

Dtronixs Bill of Materials

Project: Rpi MiniPiio DIO16 Board
Version: v0.10
Date: 28-Oct-12
File: BOM_RPi_MiniPiio_DIO16_0v10A.xls

ID	Qty	Part	Manufacturer	Package	Description	Supplier #1	Part	Supplier #2	Part	Notes
PCB	1	RPi_MiniPiio_DIO16.pcb V0.10	NA	NA	40.0mm x 50.0mm Double Sided PCB	PCB	N/A			
C1	1	C320C104K5R5TA	Kemet	TH	Capacitor, 100nF/50V X7R	RS	538-1310			
R1	1	Resistor, 10K		TH	Resistor 10K,	RS				
U1	1	MCP23017	Microchip	DIL	Port Expander, 16-channel, I2C	RS	403-686			1
K1	1	1-215307-3	TE	TH	Connector - 0.1" x 0.1" Boardmount Socket 26W	RS	681-1351			
J3,J4,J5, J6,J7,J8, J9	7	Pin Header, Vertical 2.54mm 3W	Harwin	TH	Pin Header, Vertical 2.54mm 3W	RS	745-7068			
J1,J2	2	Pin Header, Vertical 2.54mm 10W	Harwin	TH	Pin Header, Vertical 2.54mm 10W	RS	745-7071			
J10	0	Do Not Fit	-	TH	-	-				
J3,J4,J5, J6,J7,J8, J9	7	Shorting Link 0.1"	-	-	Shorting Link 0.1"	RS	251-8531			

Notes:
1 Alternative - MCP23S17 Port Expander 16-Channel, SPI
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