Capacitance	Comment	Description	Designator	Footprint	LibRef	Manufacturer Part Number	Quan tity	Resistance	Size
	Lite-On LTST-C193TBKT-5A	Blue 1.6 x 0.8 mm (0603) 130 ° Intensity Min 11.2 mcd Typical 15 mcd SMT LED	5V, 24V	PCB-0603- BoxOverlay	CMP- abba620d3 8e3747d-7	LTST-C193TBKT-5A	2		
10.0 μF	Сар	CL31 Series 10 uF 50 V ±10 % Tolerance X5R SMT Multilayer Ceramic Capacitor	C1, C2, C9, C11, C12	High Density	CMP- bac072e400 6c6507-6	CL31A106KBHNNNE	5		3216
	100nF	CL10 Series 0.1 uF 50 V ±5 % Tolerance X7R SMT Multilayer Ceramic Capacitor	C3, C4, C6, C7, C10	CAPC1608X 09N	CMP- 7555619-5	CL10B104JB8NNNC	5		1608
22.0 nF	Walsin Technologies 0603B223K500CT	Multilayer Ceramic Capacitor, 0.022 F, 10%, X7R, 50 V, 0603 [1608 Metric]	C5	PCB- v3fthkug2p bv1qvbzexa- 1	CMP- f9383295d2 0126ff-1	0603B223K500CT	1		1608
	4.7uF	CL31 Series 4.7 uF 50 V ±10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	C8	CAPC3216X 180X55ML2 0T25	CMP-	CL31B475KBHNNNE	1		3216
	FCI 54602-908LF	Conn Modular Jack F 8 POS 2.54mm Solder RA Thru-Hole 8 Terminal 1 Port Box Cat 3 Conn Modular Jack RCP 6 POS	J1	PCB- kyusfhn5h9 rxu8er00w0- 1	CMP- 1a15d14420 34c5d2-8 CMP-	54602-908LF	1		
	Amphenol ICC 54601- 906WPLF	2.54mm Solder RA Thru-Hole 6 Terminal 1 Port Cat 3 Box Connector Terminal Block 4 Position138" /3.5Mm Space Th	J2	PCBCompo nent OSTTE0401	bed072b8fb 136117-3 CMP- b52b7c252a		1		
	OSTTE040161 Panasonic ERJ-6DSFR11V	Top Screw Res Thick Film 0805 110m Ohm 0.5% 1/2W ±150ppm/°C Molded SMD T/R	J3 R1, R2	61 RESC2012X0 6N	8f6aec-1 CMP-	ERJ-6DSFR11V	1	110 m	
	20К	Res Thick Film 1.6 x 0.8 mm 20K Ohm 1% 0.1W(1/10W) 100ppm/ C Molded SMD Paper T/R	,	PCB- 1ci9j4ma2h	CMP- aa1d6305ca 5475da-8	RC0603FR-0720KL	6		1608
	TC33X-2-203E	Res Trimmer 20K Ohm 25% 1/10W 1(Elec)/1(Mech)Turn (3 X 3.8mm) Foot Print SMD Embossed T/R	R4	PCB- aorwn4mtq wimg0tyvqv x-1	CMP- 3ffbf6f0cda 3e03c-5	TC33X-2-203E	1	20k	
	Res1	Res Thick Film 0603 4.7K Ohm 1% 0.1W(1/10W) ±100ppm/C Pad SMD Automotive T/R	R19	s2sdhfr4ze m-1	CMP- 011ec9310f added9-4		1	4.70 kO	
	Res1	Res Thick Film 0603 470 Ohm 5% 0.1W(1/10W) ±100ppm/C Pad SMD Automotive T/R	R20	RESC1609X5 5X30ML10T 20	CMP- 120ade6ce4 e1cdcd-1		1	470 O	
	TE Connectivity 1825057-3	Switch DIP ON OFF SPST 3 Flush Slide 0.1A 20VDC Gull Wing 2000Cycles 2.54mm SMD T/R	SW1	PCB- chfgz6m5i3 6qrmmne85 a-1 PCB-	CMP- 3f99f6ac8d3 8e05e-1		1		
	AS5047P	AS5047P Series 5.5 V 14-bit On- Axis Magnetic Rotary Position Sensor - TSSOP-14	U1	bn9a8dt4cg	d38a190911 520c4d-1	AS5047P-ATSM	1		
	Trinamic TMC2209-LA-T	Motor Driver, Stepper, QFN-28	U2	X500X85_HS 29N PCB-			1		
	Texas Instruments LMZM23601V5SILR	36-V, 1-A Step-Down DC-DC Power Module in 3.8-mm × 3-mm Package 10-uSiP -40 to 125	U3	hwh8xdcde	CMP- a7776b3d5a 0878b0-5		1		
	MBR0520LT1G	Rectifier, Schottky Power; Plastic S	VD1, VD2	SOD-123_B	CMP-378646	MBR0520LT1G	2		









