

Bill Of Materials for ribbon_tester64_ATMEGA8_sch

9 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
2	C1,C6	47u	47u 25V High Temp Radial Capacitor
7	C2-C5,C7-C8,C10	1.0u	CAP CERM .1uF 10% 50V X7R 1206

Sub-totals:

65 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
65	R3-R66,R80	1K	RES 1/10W 5% 1206 SMD

Sub-totals:

6 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	U1	ATMEGA8	8 KBytes Flash, 1088 Bytes SRAM, 512 Bytes EEPROM, ADC, Analog Comparator, TWI, SPI, 3 Ports, 3 Timers, 1 USART
4	U7-U10	74154	4-to-16 Line Decoder/Demultiplexer
1	U16	7805	5V Fixed 1A Positive Power Supply Regulator.

Sub-totals:

65 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
64	D2-D65	1N4148	Si - 75.0V, 0.300A, 4.00ns in DO35 package
1	D68	1N4004	Standard Recovery Diode, 400 V, 1 A, Single, 1 V, 30 A

Sub-totals:

7 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	LCD2	LM020L	16x1 Alphanumeric LCD
1	SW3	Toggle switch	SPDT Switch (Momentary Action) panel mount
1	X1	733980-62	DC power connector
4	X2-X5	CONN-D37M	37 pin emale D-Type

Sub-totals:

Totals: