

SYMBOL	GE PART NO	EQUIVALENT CIRCUIT
IC201	B19/ 5CAAJ00328	Note: Pin 6 is not and cannot be used as a digital phase detector output.
IC202	B19/ 5DDAT00206	
IC208	B19/ 5DAAA00183	
HC401	B19/ 5NZBH00002	

SYMBOL	GE PART NO	EQUIVALENT CIRCUIT
IC501	B19/ 5DAAR00074	
HC601	B19/ 6DHFD00160	
HC602	B19/ 6DHFD00167	<u>DE-EMPHASIS</u>
HC603	B19/ 6DHFD00168	MPF AFH 85F 300A 4

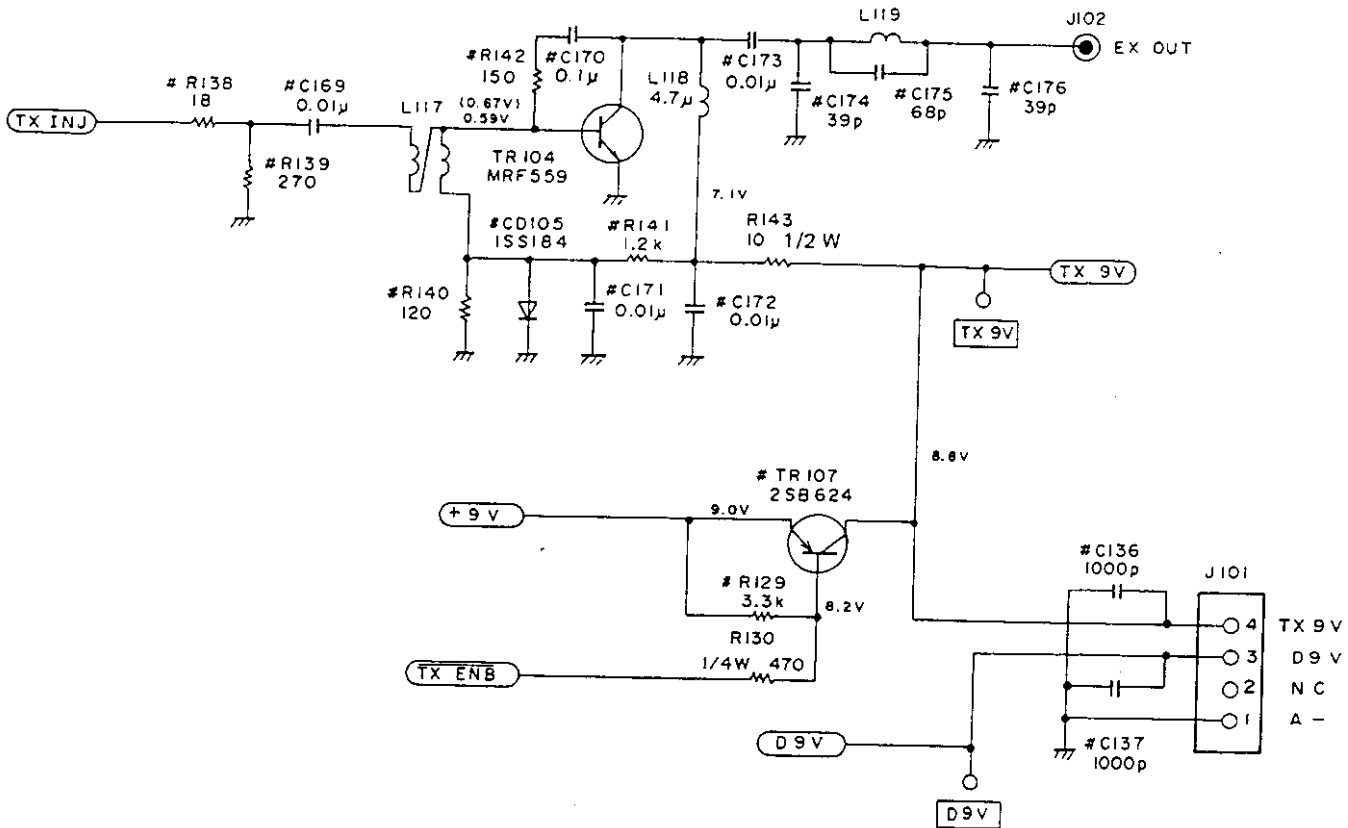
SYMBOL	GE PART NO	EQUIVALENT CIRCUIT
HC604	B19/ 6DHFD00169	
HC605	B19/ 6DHFD00164	
IC602	B19/ 5DAAA00233	
IC701	B19/ 5DAAJ00646	

SYMBOL	GE PART NO	EQUIVALENT CIRCUIT
IC702	B19/ 6DLLD00008	<pre> graph TD CLOCK --> CPU[8 BIT CPU] CPU --> PM[PROGRAM MEMORY] CPU --> DM[DATA MEMORY] CPU --> TEC[8 BIT TIMER EVENT COUNTER] CPU --> IOL[27 I/O LINES] PM --> CPU DM --> CPU TEC --> CPU IOL --> CPU </pre>
IC706	B19/ 5DDBY00026	NONVOLATILE EPROM BYTORG DUAL ROM SELECT CONTROL LOGIC INPUT DATA CONTROL COLUMN I/O CIRCUITS COLUMN SELECT STORE ARRAY RECALL STATIC RAM MEMORY ARRAY VCC GND CS WE I/O₁ I/O₂ I/O₃ I/O₄ A₀ A₁ A₂ A₃ A₄ A₅ A₆ A₇ A₈ A₉ A₁₀ A₁₁ A₁₂ A₁₃ A₁₄ A₁₅ A₁₆ A₁₇ A₁₈ A₁₉ A₂₀ A₂₁ A₂₂ A₂₃ A₂₄ A₂₅ A₂₆ A₂₇ A₂₈ A₂₉ A₃₀ A₃₁ A₃₂ A₃₃ A₃₄ A₃₅ A₃₆ A₃₇ A₃₈ A₃₉ A₄₀ A₄₁ A₄₂ A₄₃ A₄₄ A₄₅ A₄₆ A₄₇ A₄₈ A₄₉ A₅₀ A₅₁ A₅₂ A₅₃ A₅₄ A₅₅ A₅₆ A₅₇ A₅₈ A₅₉ A₆₀ A₆₁ A₆₂ A₆₃ A₆₄ A₆₅ A₆₆ A₆₇ A₆₈ A₆₉ A₇₀ A₇₁ A₇₂ A₇₃ A₇₄ A₇₅ A₇₆ A₇₇ A₇₈ A₇₉ A₈₀ A₈₁ A₈₂ A₈₃ A₈₄ A₈₅ A₈₆ A₈₇ A₈₈ A₈₉ A₉₀ A₉₁ A₉₂ A₉₃ A₉₄ A₉₅ A₉₆ A₉₇ A₉₈ A₉₉ A₁₀₀ A₁₀₁ A₁₀₂ A₁₀₃ A₁₀₄ A₁₀₅ A₁₀₆ A₁₀₇ A₁₀₈ A₁₀₉ A₁₁₀ A₁₁₁ A₁₁₂ A₁₁₃ A₁₁₄ A₁₁₅ A₁₁₆ A₁₁₇ A₁₁₈ A₁₁₉ A₁₂₀ A₁₂₁ A₁₂₂ A₁₂₃ A₁₂₄ A₁₂₅ A₁₂₆ A₁₂₇ A₁₂₈ A₁₂₉ A₁₃₀ A₁₃₁ A₁₃₂ A₁₃₃ A₁₃₄ A₁₃₅ A₁₃₆ A₁₃₇ A₁₃₈ A₁₃₉ A₁₄₀ A₁₄₁ A₁₄₂ A₁₄₃ A₁₄₄ A₁₄₅ A₁₄₆ A₁₄₇ A₁₄₈ A₁₄₉ A₁₅₀ A₁₅₁ A₁₅₂ A₁₅₃ A₁₅₄ A₁₅₅ A₁₅₆ A₁₅₇ A₁₅₈ A₁₅₉ A₁₆₀ A₁₆₁ A₁₆₂ A₁₆₃ A₁₆₄ A₁₆₅ A₁₆₆ A₁₆₇ A₁₆₈ A₁₆₉ A₁₇₀ A₁₇₁ A₁₇₂ A₁₇₃ A₁₇₄ A₁₇₅ A₁₇₆ A₁₇₇ A₁₇₈ A₁₇₉ A₁₈₀ A₁₈₁ A₁₈₂ A₁₈₃ A₁₈₄ A₁₈₅ A₁₈₆ A₁₈₇ A₁₈₈ A₁₈₉ A₁₉₀ A₁₉₁ A₁₉₂ A₁₉₃ A₁₉₄ A₁₉₅ A₁₉₆ A₁₉₇ A₁₉₈ A₁₉₉ A₂₀₀ A₂₀₁ A₂₀₂ A₂₀₃ A₂₀₄ A₂₀₅ A₂₀₆ A₂₀₇ A₂₀₈ A₂₀₉ A₂₁₀ A₂₁₁ A₂₁₂ A₂₁₃ A₂₁₄ A₂₁₅ A₂₁₆ A₂₁₇ A₂₁₈ A₂₁₉ A₂₂₀ A₂₂₁ A₂₂₂ A₂₂₃ A₂₂₄ A₂₂₅ A₂₂₆ A₂₂₇ A₂₂₈ A₂₂₉ A₂₃₀ A₂₃₁ A₂₃₂ A₂₃₃ A₂₃₄ A₂₃₅ A₂₃₆ A₂₃₇ A₂₃₈ A₂₃₉ A₂₄₀ A₂₄₁ A₂₄₂ A₂₄₃ A₂₄₄ A₂₄₅ A₂₄₆ A₂₄₇ A₂₄₈ A₂₄₉ A₂₅₀ A₂₅₁ A₂₅₂ A₂₅₃ A₂₅₄ A₂₅₅ A₂₅₆ A₂₅₇ A₂₅₈ A₂₅₉ A₂₆₀ A₂₆₁ A₂₆₂ A₂₆₃ A₂₆₄ A₂₆₅ A₂₆₆ A₂₆₇ A₂₆₈ A₂₆₉ A₂₇₀ A₂₇₁ A₂₇₂ A₂₇₃ A₂₇₄ A₂₇₅ A₂₇₆ A₂₇₇ A₂₇₈ A₂₇₉ A₂₈₀ A₂₈₁ A₂₈₂ A₂₈₃ A₂₈₄ A₂₈₅ A₂₈₆ A₂₈₇ A₂₈₈ A₂₈₉ A₂₉₀ A₂₉₁ A₂₉₂ A₂₉₃ A₂₉₄ A₂₉₅ A₂₉₆ A₂₉₇ A₂₉₈ A₂₉₉ A₃₀₀ A₃₀₁ A₃₀₂ A₃₀₃ A₃₀₄ A₃₀₅ A₃₀₆ A₃₀₇ A₃₀₈ A₃₀₉ A₃₁₀ A₃₁₁ A₃₁₂ A₃₁₃ A₃₁₄ A₃₁₅ A₃₁₆ A₃₁₇ A₃₁₈ A₃₁₉ A₃₂₀ A₃₂₁ A₃₂₂ A₃₂₃ A₃₂₄ A₃₂₅ A₃₂₆ A₃₂₇ A₃₂₈ A₃₂₉ A₃₃₀ A₃₃₁ A₃₃₂ A₃₃₃ A₃₃₄ A₃₃₅ A₃₃₆ A₃₃₇ A₃₃₈ A₃₃₉ A₃₄₀ A₃₄₁ A₃₄₂ A₃₄₃ A₃₄₄ A₃₄₅ A₃₄₆ A₃₄₇ A₃₄₈ A₃₄₉ A₃₅₀ A₃₅₁ A₃₅₂ A₃₅₃ A₃₅₄ A₃₅₅ A₃₅₆ A₃₅₇ A₃₅₈ A₃₅₉ A₃₆₀ A₃₆₁ A₃₆₂ A₃₆₃ A₃₆₄ A₃₆₅ A₃₆₆ A₃₆₇ A₃₆₈ A₃₆₉ A₃₇₀ A₃₇₁ A₃₇₂ A₃₇₃ A₃₇₄ A₃₇₅ A₃₇₆ A₃₇₇ A₃₇₈ A₃₇₉ A₃₈₀ A₃₈₁ A₃₈₂ A₃₈₃ A₃₈₄ A₃₈₅ A₃₈₆ A₃₈₇ A₃₈₈ A₃₈₉ A₃₉₀ A₃₉₁ A₃₉₂ A₃₉₃ A₃₉₄ A₃₉₅ A₃₉₆ A₃₉₇ A₃₉₈ A₃₉₉ A₄₀₀ A₄₀₁ A₄₀₂ A₄₀₃ A₄₀₄ A₄₀₅ A₄₀₆ A₄₀₇ A₄₀₈ A₄₀₉ A₄₁₀ A₄₁₁ A₄₁₂ A₄₁₃ A₄₁₄ A₄₁₅ A₄₁₆ A₄₁₇ A₄₁₈ A₄₁₉ A₄₂₀ A₄₂₁ A₄₂₂ A₄₂₃ A₄₂₄ A₄₂₅ A₄₂₆ A₄₂₇ A₄₂₈ A₄₂₉ A₄₃₀ A₄₃₁ A₄₃₂ A₄₃₃ A₄₃₄ A₄₃₅ A₄₃₆ A₄₃₇ A₄₃₈ A₄₃₉ A₄₄₀ A₄₄₁ A₄₄₂ A₄₄₃ A₄₄₄ A₄₄₅ A₄₄₆ A₄₄₇ A₄₄₈ A₄₄₉ A₄₅₀ A₄₅₁ A₄₅₂ A₄₅₃ A₄₅₄ A₄₅₅ A₄₅₆ A₄₅₇ A₄₅₈ A₄₅₉ A₄₆₀ A₄₆₁ A₄₆₂ A₄₆₃ A₄₆₄ A₄₆₅ A₄₆₆ A₄₆₇ A₄₆₈ A₄₆₉ A₄₇₀ A₄₇₁ A₄₇₂ A₄₇₃ A₄₇₄ A₄₇₅ A₄₇₆ A₄₇₇ A₄₇₈ A₄₇₉ A₄₈₀ A₄₈₁ A₄₈₂ A₄₈₃ A₄₈₄ A₄₈₅ A₄₈₆ A₄₈₇ A₄₈₈ A₄₈₉ A₄₉₀ A₄₉₁ A₄₉₂ A₄₉₃ A₄₉₄ A₄₉₅ A₄₉₆ A₄₉₇ A₄₉₈ A₄₉₉ A₅₀₀ A₅₀₁ A₅₀₂ A₅₀₃ A₅₀₄ A₅₀₅ A₅₀₆ A₅₀₇ A₅₀₈ A₅₀₉ A₅₁₀ A₅₁₁ A₅₁₂ A₅₁₃ A₅₁₄ A₅₁₅ A₅₁₆ A₅₁₇ A₅₁₈ A₅₁₉ A₅₂₀ A₅₂₁ A₅₂₂ A₅₂₃ A₅₂₄ A₅₂₅ A₅₂₆ A₅₂₇ A₅₂₈ A₅₂₉ A₅₃₀ A₅₃₁ A₅₃₂ A₅₃₃ A₅₃₄ A₅₃₅ A₅₃₆ A₅₃₇ A₅₃₈ A₅₃₉ A₅₄₀ A₅₄₁ A₅₄₂ A₅₄₃ A₅₄₄ A₅₄₅ A₅₄₆ A₅₄₇ A₅₄₈ A₅₄₉ A₅₅₀ A₅₅₁ A₅₅₂ A₅₅₃ A₅₅₄ A₅₅₅ A₅₅₆ A₅₅₇ A₅₅₈ A₅₅₉ A₅₆₀ A₅₆₁ A₅₆₂ A₅₆₃ A₅₆₄ A₅₆₅ A₅₆₆ A₅₆₇ A₅₆₈ A₅₆₉ A₅₇₀ A₅₇₁ A₅₇₂ A₅₇₃ A₅₇₄ A₅₇₅ A₅₇₆ A₅₇₇ A₅₇₈ A₅₇₉ A₅₈₀ A₅₈₁ A₅₈₂ A₅₈₃ A₅₈₄ A₅₈₅ A₅₈₆ A₅₈₇ A₅₈₈ A₅₈₉ A₅₉₀ A₅₉₁ A₅₉₂ A₅₉₃ A₅₉₄ A₅₉₅ A₅₉₆ A₅₉₇ A₅₉₈ A₅₉₉ A₆₀₀ A₆₀₁ A₆₀₂ A₆₀₃ A₆₀₄ A₆₀₅ A₆₀₆ A₆₀₇ A₆₀₈ A₆₀₉ A₆₁₀ A₆₁₁ A₆₁₂ A₆₁₃ A₆₁₄ A₆₁₅ A₆₁₆ A₆₁₇ A₆₁₈ A₆₁₉ A₆₂₀ A₆₂₁ A₆₂₂ A₆₂₃ A₆₂₄ A₆₂₅ A₆₂₆ A₆₂₇ A₆₂₈ A₆₂₉ A₆₃₀ A₆₃₁ A₆₃₂ A₆₃₃ A₆₃₄ A₆₃₅ A₆₃₆ A₆₃₇ A₆₃₈ A₆₃₉ A₆₄₀ A₆₄₁ A₆₄₂ A₆₄₃ A₆₄₄ A₆₄₅ A₆₄₆ A₆₄₇ A₆₄₈ A₆₄₉ A₆₅₀ A₆₅₁ A₆₅₂ A₆₅₃ A₆₅₄ A₆₅₅ A₆₅₆ A₆₅₇ A₆₅₈ A₆₅₉ A₆₆₀ A₆₆₁ A₆₆₂ A₆₆₃ A₆₆₄ A₆₆₅ A₆₆₆ A₆₆₇ A₆₆₈ A₆₆₉ A₆₇₀ A₆₇₁ A₆₇₂ A₆₇₃ A₆₇₄ A₆₇₅ A₆₇₆ A₆₇₇ A₆₇₈ A₆₇₉ A₆₈₀ A₆₈₁ A₆₈₂ A₆₈₃ A₆₈₄ A₆₈₅ A₆₈₆ A₆₈₇ A₆₈₈ A₆₈₉ A₆₉₀ A₆₉₁ A₆₉₂ A₆₉₃ A₆₉₄ A₆₉₅ A₆₉₆ A₆₉₇ A₆₉₈ A₆₉₉ A₇₀₀ A₇₀₁ A₇₀₂ A₇₀₃ A₇₀₄ A₇₀₅ A₇₀₆ A₇₀₇ A₇₀₈ A₇₀₉ A₇₁₀ A₇₁₁ A₇₁₂ A₇₁₃ A₇₁₄ A₇₁₅ A₇₁₆ A₇₁₇ A₇₁₈ A₇₁₉ A₇₂₀ A₇₂₁ A₇₂₂ A₇₂₃ A₇₂₄ A₇₂₅ A₇₂₆ A₇₂₇ A₇₂₈ A₇₂₉ A₇₃₀ A₇₃₁ A₇₃₂ A₇₃₃ A₇₃₄ A₇₃₅ A₇₃₆ A₇₃₇ A₇₃₈ A₇₃₉ A₇₄₀ A₇₄₁ A₇₄₂ A₇₄₃ A₇₄₄ A₇₄₅ A₇₄₆ A₇₄₇ A₇₄₈ A₇₄₉ A₇₅₀ A₇₅₁ A₇₅₂ A₇₅₃ A₇₅₄ A₇₅₅ A₇₅₆ A₇₅₇ A₇₅₈ A₇₅₉ A₇₆₀ A₇₆₁ A₇₆₂ A₇₆₃ A₇₆₄ A₇₆₅ A₇₆₆ A₇₆₇ A₇₆₈ A₇₆₉ A₇₇₀ A₇₇₁ A₇₇₂ A₇₇₃ A₇₇₄ A₇₇₅ A₇₇₆ A₇₇₇ A₇₇₈ A₇₇₉ A₇₈₀ A₇₈₁ A₇₈₂ A₇₈₃ A₇₈₄ A₇₈₅ A₇₈₆ A₇₈₇ A₇₈₈ A₇₈₉ A₇₉₀ A₇₉₁ A₇₉₂ A₇₉₃ A₇₉₄ A₇₉₅ A₇₉₆ A₇₉₇ A₇₉₈ A₇₉₉ A₈₀₀ A₈₀₁ A₈₀₂ A₈₀₃ A₈₀₄ A₈₀₅ A₈₀₆ A₈₀₇ A₈₀₈ A₈₀₉ A₈₁₀ A₈₁₁ A₈₁₂ A₈₁₃ A₈₁₄ A₈₁₅ A₈₁₆ A₈₁₇ A₈₁₈ A₈₁₉ A₈₂₀ A₈₂₁ A₈₂₂ A₈₂₃ A₈₂₄ A₈₂₅ A₈₂₆ A₈₂₇ A₈₂₈ A₈₂₉ A₈₃₀ A₈₃₁ A₈₃₂ A₈₃₃ A₈₃₄ A₈₃₅ A₈₃₆ A₈₃₇ A₈₃₈ A₈₃₉ A₈₄₀ A₈₄₁ A₈₄₂ A₈₄₃ A₈₄₄ A₈₄₅ A₈₄₆ A₈₄₇ A₈₄₈ A₈₄₉ A₈₅₀ A₈₅₁ A₈₅₂ A₈₅₃ A₈₅₄ A₈₅₅

△ COMPONENT IDENTIFICATION CHART

PART	CAH-705AL	CAH-705AH	CAH-705BL	CAH-705BH
	29~42MHz 60W	29~42MHz 110W	35~50MHz 60W	35~50MHz 110W
C8	—	0.0022 μ	—	0.0022 μ
C10	10P	10P	—	—
C16	0.1 μ	0.1 μ	0.1 μ	120P
C17	47P	220P	39P	22P
C18	—	820P	—	820P
C19	330P	470P	330P	330P
C20	—	180P	120P	—
C22	220P	270P	220P	180P
C23	—	180P	120P	—
C25	220P	270P	220P	180P
C26	330P	390P	270P	330P
C27	390P	470P	390P	820P
C31	68P	68P	56P	56P
C32	39P	56P	30P	39P
C33	18P	18P	15P	15P
C45	75P	75P	56P	56P
C46	130P	130P	100P	100P
C47	180P	180P	130P	130P
C48	130P	130P	100P	100P
C49	56P	56P	47P	47P
CD6	—	ISS184	—	ISS184
CD7	—	ISS184	—	ISS184
L4	BI9/6LAFD01132	BI9/6LAFD01132	BI9/6LAFD01285	BI9/6LAFD01285
R34	5.6 Ω 1/8W	—	5.6 Ω 1/8W	—
R35	6.8 Ω 1/8W	2.2 Ω 1/8W	6.8 Ω 1/8W	2.2 Ω 1/8W
R9	56 Ω 2W	47 Ω 2W	56 Ω 2W	47 Ω 2W
R11	—	10 Ω 2W	—	10 Ω 2W
R12	4.7 Ω 1W	2.2 Ω 1W	4.7 Ω 1W	2.2 Ω 1W
R13	4.7 Ω 1W	2.2 Ω 1W	4.7 Ω 1W	2.2 Ω 1W
R32	0 Ω 1/10W	—	0 Ω 1/10W	—
R33	0 Ω 1/10W	—	0 Ω 1/10W	—
T3	BI9/6LHFD00004	BI9/6LHFD00009	BI9/6LHFD00004	BI9/6LHFD00004
T4	BI9/6LHFD00011	BI9/6LHFD00012	BI9/6LHFD00011	BI9/6LHFD00013
T5	BI9/6LHLD00001	BI9/6LHFD00010	BI9/6LHLD00001	BI9/6LHFD00010
TR3	2SC2540	2SC2782	2SC2540	2SC2782
TR4	2SC2540	2SC2782	2SC2540	2SC2782
W1	BI9/6ZCLD00058	—	BI9/6ZCLD00058	—

EXCITER AMP

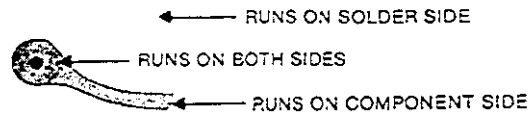
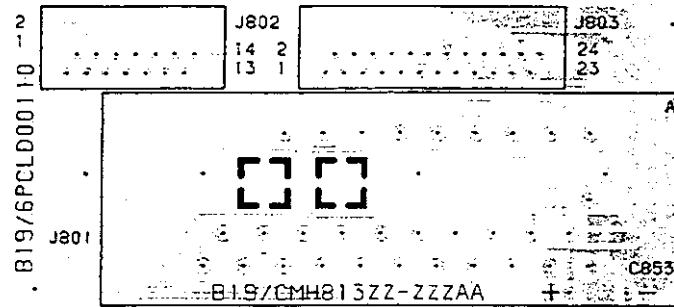


NOTE

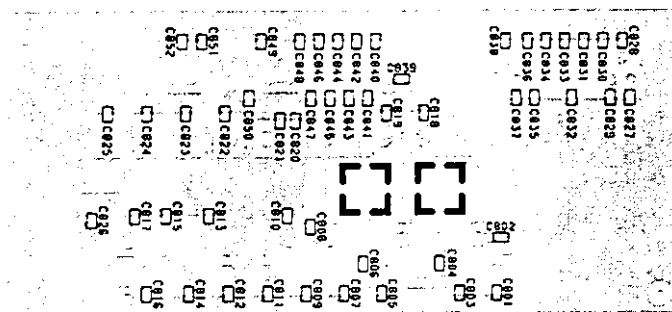
"#" IDENTIFIES CHIP COMPONENTS (EXAMPLE #C171) WHICH ARE LOCATED ON SOLDER SIDE OF PWB.

ALL RESISTORS ARE 1/10 WATT UNLESS OTHERWISE SPECIFIED.
 RESISTOR VALUES IN Ω UNLESS FOLLOWED BY MULTIPLIER k OR M.
 CAPACITOR VALUES IN F UNLESS FOLLOWED BY MULTIPLIER u, n OR p.
 INDUCTANCE VALUES IN H UNLESS FOLLOWED BY MULTIPLIER m OR u.

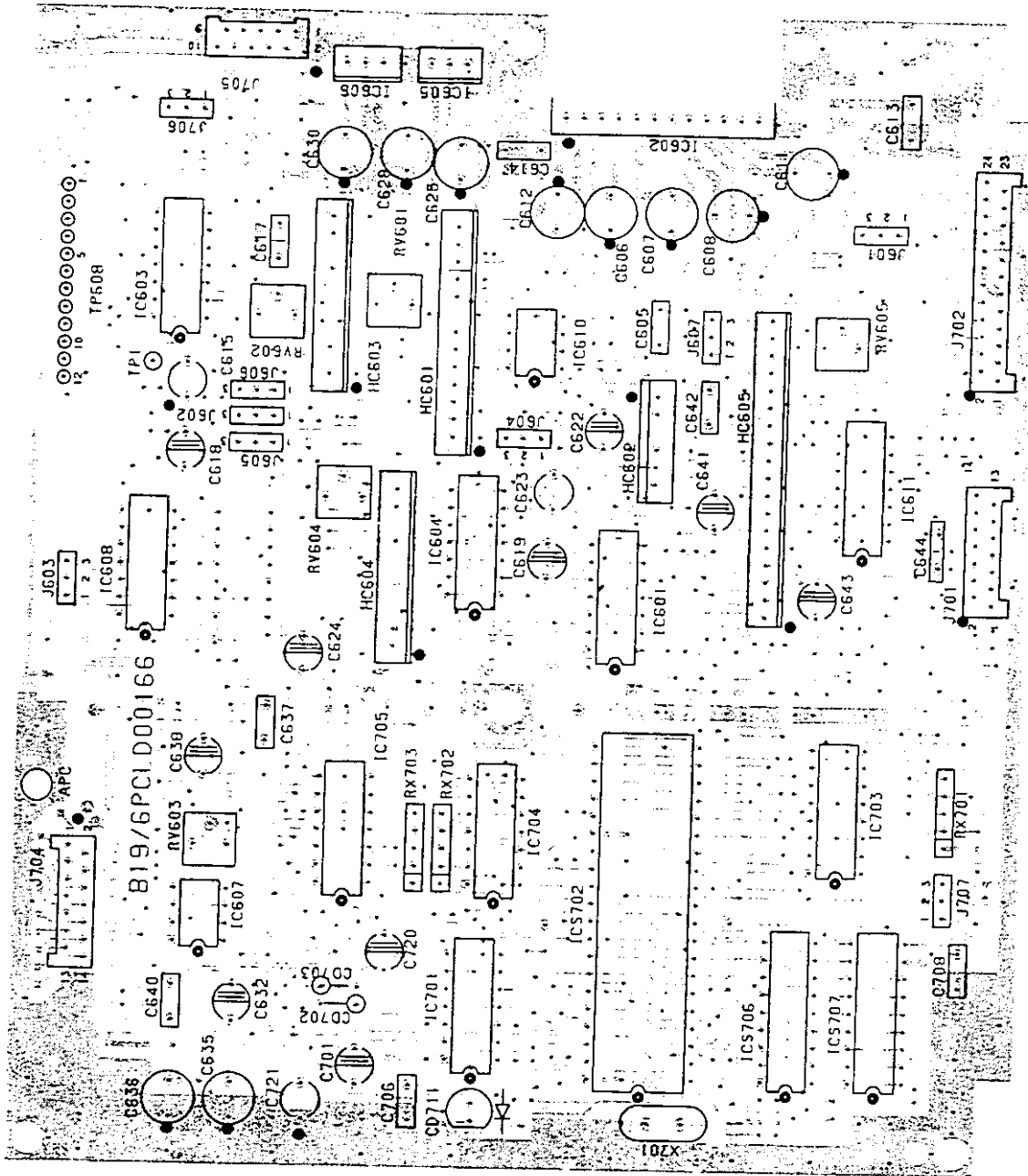
SCHEMATIC DIAGRAM
 29-50MHz EXCITER
 DD00-CMN-203



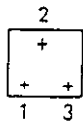
INTERFACE BOARD
(COMPONENT SIDE)



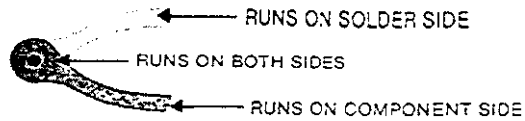
INTERFACE BOARD
(SOLDER SIDE)



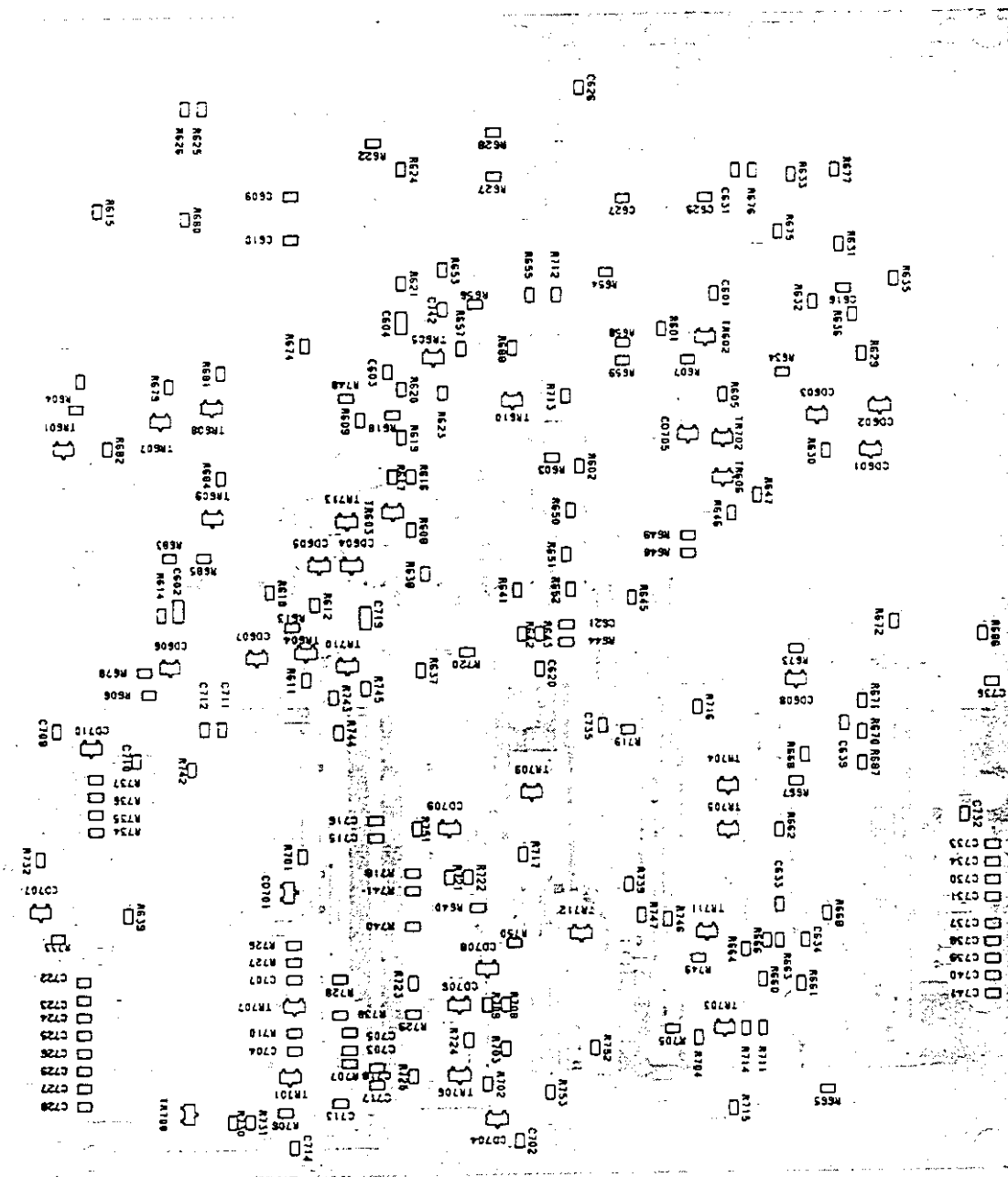
LEAD IDENTIFICATION
FOR VOLUME



(TOP VIEW)



SYSTEM CONTROL BOARD
(COMPONENT SIDE)

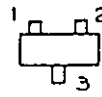


LEAD IDENTIFICATION
FOR TRANSISTOR



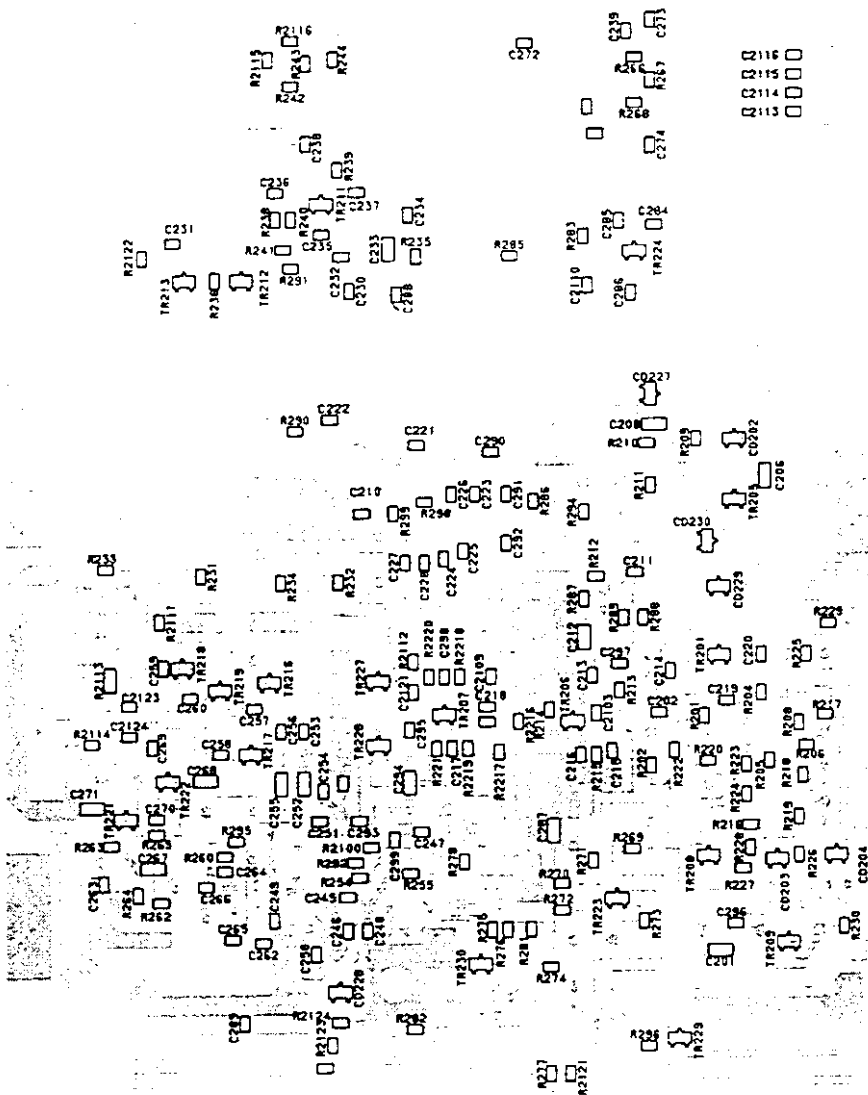
(TOP VIEW)

LEAD IDENTIFICATION
FOR DIODES

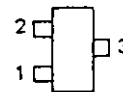


(TOP VIEW)

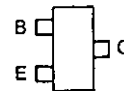
SYSTEM CONTROL BOARD
(SOLDER SIDE)



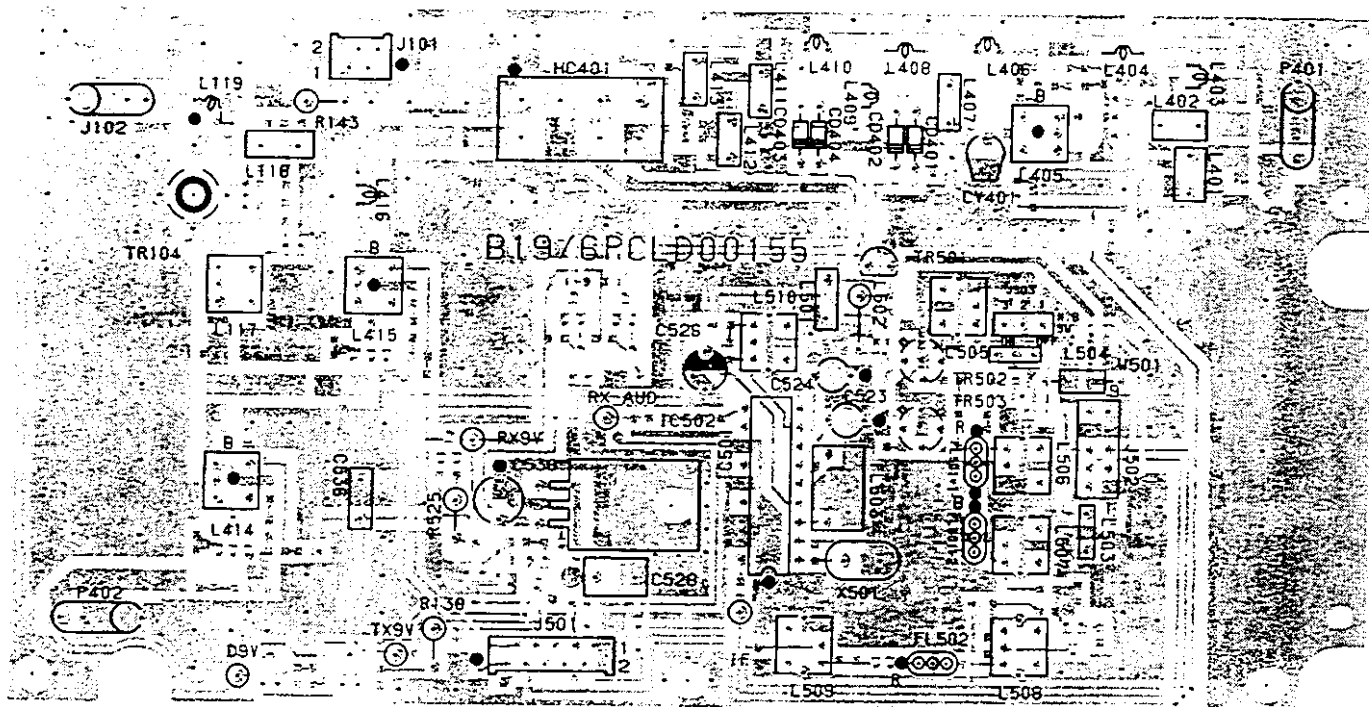
LEAD IDENTIFICATION
FOR DIODES
(TOP VIEW)

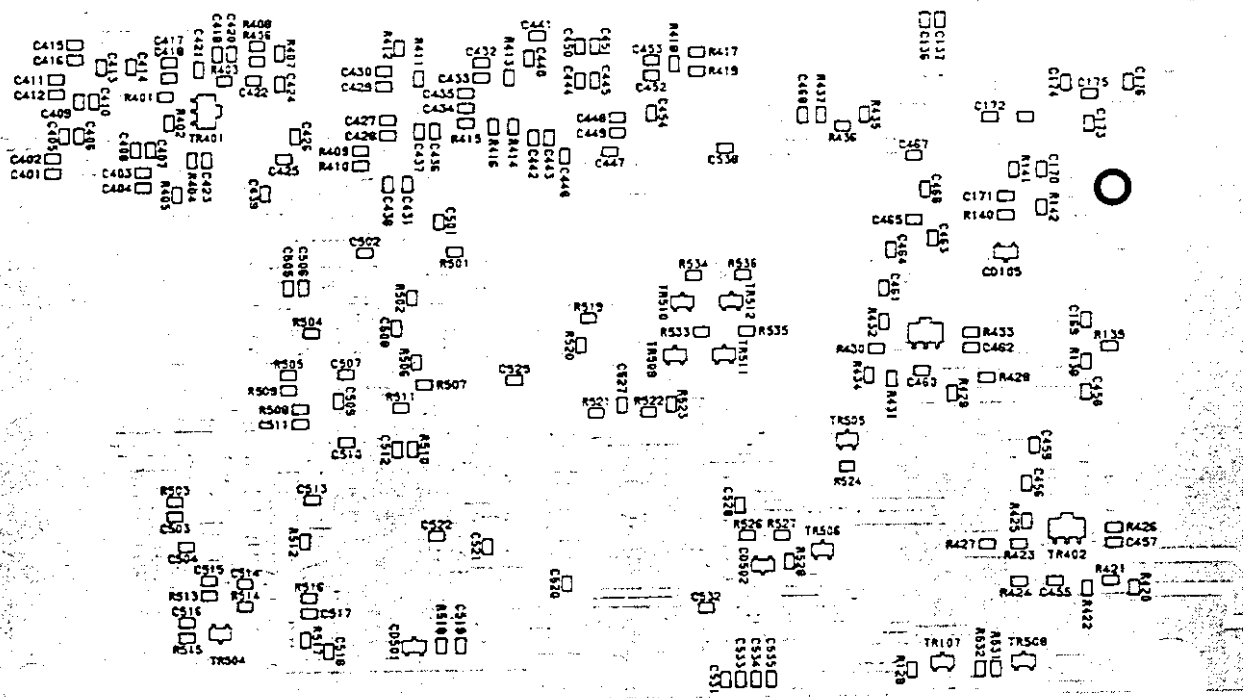


LEAD IDENTIFICATION
FOR TRANSISTORS
(TOP VIEW)

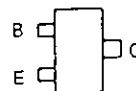


FREQUENCY SYNTHESIZER
(SOLDER SIDE)

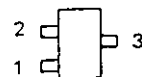
RECEIVER/EXCITER BOARD
(COMPONENT SIDE)



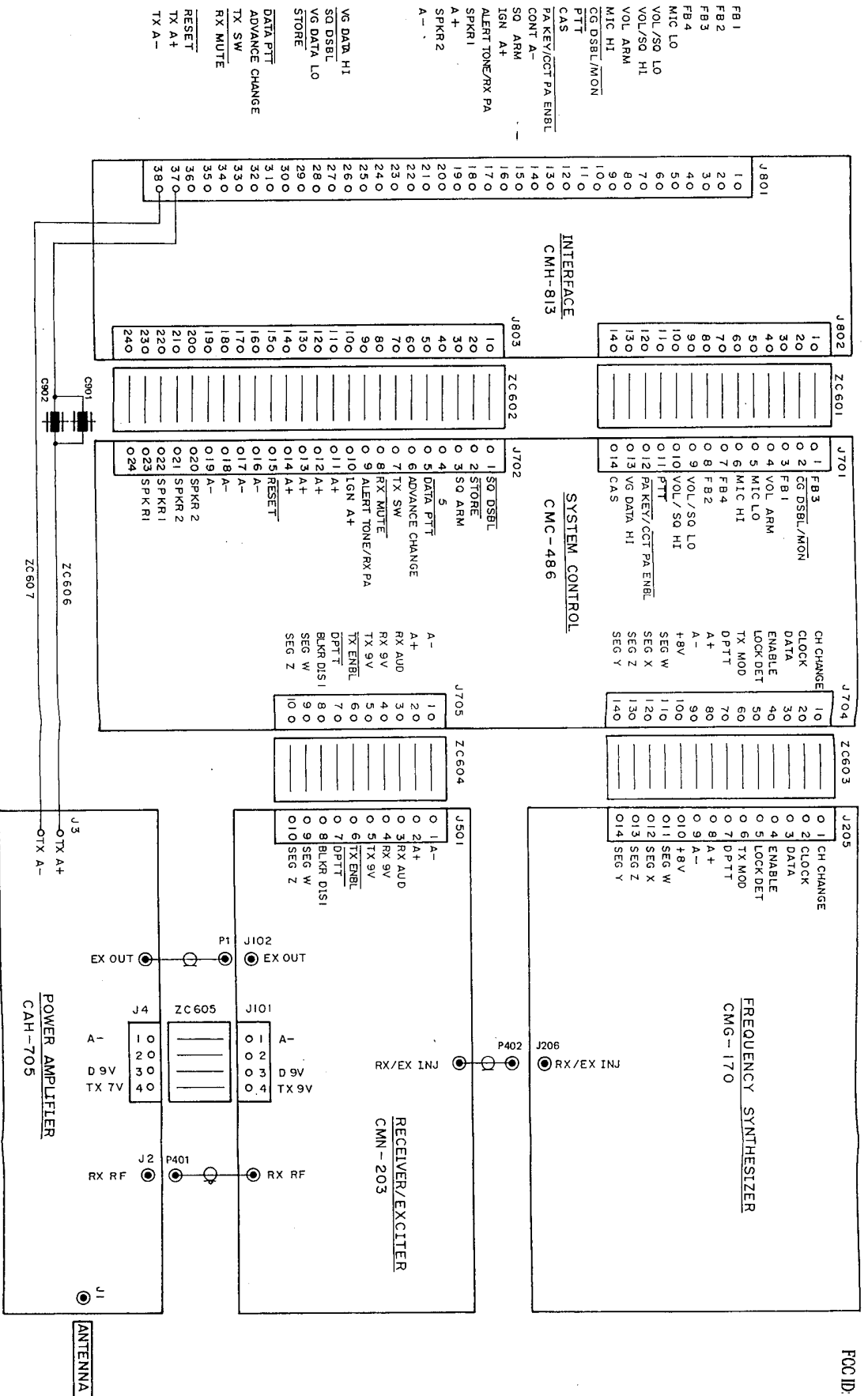
LEAD IDENTIFICATION
FOR CD 501
(TOP VIEW)



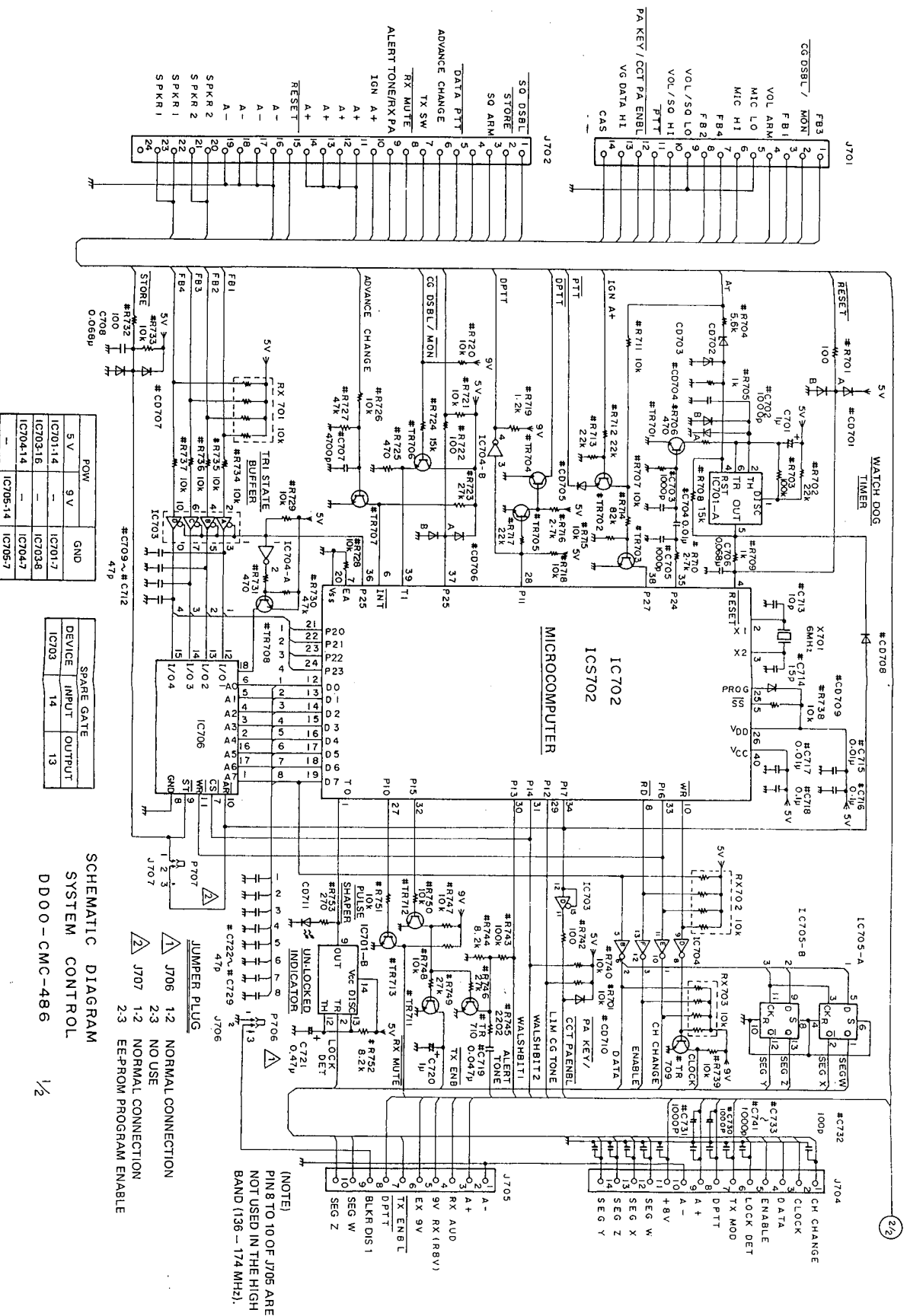
LEAD IDENTIFICATION
FOR TRANSISTORS
(TOP VIEW)



RECEIVER/EXCITER BOARD
(SOLDER SIDE)



INTERCONNECTION DIAGRAM
DD00-JHM-155





SCHEMATIC DIAGRAM
SYSTEM CONTROL
DDOO-CMC-486

D D O O - C M C - 4 8 6

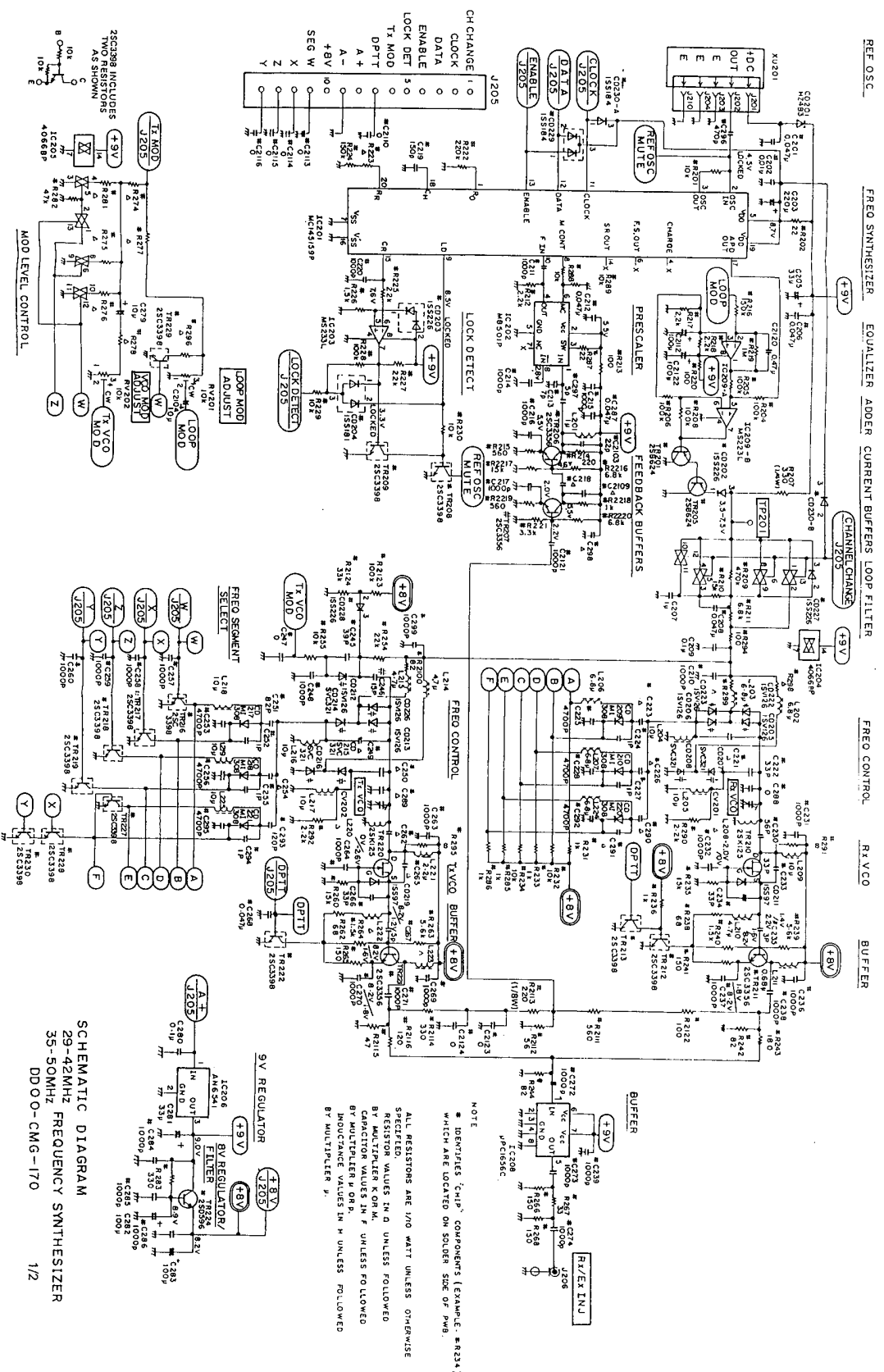
- | | |
|---|---|
| 3 | P601 2.3 NORMAL CONNECTION
2.3 ALERT TONE/HF PA DISABLE |
| 4 | P602 3.2 CG TONE REJECT FILTER USED
2.3 CG TONE REJECT FILTER NOT USED |
| 5 | P603 3.2 RECEIVE CG POLARITY NORMAL
2.3 RECEIVE CG POLARITY INVERTED |
| 6 | P604 2.3 TRANSMIT CG POLARITY NORMAL
2.3 TRANSMIT CG POLARITY INVERTED |
| 7 | P605 2.3 WITH VOICE GUARD
1.2 NORMAL |
| 8 | P606 1.2 NORMAL
2.3 WITH VOICE GUARD |
| 9 | P607 1.2 NORMAL
2.3 WITH VOICE GUARD |

DC VOLTAGE CHECK
SQUELCH CIRCUIT SHOWN FOR UNSQUELCHED/SQUELCHED
AUDIO PROCESSOR CIRCUIT SHOWN FOR DPTT LOW/DPTT HIGH

18 V	QND
IC6801:14	IC6801:7
IC6801:4	IC6803:11
IC6801:4	IC6804:11
—	IC6807:4
IC6808:14	IC6808:7
IC689:14	IC689:7

SPARE GATE			
DEVICE	INPUT	OUTPUT	CONTROL
IC609	3	4	5
	8	9	6
	10	11	12

TEST POINT	
TP608	
1	A -
2	TX MOD
3	R9V
4	5V
5	RX AUD
6	
7	CG DSRL
8	EX 9V
9	48V
10	PTT
11	9V
12	A +

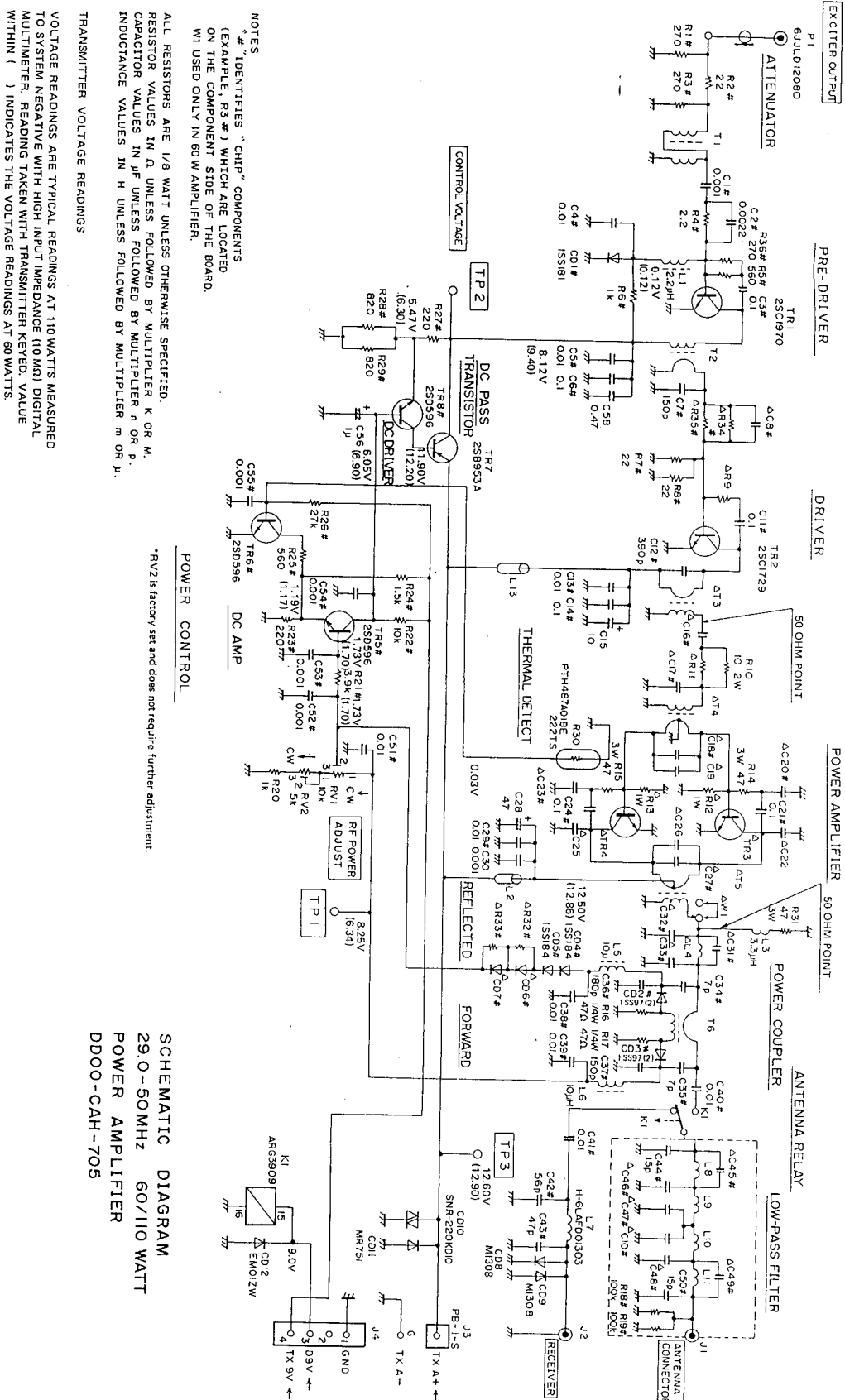


Δ COMPONENT IDENTIFICATION CHART

SYMBOL	CMG-170A (29-42 MHz)	CMG-170B (35-50 MHz)
C218	47pF	22pF
C221	18pF	27pF
C223	56pF	68pF
C226	18pF	22pF
C249	100pF	68pF
C250	120pF	100pF
C254	27pF	22pF
C262	150pF	100pF
C265	56pF	47pF
C289	18pF	4pF
C290	100pF	120pF
C291	1pF	10pF
C298	0.01μF	1000pF
C2109	100pF	0
L208	JR-NB-7561	JR-NB-7560
L220	JR-NB-7563	JR-NB-7562
L222	4.7μH	2.2μH
L223	1.5μH	1μH
R223	22kΩ	1kΩ
R270	47kΩ	33kΩ
R272	2.2kΩ	1kΩ
R274	4.7kΩ	6.8kΩ
R275	10kΩ	22kΩ
R276	4.7kΩ	6.8kΩ
R277	4.7kΩ	2.7kΩ
R278	8.2kΩ	18kΩ
R281	27kΩ	47kΩ
R296	56kΩ	33kΩ
R298	100Ω	82Ω
R299	100Ω	82Ω

SCHEMATIC DIAGRAM

29-42 MHz FREQUENCY SYNTHESIZER
 35-50 MHz
 DDOO-CMG-170 2/2



Δ COMPONENT IDENTIFICATION CHART

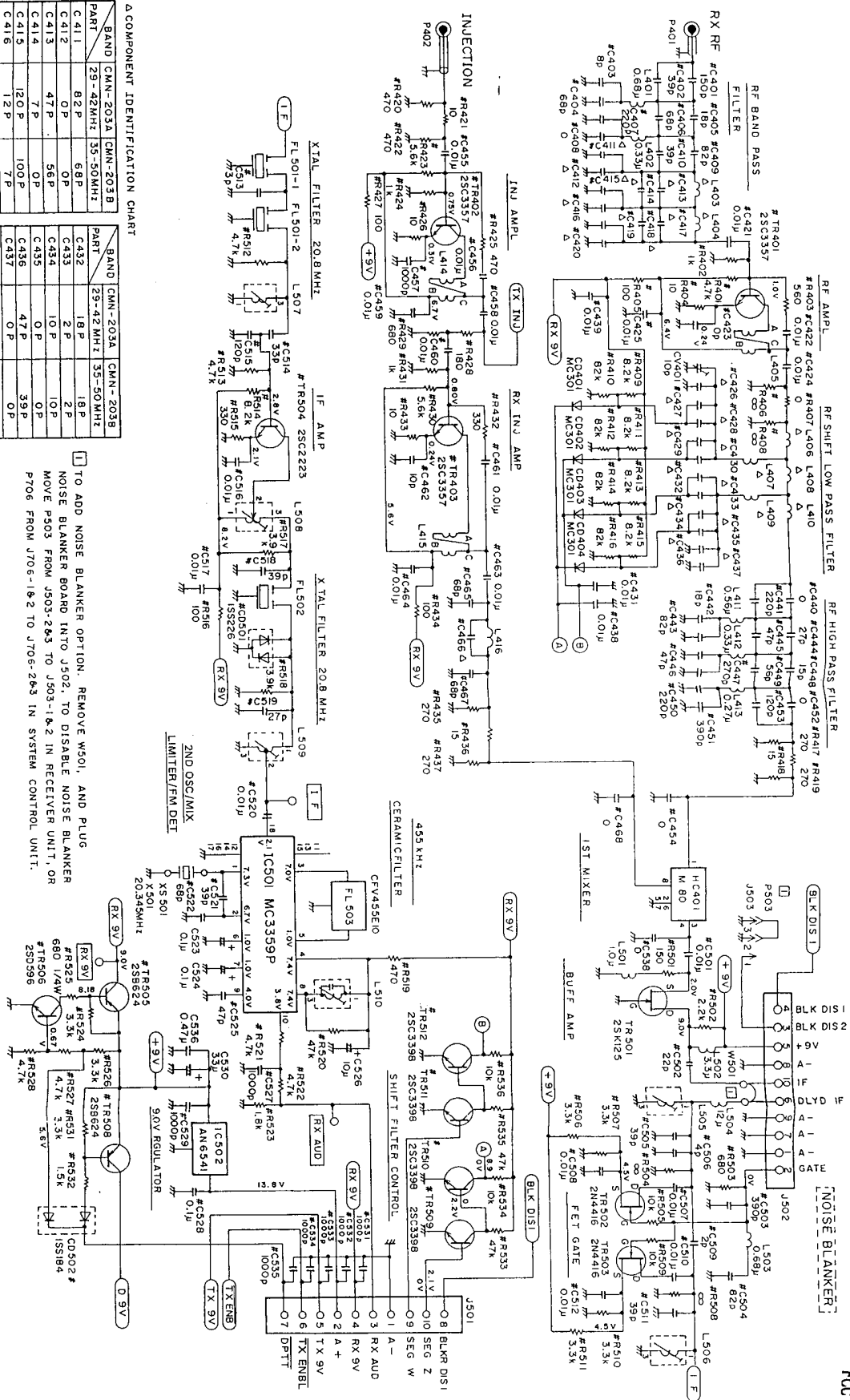
PART	BAND		PART	BAND	
	CMN-203A	CMN-203B		CMN-203A	CMN-203B
	29-42MHz	35-50MHz	29-42 MHz	35-50MHz	
C411	82P	68P	C432	18P	18P
C412	0P	0P	C433	2P	2P
C413	47P	56P	C434	10P	10P
C414	7P	0P	C435	0P	0P
C415	120P	100P	C436	47P	39P
C416	12P	7P	C437	0P	0P
C417	12P	18P	C466	33P	27P
C418	4P	2P	L403	LD10012	LD10015
C419	100P	82P	L404	LD10018	LD10015
C420	0P	0P	L406	LD10012	LD10010
C426	0P	0P	L407	0.68J	0.56J
C427	5P	3P	L408	LD10020	LD10018
C428	0P	0P	L409	LD10012	LD10010
C429	0P	8P	L410	LD10012	LD10010
C430	0P	0P			

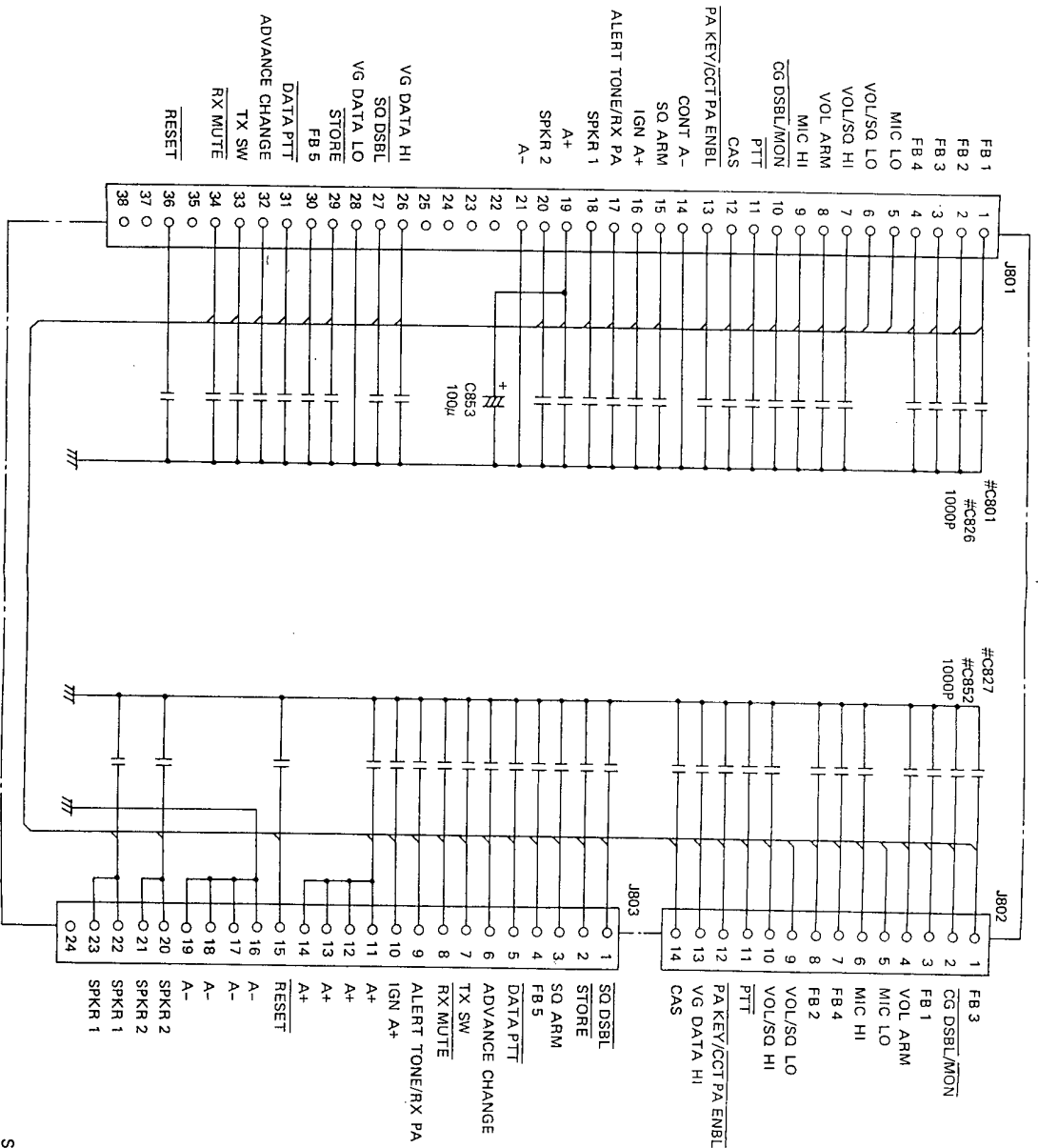
1 TO ADD NOISE BLANKER OPTION, REMOVE W501, AND PLUG NOISE BLANKER BOARD INTO J502, TO DISABLE NOISE BLANKER MOVE P503 FROM J503-2&3 TO J503-1&2 IN RECEIVER UNIT, OR P706 FROM J706-1&2 TO J706-2&3 IN SYSTEM CONTROL UNIT.

"#" IDENTIFIES CHIP COMPONENTS (EXAMPLE #C401) WHICH ARE LOCATED ON SOLDER SIDE OF PWB.

ALL RESISTORS ARE 1/10 WATT UNLESS OTHERWISE SPECIFIED.
RESISTOR VALUES IN Ω UNLESS FOLLOWED BY MULTIPLIER $\times$ OR M .
CAPACITOR VALUES IN F UNLESS FOLLOWED BY MULTIPLIER μ , n OR p .
INDUCTANCE VALUES IN H UNLESS FOLLOWED BY MULTIPLIER m OR μ .

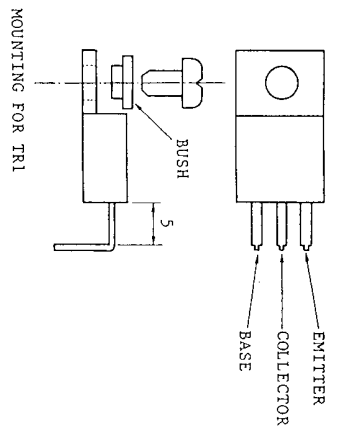
SCHEMATIC DIAGRAM
29-50MHz RECEIVER
DDOO-CMN-203



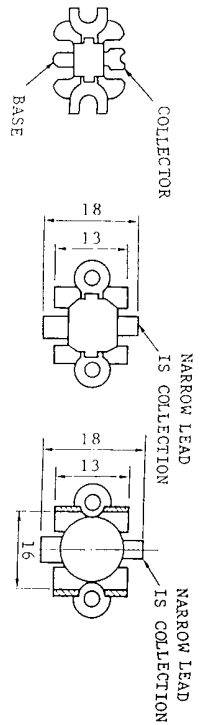


SCHEMATIC DIAGRAM
INTERFACE
DDOO-CMH-813

LEAD IDENTIFICATION FOR TR1

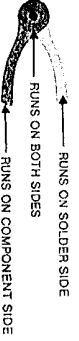
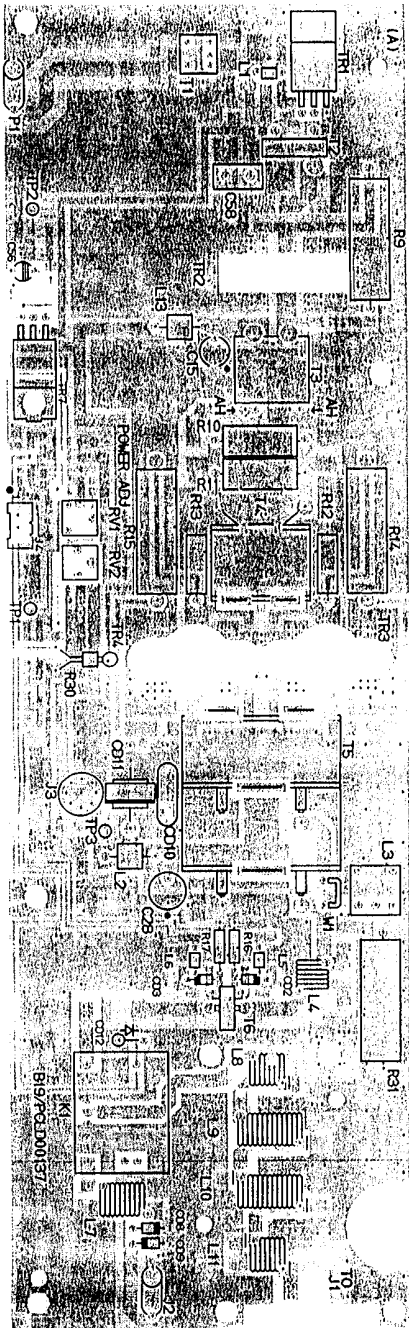


LEAD IDENTIFICATION
FOR TR 2



TYP LEAD TRIMMING
FOR TR 3 AND TR 4
(Used in AL and BL)

TYP LEAD TRIMMING INCLUDING MARK
FOR TR 3 AND TR 4
(Used in AH and BH)

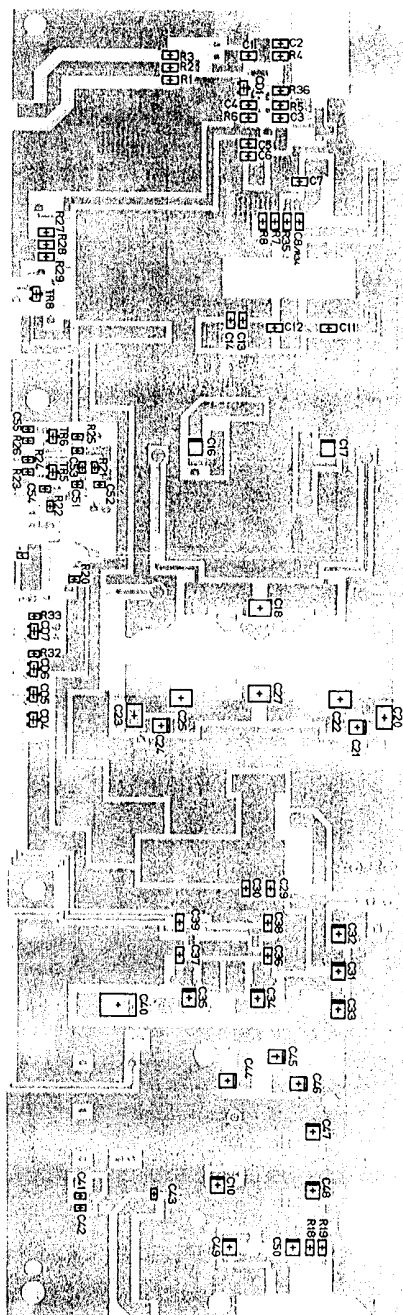


POWER AMPLIFIER BOARD
(COMPONENT SIDE)

LEAD IDENTIFICATION
FOR CD1, CD8, CD13, CD14 and CD15
(TOP VIEW)



LEAD IDENTIFICATION
FOR TRANSISTORS
(TOP VIEW)



NO COMPONENTS ARE MOUNTED
ON THE BACK OF COMPONENT SIDE

POWER AMPLIFIER BOARD

(CHIP COMPONENT ALLOCATION)