



Comment	Description	Designator	Footprint	Libref	Quantity
C0603 100f 100V X7R	CAP CER 1000PF 100V X7R 0603	C1	C0603-IPC	C0603 100f 100V X7R	1
C0603 100pf 50V X7R	100pF ±10% 50V Ceramic Capacitor 0603 (1408 Metric)	C2	C0603-HIGH-DENSITY	C0603 100pf 50V X7R	1
C0603 1uF 25V X7R	CAP CER 1UF 25V X7R 0603	C3, C4, C5, C13, C14	C0603-IPC	C0603 1uF 25V X7R	5
C0603 100nf 50V X7R	CAP CER 0.1UF 50V X7R 0603	C6, C10	C0603-IPC	C0603 100nf 50V X7R	2
U8RTH50M2AGS	47uF ±20% 50V SMD 6.3x7.7mm Aluminum Electrolytic Capacitors - SMD	C7, C8	C-SMD-Polarized	C-SMD 47uF 50V Electrolytic	2
C0603 22uF 25V X0R	22uF Capacitor 0603 25V X0R	C9, C11, C12	C0603-IPC	C0603 22uF 10V X0R	3
GLJ130C_R1_10001	100V 1000W Mini-MELZ Zener Diodes	D1	Mini-MELZ Zener	GLJ130C_R1_10001	1
D55-#	40V 5A 50mV @ 5A 2MM Schottky Barrier Diodes (SMD) 0605	D2	2MM - 5504F	D55-#	1
S0F22A	Unidirectional Zener 24 4V 35.5V 5.6A SOD-123F 761 Reel	D3	SOD-123F	S0F22A	1
RV	LED GREEN CLEAR 0603 SMD	D4	LED0603-IPC	LED 0603 Green	1
12V	LED GREEN CLEAR 0603 SMD	D5	LED0603-IPC	LED 0603 Green	1
15V	LED GREEN CLEAR 0603 SMD	D6	LED0603-IPC	LED 0603 Green	1
20V	LED GREEN CLEAR 0603 SMD	D7	LED0603-IPC	LED 0603 Green	1
VIN_LED	LED GREEN CLEAR 0603 SMD	D8	LED0603-IPC	LED 0603 Green	1
V9RC_LED	LED GREEN CLEAR 0603 SMD	D9	LED0603-IPC	LED 0603 Green	1
ISOA26L	Small Signal Array for ISO Protection in SOT23 3 Vcr - 25V	D10	SOT23-3L	ISOA26L	1
F1C1206-2150F5	Chip Lead Free Resistor 15A 2 5mm 0.05mm Surface Mount Resistors	F1, F2	F1206-15A	F1206 15A	2
DC-04QC-2.5	DC Power Receptacle Jack 5A 2.5mm DIP AC/DC Power Plugs & Receptacles	J1	DC-04QC-2.5 TH1 5MMH1 JACK	DC Barrel Jack 2.5 x 5.5mm TH1	1
Phoenix Contact 1935161	Terminal Block, 2 Positions, 5mm pitch, 18A, 300V, 12, 26, AWG5	J2	Phoenix_1935161	Term Block 2pos	1
USB-C	USB-C USB 3.1 Gen 2 SuperSpeed+ Receptacle Connector 24 Position Surface Mount, Right Angle Through Hole	J3	Molex USB-C	USB-C	1
TMFA1206SP-1000M-D	10uF ±20% 10 5A 1% Low Inductance SMD 12.5x12.5x5.7mm Power Inductors 0605	L1	TMFA1206SP-1000M-D	TMFA1206SP-1000M-D	1
ADN17401	µChannel 30V 12A (1A), 35A (1Q 3 1W) (1A), 2W (1Q Surface Mount 1.67W (1Q)	Q1, Q2, Q3	DFN3x3A_B_FP1_P	ADN17401	3
R0603 10K 1%	RES SMD 10K OHM 1% 1/10W 0603	R1, R8, R20	R0603-IPC-10K	R0603 10K 1%	3
R0603 0	RES SMD 0 OHM 0.5% 1/10W 0603	R2, R6, R20, R31	R0603-IPC	R0603 0	4
R0603 100K 1%	RES SMD 10K OHM 1% 1/10W 0603	R3, R14	R0603-IPC	R0603 100K 1%	2
R0603 33K 1%	RES 33K OHM 1% 1/10W 0603	R4	R0603-IPC	R0603 33K 1%	1
R0603 33K 1%	RES SMD 33K OHM 1% 1/10W 0603	R5, R19	R0603-IPC	R0603 33K 1%	2
R0603 1K 1%	RES SMD 1K OHM 1% 1/10W 0603	R7, R15, R16, R17, R18, R21, R22, R23, R25, R26	R0603-IPC-1K	R0603 1K 1%	10
RES 1.87K SMD	Chip Resistor 0603 1.87k ohms, 1%, 1/10 W	R9	R0603-IPC-1.87k	R0603 1.87k 1%	1
R0603 750 1%	Chip Resistor 0603 750ohms, 0.1W	R10, R11, R29	R0603-IPC-750R	R0603 750 1%	3
18A3A021241V	Chip Resistor 0603 1.24k ohms, 0.5%, 1/10W	R12	R0603-IPC	R0603 1.24k 0.5%	1
R0603 5.1K 1%	RES SMD 5.1K OHM 1% 1/10W 0603	R13, R24, R28	R0603-IPC-5.1K	R0603 5.1K 1%	3
R0603 2.2K 1%	RES SMD 2.2K OHM 1% 1/10W 0603	R20, R27, R32, R33	R0603-IPC	R0603 2.2K 1%	4
R0603 10K 1%	RES SMD 10K OHM 1% 1/10W 0603	R34	R0603-HIGH-DENSITY	R0603 10K 1%	1
VIN	Through-hole testpoint hook	TP1	Testpoint_1H	Testpoint_1H	1
V9RC	Through-hole testpoint hook	TP2	Testpoint_1H	Testpoint_1H	1
VBL5	Through-hole testpoint hook	TP3	Testpoint_1H	Testpoint_1H	1
VBL5_EN	Through-hole testpoint hook	TP4	Testpoint_1H	Testpoint_1H	1
BUCK_EN	Through-hole testpoint hook	TP5	Testpoint_1H	Testpoint_1H	1
PO32_N	Through-hole testpoint hook	TP6	Testpoint_1H	Testpoint_1H	1
PO33_N	Through-hole testpoint hook	TP7	Testpoint_1H	Testpoint_1H	1
ENDD	Through-hole testpoint hook	TP8	Testpoint_1H	Testpoint_1H	1
SDA	Through-hole testpoint hook	TP9	Testpoint_1H	Testpoint_1H	1
SCL	Through-hole testpoint hook	TP10	Testpoint_1H	Testpoint_1H	1
LT2	Through-hole testpoint hook	TP11	Testpoint_1H	Testpoint_1H	1
CC1	Through-hole testpoint hook	TP12	Testpoint_1H	Testpoint_1H	1
PO34_N	Through-hole testpoint hook	TP13	Testpoint_1H	Testpoint_1H	1
PO35_N	Through-hole testpoint hook	TP14	Testpoint_1H	Testpoint_1H	1
Testpoint_1H	Through-hole testpoint hook	TP15	Testpoint_1H	Testpoint_1H	1
LM489HUBA/NC0P8	Black Regulator Positive Output Step-Down DC-DC Controller IC 8-Pin VQFN	U1	DC/DC (S-PSICO-G8) - LM489	LM489HUBA	1
STUSB470AD07R	Stand-alone USB PD controller with Source in 16-50 W	U2	SO-16	STUSB470AD07R	1
LM1390T	Quad Comparator General Purpose CMOS, DTL, ECL, MOS, Open Collector, T14 SO, 5.12V	U3, U4	SO-14 (LM1390T)	LM1390T	2
AP2204B-3.3TRG1	Fixed 3.3V 3.3V 150mA SOT-89/SOT-89-3 Low Dropout Regulator(SOT)	U5	SOT-89	AP2204B-3.3TRG1	1