





Comment	Description	Designator	Footprint	LibRef	Quantity
10uF(0603 in)	10uF ±10% 25V Ceramic Capacitor XSR 0603 (1608 Metric)	C1, C3, C4, C5, C6, C9, C10, C11, C14, C16	Capacitor_0603	GRM188R61E106KA73D	10
22uF(10V)	22 uF ±10% 10V Ceramic Capacitor XSR 0805 (2012 Metric)	C2	Capacitor_0805	CL21A226KPCLRNC	1
0.1uF(25V)	±5% 25V Ceramic Capacitor X7R 0603 (1608 Metric)	C7, C12, C15, C17	Capacitor_0603	C0603C104J3RAC7411	4
47nF(25V)	0.047 uF ±5% 25V Ceramic Capacitor X7R 0603 (1608 Metric)	C8	Capacitor_0603	C0603C473J3RACAUTO	1
4.7uF(10V)	4.7 uF ±10% 10V Ceramic Capacitor XSR 0603 (1608 Metric)	C13	Capacitor_0603	0603ZD475KAT2A	1
LED_BLUE	Blue 465–475nm 0603 Light Emitting Diodes (LED) ROHS	D1	0603_LED	BHC-ZL1M2RY/3T	1
NSR10F20NXT5G	Diode Schottky 20 V 1A (DC) Surface Mount 2-DSN (1.4x0.6)	D2	NSR10F20NXT5G	NSR10F20NXT5G	1
PEC02SAAN	Connector Header Through Hole 2 position 0.100" (2.54mm)	J1, J2, J4, J6, J7, J8	P2.541X2HDR	PEC02SAAN	6
MicroUSB	USB - micro B USB 2.0 Receptacle Connector 5 Position Surface Mount, Right Angle: Through Hole	J3	Micro USB	629105150521	1
1x4HDR	Connector Header Through Hole 4 position 0.100" (2.54mm)	J5	P2.541X4HDR	PEC04SAAN	1
UJ2-AH-4-TH	USB-A (USB TYPE-A) USB 2.0 Receptacle Connector 4 Position Through Hole, Right Angle	J9, J10	CUI_UJ2-AH-4-TH	UJ2-AH-4-TH	2
1uH	FIXED IND 1uH 6A 16 MOHMSMD	L1	VLS6045EX-1R0N	VLS6045EX-1R0N	1
Mounting Hole	3.3mm Mounting Hole	MH1, MH2, MH3, MH4	Mounting_Hole_3.3mm	3MM_MOUNTING_HOLE	4
10K	10 kOhms ±5% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	R1, R2, R3, R4, R8, R11	RESISTOR0603	RMCF0603JT10K0	6
5.23K(1%)	5.23 kOhms ±1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	R5	RESISTOR0603	RMCF0603FT5K23	1
100R(0603 in)	100 Ohms ±5% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Thick Film	R6	RESISTOR0603	GRCW0603100RINEAC	1
0R(0603 in)	0 Ohms ±5% 0.063W, 1/16W Chip Resistor 0603 (1608 Metric) Thick Film	R7	RESISTOR0603	SR1-0603-000	1
30.1K(1%)	30.1 kOhms ±1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	R9	RESISTOR0603	RMCF0603FG30K1	1
261R(1%)	Thick Film Resistors 0603 261ohm 1% Anti-Surge AEC-Q200	R10	RESISTOR0603	ERJ-PA3F2610V	1
SWITCH	Tactile Switch SPST- NO Top Actuated Surface Mount	SW1	PushButton nf	TL1105DF160Q	1
Test Pad	2mm Diameter test point	TP1, TP2, TP3, TP4, TP5, TP6	TestPoint	TestPoint	6
BQ25895RTWR	Charger IC Lithium Ion/Polymer 24- WOFN (4x4)	U1	24-WOFN	BQ25895RTWR	1