



Qty	Part Reference	Description	Manufacturer Name	Manufacturer Part Number	Comments
3	C3 C5 C6	CAP CERAMIC 22PF 50V NP0 0603	KEMET	C0603C220J5GACTU	
3	C1 C2 C4	Capacitor Ceramic 2200PF 50V 20% X7R 0603	Murata Erie	GRM188R71H222MA01D	
3	C8 C17 C21	Capacitor, 0.1uF, 16V, 10%, X7R, 0603	Panasonic	ECJ-1VB1C104K	
4	C9 C18 C19 C20	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Panasonic	ECJ-1VB1C105K	
1	P2	Conn Header 8 Pos 2MM RT Ang Gold	Molex	87833-0820	
1	P3	Connector USB Type Mini-B	Molex	54819-0588	
1	D1	Diode Schottky 20V 0.5A SOD-123	Fairchild	MBR0520L	
1	U1	EMC1046/47	SMSC	EMC1046	
1	U1	EMC1046/47	SMSC	EMC1047	
1	FB2	Ferrite Bead, 120 Ohm, 0.5A, 0.1DCR, 0603	Panasonic	EXC-3BP121H	
1	P1	Header, 1 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-07-L-S	
6	JP1 JP2 JP3 JP4 JP5 JP6	Header, 2 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-07-L-D	
1	JP19	Header, 2 x 4, 0.1 Inch, Vertical	Samtec	TSW-104-07-L-D	
1	U10	IC USB MCU 8051 w/I2C and SPI C8051F320	Silicon Labs	C8051F320-GQ	
3	LED11 LED12 LED13	LED SMT Green	Stanley Electric	BG1111C-TR	
1	R51	Resistor 120 OHM 1/10W 1% 0603 SMD	YAGEO	9C06031A1200FKHFT	
1	R38	Resistor 22 OHM 1/10W 5% 0603 SMD	Yageo America	9C06031A22R0JLHFT	
3	R22 R27 R29	Resistor, 1.00K, 1%, 1/10W, 0603	Yageo America	RC0603FR-071KL	
2	R13 R14	Resistor, 10.0K, 1%, 1/10W, 0603	YAGEO	RC0603FR-0710KL	
3	R21 R28 R30	Resistor, 301, 1%, 1/10W, 0603	Yageo America	RC0603FR-07301RL	
1	U11	socket	Loranger	04333 101 X215	
7	TP1 TP2 TP3 TP5 TP6 TP7 TP8	Test Point	Keystone	5015	
6	Q1 Q2 Q3 Q4 Q5 Q6	Transistor NPN SOT-23 MMBT3904	Fairchild	MMBT3904	
1	R1	Trimpot 200 Ohm Thumb Wheel	BOURNS	3352E-1-201	