

White Bread Shield for Arduino Parts List v1 20140105

Item	Description	Qty	Digikey	Newark	Allied	Mouser
1	Atmel ATMEGA328P-PU	1	ATMEGA328P-PU-ND	68T2944	70332157	556-ATMEGA328P-PU
2	28-Position DIP Socket	1	A100210-ND	52K3282	70042912	571-1-390261-9
3	16MHz Crystal	1	X1103-ND	18C1481	70200574	520-HCU1600-20X
4	22pF 50V Capacitor (Ceramic)	2	BC1005CT-ND	95C1007	70122937	594-K220J15C0GF5TL2
5	1MΩ 1/4W +/-5% Resistor	1	1.0MQBK-ND	38K0330	70183402	291-1M-RC
6	Power Jack, 24VDC 5A, 2.1x5.5mm	1	CP-102AH-ND			
7	1N4001 Diode, 50V	1	1N4001FSCT-ND	10M8486	70015967	512-1N4001
8	5VDC 1A Voltage Regulator	1	LM7805CT-ND	80P4554		512-LM7805CT
9	3.3VDC 100mA Voltage Regulator	1	497-7288-ND	89K1362	R1144986	511-L78L33ACZ
10	0.1μF 50V Capacitor (Aluminum)	2	493-5955-ND	83T6867	70067889	647-UMT1H0R1MCD2
11	0.33μF 50V Capacitor (Aluminum)	2	493-10465-1-ND		70067892	647-UMT1HR33MCD2
12	0.1μF 50V Capacitor (Ceramic)	3	BC1084CT-ND	85C4656	70122993	594-K104K15X7RF5TL2
13	SPST Tactile Switch	1	SW400-ND	36K7138	70176104	653-B3F-1000
14	10kΩ 1/4W +/-5% Resistor	1	10KQBK-ND	38K0328	70183364	291-10K-RC
15	3mm Green LED	1	P607-ND	96K2574	70061562	604-WP3A8GD
16	220Ω 1/4W +/-5% Resistor	1	220QBK-ND	38K0351	70183329	291-220-RC
17	6-Pin Header (FTDI)	1	A26520-06-ND	08N6748	70190972	571-826936-6

If you want to use the White Bread Shield as the top shield in a shield stack, you will need the following header part.

18	40-Pin Header	1	A26520-40-ND	90F3988	70086711	571-41033210
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NOTE: One of these 40-pin headers is enough for the shield connections and the FTDI header (17). No need to order both.

If you want to use the White Bread Shield as the bottom or a middle shield in a shield stack, you will need the following header part.

			Adafruit	Sparkfun		
19	Arduino UNO Header Kit	1	ID: 85	PRT-11417		

NOTE: You can use these for the bottom board by soldering and trimming the leads.