

Bill Of Materials for ribbon_tester64_sch

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14 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
2	C1,C6	47u	47u 25V High Temp Radial Capacitor
11	C2-C3,C5,C7-C14	1.0u	CAP CERM .1uF 10% 50V X7R 1206
1	C4	22N	CAP CERAMIC SMD1206

Sub-totals:

84 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	R1	10K	RES 1/10W 5% 1206 SMD
13	R2,R67-R77,R79	330	RES 1/10W 5% 1206 SMD
65	R3-R66,R80	1K	RES 1/10W 5% 1206 SMD
1	R78	R80	RES 1/10W 5% 1206 SMD
4	R81-R84	470	RES 1/10W 5% 1206 SMD

Sub-totals:

16 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
2	U1,U4	74HC00	Quadruple 2-Input Positive-NAND Gates
1	U2	74HC08	Quadruple 2-Input Positive-AND Gates
1	U3	7493	4-Bit Binary Ripple Counter
1	U5	4017	Johnson Decade Counter With 10 Decoded Outputs
1	U6	7413	Dual 4-Input NAND Gate With Schmitt-Trigger Inputs
4	U7-U10	74154	4-to-16 Line Decoder/Demultiplexer
1	U11	7474	Dual Positive-Edge-Triggered D-Type Flip-Flops With Clear And Preset
2	U12-U13	4026	7-Segment Display Decade Counter
1	U14	LM393	Dual, General Purpose, Differential Comparator
1	U16	7805	5V Fixed 1A Positive Power Supply Regulator.
1	U17	74HC08	

Sub-totals:

68 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	D1	1N4148	Generic diode
64	D2-D65	1N4148	Si - 75.0V, 0.300A, 4.00ns in DO35 package
2	D66-D67	LED-RED	LED 5MM
1	D68	1N4004	Standard Recovery Diode, 400 V, 1 A, Single, 1 V, 30 A

Sub-totals:

11 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	DIS5	HDSP-523G	14.2 mm (0.56 inch) 10mA Two Digit Seven Segment Displays
3	RV1-RV3	68k	High Granularity Interactive Potentiometer (Lin, Log or Antilog Law)
1	SW1	18535CD	SPDT Switch (Momentary Action) panel mount
1	SW3	Toggle switch	SPDT Switch (Momentary Action) panel mount
1	X1	733980-62	DC POWER JACK
4	X2-X5	CONN-D37M	37 pin emale D-Type

Sub-totals: