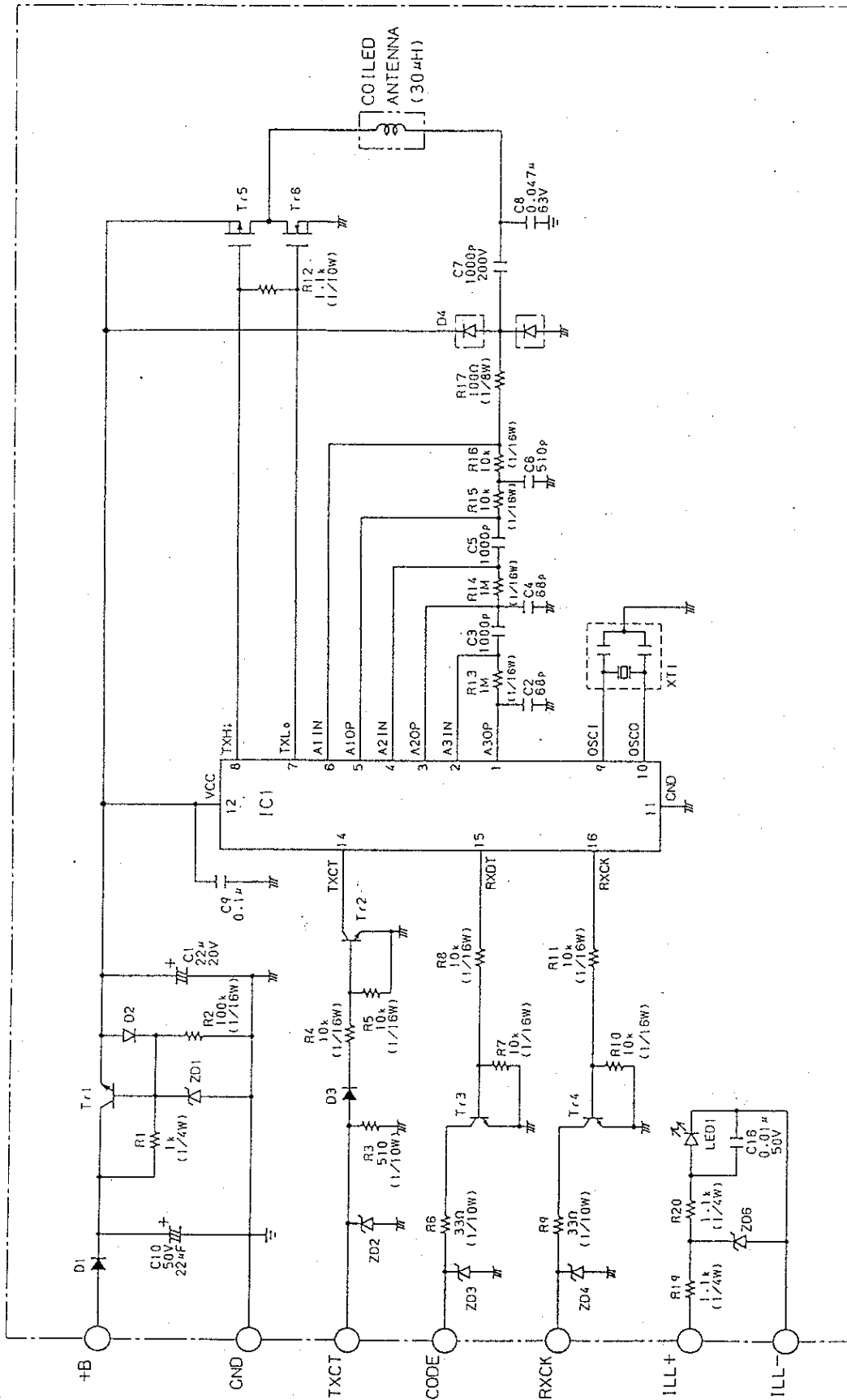
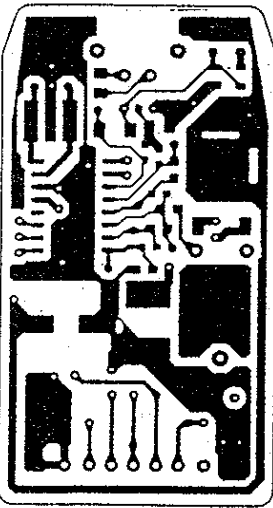
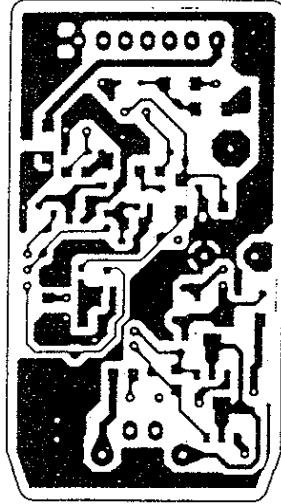




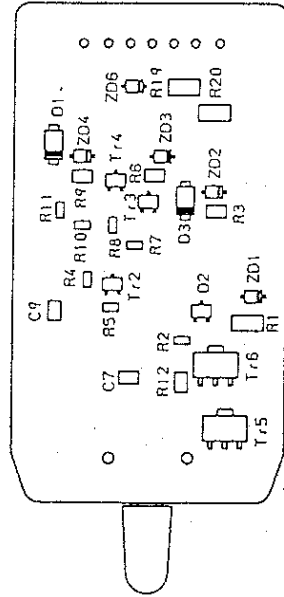
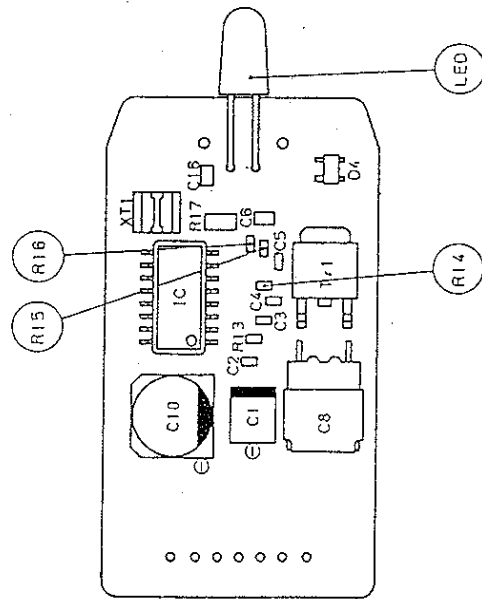


FIRST SURFACE



SECOND SURFACE

NAME	PRINTED PATTERN, AMPLIFIER
PART NO	627887-701
SCALE	FREE



NAME	PARTS LAYOUT. AMPLIFIER		
PART NO	627887-701		
SCALE	FREE		

Components List of Electric Circuit Boards of MDL RI-14BTY

1. transponder

TIRIS(manufactured by Texas Instruments)
(We do not have detailed components list.)

2. AMPLIFIER

SYM.	PARTS NAME	DESCRIPTION
1	PRINTED CIRCUIT BOARD	
IC1	IC, TIRIS	
XT1	CERAMIC RESONATOR	17.12MHz
TR1	TRANSISTOR	NPN 60V, 5A, 10W
TR2, 3, 4	TRANSISTOR	NPN 50V, 100mA, 150mW
TR5	FET	P-channel 60V, 1.5A, 2W
TR6	FET	N-channel 60V, 1A, 2W
D1, 3	DIODE	600V, 1A
D2	DIODE	80V, 100mA
D4	DIODE	200V, 100mA
ZD1	ZENER DIODE	5.6V, 200mW
ZD2, 3, 4, 6	ZENER DIODE	27v, 200mW
C1	CAPACITOR, TANTALUM	22 μ F, 20V
C2, 4	CAPACITOR, CERAMIC	0.000068 μ F, 50V
C3, 5	CAPACITOR, CERAMIC	0.001 μ F, 50V
C6	CAPACITOR, CERAMIC	0.00051 μ F, 50V
C7	CAPACITOR, CERAMIC	0.001 μ F, 200V
C8	CAPACITOR, FILM	0.047 μ F, 63V
C9	CAPACITOR, CERAMIC	0.1 μ F, 50V
C10	CAPACITOR, ALUMINUM	22 μ F, 50V
C16	CAPACITOR, CERAMIC	0.01 μ F, 50V
R1	RESISTOR	1k Ω , 1/4W
R2	RESISTOR	100k Ω , 1/16W
R3	RESISTOR	510k Ω , 1/10W
R4, 5, 7, 8, 10, 11	RESISTOR	10k Ω , 1/16W
R6, 9	RESISTOR	33 Ω , 1/10W
R12	RESISTOR	1.1k Ω , 1/10W
R13, 14	RESISTOR	1M Ω , 1/16W
R15, 16	RESISTOR	10k Ω , 1/16W
R17	RESISTOR	100k Ω , 1/8W
R19, R20	RESISTOR	1.1k Ω , 1/4W
LED1	LED	