

6 Channel Master Hub v1.2 Parts List

ID	Description	DigiKey Part#	Mouser Part#
X1	RJ-45 Jack 2 Port	A9013-ND	
X2	RJ-45 Jack 4 Port	A9015-ND	
P1	2.1mm Power Jack	CP-102A-ND	
U1, U2, U3	DS2409P	Available from Dallas or	Hobby Boards
U4	DS2480B	Available from Dallas or	Hobby Boards
IC1	MAX232D	296-6936-5-ND	
REG1	LM78M05	LM78M05CTFS-ND	512-KA78M05
C1, C2, C3	0.1 uF Ceramic	311-1141-1-ND	80-C0805C104K3R
C4, C5	4.7 uF Electrolytic	PCE3011CT-ND	661-MKA35VC4R7M
C6, C7, C8, C9 C10	1 uF Ceramic	445-1364-1-ND	
C11	470 pF Ceramic	311-1124-1-ND	
D1, 2, 3, 4, 5, 6	BAT54S	BAT54SWT1OSCT-ND	625-BAT54S
D7	MBR130		863-MBR130LSFT1G
LED1, 2, 3	1.8mm Red LED	160-1084-ND	
LED4	1.8mm Green LED	160-1086-ND	
R1, R2, R3, R4	390 1/4W 1%	311-390FCT-ND	71-CRCW1206-390
R5	100 1/4W 1%		71-CRCW1206-100
JP1, JP2	2 Pin Header	A26513-40-ND	
	2 Shunts	A26228-ND	
	DB9 Female		

Construction Tips

- Place all surface mount components first.
- Observe the polarity of C4 and C5
- D1 – D7 are mounted on the bottom of the board
- R1 – R4 are marked 3900
- R5 is marked 1000
- C1 – C3 are brown and have no markings and are the smaller capacitors
- C6 – C10 are brown and have no markings and are the larger capacitors
- Cut one end off the serial cable. Pin 5 on the female end goes to SERIAL-1, Pin 2 goes to SERIAL-2, and Pin 3 goes to SERIAL-3. The color is not consistent among cables but could be Pin 5 green or yellow wire, Pin 2 red or brown wire and Pin 3 orange or red wire