Quad_IIC_MIDI Board parts list



The IIC MIDI module provides a bridge between IIC and MIDI, and mainly consists of a PIC16F88 microcontroller from Microchip, which runs with a special firmware (not MIOS!).

- Official uCApps Page
- quad_iicmidi_schem.pdf

Parts List

Description	Type	Quantity	Reichelt Ref	Mouser Ref	Digikey Ref
IC1-4	PIC16F88	4		579-PIC16F88-I/P	
	IC-Socket for 16F88	4		575-199318	
LEDx	3mm LED red	4		696-SLX-LX3044HD	
Q1x	20mhz crystal	4		559-FOXS200-20-LF	
C3	10µF Electrolytic capacitor	1		647-UKL1V100KDDANA	
C1x,C2x	15pF Ceramic capacitor “33”	8		581-SR151A150J	
C4x	100nF=.1µF Ceramic capacitor “104”	4		598-M20U104M5-F	
R2x	220Ω resistor	4		660-MF1/4DCT52R2200F	
R9x	220Ω resistor	4		660-MF1/4DCT52R2200F	
R10x	220Ω resistor	4		660-MF1/4DCT52R2200F	
–	5 pin DIN connector	4		502-57PC5FS	
J4	1×4 pinheader	1		710-61201021621	
——-	—optional BLM connection parts—-	—–			
IC2	6N138 optocoupler	1		859-6N138M	
IC2	IC-Socket for 6N138	1		575-199308	
R6	1KΩ resistor	1		660-MS1/4DCT52R1001	
R7	4.7KΩ resistor	1		603-MFR-25FBF52-4K7	
R8-R10	220Ω resistor	3			
D1	1N4148 diode	1		512-1N4148	
–	8 pin DIN connector	1		490-SDF-80J	
–	Box Header 2×5	1			

Mouser Parts Cart: https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=a9ef9df865

Datasheets

- PIC16F88-I/P

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