

Part	Desc	Size	DipMicro P/N	Other P/N	Price	Notes
C1	100nF capacitor, ceramic		DE1444			\$0.61 qty 10
C13	100nF capacitor, ceramic		DE1444			0
C14	100nF capacitor, ceramic		DE1444			0
C15	100nF capacitor, ceramic		DE1444			0
C20	100nF capacitor, ceramic		DE1444			0
C5	100nF capacitor, ceramic		DE1444			0
C9	100nF capacitor, ceramic		DE1444			0
R1	10K resistor, 1/8W	5mm?? 7.5mm??	DE2886			0.08
C4	10uF capacitor, polarized - how many mm?	5mm??	DE1473			\$0.16
C6	10uF capacitor, polarized - how many mm?	5mm??	DE1473			\$0.16
Q1	16 MHz crystal, Y49US		HC49US			0.32
R4	1K resistor, 1/8W	5mm?? 7.5mm??	DE2871			0.36 qty 10
R5	1K resistor, 1/8W	5mm?? 7.5mm??	DE2871			0
R6	1K resistor, 1/8W	5mm?? 7.5mm??	DE2871			0
R7	1K resistor, 1/8W	5mm?? 7.5mm??	DE2871			0
R8	1K resistor, 1/8W	5mm?? 7.5mm??	DE2871			0
R9	1K resistor, 1/8W	5mm?? 7.5mm??	DE2871			0
Jumper, Qty 4	1x2 female jumper, 0.1"pitch, for 0.025"square pins	1x2	DE1567			0.16
DTR_Enable	1x2 Male Header Pins, 0.1"pitch, 0.025" square	1x2	DE1562			0.39 40 pins
JP2	1x2, Female Header Socket, 0.1"pitch, for 0.025"square pins. Optional.	1x2				0 Typically part of 1x8 Power Header
JP1	1x2, Female Header Socket, 0.1"pitch, for 0.025"square pins. Optional.	1x2				0 Typically part of 1x10 J3 Header
PWR_SEL	1x3 Male Header Pins, 0.1"pitch, 0.025" square	1x3	DE1562			0
FTDI Header	1x6 Male Header pins, 0.1"pitch, 0.025"square. Optional.	1x6	DE1562			0 Connect external FTDI Basic or equivalent. Straight or right angle
USB_Serial pins	1x6 female socket, 0.1" pitch. Optional.	1x8	DE1556			0
Power Header	1x6, or 1x8, Female Header Socket, 0.1"pitch, for 0.025"square pins	1x8				0.59 Qty 2. 1x8 for New shield compatibility
Analog Header	1x8, Female Header Socket, 0.1"pitch, for 0.025"square pins	1x8	na		1018	0.59 Qty 2
J1 Header	1x8, Female Header Socket, 0.1"pitch, for 0.025"square pins	1x8			1018	0
J3 Header	1x8, or 1x10, Female Header Socket, 0.1"pitch, for 0.025"square pins	1x10			1020	0.69 Qty 2. 1x10 for New shield compatibility
USB_Serial pins	1x9 female socket, 0.1" pitch. Optional.	1x9	DE1556			0.76
C2	22pF capacitor, ceramic		DE1393			\$0.17 each
C3	22pF capacitor, ceramic		DE1393			0.17
IC6 socket	2x20 socket pins, 0.1" pitch. Optional.	0.1" pitch	DE1556			0.76
Analog/I2C Select	2x3 Male Header Pins, 0.1"pitch, 0.025" square	2x3	DE1559			0.55 2x40 pins
ICSP	2x3 Male Header Pins, 0.1"pitch, 0.025" square	2x3				0
IC8	3.3V regulator, SMD. Ua78m05	SOT-223-4	na	Digikey 296-13424-1-ND		0.62
F1	PTC (Polyfuse), SMD. Hold 0.25A, trip 0.5A	L1812 size	na	Digikey F2110CT-ND		0.51
IC2	5V regulator, SMD	DPAK?	na	Digiley MC7805BDTGOS-ND		0.62
Wallwart	7.5V, 1A power supply		DE3647			\$4.96
L LED	D13/SCK Activity, Blue	3mm	DE2554			0.16
IC6	microController, ATmega324/644/1284 DIP family	40 pin, 0.6" DIP	na	Mouser 556-ATMEGA1284P-PU		5.82 Also supports '324P-PU, '644P-PU & variants ships with 0.025" Male Pins. Use DIPMICRO DE1557 for socketable pins,
USB_Serial	Mikroelektronika FTDI FT232RL USB/Serial Adapter. Optional					
PowerJack	UPDATED - MIKROE 483 for FT232-based design.	MIKROE-483	na	Mouser 932-MIKROE-483		\$10.95 \$1.0
PWR LED	Power In Jack	5.5/2.1mm	DE1573			0.29
ATMega 1284/FTDI PCB	Power on LED, GREEN	3m	DE2555			0.21
D1	Printed Circuit Board		na	CrossRoads Fencing		\$4.50
RX LED	Reverse Polarity Diode	1N5818	DE3232			\$0.20
TX Led	Serial RX indicator, Red	3mm	DE2556			0.15
Reset Switch	Serial TX indicator, Yellow	3mm	DE2558			0.16
Extra_IO Header	Tactile Switch - 6mm?? Check size	6mm??	DE3458			0.16
	User choice: 1x10 Male pins, or Female header, 0.1"pitch, 0.025"square pins.	1x10				\$0.00 using male pins from Select pins

35.83 wallwart not included