

TRD1842A RECEIVE VCO

SCHEMATIC DIAGRAM, CIRCUIT BOARD DETAIL, AND PARTS LISTS

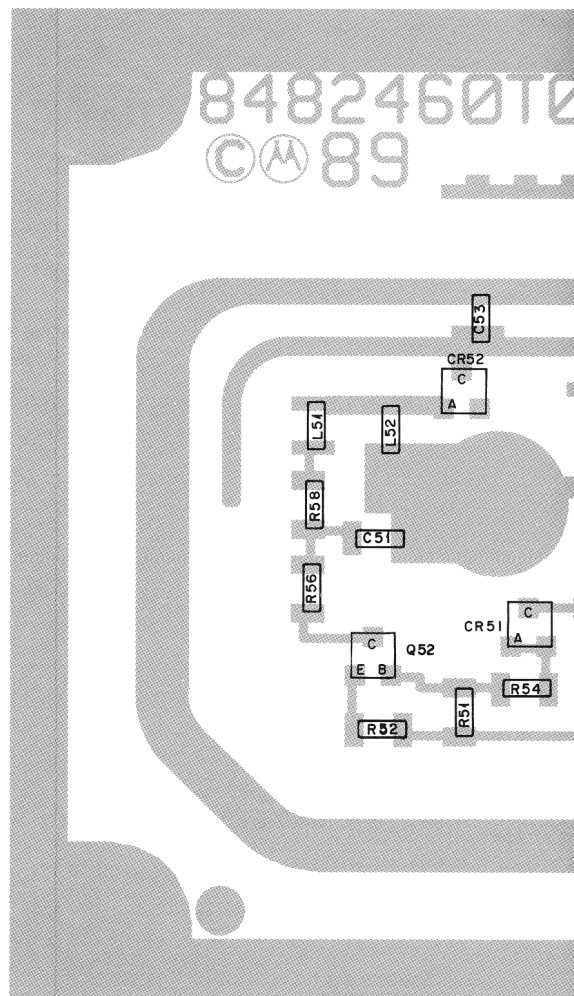
parts list

TRD6332A Receive VCO Board

PL-11283-B

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
capacitor, fixed: pF $\pm$ 5%; 50V: unless otherwise stated		
C51,52	2113741B21	.001uF
C53	2111078B31	36; 100V
C54	2111078B24	25; 100V
C55	2111078B32	39; 100V
C56	2111078B21	20; 100V
C57	2111078B20	18; 100V
C58	2113740B73	.001uF
C59	2111078B22	22; 100V
C60	2113741B21	.001uF
C61	2113740B73	.001uF
C62	2113741B21	.001uF
C63	2113740B07	1.8 $\pm$ 0.25pF
C64	2113741B21	.001uF
C65	2113740B29	15
diode: (see note)		
CR51	4811058A11	silicon
CR52	4884622E02	silicon
CR53 thru 56	4880006E10	silicon
CR57	4882106T01	type Schottky
coil, rf:		
L51 thru 53	2480140E02	1.8uH
L54	2480140E15	.275uH
L55	2480140E02	1.8uH
L56	2480140E01	1.2uH
L57	2480140E10	0.1uH
connector:		
P264B	0983729M01	receptacle: 7-contact
transistor: (see note)		
Q51	4811056A03	NPN
Q52	4811056A08	PNP
Q53	4884939C30	type JFET
Q54	4884939C32	NPN
resistor, fixed: $\pm$ 5%; 1/8W:		
R51	0611077A74	1000
R52	0611077A50	100
R53	0611077A98	10K
R54	0611077A74	1000
R55	0611077A50	100
R56	0611077A43	51
R57	0611077A50	100
R58	0611077A43	51
R59	0611077A40	39
R60	0611077A26	10
R61	0611077B06	20K
R62	0611077A57	200
R64	0611077A69	620
R65	0611077A74	1000
R66	0611077A54	150
thermistor: (see note)		
RT51	0680149M01	470 ohms

note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.



SHOWN FROM COMPONENT SIDE

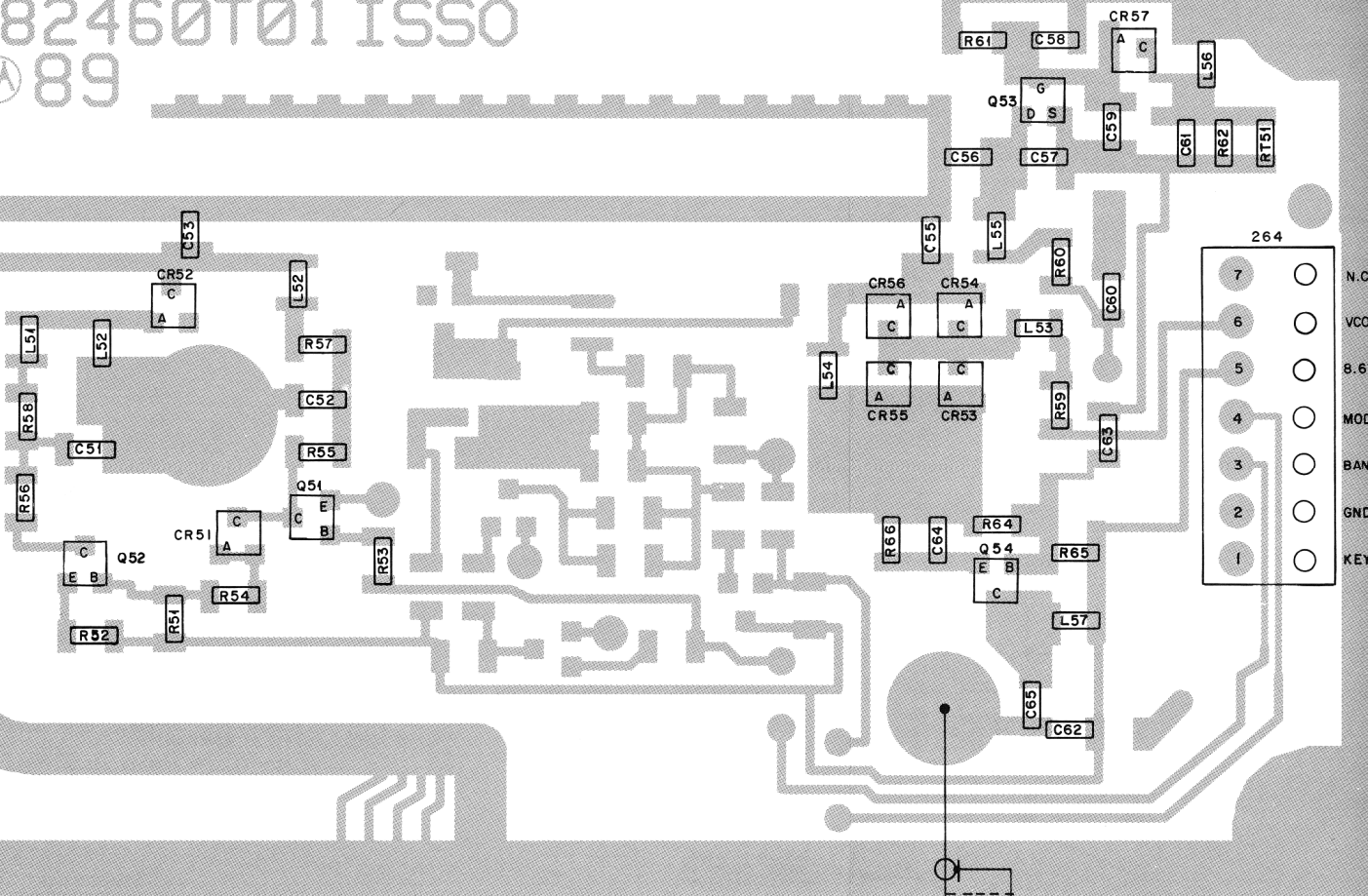
TLD9400A VCO Hardware

PL-11282-B

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
non-referenced items		
	0310943M17	SCREW, tapping: TT3.5 $\times$ 0.6 $\times$ 13; 7 used
	1582800T01	HOUSING, high band
	1582801T01	COVER, VCO high band
	0984135B02	CONNECTOR, phono (J263 Rx, J323 Tx)
	6484021T01	PLATE, feedthru
	9184012M02	FILTER, feedthru: 1500 pF; 4 used
	9184012M03	FILTER, feedthru: 2000 pF

8482460T01 ISS0

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264

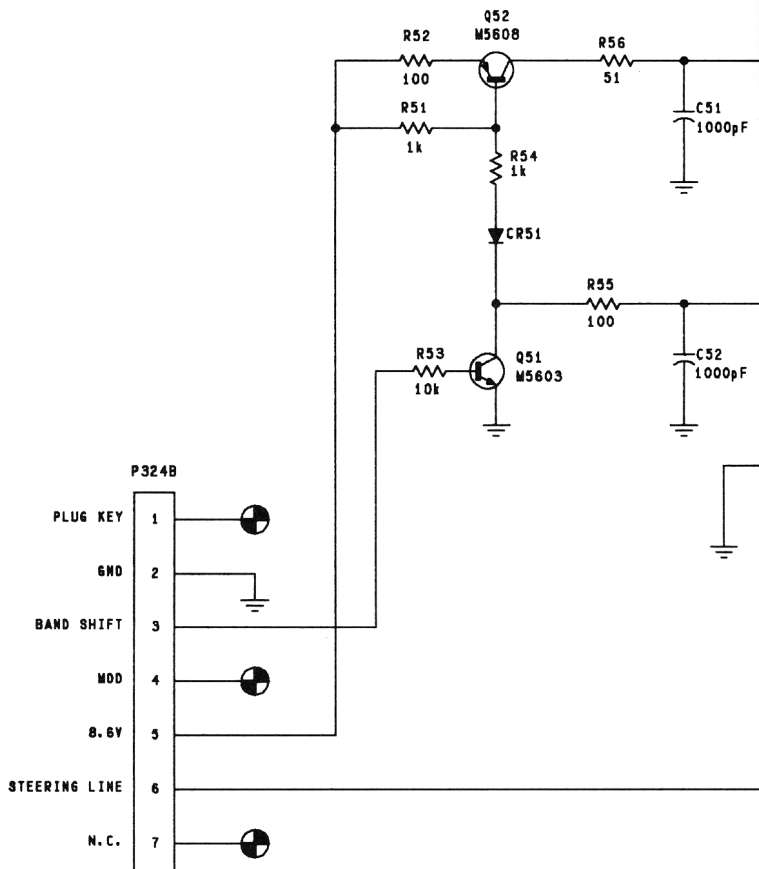
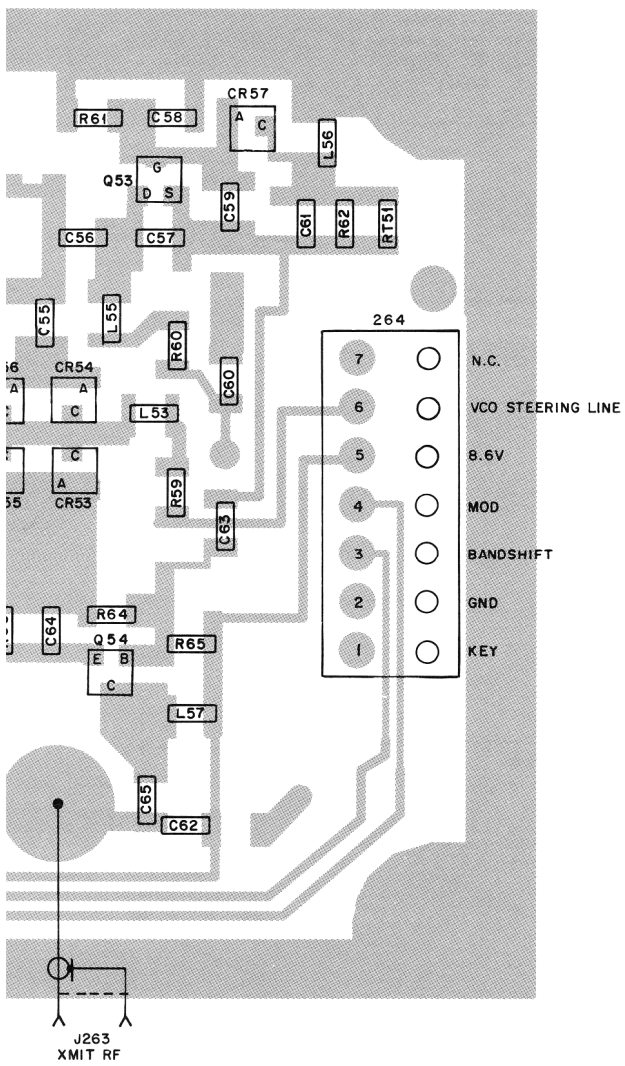
N.C.
VCO
8.6V
MOD
BAN
GND
KEY

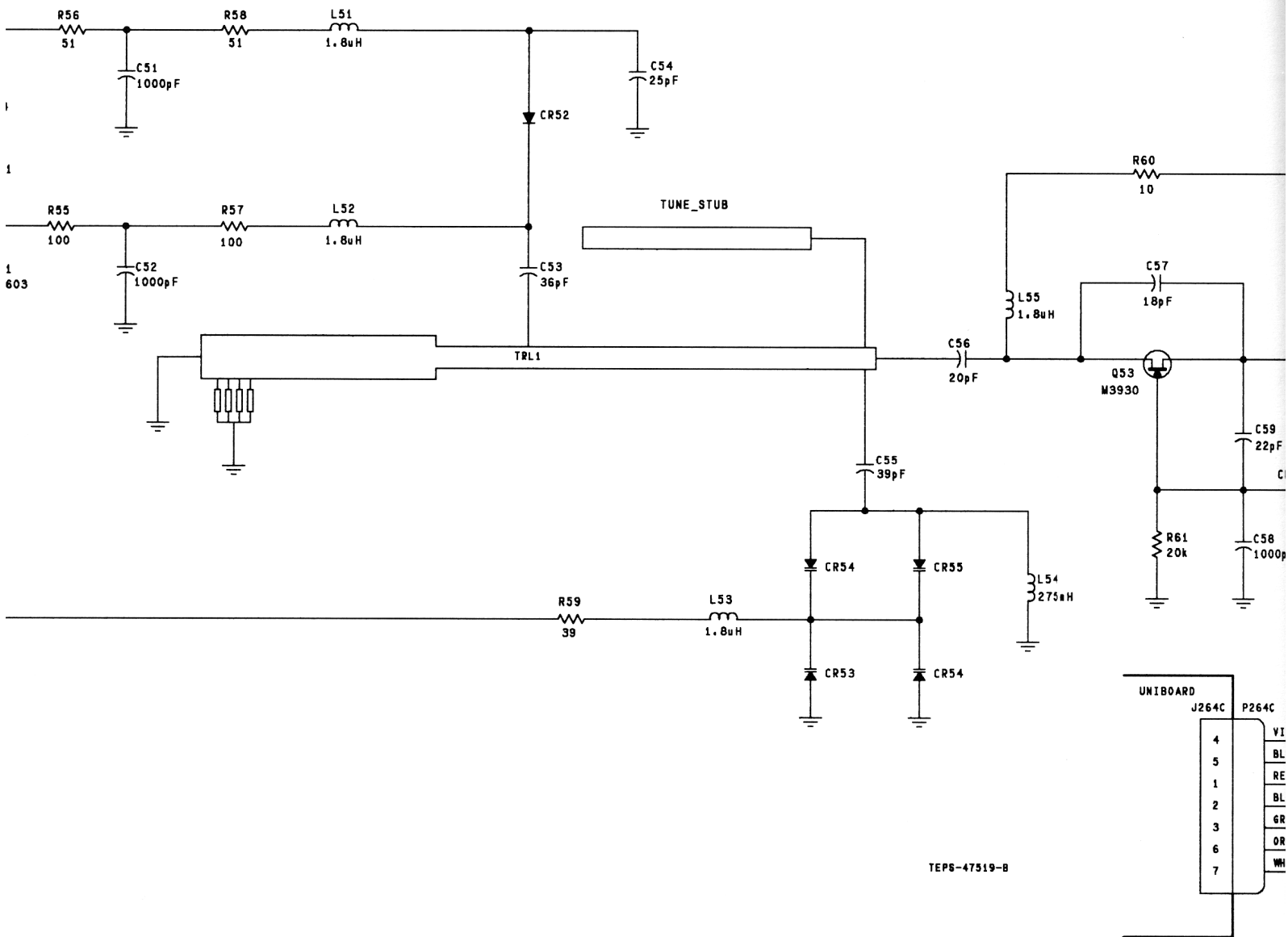
SHOWN FROM COMPONENT SIDE

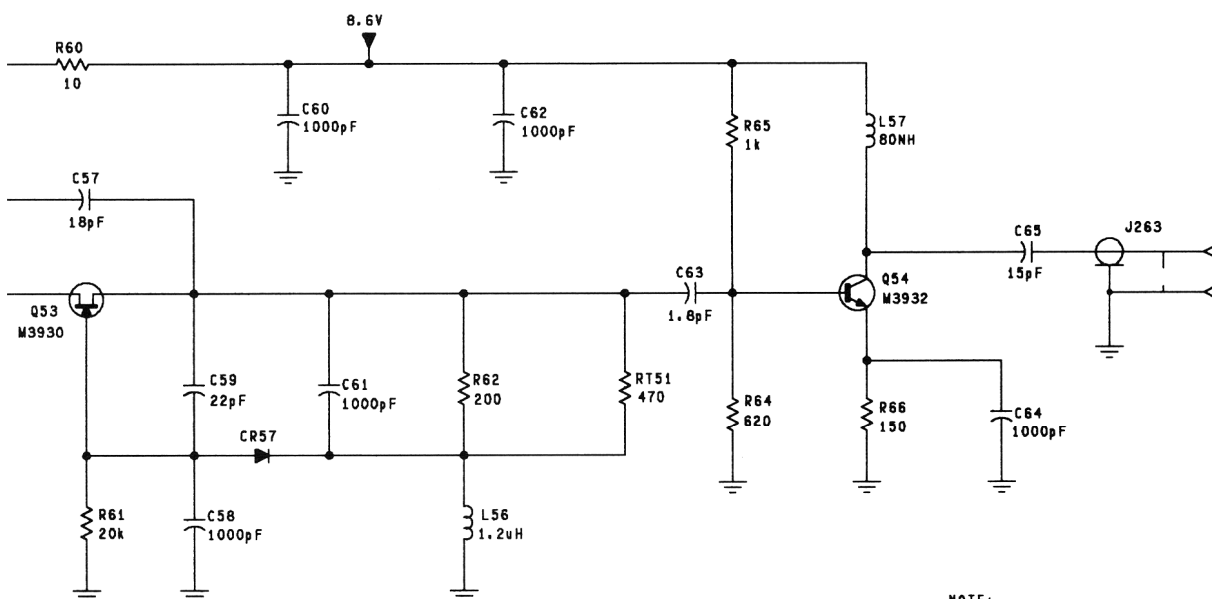
COMPONENT SIDE • BD-CEPS-47517-0
OL-CEPS-47518-0

J263
XMIT RF

TRD1842A RECEIVE VCO (135.3-163.3 MHz)







NOTE:
FIELD REPAIR OF THE TRD6332A
IS NOT RECOMMENDED. IT SHOULD
BE REPLACED IN ITS ENTIRETY.
PARTS ARE SHOWN FOR REFERENCE
PURPOSE ONLY.

