

MIDI-LINK Full Kit

Item	Description	Qty	Designator	Package
PCB				
1	MIDI-LINK PCB V0.0	1		-
KITS				
2	MIDI-LINK Hardware Kit	1		-
3	MIDI-LINK Component Kit V0.0	1		-

Bill of Materials for MIDI-LINK Full Kit
MIDI-LINK Component Kit

Item	Description	Qty	Designator	Package
CAPACITOR				
1	100nF Ceramic	4	C101, C301, C302, C303	RAD-0.2N
2	1uF 35V Tantalum	1	C305	RB-D5.0-P5.0
3	10uF 35V Electrolytic	1	C304	RB-D5.0-P2.0
CONNECTOR				
4	3-way 0.1inch Straight Header	1	J202	2.54MM
5	FASTON - 4.8mm x 0.8mm PCB TAB	2	J1, J2	-
6	2-way 0.1inch Straight Header	2	J201, S1	2.54MM
7	3-way 0.1inch Crimp Housing	1	J202	2.54MM
8	8-way 0.1inch Crimp Housing	1	J401	2.54MM
9	8-way 0.1inch Straight Header	1	J401	2.54MM
10	CRIMP - KK254	15	J201^2, J202^3, J401^8, S1^2	-
11	28-pin IC Socket 0.3inch	1	U101	DIP-28
12	8-pin IC Socket 0.3inch	1	U201	DIP-8
13	2-way 0.1inch Crimp Housing	2	J201, S1	2.54MM
CRYSTAL				
14	16MHz Oscillator	1	X101	DIL-8
DIODE				
15	1N4004 200V 1A	1	D1	DIODE-0.4
16	1N4148	1	D201	DIODE-0.3
HARDWARE				
17	HEATSINK - TO-220 Type 6021	1	U1	-
18	M3 Nut	1	U1	-
19	M3 x 6mm Bolt PH	1	U1	-
LINEAR				
20	ATMEGA8-16PU	1	U101	DIP-28N
21	6N138 - Opto-coupler	1	U201	DIP-8

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Item	Description	Qty	Designator	Package
	LINEAR - continued			
22	7805 +5V 1A Fixed Voltage Regulator	1	U301	TO-220
	INDUCTOR			
23	Ferrite Bead - 5A	1	L301	AXIAL-0.3
	RESISTOR			
24	10R 1% 0.5W Metal Film	1	R301	AXIAL-0.4
25	220R 1% 0.5W Metal Film	3	R207, R209, R210	AXIAL-0.4
26	240R 1% 0.5W Metal Film	1	R213	AXIAL-0.4
27	1K5 1% 0.5W Metal Film	1	R214	AXIAL-0.4
28	2K0 1% 0.5W Metal Film	1	R206	AXIAL-0.4
29	4K7 1% 0.5W Metal Film	1	R211	AXIAL-0.4
30	10K 1% 0.5W Metal Film	7	R401, R402, R403, R404, R405, R406, R407	AXIAL-0.4
31	15K 1% 0.5W Metal Film	1	R208	AXIAL-0.4
32	33K 1% 0.5W Metal Film	1	R212	AXIAL-0.4
33	4 x 10K Commoned Resistor Network	1	RN101	SIP-5
	SWITCH			
34	2PST DIP	1	S102	DIP-4
35	SPNO Tactile Switch - 6mm - 3.5mm Plunger	1	S101	-
	TRANSISTOR			
36	2N3906 PNP Transistor	1	Q204	TO-92
37	2N3904 NPN Transistor	1	Q203	TO-92

MIDI-LINK Hardware Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	7-Pin DIN Plug	2	LINK_CABLE^2	-
2	7-Pin DIN Panel Socket	1	LINK	-
3	5-PIN DIN Panel Socket	2	MIDI-IN, MIDI-THRU	-
4	FASTON - 4.8 x 0.8 Female - Red	2	+VIN, V	-
5	3.5mm Mono Panel Socket Cliff - Black	2	VDC_IN, VDC_WASP	-
6	3.5mm Mono Plug	2	DC-DC_CABLE^2	-
	ENCLOSURE			
7	ABS - Enclosure 140x110x35mm - Grey with Black Panels	1		-
	HARDWARE			
8	WIRE - 2-core Screened Audio [@ 1cm]	50	DC-DC_CABLE^50	-
9	M3 Nut	6	LINK^2, MIDI_IN^2, MIDI_THRU^2	-
10	FIXING - #4 x 6mm Self-Tapping Screw	4	MH1, MH2, MH3, MH4	-
11	WIRE - 8-core Unshielded	50	LINK_CABLE^50	-
12	M3 x 6mm Bolt PH	6	LINK^2, MIDI_IN^2, MIDI_THRU^2	-
13	Equipment Wire 7/0.2 Black [@ 1cm]	7	LINK8^7	-
14	Equipment Wire 7/0.2 Brown [@ 1cm]	7	LINK1^7	-
15	Equipment Wire 7/0.2 Red [@ 1cm]	21	LINK2^7, MIDI_THRU2^14	-
16	Equipment Wire 7/0.2 Orange [@ 1cm]	7	LINK3^7	-
17	Equipment Wire 7/0.2 Yellow [@ 1cm]	34	LINK4^7, MIDI_IN4^13, MIDI_THRU4^14	-
18	Equipment Wire 7/0.2 Green [@ 1cm]	34	LINK5^7, MIDI_IN5^13, MIDI_THRU5^14	-
19	Equipment Wire 7/0.2 Blue [@ 1cm]	7	LINK6^7	-
20	Equipment Wire 7/0.2 Violet [@ 1cm]	7	LINK7^7	-
21	Equipment Wire 16/0.2mm Black [@ 1cm]	8	DC_IN+^8	-
22	Equipment Wire 16/0.2mm Yellow [@ 1cm]	8	DC_IN-^8	-
	PANEL			
23	miniMIDI-WASP Rear Panel P0.1	1		-
24	miniMIDI-WASP Front Panel P0.1	1		-

