

Qty	Part Reference	Description	Manufacturer Name	Manufacturer Part Number	Comments
	DWG	DWG-10011-RevA Assembly Instructions			
	SCH	SCH-7040-B0 EMC1043/1053/1063 EVB			
1	PCB	EVB-7040-B0 Evaluation Bd			
2	C13 C14	Capacitor Ceramic 2200PF 50V 20% X7R 0603	Murata Erie	GRM188R71H222MA01D	
3	C2 C7 C9	Capacitor, 0.1uF, 16V, 10%, X7R, 0603	Panasonic	ECJ-1VB1C104K	
3	C8 C10 C11	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Panasonic	ECJ-1VB1C105K	
1	J3	Conn Header 8 Pos 2MM RT Ang Gold	Molex	87833-0820	
1	P6	Connector USB Type Mini-B	Molex	54819-0588	
1	D1	Diode Schottky 20V 0.5A SOD-123	Fairchild	MBR0520L	
1	FB2	Ferrite Bead, 120 Ohm, 0.5A, 0.1DCR, 0603	Panasonic	EXC-3BP121H	
1	JP1	Header, 1 x 2, 0.1 Inch, Vertical	Samtec	TSW-102-07-L-S	
2	P2 P3	Header, 1 x 4, 0.1 Inch, Latching, Vert	AMP	640456-4	
1	JP4	Header, 2 x 4, 0.1 Inch, Vertical	Samtec	TSW-104-07-L-D	Do Note Place JP4
1	U1	IC Temp Sensor EMC1043 Family	SMSC	EMC1043 or 1063	
1	U6	IC USB MCU 8051 w/I2C and SPI C8051F320	Silicon Labs	C8051F320R	
3	LED6 LED7 LED8	LED SMT Green	Stanley Electric	BG1111C-TR	
1	P1	Plug, Right Angle, SMT, 4pos	Hirose	MQ172X-4PA	Do Not Place P1
1	R20	Resistor 100 ohm 1% 1/10W 0603	Yageo America	RC0603JR-07100RL	
1	R1	Resistor 150 Ohm 1/10W 5% 0603	Yageo America	311-150GCT-ND	
3	R22 R27 R29	Resistor, 1.00K, 1%, 1/16W, 0603	Yageo America	RC0603FR-07301RL	
3	R12 R13 R14	Resistor, 10.0K, 1%, 1/16W, 0603	Yageo America	MCR03EZPFX1002	
3	R21 R28 R30	Resistor, 301, 1%, 1/16W, 0603	Yageo America	9C06031A3010FKHFT	
1	R31	Resistor, Zero, 0.1W, 0603	Yageo America	RC0603JR-070RL	
3	TP3 TP4 TP5	Test Point	Keystone	5015	Do Not Place TP4 and TP5
2	Q2 Q3	Transistor NPN SOT-23 MMBT3904	Fairchild	MMBT3904	Do Not Place Q2 and Q3