

TEC-1F-6 Parts List

Designator	Quantity	Description
R1, R2, R7, R8, R9, R10, R11, R13,R19	9	Resistor 1k Ohms 5% ¼ Watt
R3, R4, R22	3	Resistor 2k2 Ohms 5% ¼ Watt
R5	1	Resistor 330 Ohms 5% ¼ Watt
R6	1	Resistor 100 Ohms 5% ¼ Watt
R12	1	Resistor 47k Ohms 5% ¼ Watt
R14, R15, R16, R17, R18, R23, R24	7	Resistor 10k Ohms 5% ¼ Watt
R20	1	Resistor 10M Ohms 5% ¼ Watt
R21	1	Resistor 4k7 Ohms 5% ¼ Watt
TRIMPOT	1	20K VTP Cermet Trimpot
C1		1000uF 25 VW Electrolytic Capacitor
C2, C3, C4, C5, C7, C11	6	100nF 50V Monolithic Ceramic Capacitor
C6	1	1uF 16VW 0.1" Radial Lead Electrolytic Capacitor
C8	1	4.7uF 16VW 0.1" Radial Lead Electrolytic Capacitor
C9, C10	2	33pF Ceramic Capacitor
C12	1	100pF Ceramic Capacitor
D1, D6	2	5mm Red LED
D2, D3, D4, D5	4	1N4002 / 1N4004 / 1N4007 Diode
D7, D8	2	1N4148 Small Signal Diode
DIS1, DIS2, DIS3, DIS4, DIS5, DIS6	6	FND560 Common cathode 7 Segment RED LED Display
IC1, IC2	2	74HC374
IC5	1	74HC373
IC3	1	2716/2732/2764 EPROM 2k/4k/8k x 8 DIP24/DIP24/DIP28
IC4	1	MM74C923N
IC6	1	6116/6264 2k/8k x 8 SRAM DIP24/DIP28
IC8, IC11	2	74HC138
IC9	1	ZILOG CMOS Z80 CPU
IC10	1	4049U CMOS Unbuffered Hex Inverter 16 Pin DIP
Q1, Q2, Q3, Q4, Q5, Q6, Q7	7	BC547 NPN Transistor TO-92
Q8	1	LM7805CT Fixed 5V Voltage Regulator 1A TO-220
Q8	1	M3x10mm Philips, Pan Head Machine Screw
Q8	1	M3 Hex Nut
Q8	1	M3 Split Washer
XTAL1	1	4.00 MHz Crystal 30PPM HC49/S (low profile)
SK1	1	20mm Mini Speaker
PUSH BUTTON	22	12 x 12 Tactile Switch + CAPS / 6 x 6 Tactile Switch +CAPS
J1A	1	Power Jack for Barrel Connector O.D. 5.5 / I.D. 2.1 mm
J1B	1	2 Way Terminal Block 0.2" Pitch
J2	1	6 Way R/A 0.1" Header Strip
J3, J4, J5, J6, J7	5	3 Way Straight 0.1" Header Strip
J3, J4, J5, J6, J7	5	Shunts
SW1, SW2	2	SPDT Slide Switch
IC9	1	40 Pin dual wipe IC socket
IC3, IC6	2	28 Pin dual wipe IC socket
IC1,IC2,IC4,IC5	4	20 Pin dual wipe IC socket
IC8,IC10,IC11	3	16 Pin dual wipe IC socket
Expansion Headers	32 way	0.1" Breakable Pin Header
Expansion Port	28 way	0.1" Breakable Pin Header
PCB	1	TEC-1F 6 Double-Sided PTH Printed Circuit Board