

# parts list

## TLN640-CDX

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
R51	18-83452F23	Potentiometer, 500k
C1,6,8	21-82428B07	Capacitor, 01uF, 500V, Ceramic
C2,3,5,11,12	23-82397D26	Capacitor, 1uF, $\pm 10\%$ , 35V
C4	23-84538G15	Capacitor, $\pm 7\mu F$ , $\pm 10\%$ , 15V
C7	08-82905G07	Capacitor, 1uF, $\pm 10\%$ Mylar
C9	23-82397D28	Capacitor, 47uF, $\pm 20\%$ , 20V Tantalum
C15	23-82397D36	Capacitor, 1uF, $\pm 10\%$ , 20V Tantalum
C13	23-82397D26	Capacitor, 1uF
C14	23-82397D36	Capacitor, 1uF, Tantalum
C16,17	08-82905G11	Capacitor, 22uF, Mylar
CR1-CR12	48-82392B03	Diode, Silicon
DS1,2	40-00003S	LED
Q1,3,4,5	48-869592	Transistor, NPN Darlington
Q2,7,8	48-869570	Transistor, NPN
Q6	48-869567	Transistor, NPN
U8	09-00035S01	IC Socket
	43-82721C01	Grommet (1 req'd)
	03-1943	Screw, 4-40 x 5/16 (2 req'd)
	43-84071C03	Captive Nut, 4-40 (2 req'd)
	45-83914G01	Nylon Guides (2 req'd)
	09-83497F01	8-Pin Connector (3 req'd)
S1	43-82721C01	Switch, Momentary (1 req'd)
U1	51-82884L10	I.C. MC14027
U2	51-82884L53	I.C. MC14538
U3	51-82884L05	I.C. MC14011
U4	51-84371K94	I.C. MC14071
U5	51-82884L02	I.C. MC14049
U6	51-82884L59	I.C. MC14040
U7	51-82884L01	I.C. MC14050
U8	51-82848M48	256 Bit PROM
U9	51-0004S01	IC MC14512
U10	51-0004S02	IC MC14161
U11,12	51-84320A45	I.C. 555 Timer
U13,14	51-82884L57	I.C. MC14541
U15	51-84320A47	Regulator, 5-Volt
R8,9,10,11,12,13,14,15	06-185A97	Resistor, 100k, 5%, 1/8W
R18	18-83083G04	Potentiometer, 1k
RV25	18-83311K08	Potentiometer, 50k
RV23	18-83311K03	Potentiometer, 1k
	84-00648S	PC Board
	64-01091S	Front Panel
	04-82418B89	Nylon Washer (2 req'd)
JU1,2,3,4,5,6,7,10,11,13,14	28-84528K17	Plug, 4-pin
JU8,15	28-84528K16	Plug, 6-pin
JU9	28-84528K15	Plug, 8-pin
JU12	28-84528K23	Plug, 2-pin
JU1-15	09-84181L01	Jumper
	84-00648S	P.C. Board

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NOTE 1: ALL UNLISTED RESISTORS ARE 5%, 1/4W