L	CMP-00032-8	1	Digikey	Digikey	Digikey	Samsung	CL32B106KBJNNNE	1276-3387-1-ND	1276-3387-2-ND	1276-3387-6-ND
15pF/50V	Cap MLCC, 15pF, 50V, C0G, 5%, 0402	C4	CAPC1005X05L	CMP-00153-5	1	Avnet	Arrow Electronics	Avnet	Kyocera AVX	04025A150FAT2A	04025A150FAT2A	04025A150JAT2A	04025A150JAT2A
47uF/16V	Cap MLCC, 47uF, 16V, X5R, 20%, 1210	C5	CAPC3225X25L	CMP-001-00097-16	1	Newark	Newark	Rs	KEMET	C1210C476M4PACTU	05AC8208	08X8565	1466311
47uF/16V	Cap MLCC, 47uF, 16V, X5R, 20%, 1210	C6	CAPC3225X25L	CMP-001-00097-16	1	Newark	Newark	Rs	KEMET	C1210C476M4PACTU	05AC8208	08X8565	1466311
47uF/16V	Cap MLCC, 47uF, 16V, X5R, 20%, 1210	C7	CAPC3225X25L	CMP-001-00097-16	1	Newark	Newark	Rs	KEMET	C1210C476M4PACTU	05AC8208	08X8565	1466311
100nF/50V	Cap MLCC, 100nF, 50V, X7R, 10%, 0402	C8	CAPC1005X05L	CMP-001-00067-18	1	Avnet	Newark	Future Electronics	TDK	C1005X7R1H104K050BB	04X3230	04X3230	1072787
22nF/50V	Cap MLCC, 22nF, 50V, X7R, 10%, 0402	C9	CAPC1005X05L	CMP-001-00062-18	1	Digikey	Digikey	Digikey	Samsung	CL05B223KB5NNNC	1276-CL05B223KB5NNNCCT-ND	1276-CL05B223KB5NNNCDKR-ND	1276-CL05B223KB5NNNCTR-ND
100nF/50V	Cap MLCC, 100nF, 50V, X7R, 10%, 0402	C10	CAPC1005X05L	CMP-001-00067-18	1	Avnet	Newark	Future Electronics	TDK	C1005X7R1H104K050BB	04X3230	04X3230	1072787
100nF/50V	Cap MLCC, 100nF, 50V, X7R, 10%, 0402	C11	CAPC1005X05L	CMP-001-00067-18	1	Avnet	Newark	Future Electronics	TDK	C1005X7R1H104K050BB	04X3230	04X3230	1072787
10uF/50V	Cap MLCC, 10uF, 50V, X7R, 20%, 1210	C12	CAPC3225X25L	CMP-00032-8	1	Digikey	Digikey	Digikey	Samsung	CL32B106KBJNNNE	1276-3387-1-ND	1276-3387-2-ND	1276-3387-6-ND
100nF/50V	Cap MLCC, 100nF, 50V, X7R, 10%, 0402	C13	CAPC1005X05L	CMP-001-00067-18	1	Avnet	Newark	Future Electronics	TDK	C1005X7R1H104K050BB	04X3230	04X3230	1072787
SMF15CA	TVS Diode, bidirectional, 15V, 8.2A, 200W, SOD-123FL-2	D1	SODFL370X110-2L	CMP-004-00062-15	1	Digikey	Digikey	Digikey	Littelfuse	SMF15CA	18-SMF15CACT-ND	18-SMF15CADKR-ND	18-SMF15CATR-ND
1210L050YR	Resettable Fuse, Ihold 500mA, Itrip 1A, 13.2V, 1210	F1	FUSER3225X08L	CMP-00093-10	1	Future Electronics	Arrow Electronics	Farnell	Littelfuse	1210L050YR	1157241	1210L050YR	1822208
MPT0.5/2-2.54-1725656	Wire to Board, Screw, 2 Pin, Pitch 2.54mm, 6A, 160V, Horizontal, THT, L6.2B5.54H12	J1	PHOENIX_1725656	CMP-070-000011-17	1	Arrow Electronics	Rs	Digikey	Phoenix Contact	1725656	1725656	2204260	277-1273-ND
MPT0.5/2-2.54-1725656	Wire to Board, Screw, 2 Pin, Pitch 2.54mm, 6A, 160V, Horizontal, THT, L6.2B5.54H12	J2	PHOENIX_1725656	CMP-070-000011-17	1	Arrow Electronics	Rs	Digikey	Phoenix Contact	1725656	1725656	2204260	277-1273-ND
MPT0.5/2-2.54-1725656	Wire to Board, Screw, 2 Pin, Pitch 2.54mm, 6A, 160V, Horizontal, THT, L6.2B5.54H12	J3	PHOENIX_1725656	CMP-070-000011-17	1	Arrow Electronics	Rs	Digikey	Phoenix Contact	1725656	1725656	2204260	277-1273-ND
RASM722X	Barrel Power Jack, 3 Pin, Male, 5A, 250V, Horizontal, SMD, L14.4B9H11, Diameter 2.0/5.5mm	J4	SWITCHCRAFT_RASM722X	CMP-002-00013-23	1	Farnell	Rs	Mouser	Switchcraft	RASM722X	1608728	2508414977	502-RASM722X
MPT0.5/2-2.54-1725656	Wire to Board, Screw, 2 Pin, Pitch 2.54mm, 6A, 160V, Horizontal, THT, L6.2B5.54H12	J5	PHOENIX_1725656	CMP-070-000011-17	1	Arrow Electronics	Rs	Digikey	Phoenix Contact	1725656	1725656	2204260	277-1273-ND
SRP7050TA-5R6M	Coil, 5.6uH, 49mR, 6A, 20%, 6A, 2626	L1	INDP7366X50L	CMP-006-00040-7	1	Farnell	Farnell	Newark	Bourns	SRP7050TA-5R6M	2493896	2493896RL	33A4526
LTST-C190KRKT	LED, Red, 20mA, 2.0V, 0603	LED1	LEDSC160X80-2Lrd	CMP-007-00024-16	1	Digikey	Digikey	Digikey	Vishay Lite-On	LTST-C190KRKT	160-1436-1-ND	160-1436-2-ND	160-1436-6-ND
LTST-C190KRKT	LED, Red, 20mA, 2.0V, 0603	LED2	LEDSC160X80-2Lrd	CMP-007-00024-16	1	Digikey	Digikey	Digikey	Vishay Lite-On	LTST-C190KRKT	160-1436-1-ND	160-1436-2-ND	160-1436-6-ND
9.1kR	Res, 9.1kR, 1%, 0.1W, 0603	R1	RESC1608X06L	CMP-009-00472-1	1	Farnell	Farnell	Future Electronics	Vishay	CRCW06039K10FKEA	1469842	1469842RL	1644525
100kR	Res, 100kR, 1%, 0.1W, 0603	R2	RESC1608X06L	CMP-009-00023-30	1	Future Electronics	Future Electronics	Digikey	Panasonic	ERJ-3EKF1003V	1028514	1113627	13-RC0603FR-13100KLCT-ND
9.1kR	Res, 9.1kR, 1%, 0.1W, 0603	R3	RESC1608X06L	CMP-009-00472-1	1	Farnell	Farnell	Future Electronics	Vishay	CRCW06039K10FKEA	1469842	1469842RL	1644525
100kR	Res, 100kR, 1%, 0.1W, 0603	R4	RESC1608X06L	CMP-009-00023-30	1	Future Electronics	Future Electronics	Digikey	Panasonic	ERJ-3EKF1003V	1028514	1113627	13-RC0603FR-13100KLCT-ND
10R	Res, 10R, 1%, 0.063W, 0402	R5	RESC1005X04L	CMP-009-00152-29	1	Future Electronics	Future Electronics	Farnell	Vishay Dale	CRCW040210R0FKTD	1044163	1168652	1652742
47kR	Res, 47kR, 1%, 0.063W, 0402	R6	RESC1005X04L	CMP-009-00137-31	1	Future Electronics	Farnell	Farnell	Panasonic	ERJ-2RKF4702X	1043525	1469719	1469719RL
33kR	Res, 33kR, 1%, 0.063W, 0402	R7	RESC1005X04L	CMP-009-00028-32	1	Future Electronics	Future Electronics	Digikey	Yageo	RC0402FR-0733KL	1122634	1142995	13-RC0402FR-1333KLCT-ND
5.6kR	Res, 5.6kR, 1%, 0.063W, 0402	R8	RESC1005X04L	CMP-009-00136-30	1	Digikey	Digikey	Digikey	Yageo	RT0402FRE075K6L	13-RT0402FRE075K6LCT-ND	13-RT0402FRE075K6LDKR-ND	13-RT0402FRE075K6LTR-ND
3.3kR	Res, 3.3kR, 1%, 0.063W, 0402	R9	RESC1005X04L	CMP-009-00085-21	1	Future Electronics	Newark	Newark	Panasonic	ERJ-2RKF3301X	1124151	12AC2069	13AC3407
100kR	Res, 100kR, 1%, 0.1W, 0402	R10	RESC1005X04L	CMP-009-00022-33	1	Digikey	Digikey	Digikey	Panasonic	ERJ-H2RF1003X	10-ERJ-H2RF1003XCT-ND	10-ERJ-H2RF1003XDKR-ND	10-ERJ-H2RF1003XTR-ND
47kR	Res, 47kR, 1%, 0.063W, 0402	R11	RESC1005X04L	CMP-009-00137-31	1	Future Electronics	Farnell	Farnell	Panasonic	ERJ-2RKF4702X	1043525	1469719	1469719RL
10kR	Res, 10kR, 1%, 0.1W, 0402	R12	RESC1005X04L	CMP-009-00149-32	1	Digikey	Digikey	Digikey	Panasonic	ERJ-U02F1002X	10-ERJ-U02F1002XCT-ND	10-ERJ-U02F1002XDKR-ND	10-ERJ-U02F1002XTR-ND
SIRA64DP	MOSFET N-Enh, 30V, 60A, 100Ap, 2.1mR, 27.8W, SO-8	T1	SON127P620X110-9T400X365L	CMP-013-00069-15	1	Farnell	Farnell	Future Electronics	Vishay	SIRA64DP-T1-GE3	4246975	4246975RL	5094702
SIRA64DP	MOSFET N-Enh, 30V, 60A, 100Ap, 2.1mR, 27.8W, SO-8	T2	SON127P620X110-9T400X365L	CMP-013-00069-15	1	Farnell	Farnell	Future Electronics	Vishay	SIRA64DP-T1-GE3	4246975	4246975RL	5094702
BTS4142N	High-Side Switch, 1 Ch, 12..45V, 1.4A, SOT-223-4	U1	SOT230P700X180-4L	CMP-013-00047-18	1	Conrad	Rs	Future Electronics	Infineon	BTS4142NHUMA1	1183546	1787478	2060642
MP1496SGJ-x	Buck Converter, 0.8..15.2V, 2A, 4.5..16Vin, TSOP-8	U2	TSOP65P280X100-8L	CMP-00363-5	1	Digikey	Digikey	Digikey	Monolithic Power Systems	MP1496SGJ-P	1589-1028-2-ND	1589-1851-1-ND	1589-1851-2-ND
SZMM5Z13VT1G	Zener Diode, 13.25V±0.85V, 5mA, 30R, 500mW, SOD-523-2	ZD1	SODFL160X70-2L	CMP-004-00080-13	1	Future Electronics	Farnell	Farnell	ON Semiconductor	SZMM5Z13VT1G	1092266	3368168	3368168RL
SZMM5Z13VT1G	Zener Diode, 13.25V±0.85V, 5mA, 30R, 500mW, SOD-523-2	ZD2	SODFL160X70-2L	CMP-004-00080-13	1	Future Electronics	Farnell	Farnell	ON Semiconductor	SZMM5Z13VT1G	1092266	3368168	3368168RL