

ED701 - miniScope Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	Do Not Fit	1	C201	-
2	22pF 10% Ceramic	2	C302, C303	RAD-0.2N
3	100pF 5% Ceramic	1	C102	RAD-0.2N
4	100nF Ceramic	6	C101, C301, C403, C404, C407, C408	RAD-0.2N
5	1uF 35V Tantalum	2	C103, C405	RB-D5.0-P5.0
6	10uF 35V Electrolytic	2	C401, C402	RB-D5.0-P2.0
	CONNECTOR			
7	8-pin IC Socket 0.3inch	1	U101	DIP-8
8	IDC10 Box Header	1	J401	2.54MM
9	1x4 Pin RA Header	1	J101	-
			NB: See Build Guide	
10	28-pin IC Socket 0.3inch	1	U301	DIP-28
	CRYSTAL			
11	16MHz Crystal	1	X301	HC49/4H
	DIODE			
12	1N4148	1	D201	DIODE-0.3
13	5.6V 5% 500mW	2	D101, D102	DIODE-0.3
14	5.1V 5% 500mW	1	D103	DIODE-0.3
15	1N4004 200V 1A	1	D401	DIODE-0.4
	LINEAR			
16	LF353 - Dual JFET Opamp	1	U101	DIP-8
17	ATMEGA328	1	U301	-
18	78L05 +5V 100mA Fixed Voltage Regulator	1	U401	TO-92
	INDUCTOR			
19	Ferrite Bead - 0.45uH 7A	2	L401, L402	AXIAL-0.3

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	OPTO-ELECTRONIC			
20	LCD - mini12864	1	LCD1	-
	POTENTIOMETER			
21	100K LIN [PTV09]	1	P101	PTV09
	RESISTOR			
22	10R 1% 0.5W Metal Film	1	R401	AXIAL-0.4
23	100R 1% 0.5W Metal Film	1	R107	AXIAL-0.4
24	10K 1% 0.5W Metal Film	3	R102, R203, R301	AXIAL-0.4
25	47K 1% 0.5W Metal Film	2	R104, R204	AXIAL-0.4
26	100K 1% 0.5W Metal Film	2	R103, R105	AXIAL-0.4
27	150K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
28	220K 1% 0.5W Metal Film	1	R106	AXIAL-0.4
29	249K 1% 0.5W Metal Film	1	R101	AXIAL-0.4
30	1M0 1% 0.5W Metal Film	2	R100, R202	AXIAL-0.4
	SWITCH			
31	DPDT PCB, Subminiature [ON-ON]	2	DC_AC, HI_LO	-
32	SPNO Tactile Switch, 22mm Raised	2	S301, S302	-
	TRANSISTOR			
33	2N3904 NPN Transistor	2	Q201, Q202	TO-92
	FIRMWARE			
34	FIRM - ED701 - miniScope Firmware V1.3	1		-
	UNITS			
35	Panther - IDC16-10 - 24cm	1	J401	-

