



Qty	Part Reference	Description	Manufacturer Name	Manufacturer Part Number	Comments
2	C1 C16	Capacitor Ceramic 2200PF 50V 20% X7R 0603	Murata Erie	GRM188R71H222MA01D	
5	C2 C3 C4 C7 C9	Capacitor, 0.1uF, 16V, 10%, X7R, 0603	Panasonic	ECJ-1VB1C104K	
5	C8 C10 C11 C12 C13	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Panasonic	ECJ-1VB1C105K	
1	JP5	Conn Header 8 Pos 2MM RT Ang Gold	Molex	87833-0820	
1	P6	Connector USB Type Mini-B	Molex	54819-0588	
1	D3	Diode Schottky 40V 1A SMB	Internatnl Rectifier	MBRS140TR	
1	FAN2	FAN DC AXIAL 5V 50X10 TACH OUT	DELTA ELECTRONICS	EFB0505MA-F00	
1	FB2	Ferrite Bead, 120 Ohm, 0.5A, 0.1DCR, 0603	Panasonic	EXC-3BP121H	
3	JP7 JP10 JP13	Header, 1 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-07-L-S	
2	P5 P9	Header, 1 x 3, 0.1 Inch, Latching, Vert	AMP	640456-3	
4	J1 J2 J3 JP8	Header, 1 x 3, 0.1 Inch, Vertical	AMP	4-103747-0	
2	JP9 JP12	Header, 2 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-07-L-D	
2	JP6 JP11	Header, 2 x 4, 0.1 Inch, Vertical	Samtec	TSW-104-07-L-D	
1	U9	IC Serial EEPROM 2K 1.8V 8DIP AT24C02	ATMEL	AT24C02-10PI-1.8	
1	U11	IC Temp Sensor/Fan Ctrl MSOP-8 EMC2101-R	SMSC	EMC2101-R	
1	U10	IC Temp Sensor/Fan Ctrl SOIC-8 EMC2101	SMSC	EMC2101	
1	U6	IC USB MCU 8051 w/I2C and SPI C8051F320	Silicon Labs	C8051F320-GQ	
1	U2	Inverter Single LVC SOT23-5 SN74LVC1G04	Texas Instruments	SN74LVC1G04DBVR	
1	LED1	LED Red/Green SMT	Lumex	SSL-LXA3025IGC-TR	
5	LED2 LED3 LED4 LED5 LED6	LED SMT Green	Stanley Electric	BG1111C-TR	
1	Q13	MOSFET N-Channel 20V SOT-23	Fairchild	NDS335N	
1	U12	MOSFET P Channel Dual -20V -5.3A SOIC-8 IRF7314	INTERNATNL RECTIFIER	IRF7314	
1	F4	Polyswitch 0.50A Hold 1.0A Trip SMD	RAYCHEM	SMD050-2	
3	R11 R12 R52	Resistor 10.0Kohm 0.1% 25ppm TC 0603	Susumo	RR0816P-103-B-T5	
2	R24 R25	Resistor 100 ohm 1% 1/10W 0603	Yageo America	RC0603JR-07100RL	
1	R35	Resistor 100K 1% 1/10W 0603	Yageo America	RC0603JR-07100KL	
1	R20	Resistor 18.0K Ohm 1/10W 1% 0603	YAGEO	RC0603FR-0718KL	
1	R54	Resistor 2.00K OHM 1/10W 1% 0603 SMD	Yageo America	RC0603FR-072KL	R54 replaced with 2.0k ohm axial component
1	R50	Resistor 29.4K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-0729K4L	
2	R7 R8	Resistor 470 ohm 1% 1/10W 0603	Yageo America	RC0603JR-07470RL	
1	R47	Resistor 5.60K Ohm 1/10W 1% 0603	YAGEO	RC0603FR-075K6L	
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	
1	R49	Resistor, 15K, 1%, 0.1W, 0603	YAGEO	RC0603FR-0715KL	
5	R21 R28 R30 R34 R36	Resistor, 301, 1%, 1/10W, 0603	Yageo America	RC0603FR-07301RL	
1	R53	Resistor, 33K, 1%, 1/10W, 0603	Yageo America	9C06031A3302FKHFT	
1	R51	Resistor, 43ohm, 5%, 1W, Metal Film Axial	BC COMPONENTS	5073NW43R00J12AFXBC	
9	TP1 TP2 TP3 TP4 TP5 TP7 TP8 TP10 TP11	Test Point	Keystone	5015	
2	Q11 Q12	Transistor NPN SOT-23 MMBT3904	Fairchild	MMBT3904	Q12 mounted remotely under power resistor