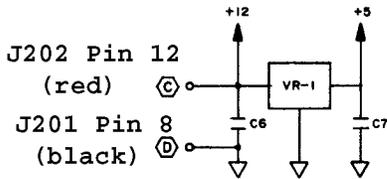
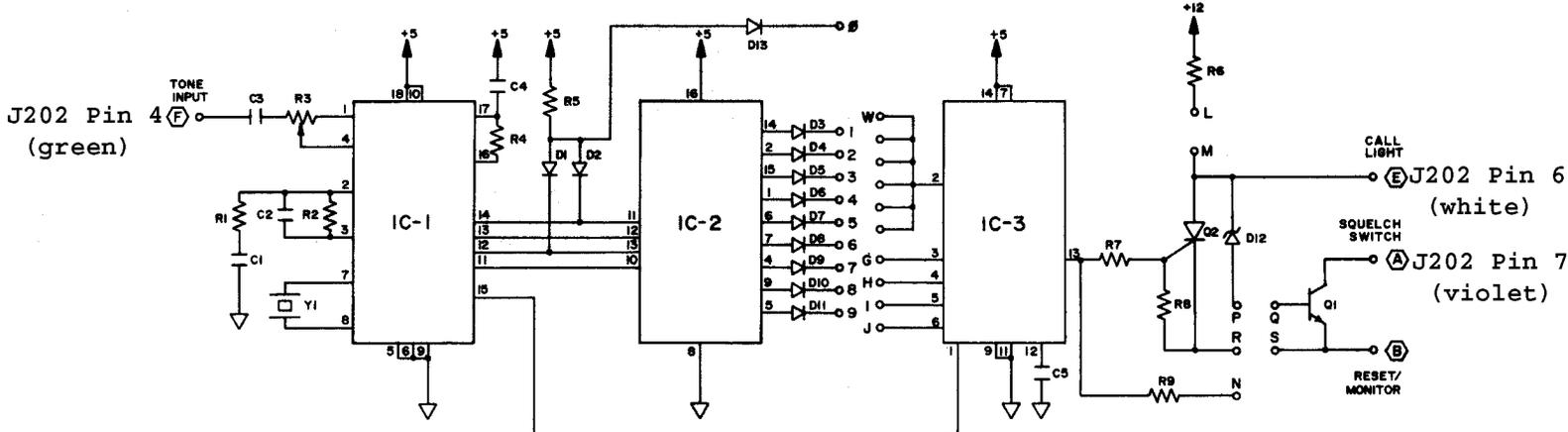
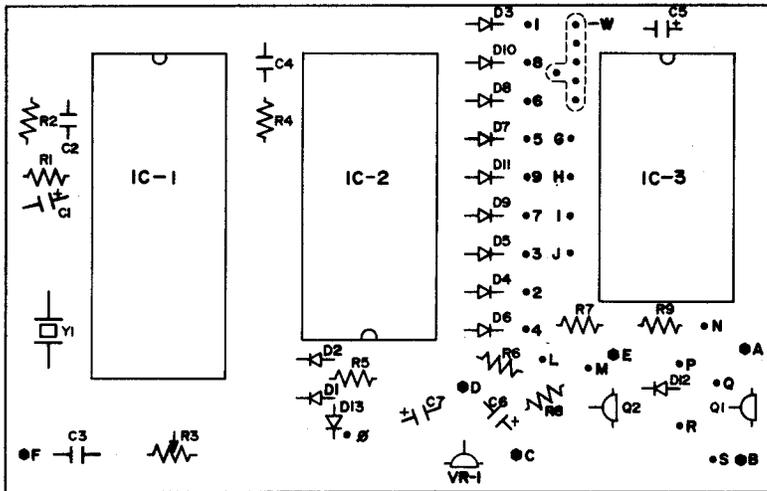


DTD-1 INSTRUCTION SHEET

Communications Specialists, Inc.
 426 W. Taft Ave., Orange, CA 92665-4296
 (800) 854-0547 / (714) 998-3021 (Local)



MODEL DTD-1 D.T.M.F. DECODER



PARTS LIST DTD-1

R1,7	06-4728	4.7K	Resistor carbon film 1/8 W	.22 ea.
R3	18-1040	100K	Potentiometer Mepcco	1.39 ea.
R2	06-1548	150K	Resistor carbon film 1/8 W	.22 ea.
R4	06-3948	390K	Resistor carbon film 1/8 W	.22 ea.
R5	06-1048	100K	Resistor carbon film 1/8 W	.22 ea.
R6	06-4328	4.3K	Resistor carbon film 1/8 W	.22 ea.
R8	06-1038	10K	Resistor carbon film 1/8 W	.22 ea.
R9	06-2228	2.2K	Resistor carbon film 1/8 W	.22 ea.
C1	19-1051	1µF	Cap. Tantalum 10%	.27 ea.
C2	21-4710	470PF	Cap. mono. ceramic 10%	1.00 ea.
C3,4	21-1040	.1µF	Cap. mono. ceramic 10%	2.00 ea.
C5,6,7	19-1051	1µF	Cap. Tantalum 10%	.27 ea.
Q1	48-4401	2N4401	Transistor SI NPN	.20 ea.
Q2	48-5060	2N5060	SCR	.79 ea.
VR1	48-3635	78L05AWC	Reg. voltage 5V 10%	.87 ea.
D1-11,13	48-4148	1N4148	Diode SI	.15 ea.
D12	48-5231	1N5231B	Diode zener 5.1V 10%	.20 ea.
IC-1	51-8870	8870	Decoder DTMF Mitel	32.00 ea.
IC-2	51-4028	4028	Decoder BCD to Dec.	1.44 ea.
IC-3	51-0108	IC108	IC custom	4.65 ea.
Y1	48-0358	3.58 MHz	Crystal color burst	3.75 ea.
1 ea.	09-8514	14 pin	Socket IC	.69 ea.
1 ea.	09-8516	18 pin	Socket IC	.69 ea.
1 ea.	09-8518	18 pin	Socket IC	.69 ea.
6 ea.	05-1007	R50-1	Pin ETP bead	.01 ea.
1 ea.	84-1035	DTD-1	P.C.B.	5.01 ea.
1 ea.	30-7042	1.5" #26	Wire PVC Brown	.05 ea.
1 ea.	30-7043	1.5" #26	Wire PVC Red	.05 ea.
1 ea.	30-7044	1.5" #26	Wire PVC Orange	.05 ea.
1 ea.	30-7045	1.5" #26	Wire PVC Yellow	.05 ea.
1 ea.	30-7046	1.5" #26	Wire PVC Green	.05 ea.
1 ea.	30-7047	1.5" #26	Wire PVC Blue	.05 ea.
1 ea.	30-7048	1.5" #26	Wire PVC Violet	.05 ea.
1 ea.	30-7049	1.5" #26	Wire PVC Gray	.05 ea.
1 ea.	30-7050	1.5" #26	Wire PVC White	.05 ea.
1 ea.	30-7051	1.75" #26	Wire PVC Black	.05 ea.
2 ea.	75-1002	Double sided	Tape square	.05 ea.

NOTES:

1. Add 1" violet jumper between J202 Pin 8 & 9
2. All leads to both plugs are 3"
3. Be sure plugs are oriented properly