

CHATTERBOX — KIT VERSION

Construction Details

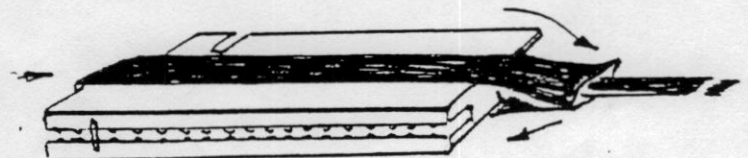
1. Parts List

Qty		Qty	
1	Main Printed Circuit Board	1	SX 01 Speech Processor
1	Stub Connector Board	1	74LS126
1	23 Way Edge Connector	1	74LS27
1	Multicore Cable	1	ULN 2283B
1	28 Pin IC Socket	1	100K preset
1	Cabinet, pre-drilled	1	4.7K resistor
4	Stick-on Feet	3	47K resistors
		1	100K resistor
		3	330uF electrolytic
1	Coil	2	1uF electrolytic
3	Screws for Circuit Board	4	1nF (=1000pF=.001uF)
		1	100nF (=0.1uF)
		1	120pF
		2	22pF

2. Construction

Board lay-out is shown in fig 1. Note that the multicore cable will pass through the cabinet lid before being soldered to the board.

1. Fit and solder both link wires
2. Fit and solder resistors & capacitors, noting polarity of electrolytic capacitors
3. Fit and solder coil & 4 sockets. The coil case has two tabs which may be bent back. The case does not have to be soldered to the board
4. Fit and solder the 3 small Integrated Circuits, noting orientation
5. Carefully strip multicore cable insulation and screen about 4" from the ends. Thread through lid and solder to circuit board as shown in fig 1. N.B. Screen is soldered to wire offcuts inserted in circuit board. Do this first to provide secure anchor
6. Insert stub between 23 way connector pins and bend pins inwards to touch each side of stub, noting the 5/16th" gap (fig 1), solder 1 pin at each end, then solder all pins on each side. You will need more heat from the iron than needed for other components. Check each pin is properly soldered by trying to pull it away from the board
7. Attach remaining end of multicore cable to 23 way connector as shown in fig 1. After checking all the connections you may wish to cover the joints with a 1" wide strip of insulating tape: lay this along the cable, wrap around and back along the connector top to the cable. If this is done carefully the result should be neat and serviceable



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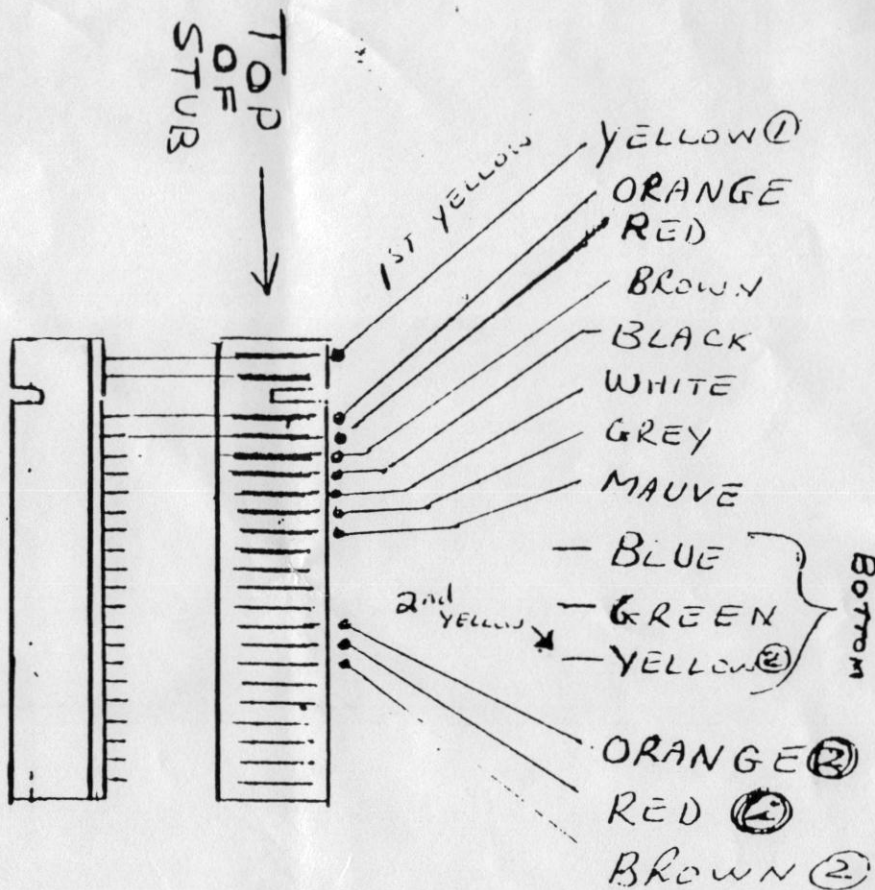
FIG 2

FOLLOW THIS

HOOK UP

• Goes AT Bottom

FOR RIBBON (14 conductors)



YELLOW ①
ORANGE ②
RED ②
BROWN ②

ONLY FOR
Z4 81
TS1000
TS2068

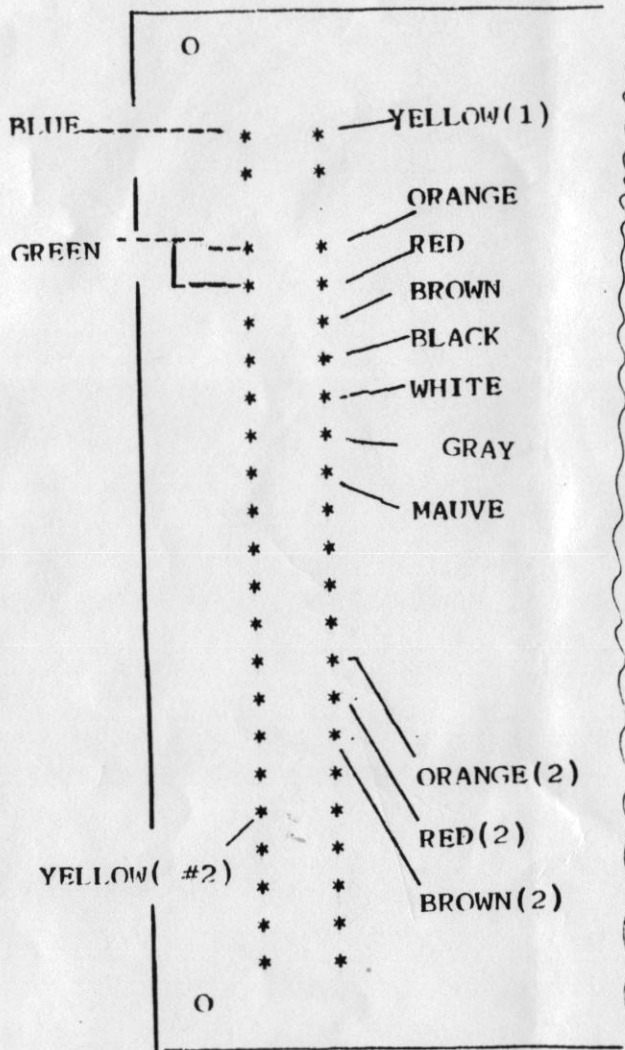
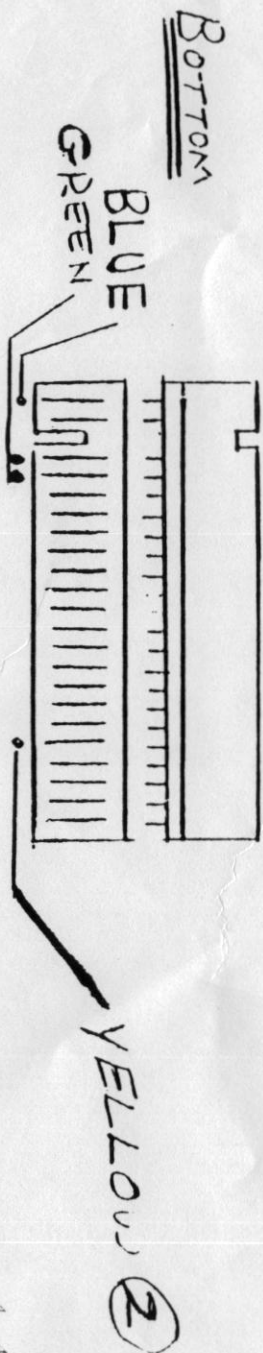


FIG 2

HOOK UP
ON THE
P.C BOARD
(TOP VIEW)
(COMPONENT SIDE)
(RIBBON CABLE)
(CODE)

FOR
VIC T25801
C6M64
2X
TIMER
APPC II