PC-SPRINT
PARTS LIST and DIAGRAM
(NOT TO SCALE)

ORIGINAL 8284A

C1

WW SOCKET
(PLUG INTO 8284A -
SOCKET ON MOTHERBOARD)

U1   U2

C2

NEW 8284A

U3

R1
R2

X1

CATHODE

C3   TB1   C4

1   4

4-CONDUCTOR FLAT CABLE

NOTCH CASE FOR CABLE

SW1   SW2
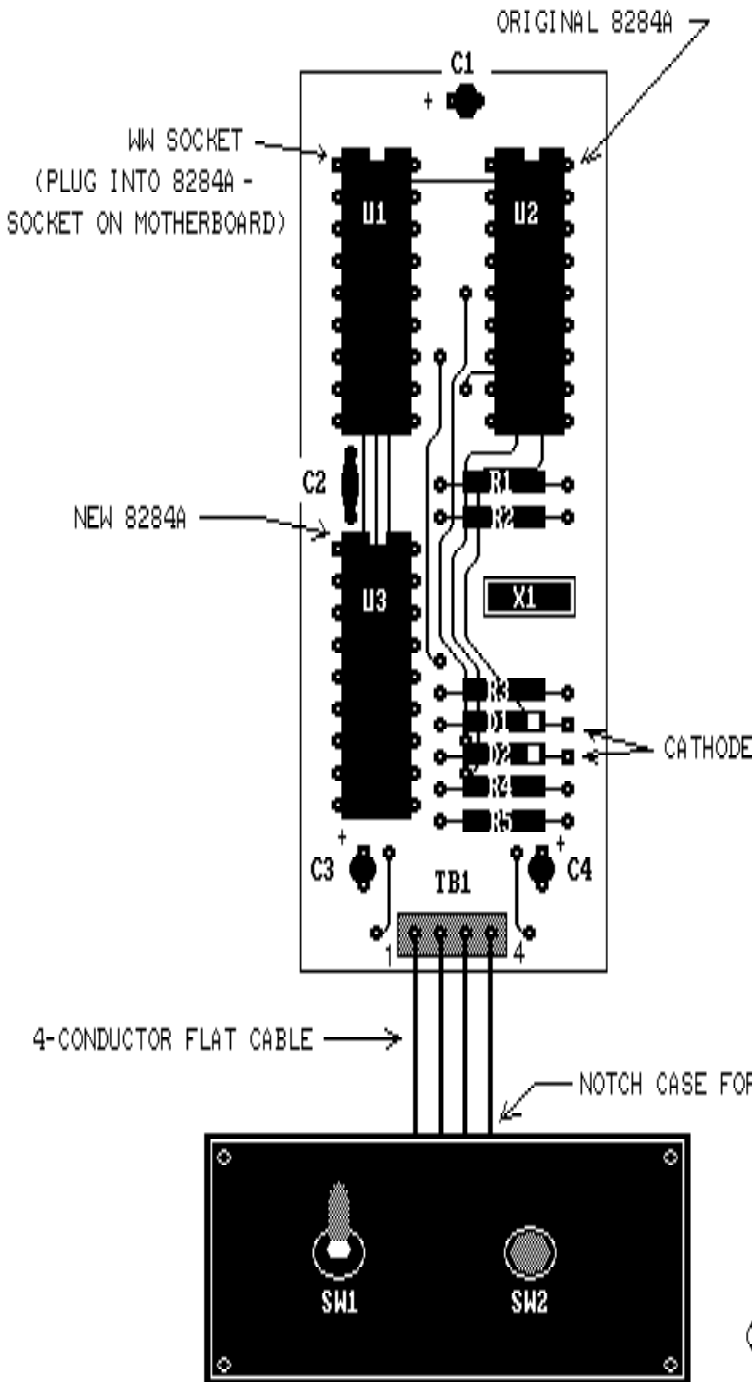
RESISTORS (ALL 1/4 W)

    R1.R2 - 560 OHM
    R3 - 3.3K
    R4,R5 - 10K

CAPACITORS

    C1,C3,C4 - 10 uf 16v TANTALUM RS# 272-1436
    C2 - .01 uf CERAMIC DISK RS# 272-131

DIODES
    D1,D2 - 1N914/1N4148 SWITCHING RS# 276-1620

IC'S

    U2,U3 - INTEL 8284A CLOCK GENERATOR
    U4 - INTEL 8088-2 8mhz PROCESSOR (NOT SHOWN)

CRYSTAL

    X1 - 22.11 mhz HC/18 CASE - SEE TEXT

MISC.

U1 - 18 PIN WIRE WRAP SOCKET OR HEADER PINS - SEE TEXT
TB1 - 4 CONDUCTOR TERMINAL STRIP RS# 276-1389
SW1 - SPDT TOGGLE SWITCH RS# 275-326
SW2 - NORMALLY OPEN PUSH BUTTON SWITCH RS# 275-1549
SWITCH MOUNTING CASE RS# 270-230
SOLID 4 COND. FLAT CABLE - LENGTH TO SUIT RS# 278-757
SOLDERTAIL SOCKETS FOR U2 & U3 (18 PIN) RS# 276-1992

RADIO SHACK (RS#) PART #'S GIVEN FOR REFERENCE ONLY

REPLACE ORIGINAL 5 mhz 8088 WITH 8 mhz EQUIVALENT

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