

N VOICE CONTROLLER AND CASIO MOD WIRING DIAGRAM

Parts for Kit

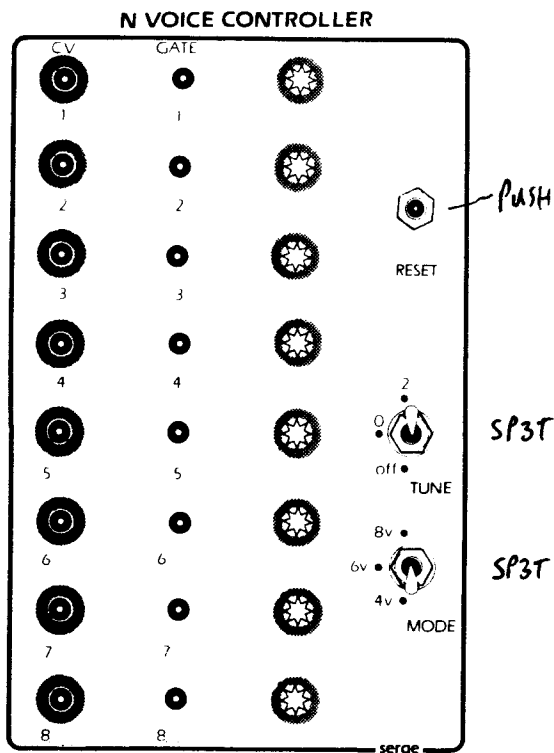
- 8 Blue Banana Jacks w/nut
- 8 Red Banana Jacks w/nut
- 8 LED Kits
- 2 SPDT Switches
- 1 Push Switch
- 2 1N914 Diodes
- 2 10K Resistors (brown-black-orange-gold)
- 1 82p Ceramic Disk Capacitor

- 350" #24 Insulated Hook-Up Wire (stranded)
- 48" Ribbon Cable (16-Wire)

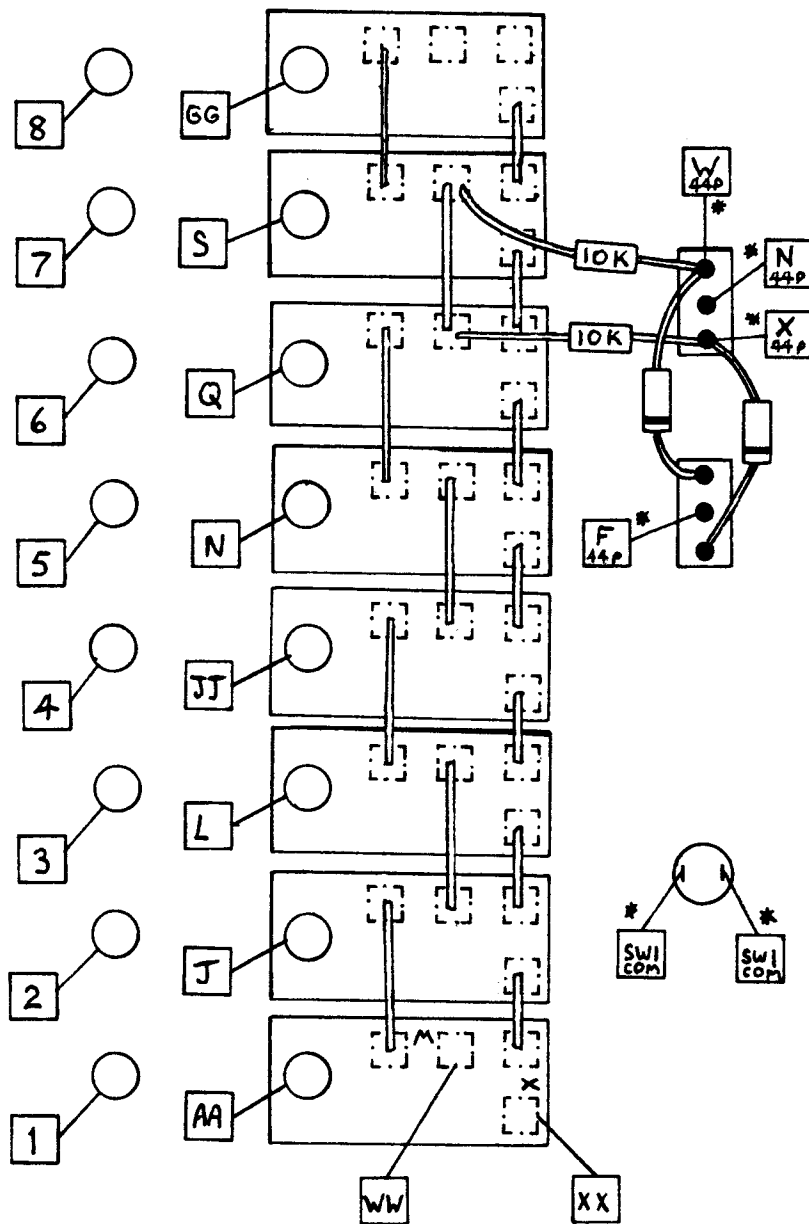
- 4 Standoffs (short)
- 8 Screws for standoffs
- 4 Lockwashers
- 4 Flatwashers

- 1 25-Pin "D" Connector
- 1 44-Pin Edge Connector

- 1 MDAC 216 PC Board (assembled)
- 1 MMC-03 PC Board (assembled)



Blue (x8) Red (x8) LED (x8)



SW1 connections are on upper left corner of computer PC Board near LED.

All other square pads shown in diagram refer to MDAC PC Board.

* 44P refers to 44-pin edge connector on computer PC Board.

44-PIN CONNECTOR MDAC PC BOARD

H ---- BB
 J ---- K
 L ---- M
 K ---- KK
 D ---- P
 C ---- R
 B ---- T
 A ---- HH

 Z ---- CC
 V ---- FF
 S ---- PP
 T ---- MM
 U ---- NN

14 ---- A
 13 ---- B
 12 ---- C
 11 ---- D
 10 ---- E
 9 ---- F
 8 ---- G
 7 ---- H

44-PIN CONNECTOR 25-PIN "D" CONNECTOR

22 ---- 16
 15 ---- 14
 16 ---- 1
 17 ---- 2
 18 ---- 3
 19 ---- 4
 20 ---- 5
 21 ---- 6
 1 ---- 11
 3 ---- 7

Add 82p Capacitor from pin 1 to pin 3 of 44-Pine Connector

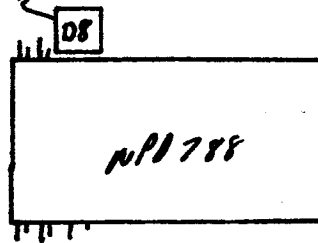
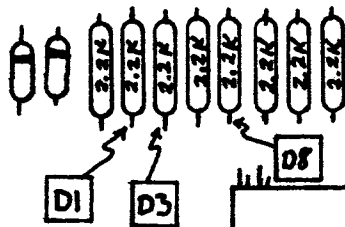
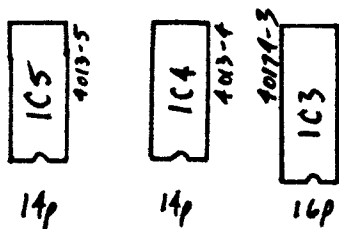
POWER HOOK-UP

U on MDAC --> +5 Volts (GREEN)
 +5 on MMC-03 --> +5 Volts (GREEN)
 GND on MMC-03 --> Ground (BLACK)

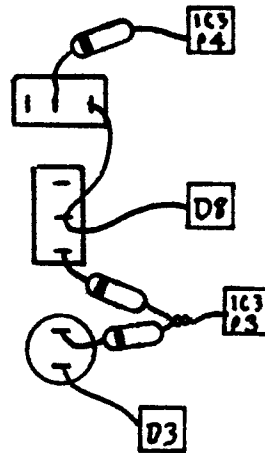
Modifications to Casio CT-202

MDAC PC BOARD MDAC PC BOARD

EE ---- LL
 WW ---- DD
 OVAL U ---- RR



OCTAOut Drop (SPDT ON-OFF)
 HOLD (SPDT ON-OFF)
 SELECT (PUSH PULL ON)



25-Pin Interface Connector

CT-202 Internal Connection

1 ---- IC5 pin 1
 2 ---- IC3 pin 12
 3 ---- IC3 pin 15
 4 ---- IC4 pin 1
 5 ---- IC4 pin 13
 6 ---- IC5 pin 13
 7 ---- D1
 11 ---- IC3 pin 8
 14 ---- IC3 pin 10
 15 ---- IC3 pin 2
 16 ---- IC3 pin 5

Connections to IC's and resistors are soldered directly onto leads from the top side of Casio PC board.

Note that IC3 is 16-pin and that IC4 and IC5 are 14-pin.