

Qty	Part Reference	Description	Manufacturer Name	Manufacturer Part Number	Comments
6	C1 C3 C5 C6 C8 C9	Capacitor Ceramic 2200PF 50V 20% X7R 0603	Murata Erie	GRM188R71H222MA01D	
6	C2 C4 C7 C10 C17 C21	Capacitor, 0.1uF, 16V, 10%, X7R, 0603	Panasonic	ECJ-1VB1C104K	
3	C18 C19 C20	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Panasonic	ECJ-1VB1C105K	
1	JP20	Conn Header 8 Pos 2MM RT Ang Gold	Molex	87833-0820	
1	P6	Connector USB Type Mini-B	Molex	54819-0588	
2	D1 D2	Diode Schottky 20V 0.5A SOD-123	Fairchild	MBR0520L	
1	PCB	EVB-7092-A00 Evaluation Bd		AZ7038-A01	
1	FB2	Ferrite Bead, 120 Ohm, 0.5A, 0.1DCR, 0603	Panasonic	EXC-3BP121H	
1	JP12	Header, 1 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-07-L-S	
1	JP16	Header, 1 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-07-L-S	
4	JP1 JP2 JP3 JP4	Header, 1 x 3, 0.1 Inch, Vertical	AMP	4-103747-0	
1	JP11	Header, 1 x 4, 0.1 Inch, Vertical	Samtec	TSW-104-07-L-S	
4	JP7 JP8 JP9 JP10	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	
2	JP17 JP18	Header, 2 x 6, 0.1 Inch, Vertical	Samtec	TSW-106-07-L-D	
1	U10	IC Temp Sensor EMC1402 MSOP8	SMSC	EMC1402	
1	U11	IC Temp Sensor EMC1403/04 MSOP10	SMSC	EMC1403	
1	U12	IC Temp Sensor EMC1403/04 MSOP10	SMSC	EMC1404	
1	U13	IC Temp Sensor EMC1422 MSOP8	SMSC	EMC1422	
1	U6	IC USB MCU 8051 w/I2C and SPI C8051F320	Silicon Labs	C8051F320-GQ	
4	U2 U3 U4 U5	Inverter Single LVC SOT23-5 SN74LVC1G04	Texas Instruments	SN74LVC1G04DBVR	
4	LED7 LED8 LED9 LED10	LED Red/Green SMT	Lumex	SSL-LXA3025IGC-TR	
7	LED1 LED2 LED3 LED4 LED11 LED12 LED13	LED SMT Green	Stanley Electric	BG1111C-TR	
1	Q19	MOSFET N-Channel 50V SOT-23	Zetex	BSS138TA	
4	R49 R55 R59 R60	Resistor 10.0Kohm 0.1% 25ppm TC 0603	Susumo	RR0816P-103-B-T5	
1	R20	Resistor 100 ohm 1% 1/10W 0603	Yageo America	RC0603JR-07100RL	
1	R62	Resistor 120 OHM 1/10W 1% 0603 SMD	YAGEO	9C06031A1200FKHFT	
2	R47 R53	Resistor 4.7K 1% 1/10W 0603	Yageo America	9C06031A4701FKHFT	
9	R7 R8 R9 R10 R11 R12 R15 R16 R37	Resistor 470 ohm 1% 1/10W 0603	Yageo America	RC0603JR-07470RL	
3	R22 R27 R29	Resistor, 1.00K, 1%, 1/10W, 0603	Yageo America	RC0603FR-071K	
2	R13 R14	Resistor, 10.0K, 1%, 1/10W, 0603	YAGEO	RC0603FR-0710KL	
2	R50 R56	Resistor, 15K, 1%, 0.1W, 0603	DIGI-KEY	311-15.0KHRCT-ND	
3	R51 R57 R61	Resistor, 22.0K, 1%, 1/16W, 0603	Yageo America	9C06031A2202FKHFT	
7	R21 R28 R30 R31 R32 R33 R34	Resistor, 301, 1%, 1/10W, 0603	Yageo America	RC0603FR-07301RL	
2	R52 R58	Resistor, 33K, 1%, 1/10W, 0603	Yageo America	9C06031A3302FKHFT	
2	R48 R54	Resistor, 6.8K, 5%, 0.1W, 0603	DIGI-KEY	311-6.8KGRCT-ND	
	SCH	SCH-7092-A0 EMC14XX EVB	SMSC		
10	TP1 TP2 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11	Test Point	Keystone	5015	
7	Q1 Q2 Q3 Q4 Q5 Q6 Q7	Transistor NPN SOT-23 MMBT3904	Fairchild	MMBT3904	
Devices not placed:					
4	C11 C13 C14 C16	Capacitor Ceramic 2200PF 50V 20% X7R 0603	Murata Erie	GRM188R71H222MA01D	
2	C12 C15	Capacitor, 0.1uF, 16V, 10%, X7R, 0603	Panasonic	ECJ-1VB1C104K	
2	JP5 JP6	Header, 1 x 3, 0.1 Inch, Vertical	AMP	4-103747-0	



3 JP13 JP14 JP15
2 LED5 LED6
1 U14
1 U15
9 R35 R36
5 Q8 Q9 Q10 Q11 Q12

Header, 2 x 2, 0.1 Inch, Vertical
LED SMT Green
IC Temp Sensor EMC1423 MSOP10
IC Temp Sensor EMC1424 MSOP10
Resistor, 301, 1%, 1/10W, 0603
Transistor NPN SOT-23 MMBT3904

Samtec	TSW-102-07-L-D
Stanley Electric	BG1111C-TR
SMSC	EMC1423
SMSC	EMC1424
Yageo America	RC0603FR-07301RL
Fairchild	MMBT3904