

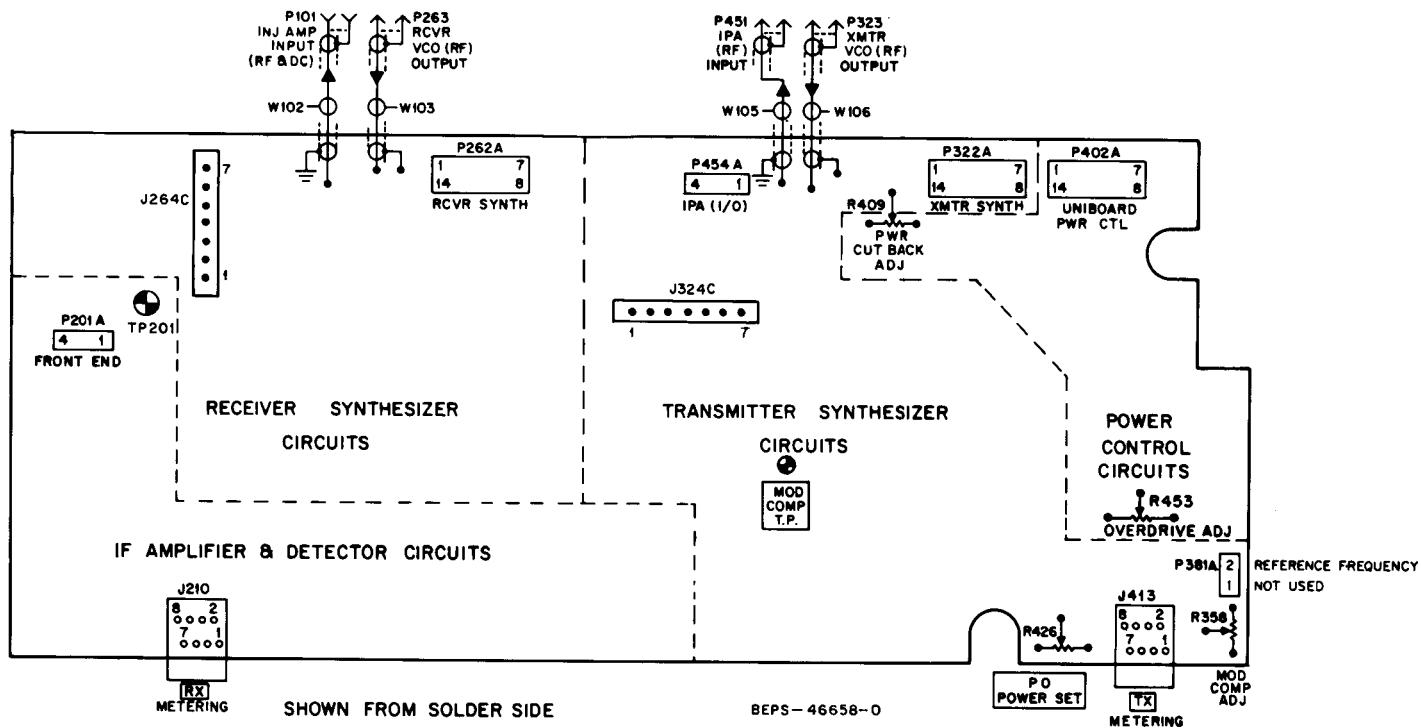
parts list

TRN7006A/TRN7028A Uniboard

PL-11279-B

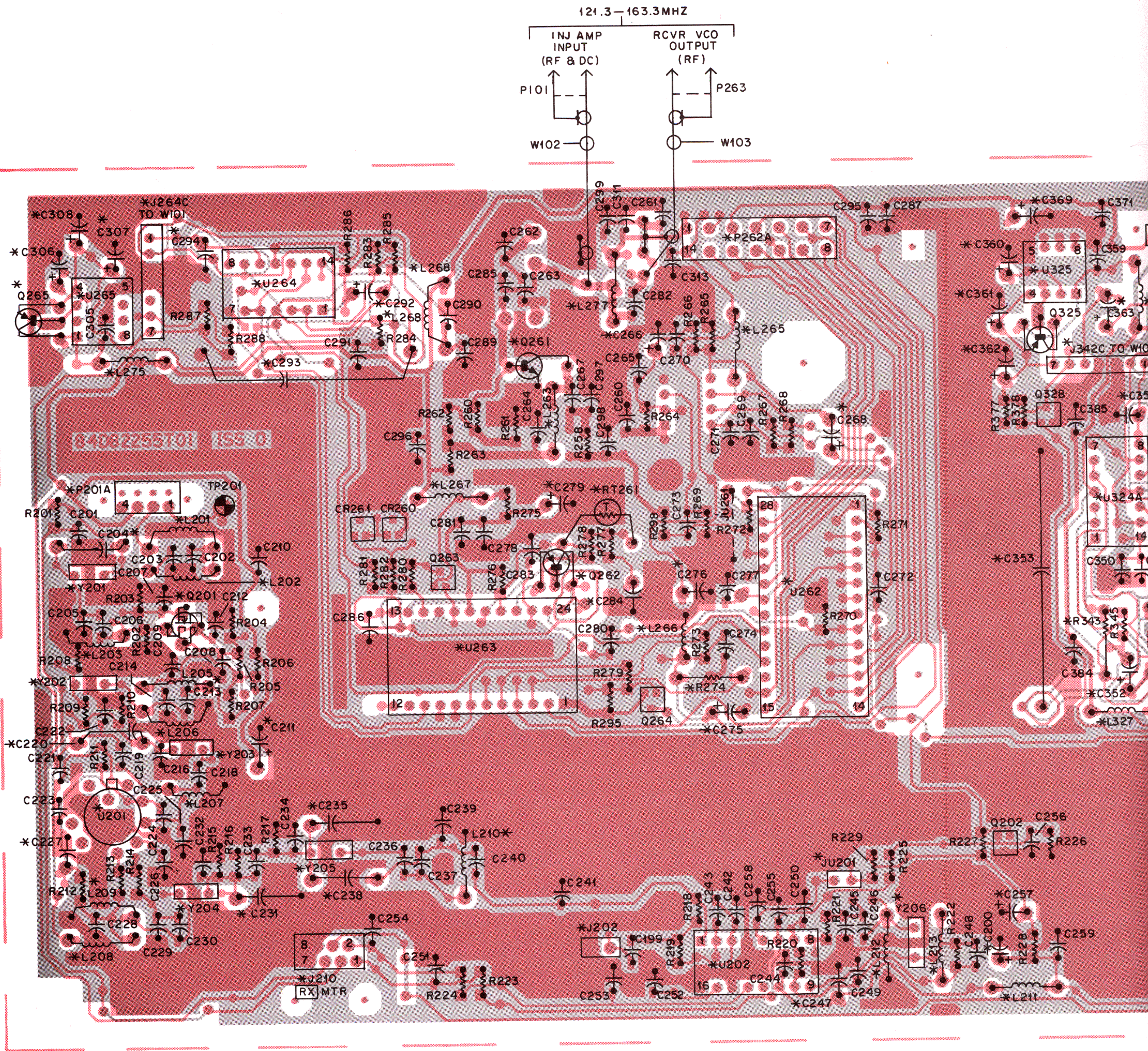
REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
		capacitor, fixed: uF $\pm$ 5% 50V: unless otherwise stated
C200	2311019A20	10 $\pm$ 20% 25V
C201	2113741B45	.01
C202	2113740B47	82pF
C203	2113740B25	10pF
C204	2182450B05	0.24pF $\pm$ 10% 500V
C205	2113740B05	1.5pF $\pm$ 0.25pF
C206 thru 209	2113741B45	.01
C210	2113741B21	.001
C212	2113740B25	10pF
C213	2113740B28	13pF
C214	2113740B09	2.2pF $\pm$ 0.25pF
C216	2113740B01	1.0pF $\pm$ 0.25pF
C218	2113740B15	3.9pF $\pm$ 0.25pF
C219	2113740B27	12pF
C220	2182450B33	0.56pF 500V
C221	2113740B34	24pF
C223	2113740B27	12pF
C224 thru 226	2113741B45	.01
C227	2113741B69	0.1
C228	2113741B45	.01
C229	2113740B39	39pF
C230	2113740B31	18pF
C236	2113740B15	3.9pF $\pm$ 0.25pF
C237	2113740B27	12pF
C238	2182450B20	0.66pF 500V
C239	2113740B15	3.9pF $\pm$ 0.25pF
C240	2113740B28	13pF
C242 thru 244	2113741B45	.01
C245,246	2113740B25	10pF
C247	2113741B69	0.1
C248	2113740B21	6.8pF $\pm$ 0.25pF
C249 thru 254	2113741B45	.01
C255,256	2113740B57	220pF
C257	2311019A20	10 $\pm$ 20% 25V
C258,259	2113741B45	.01
C261	2113741B21	.001
C264	2113741B21	.001
C267	2113741B21	.001
C272	2113740B80	.0022
C274	2113741B21	.001
C275	2311019A40	47 $\pm$ 20% 25V
C276	2113741B45	.01
C277	2113741B21	.001
C278	2113741B45	.01
C279	2311019A40	47 $\pm$ 20% 25V
C280	2113740B49	100pF
C281,282	2113741B21	.001
C283	2113741B41	.0068
C284	2311019A40	47 $\pm$ 20% 25V
C285	2113740B09	2.2pF $\pm$ 0.25pF
C286	2113741B37	.0047
C288	2183162H36	.01
C289	2113741B45	.01
C290	2113741B21	.001
C291	2113741B45	.01
C292	2113741B69	0.1
C293	0883862M04	0.68 $\pm$ 10% 100V
C294	2113741B61	.047
C295,296	2113741B21	.001
C297,298	2113740B31	18pF
C299	2113741B21	.001
C305	2113741B69	.01
C306	2311019A20	10 $\pm$ 20% 25V
C307	2311054L14	4.7 $\pm$ 10%
C308	2311019A49	150 $\pm$ 20% 16V
C309	2113740B32	20pF (TRN7006A)
C310	2113741B45	.01 (TRN7006A)
C311	2113741B21	.001
C313	2113741B21	.001
C320	2113741B45	.01
C321	2113741B21	.001
C324	2113741B21	.001
C327	2113741B21	.001
C332	2113741B29	.0022
C334	2113741B21	.001
C335	2311019A40	47 $\pm$ 20% 25V
C336	2113741B45	.01
C337	2113741B21	.001
C338	2113741B45	.01
C339	2311019A40	47 $\pm$ 20% 25V
C340	2113740B49	100pF
C341	2113741B21	.001
C343	2113741B41	.0068
C344	2311019A40	47 $\pm$ 20% 25V
C346	2113741B37	.0047
C348	2183162H36	.01
C349	2113741B45	.01
C350	2113741B21	.001
C351	2113741B45	.01
C352	2311054L02	0.47 $\pm$ 10%
C353	0883862M02	2 $\pm$ 10% 100V
C354	2113741B53	.022
C355	2113740B31	18pF
C356 thru 358	2113741B21	.001
C359	2113741B69	.010
C360	2311019A20	10 $\pm$ 20% 25V
C361	2311054L14	4.7 $\pm$ 10%
C362 thru 364	2311019A40	47 $\pm$ 20% 25V
C365,366	2311054H08	10 $\pm$ 10% 25V

REFERENCE SYMBOL	MOTOROLA PART NO.	DESCRIPTION
C367	2113741B45	.01
C368	2311019A20	10 $\pm$ 20% 25V
C369	2311019A46	100 $\pm$ 20% 25V
C370	2113741B45	.01
C371	2113741B21	.001
C372	2113741B45	.01
C375	2113740B09	2.2pF $\pm$ 0.25pF
C381,382	2113741B45	.01 (TRN7006A)
C384	2113741B21	.001
C387	2113741B69	0.1
C388	2113741B21	.001
C390	2113741B45	.01 (TRN7028A)
C391	2113740B25	10pF (TRN7006A)
C392,393	2113740B31	18pF
C394	2113740B25	10pF
C395	2113741B21	.001
C396	2113740B27	12pF
C397,398	2113741B21	.001
C405	2311054L04	0.68 $\pm$ 10%
C406	2311054L06	1 $\pm$ 10%
C408	2113741B29	.0022
C409	2311054L04	0.68 $\pm$ 10%
C410	2113741B21	.001
C411	2113741B69	0.1
C412	2311019A38	47 $\pm$ 20% 10V
C414	2113741B21	.001
C415	2311019A20	10 $\pm$ 20% 25V
CR262	4882139G01	diode (see note): germanium (TRN7006A)
CR401	4883654H01	silicon
CR404	4811058A11	silicon
CR405	4883654H01	silicon
CR406,407	4811058A11	silicon
CR408	4883654H01	silicon
CR409	4811058A11	silicon
CR411	4883654H01	silicon
J210	0983112N02	connector: female: 8-contact
J413	0983112N02	female: 8-contact
J264C	2883143M01	male: 7-contact
J324C	2883143M01	male: 7-contact
J381	0983109N06	female: 2-contact (TRN7028A)
L201	2411047B31	coil: 1.8uH
L202	2411047C53	15uH
L203	2411047C58	24uH
L205,206	2411047C53	15uH
L207	2411047C58	24uH
L208	2412015A29	22 uH
L209	2411047C53	15uH
L210	2411047C58	24uH
L211	2412015A29	22 uH
L212	2411047C58	24uH
L213	2411047C53	15uH
L263	2412015A14	1.2uH
L266 thru 268	2412015A27	15uH
L275	2412015A27	15uH
L277	2412015A14	1.2uH
L278	2411047B23	0.82uH
L279	2411047B23	0.82uH (TRN7028A)
L323	2412015A14	1.2uH
L326,327	2412015A27	15uH
L328	2412015A14	1.2uH
L329	2411030A06	7 turns
L330,331	2412015A27	15uH
L332	2411030A04	5 turns
L381 thru 383	2412015A27	15uH (TRN7006A)
P101	3084158N01	connector: CABLE: w/connector (p/o W102)
P201A	0983109N07	female: 4-contact
P262A	0983110N01	female: 14-contact
P264A,264C	1583142M01	HOUSING, connector: 7-position (p/o W101)
P322A	0983110N01	female: 14-contact
P324A,324C	1583142M01	HOUSING, connector: 7-position (p/o W104)
P402A	0983110N01	female: 14-contact
P454A	0983109N07	female: 4-contact
Q201	4883865T01	transistor (see note): MOSFET, n-channel type M65T01
Q202	4811056A08	PNP type M56A08
Q261	4884411L83	NPN type M11L83
Q262	4811043A28	PNP type M43A28
Q263	4811056A08	PNP type M56A08
Q264	4811056A04	NPN type M56A04
Q265	4811043A10	PNP type M43A10
Q266	4811056A03	NPN type M56A03
Q321	4884411L83	NPN type M11L83
Q322	4811043A28	PNP type M43A28
Q323	4811056A08	PNP type M56A08
Q324	4811056A04	NPN type M56A04
Q325	4811043A10	PNP type M43A10
Q326	4800869870	NPN type M9870



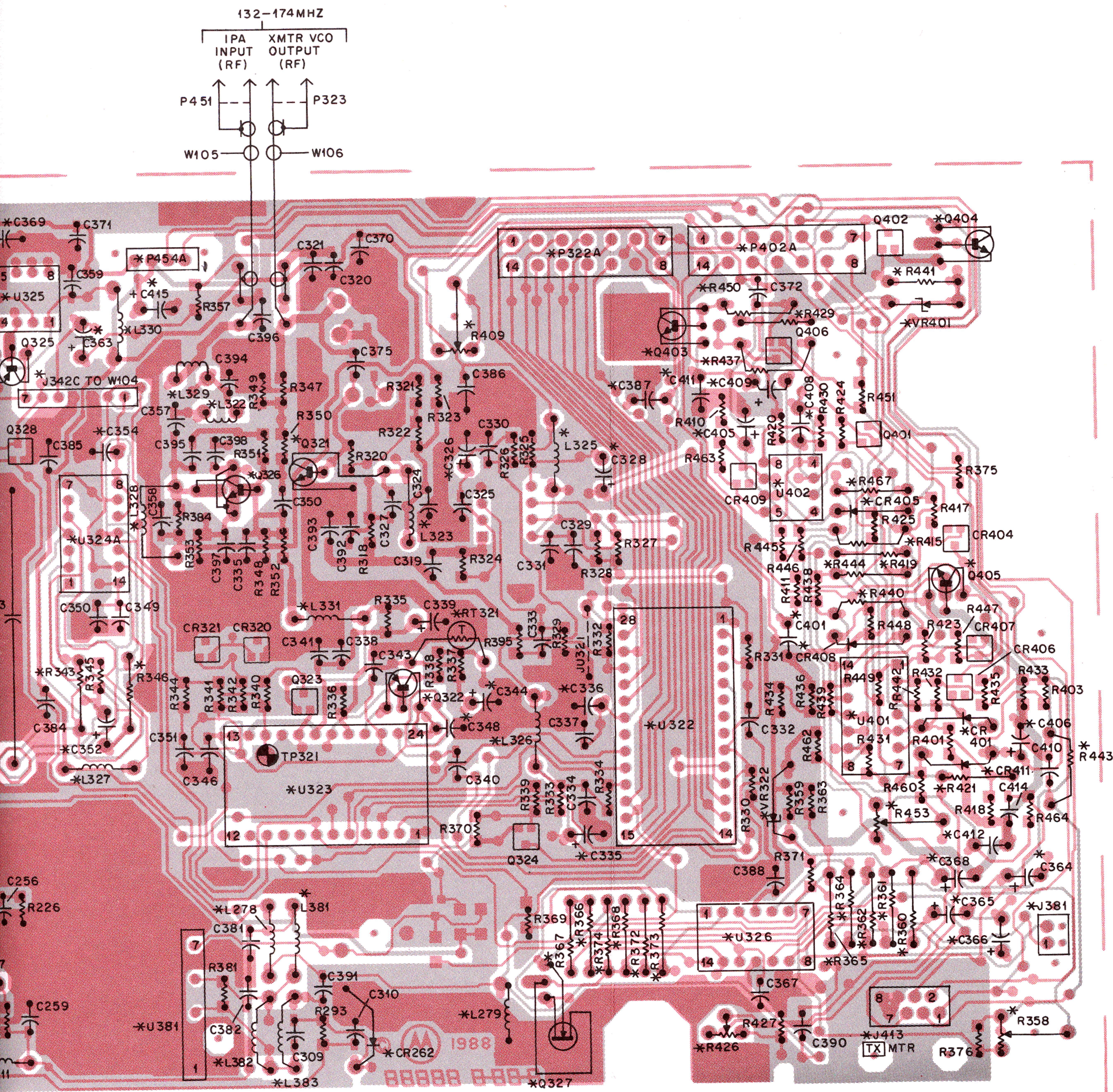
*Figure 1. Uniboard Circuit Location and Interconnect Detail
(Refer to appropriate manual section for schematic diagrams)*

**RF TRAY INTERCONNECT BOARD CIRCUIT
BOARD DETAIL AND PARTS LISTS ON NEXT P**



SOLDER SIDE • BD-D
COMPONENT SIDE • BD-D
OL-E

SHOWN FROM S



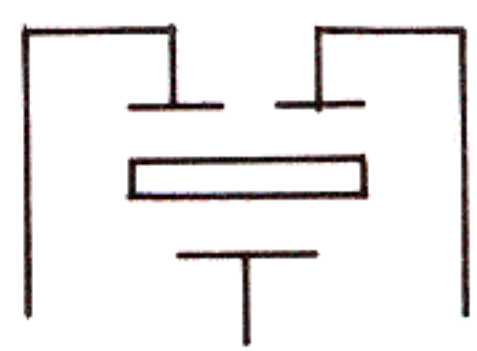
*P201A	
1	1
2	2
3	3
4	4

*P262	
+5V	14 1
RX STROBE	13 2
SA2	12 3
SA1	11 4
SA0	10 5
SD1	9 6
SD2	8 7

*P322	
SA 1	14 1
MOD ENABLE	13 2
TX LOCK	12 3
SD 2	11 4
SD 1	10 5
AUDIO (GND A)	9 6
+9.6V	8 7

*P402	
PA ON	14 1
FINAL FORWARD VOLTAGE	13 2
METERING FINAL FORWARD VOLTAGE	12 3
AUDIO GND	11 4
THERMAL SUM POINT	10 5
CIRCULATOR LOAD TEMP	9 6
PA KEY	8 7

CRYSTAL DETAIL



Y201-Y206

DER SIDE • BD-DEPS-46659-A
 ENT SIDE • BD-DEPS-46660-A
 OL-EEPS-46661-A

N FROM SOLDER SIDE

UNIBOARD

CIRCUIT BOARD DETAIL

*P201A

1	TEST POINT TP151
2	MIXER OUT & MTR 3
3	+9.6V
4	GND

*J210

RX MTR

GND	7 8	GND
RX STEERING LINE VOLTAGE	5 6	GND
MIXER L.O. LEVEL	3 4	INTERNAL REF. OSC. LEVEL
QUADRATURE DETECTOR	1 2	I-F LEVEL

*P262A

+5V	14 1	MAIN +13.8V (A+)
TX STROBE	13 2	N.C.
SA2	12 3	RAW RX AUDIO
SA1	11 4	RX LOOP
SA0	10 5	SD0
SD1	9 6	SD3
SD2	8 7	RX LOCK

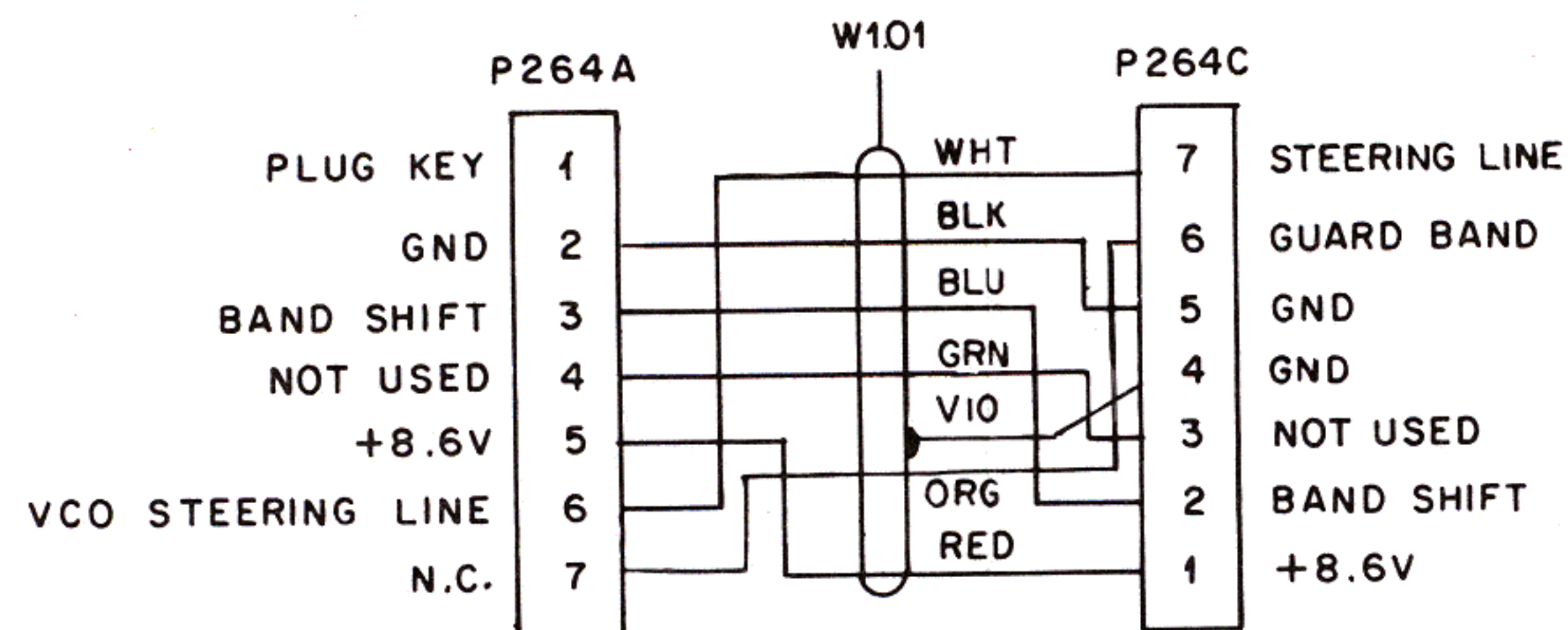
*J413

TX MTR

GND	7 8	GND
TX STEERING LINE VOLTAGE	5 6	GND
CONTROL VOLTAGE	3 4	DRIVER FORWARD VOLTAGE
FINAL FORWARD VOLTAGE	1 2	FINAL REFLECTED VOLTAGE

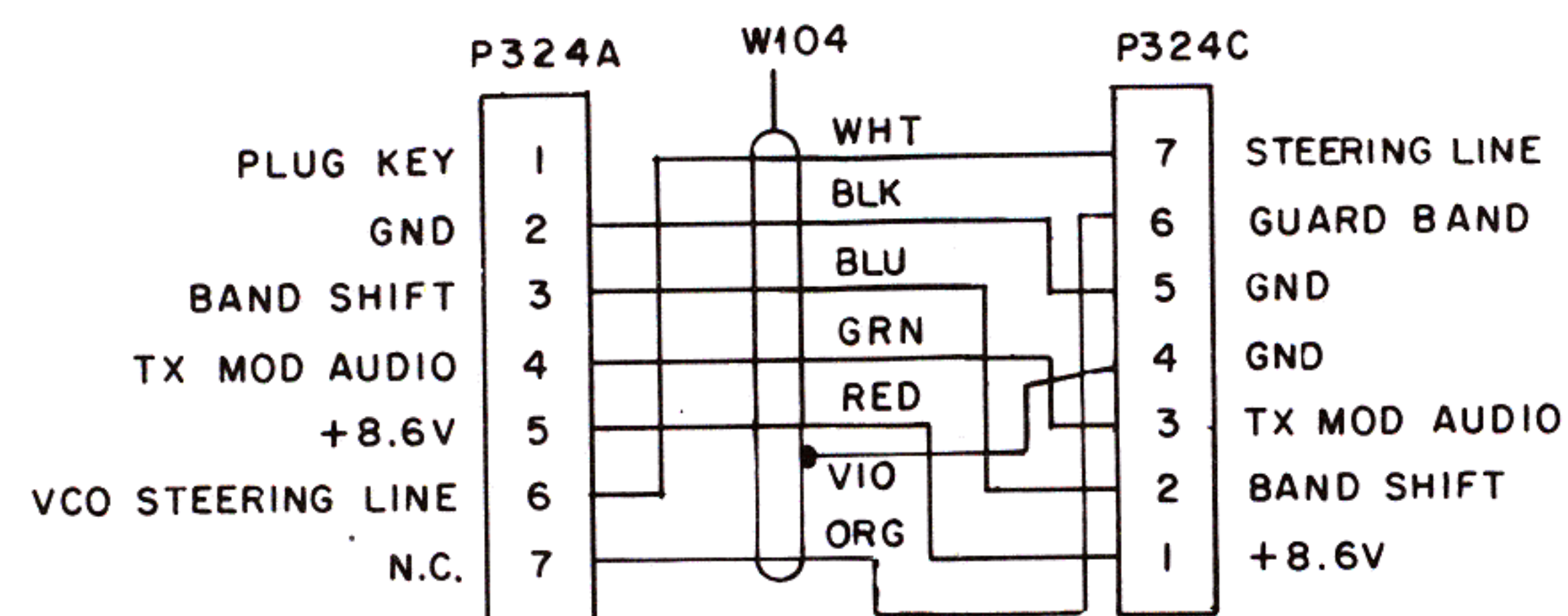
*P322A

SA1	14 1	TX STROBE
TX STROBE	13 2	SA2
TX LOCK	12 3	SA0
SD2	11 4	TX LOOP
SD1	10 5	SD3
SD0 (GND A)	9 6	SD0
+9.6V	8 7	TX MOD AUDIO



*P402A

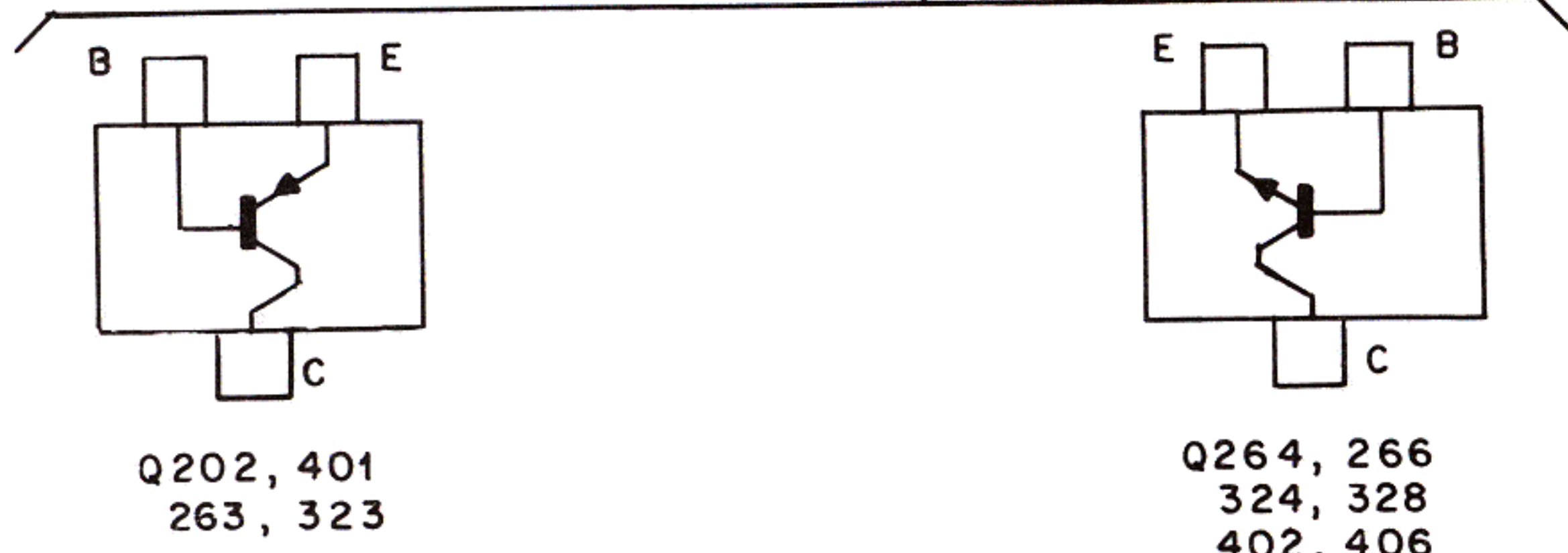
PA ON	14 1	PA POWER CUTBACK
TX VOLTAGE	13 2	N.C.
TX VOLTAGE	12 3	MAIN +13.8V (A+)
AUDIO GND	11 4	+5V
SUM POINT	10 5	METERING FINAL REFLECTED VOLTAGE
LOAD TEMP	9 6	PA FULL POWER
PA KEY	8 7	DRIVER FORWARD VOLTAGE



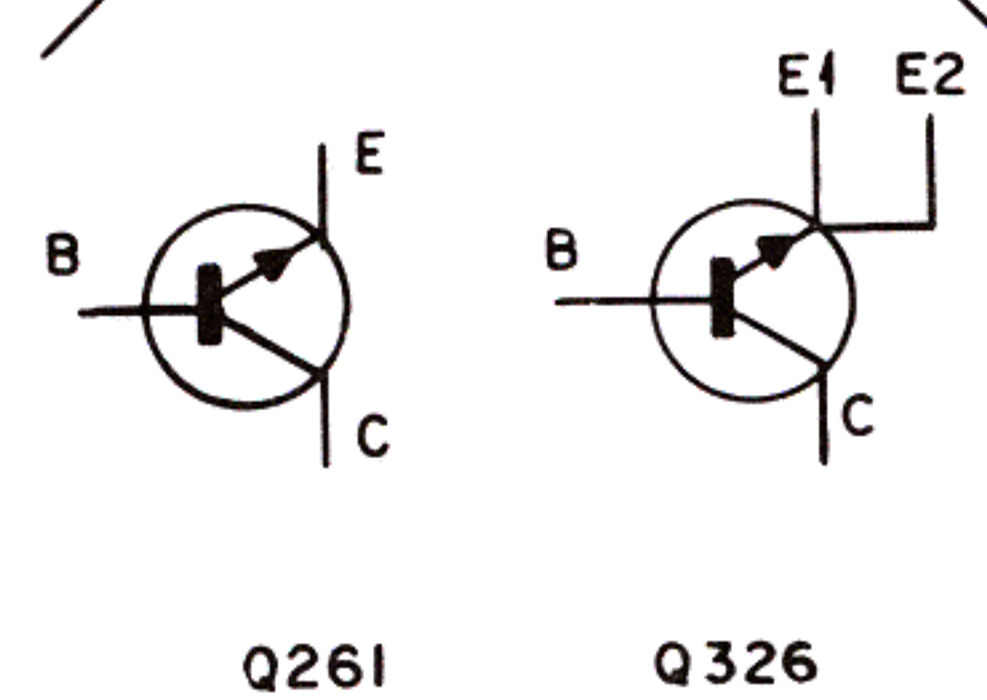
*P454A

1	CONTROL VOLTAGE
2	TX ENABLE
3	MAIN+13.8V(A+)
4	+9.6V

CHIP TRANSISTOR DETAILS



TRANSISTOR DETAILS



CHIP DIODE DETAILS

