

Designator	Description	Name	Manufacturer Part Number 1	Manufacturer Part Number	Quantity
C100, C107, C110	0603 10 uF 10 V ±10% Tolerance XSR SMT Multilayer Ceramic Chip Capacitor	10uF	GRM188R1A100K0200	GRM188R1A100K0200	3
C101, C102, C108, C109, C112, C113, C114, C115	Multilayer Ceramic Capacitors MLCC SMD/SMT 50V .1uF ±5% 0603 10% Compliant: Yes	100nF	06035C10WAT2A	06035C10WAT2A	8
C103, C104	Multilayer Ceramic Capacitor, 10 PF, 0% C0G / N02, 50 V, SMD 1205 Metric, RoHS Compliant: Yes	10pF		0402N100500DCT	2
C105, C106	0603 3.3 uF 10 V ±4.25 uF Tolerance XSR Multilayer Ceramic Chip Capacitor	3p3		GRM1555C1H30C A01D	2
C111	0805 1 uF 25 V ±10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	1uF	CC0805K000788B105	CC0805K000788B105	1
C200	Cap Film 0.22uF 630V PET 10% (26.5 X 6 X 15mm) Radial Plastic Rectangular Can 22.5mm 100C Bulk	220nF		PMK40032205800K ESD	1
C201, C300	100uF 16V SMD B3AC6mp; temp. gray -55~105°C, 2 years min. 1000h w temp.105°C, co solderable 60/40 w temp. 85°C	100uF		VT11C101M0605	2
C202, C203, C204	Capacitor, ceramic MLCC, 10uF, 25V; X7R, ±10%; SMD; 0805	10uF	C131A106K01NNNG	C131A106K01NNNG	3
D000	Diode: Schottky rectifying, SMD; 100V, 1A; SC0123R, reel,tape	5K1110		5K1110	1
D001	Diode Standard 600V 1A Surface Mount DO-213AC (SMA)	ES1J	ES1J-LTP	ES1J	1
F100	Flux Chip Slew Blow Acting 0.00A 250V SMD Solder Pad 10.1 x 3.3mm Ceramic Bag	0403.0155.11		0403.0155.11	2
F0200, F0201	Ferrite: toroidal; Imp. @ 100kHz: Z<20; SMD; 2.5A; 0603; R: 0.040	BLM18SG2217N1D	BLM18SG2217N1D	BLM18SG2217N1D	2
J300	Conn USB Type C RCP 16 PDS 0.3mm 0.5mm Solder ST SMD 16 Terminal 1 Port 1TR	USB4110-GF-A		USB4110-GF-A	1
J301	Socket: wire- board; male; 2mm; PIN: 4; TH1; LA; 080501-25+85°C	NOV-04	NOV-04SPCK	NOV-04	1
L100, L101	0603 2.2uF ±0.3uF X7R-40VDC Qual: 100PH RoHS: SRF-40Hz	2u2		LQ03H40N250D	2
LED100, LED200	LED: SMD; 0805; cyanwv; 10~22mcd; 2uL294.1nm; 140°; 1.75~2.2V	LED RED	KP-2012LSURCK	KP-2012LSURCK	2
LED101	LED: SMD; 0805; redwv; 150~200mcd; 2uL294.5nm; 100°; 3~3.2V	LED BLUE	OF-SMD2012B	OF-SMD2012B	1
PE100	Switch Tactile N.O. SPST Board Button Sul Wing 0.05A 12VDC 2.6N SMD T R	TS561R	TS561R	TS561R	1
PS200	AC/DC 10W 5V Single Output Power Supply, Integrated Board Mount Module	BM-10-5		BM-10-5	1
R100, R102	Resistor: thick film; SMD; 0603; 220G; 0.1W, ±1%; 55~150°C	220R	06035AF2200T5E	06035AF2200T5E	2
R101	Resistor: thick film; SMD; 0603; 22G; 0.1W, ±1%; 55~150°C	22R	06035A0220T5E		1
R103, R100, R301	Res Thick Film 0603 5.1K Ohm 1% 1/10W ±100ppm/ °C Pulse SMD Paper T/R	5k1	AC0603PR-075K1L	AC0603PR-075K1L	3
R104, R105, R200, R201, R202	CRCW0603-RE-100 1000 1% E1T	1k	CRCW06031K00PKT ABC	CRCW06031K00PKT ABC	5
R203	Resistor: thick film; SMD; 0603; 10KG; 0.1W, ±1%; 55~150°C	10k	06035AF100T5E	06035AF100T5E	1
RLY200	Prakamale: additionenergycm (SCT); Lowvlt: 5VDC, 5A, SW 255VAC	0-1415390-1		0-1415390-1	1
T200	Module, Power: P- ch; Vdc: -20V/ Relay(s): 10A; Chrg; Id: -3.7A; MEQ200; Po: 1.3W	RLM16402TR9BF	RLM16402TR9BF	RLM16402TR9BF	2
T201	Transistor: N-; MOSFET; unipolar; 20V; 40.1 A; 4W; SOT23	DMG3402L-7	DMG3402L-7	DMG3402L-7	1
T202	Transistor: NPN; bipolar; 45V; 0.5A; 110mW; SOT23	BC817 - 40	BC817-40	BC817-40	1
U100	80C-20-40-80C; 160MHz Single; Conv 32-Pin QFN 17 R	ESP32-C3		ESP32-C3	1
U101	Serial Flash, 2.3- 3.6 V, 4 Mbit, 40 MHz, -40°C to +125°C, SMD-8, RoHS	SST25SF040C-40U/ SN		SST25SF040C-40U/ SN	1
U200	Adjustable & Fixed Low Drop Voltage Regulator, SOT- 223, 20V, 3.2A/V, 3.33V, 0.5mA	LD1117-3.3H		LD1117-3.3H	2
U300, U301	USB/C6 Series 2 Line 5 V UNI / B Directional ESD Protection - SOT-23 P	USBLC625C6	USBLC6-25C3V	USBLC6-25C3V	2
X100	Resonator: lasercoated; 40MHz; ±0.05ppm; 8uF; SMD; 0.6x0.6x2.0mm	40MHz		LPXTAL033270BAAK	1