

Line#	Name	Description	Designator	Revision ID	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1	Footprint
CL21A106K0NNNE		MultiLayer Ceramic Capacitor, 10 uF, 16 V, ± 10%, XSR, 0805 [2012 Metric]	C101, C105	CMP-001-00022-4	Up to date	2	Samsung	CL21A106K0NNNE	Volume Production	LCSC	C1713	0.008	0.16	C_Samsung_CL_D080_A
CL05B104KPSNNNC		MultiLayer Ceramic Capacitor, 0.1 uF, 10 V, ± 10%, X7R, 0402 [1005 Metric]	C102, C106, C202, C203, C204, C206, C207, C208, C401	CMP-001-00023-3	Up to date	10	Samsung	CL05B104KPSNNNC	Volume Production	LCSC	C133086	0.0018	0.18	C_Samsung_CL_B02_A
CC390209M05REBB22x		MultiLayer Ceramic Capacitor, 22 uF, 10 V, ± 20%, XSR, 0805 [2012 Metric]	C103, C104, C107, C108	CMP-001-00014-9	Up to date	4	Yageo	CC390209M05REBB22x	Volume Production	LCSC	C108314	0.08	0.32	C_Yageo_CC_0805_A
352LH470MEFC1D0X6		Cap Aluminum 470uF 35V 20% (10 X 16mm) Radial Term 700mA 1000h 105 C Bulk	C109	CMP-001-00025-7	Up to date	1	Rubycon	352LH470MEFC1D0X6	Volume Production	Digkey	1189-1890-ND	0.68	0.68	C_Rubycon_10x16mm_3H
CC0603R9707R7B105		MultiLayer Ceramic Capacitor, 1 uF, 16 V, ± 10%, X7R, 0603 [1608 Metric]	C201, C301, C302, C303, C304, C306, C308	CMP-001-00019-5	Up to date	7	Yageo	CC0603R9707R7B105	Volume Production	LCSC	C106248	0.02	0.14	C_Yageo_CC_0603_A
CL05A475MPSNNNC		MultiLayer Ceramic Capacitor, 4.7 uF, 10 V, ± 20%, XSR, 0402 [1005 Metric]	C208, C212	CMP-001-00024-3	Up to date	2	Samsung	CL05A475MPSNNNC	Volume Production	LCSC	C23733	0.0049	0.49	C_Samsung_CL_D080_A
CC0402JFNP06B150		MultiLayer Ceramic Capacitor, 15 uF, 10 V, ± 5%, X7R, 0402 [1005 Metric]	C210, C211	CMP-001-00017-14	Up to date	2	Yageo	CC0402JFNP06B150	Volume Production	LCSC	C106997	0.01	0.02	C_Yageo_CC_0402_A
LTST-C190GKT		LED Uni-Color Green 950nm±2-Pin Chip LED T/R	D101, D102, D203	CMP-007-00007-3	Up to date	3	Vishay Lite-On	LTST-C190GKT	Volume Production	LCSC	C125093	0.05	0.15	D_LED_Lite-On_Green_3603_A
SMBJ5CA-13-F		Tvs Diode Bidir, 15V, 600W, Do-214Aw Rhs Compliant: Yes Diodes Inc. SMDJ5CA-13-F	D103	CMP-004-00000-11	Up to date	1	Diodes	SMBJ5CA-13-F	Volume Production	LCSC	C135047	0.102	0.6	D_TVS_Bi_Diodes_SMDJ5CA-13-F_A
D050FLU2B9-7		Diode TVS Dual Uni-Dir 5.5V 25000W/2-Pin SOD 953 T/R	D201, D202, D204, D205, D206	CMP-004-00007-2	Up to date	5	Diodes	D050FLU2B9-7	Volume Production	LCSC	C508179	0.1344	0.672	D_TVS_Uni_Diodes_SOD-953_B
B6B19W-TP		Rectifier Diode, Schottky, 1 Phase, 1 Element, 1A, 40V VRRM, Silicon	D301, D302, D303	CMP-000001-3	Up to date	3	MCC	B6B19W-TP	Volume Production	LCSC	C94354	0.087	0.26	D_Schottky_MCC_SOD-123
SMBJ5A-13-F		TVS Diode Single Uni-Dir 10V 600W/2-Pin SMD T/R T5ESD/CES 100W/24V/4C SMD	D304, D305, D306, D401, D402, D403	CMP-004-00006-3	Up to date	6	Diodes	SMBJ5A-13-F	Volume Production	LCSC	C135046	0.1349	0.809	D_TVS_Uni_Diodes_DO-214Aw_B
CT3151SP-2		Conn 4mm Safety Banana Jack 4-Pin PCB Solder RA Thru-Hole 1 Part Bag	J01	CMP-002-00001-14	Up to date	1	Cal Test Electronics	CT3151SP-2	Unknown	Mouser	510-CT3151SP-2	2.45	2.45	J_CalTest_CT3151SP-2
CT3151SP-0		Conn 4mm Safety Banana Jack 4-Pin PCB Solder RA Thru-Hole 1 Part Bag	J02, J01, J02, J03	CMP-002-00000-17	Up to date	4	Cal Test Electronics	CT3151SP-0	Unknown	Digkey	8KCT3151SP-0-ND	2.45	9.8	J_CalTest_CT3151SP-0
10118193-0001LF		USB Connector, 5 Contact(S), Female, Right Angle, Surface Mount Terminal, Locking, Breakable	J01	CMP-002-00002-12	Up to date	1	Amphenol Communications Solutions	10118193-0001LF	Unknown	Digkey	609-4616-1-ND	0.54	0.54	J_USB_Micro-B_Amphenol_10118193-0001LF
FFPC101LFB-RC		10 Position Total Single Row 2.54mm Pitch Straight Female Header	J02, J03, J04	CMP-002-00003-9	Up to date	3	Sullins	FFPC101LFB-RC	Volume Production	Digkey	SP043-ND	0.85	2.55	J_Sullins_07x10_Socket_2.54mm
FFPC031LFB-RC		3 Position Total Single Row 2.54mm Pitch Straight Female Header	J05	CMP-002-00004-17	Up to date	1	Sullins	FFPC031LFB-RC	Volume Production	Digkey	SP036-ND	0.46	0.46	J_Sullins_07x03_Socket_2.54mm
1255AY-38BN-P3		Inductor Power Shielded Wirewound 3.8uH 30% 1000Hz Ferrite 4.2A 0.0264Ohm DCR 2424 T/R	L101	CMP-009-00002-7	Up to date	1	Murata	1255AY-38BN-P3	Volume Production	LCSC	C586202	0.38	0.38	L_Murata_1255AY3006-P3
1255AY-48TM-P3		Inductor Power Shielded Wirewound 4.7uH 20% 1000Hz Ferrite 4A 0.0272Ohm DCR 2424 T/R	L102	CMP-006-00001-10	Up to date	1	Murata	1255AY-48TM-P3	Volume Production	LCSC	C160361	0.2055	1.03	L_Murata_1255AY3006-P3
S7617DN-T1-GE3		P-CHANNEL MOSFET, -30V, 35A, Transistor; Transistor Polarity: P-Channel; Continuous Drain Current Id: -35A; Source	Q101	CMP-00000-19	Up to date	1	Vishay Siliconix	S7617DN-T1-GE3	Volume Production	Mouser	781-S7617DN-GE3	0.51	0.51	Q_Vishay_PowerP-OK1212-6
SR182DP-T1-RE3		trenchFET Gen IV Power MOSFET N-Channel Single 80V VDS 20V VGS 50A ID 8-Pin PowerPAKSOIC T/R	Q201, Q202, Q303, Q304, Q305, Q306	CMP-013-00000-9	Up to date	6	Vishay Siliconix	SR182DP-T1-RE3	Unknown	LCSC	C467543	0.924	5.54	Q_Vishay_PowerP-OK3030-Single
RD402FR-0710KL		SMD Chip Resistor, 110 iOhm, ± 1%, 63 mW, 0402 [1005 Metric], Thick Film, General Purpose	R101, R104	CMP-009-00000-11	Up to date	2	Yageo	RD402FR-0710KL	Volume Production	LCSC	C138065	0.01	0.02	R_Yageo_RCL_0402_A
RD402FR-0713KL		SMD Chip Resistor, 13 iOhm, ± 1%, 63 mW, 0402 [1005 Metric], Thick Film, General Purpose	R102, R105, R104	CMP-009-00001-11	Up to date	3	Yageo	RD402FR-0713KL	Volume Production	LCSC	C138057	0.01	0.03	R_Yageo_RCL_0402_A
RD402FR-071HL		SMD Chip Resistor, 1 iOhm, ± 1%, 62.5 mW, 0402 [1005 Metric], Thick Film, General Purpose	R103, R106, R102	CMP-009-00000-11	Up to date	3	Yageo	RD402FR-071HL	Volume Production	LCSC	C106235	0.01	0.03	R_Yageo_RCL_0402_A
RD402FR-0710KL		SMD Chip Resistor, 10 iOhm, ± 1%, 62.5 mW, 0402 [1005 Metric], Thick Film, General Purpose	R201, R401, R402, R403, R404, R405, R409, R410, R411	CMP-009-00003-11	Up to date	9	Yageo	RD402FR-0710KL	Volume Production	LCSC	C90490	0.004	0.04	R_Yageo_RCL_0402_A
RD402FR-0733KL		SMD Chip Resistor, 33 iOhm, ± 1%, 63 mW, 0402 [1005 Metric], Thick Film, General Purpose	R203, R406, R407, R408, R412, R413, R414	CMP-009-00006-12	Up to date	7	Yageo	RD402FR-0733KL	Volume Production	LCSC	C138003	0.004	0.028	R_Yageo_RCL_0402_A
RC1206FR-0710RL		SMD Chip Resistor, 100 Ohm, ± 1%, 250 mW, 1206 [3216 Metric], Thick Film, General Purpose	R301, R302, R303, R304, R305, R306	CMP-009-00004-12	Up to date	6	Yageo	RC1206FR-0710RL	Volume Production	LCSC	C137382	0.013	0.078	R_Yageo_RCL_1206_A
PTS647SN60SMTRLS		Switch Tactile N.O. SPST Round Button Gull Wing 0.05A 12VDC 100000 Cycles 0.168N SMD T/R	SW201	CMP-011-00000-13	Up to date	1	ITT/C&K	PTS647SN60SMTRLS	Manual Solution	LCSC	C2759414	0.201	0.201	SW_Tactile_SPST_C&K_PTS647SN60SMTRLS
J510201JLQDN		J5 Series Side-Mounting Slide Switch SPDT-On Top Side 0.3A/(VDC) 4-Level Surface Mount T/R	SW202	CMP-011-00001-10	Up to date	1	ITT/C&K	J510201JLQDN	Unknown	LCSC	C221659	0.9722	0.9722	SW_Slide_C&K_J510201JLQDN
S001		TEST POINT PCB TH-ROUGH HOLE Product R Range - Connector Colour: Black; Mounting Through Hole	TP301, TP302, TP303, TP401, TP402, TP403	CMP-000000-5	Up to date	6	Keystone Electronics	S001	Volume Production	Digkey	36-5001-ND	0.41	2.46	TP_Keystone_3H
AP63203WU-7		AP63203 Series 3.3V/2A SWT Fixed Low R _{DS(on)} Synchronous Buck - TSOF 28	U101	CMP-019-00004-17	Up to date	1	Diodes	AP63203WU-7	Unknown	LCSC	C780769	0.3198	0.3198	U_Diodes_AP620x
AP63205WU-7		AP63205 Series 32 V/2 A 1.1 MHz Synchronous Buck Converter - TSOF 28	U102	CMP-019-00003-17	Up to date	1	Diodes	AP63205WU-7	Unknown	LCSC	C2071056	0.3453	0.3453	U_Diodes_AP620x
STM32F401RETB		MCU 32-bit STM32F401 Cortex M4 RISC 128KB Flash 1.8V/2.5V/3.3V/64-Pin LQFP Tray	U201	CMP-020-00000-16	Up to date	1	STMicroelectronics	STM32F401RETB	Volume Production	LCSC	C116978	2.74	2.74	U_ST_LOFFM4_B
R2103STRPF		600 V half-bridge gate driver Cw/shorted through protection, SOIC 8Pin, ReHS	U301, U302, U303	CMP-024-00000-6	Up to date	3	Infineon	R2103STRPF	Volume Production	LCSC	C2957	0.4066	1.22	U_Infincon_B-SOC_3.9mm
LMC03APWR		Precision quad differential comparator, commercial grade 14-TSOP (to 70)	U401	CMP-016-00000-9	Up to date	1	Texas Instruments	LMC03APWR	Volume Production	Digkey	296-18454-1-ND	0.26	0.26	U_IL14-18500A
ICS240-12-37B-QVY-TR		Cystal 240MHz 10ppm (Tol) ±10ppm (Stability) 12pF FUND 300nm 4-Pin Min-CSPM T/R	U501	CMP-003-00000-11	Up to date	1	ICS/International	ICS240-12-37B-QVY-TR	Unknown	LCSC	C2460025	0.308	0.308	Y_Crystal_GND240-12-37B-12-37B-QVY-TR