

VHF FM REPEATER / VHF 调频中继台

TKR-750

SERVICE MANUAL / 维修手册

SUPPLEMENT II / 追补版

KENWOOD

Kenwood Corporation

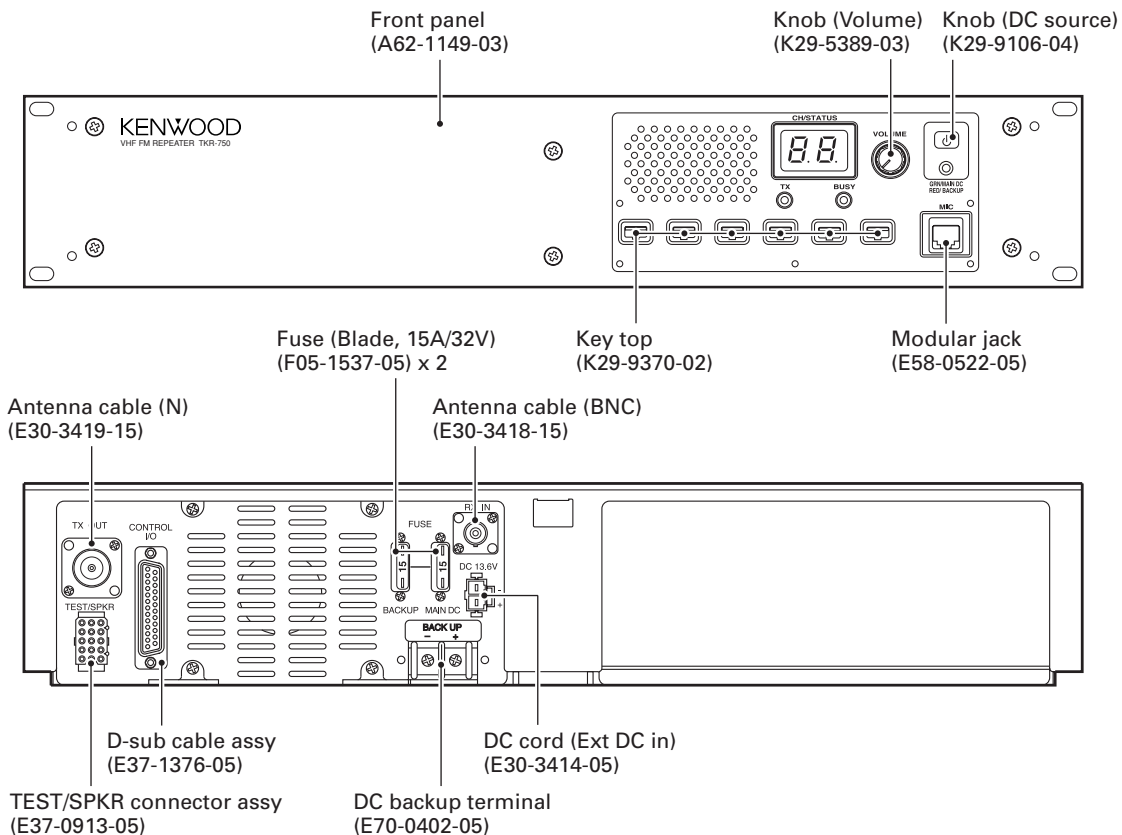
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This service manual is applied from the following serial numbers.

K: 809xxxx~ , K2: 809xxxx~ , E: 80100433~ ,
C: 809xxxx~ , C2: 810xxxx~

本维修手册适用于下列序号。

K: 809xxxx~ , K2: 809xxxx~ , E: 80100433~ ,
C: 809xxxx~ , C2: 810xxxx~



无铅焊接通信产品 保护环境建伍领先

⚠ 注意：本产品是无铅化焊接产品
在维修时请使用无铅焊锡
和相应的焊接工具
详细事项请访问如下网址了解：
<http://www.kenwoodhk.com.hk/>



This product uses Lead Free solder.

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Service Manual List

Title	Parts number	Remarks	Destination	Final unit	Display unit	TX-RX unit	RX PLL unit	TX PLL unit
TKR-750	B51-8556-00	First edition Abolition version	K,K2,E	X45-3620-XX J72-0754-12	X54-3330-20 J72-0756-02	X57-6260-XX J72-0757-01	X58-4780-10 J72-0749-02	X58-4790-10 J72-0750-02
TKR-750	B51-8556-10	Revised Correction of first edition	K,K2,E	X45-3620-XX J72-0754-12	X54-3330-20 J72-0756-02	X57-6260-XX J72-0757-01	X58-4780-10 J72-0749-02	X58-4790-10 J72-0750-02
TKR-750	B51-8661-00	Supplement S/No. 50500001~	K,K2,C,C2,E	X45-3730-XX J72-0910-09	-	-	-	-
TKR-750	B51-8556-20	Revised 2 S/No. 60700001~	K,K2,E	X45-373X-XX J72-0910-19	X54-3330-21 J72-0756-12	X57-695X-XX J72-0923-19	X58-4780-10 J72-0749-02	X58-4790-10 J72-0750-12
TKR-750	B51-8567-00	First edition	C,C2	X45-3620-XX J72-0754-12	X54-3330-20 J72-0756-02	X57-6260-XX J72-0757-01	X58-4780-10 J72-0749-02	X58-4790-10 J72-0750-02
TKR-750	B51-8567-10	Revised S/No. 60800001~	C,C2	X45-373X-XX J72-0910-19	X54-3330-21 J72-0756-12	X57-695X-XX J72-0923-19	X58-4780-10 J72-0749-02	X58-4790-10 J72-0750-12
TKR-750	B51-8787-00	Supplement 2 This service manual	K,K2,C,C2,E	X45-373X-XX J79-0098-09	X54-3580-20 J79-0035-09	X57-695X-XX J79-0097-19	X58-4942-70 J79-0038-09	X58-4952-70 J79-0039-09

PARTS LIST / 零件表

* New Parts. Δ indicates safety critical components.

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

L : Scandinavia

Y : PX (Far East, Hawaii)

Y : AAFES (Europe)

K : USA

T : England

X : Australia

P : Canada

E : Europe

M : Other Areas

TKR-750 (Y54-318X-XX) FINAL UNIT (X45-373X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	
TKR-750						FINAL UNIT (X45-373X-XX) 0-10 : K,E,C 0-11 K2,C2						
1	2B	*	A10-4037-21	CHASSIS		49	1F		G13-1802-04	CUSHION	ACCESSORY	
5	3A	*	A62-0933-13	PANEL ASSY		72	3A	*	G13-2171-04	CUSHION (SPEAKER)		
2	1B	*	A62-1146-04	PANEL		52	1E		H25-0029-04	PROTECTION BAG (60/110/0.07)		
3	1B	*	A62-1147-04	PANEL		53	1F		H25-0747-04	PROTECTION BAG (250X350)		
4	1D	*	A62-1148-03	PANEL		54	1E		H25-0762-04	PROTECTION BAG (120X300)		
6	3C	*	A62-1149-03	FRONT PANEL ASSY		55	1F		H25-2328-04	PROTECTION BAG (80/250/0.07)		
8	1F		B10-2635-04	FRONT GLASS	ACCESSORY	57	3F		H52-1621-02	ITEM CARTON CASE		
9	1F		B11-1259-04	FILTER	ACCESSORY	59	1E		J02-0475-05	FOOT	ACCESSORY	
10	3B	*	B42-7159-04	STICKER (MODEL NAME)		60	1E		J02-0492-04	FOOT	ACCESSORY	
11	1F	*	B62-1835-00	INSTRUCTION MANUAL	K,K2	64	1B		J21-8467-04	MOUNTING HARDWARE (DRIVE FET)		
11	1F	*	B62-1836-00	INSTRUCTION MANUAL	C,C2	73	3A	*	J21-8556-04	MOUNTING HARDWARE (SPEAKER)		
11	1F	*	B62-1837-00	INSTRUCTION MANUAL	E	74	3A	*	J21-8557-04	MOUNTING HARDWARE (SPEAKER)		
12	2C,3D	*	B72-2296-04	MODEL NAME-PLATE	K	61	1F	*	J21-8559-04	MOUNTING HARDWARE	ACCESSORY	
12	2C,3D	*	B72-2297-04	MODEL NAME-PLATE	K2	62	1E		J59-0302-05	GROMMET	ACCESSORY	
12	2C,3D	*	B72-2298-04	MODEL NAME-PLATE	E	-			J61-0307-05	BAND		
12	2C,3D	*	B72-2299-04	MODEL NAME-PLATE	C	65	1E	*	K01-0418-15	HANDLE	ACCESSORY	
12	2C,3D	*	B72-2300-04	MODEL NAME-PLATE	C2	66	3A		K29-5389-03	KNOB (VOLUME)		
14	2C		E30-3414-05	DC CORD (EXT DC IN)		68	3A		K29-9106-04	KNOB (DC SOURCE)		
15	1C	*	E30-3418-15	ANTENNA CABLE (BNC)		67	3A	*	K29-9370-02	KEY TOP		
16	2C	*	E30-3419-15	ANTENNA CABLE (N)		A	2C		N09-2292-05	HEXAGON HEAD SCREW		
17	1E	*	E30-3427-25	DC CORD	ACCESSORY	B	1C,2C		N30-2606-48	PAN HEAD MACHINE SCREW		
18	1E		E31-3228-05	TEST/SPKR PLUG	ACCESSORY	C	2A,1E		N30-4006-48	PAN HEAD MACHINE SCREW		
19	1B		E37-0902-05	DC WIRE (RED)		D	2B,2C		N30-4014-48	PAN HEAD MACHINE SCREW		
20	1B		E37-0903-05	DC WIRE (BLACK)		E	1C		N30-4020-43	PAN HEAD MACHINE SCREW		
22	3B	*	E37-0905-15	SPEAKER CABLE		F	1C,2C		N32-3006-48	FLAT HEAD MACHINE SCREW		
23	3A		E37-0906-05	LEAD WIRE WITH CONNECTOR (CONT-DISP)		G	3B,3C		N32-4008-43	FLAT HEAD MACHINE SCREW		
24	3A		E37-0908-05	LEAD WIRE WITH CONNECTOR (11P)		J	1E		N35-3006-43	BINDING HEAD MACHINE SCREW		
25	2B		E37-0909-05	LEAD WIRE WITH CONNECTOR (8P)		K	1C		N35-4006-43	BINDING HEAD MACHINE SCREW		
26	1B		E37-0911-05	LEAD WIRE WITH CONNECTOR (3P)		L	1B,3B		N67-3008-48	PAN HEAD SEMS SCREW		
27	2B		E37-0912-05	COAXIAL CABLE		M	1C		N80-2608-43	PAN HEAD TAPTITE SCREW		
28	2C		E37-0913-05	TEST/SPKR CONNECTOR ASSY		N	2C		N87-2606-48	BRAZIER HEAD TAPTITE SCREW		
29	1B		E37-0934-05	DC WIRE (ORANGE)		O	3A		N87-3005-43	BRAZIER HEAD TAPTITE SCREW		
30	2C		E37-0964-05	DC BACK UP WIRE (BLACK)		P	3A,2B,3B		N87-3006-48	BRAZIER HEAD TAPTITE SCREW		
31	2C		E37-0965-05	DC BACK UP WIRE (RED)		R	2C		N90-3014-48	TP HEAD MACHINE SCREW		
32	2B	*	E37-1340-05	FLAT CABLE (36P)		70	3A	*	T07-0770-25	SPEAKER		
21	2C	*	E37-1376-05	D-SUB CABLE ASSY		-			490-0174-05	ADHESIVE TAPE		
33	2C		E70-0402-05	DC BACKUP TERMINAL		FINAL UNIT (X45-373X-XX) 0-10 : K,E,C 0-11 K2,C2						
35	1C,1E		F05-1537-05	FUSE (BLADE TYPE) (15A/32V)		C1,2			CK73GB1H102K	CHIP C	1000PF	K
36	2C		F09-0445-05	CAP (D-SUB)	ACCESSORY	C3			CD04AY1E101M	ELECTRO	100UF	25WV
37	1C		F09-0471-15	FANMOTOR		C7			CK73GB1H102K	CHIP C	1000PF	K
-			F10-2374-04	SHIELDING PLATE (TX/RX)		C9,10			CK73GB1H102K	CHIP C	1000PF	K
-			F10-2379-04	SHIELDING CASE (TX/TX COMP)		C11			CC73GCH1H470J	CHIP C	47PF	J
-			F10-2409-04	SHIELDING CASE (TX/TX FOIL)		C12			CK73GB1H102K	CHIP C	1000PF	K
41	1C		F20-3322-04	INSULATING SHEET (BACKUP)		C13			CK73FB1E104K	CHIP C	0.10UF	K
43	1B		G02-0576-14	FLAT SPRING		C14,15			CK73GB1H102K	CHIP C	1000PF	K
45	3B	*	G02-0885-13	EARTH SPRING		C16			CK73FB1H102K	CHIP C	1000PF	K
51	1B		G02-0894-04	EARTH SPRING (FINAL FET)		C19			C93-0603-05	CHIP C	1000PF	K
46	2B,3B		G10-1263-04	FIBROUS SHEET (CHASSIS)		C21			C93-0564-05	CHIP C	22PF	J
47	3C,2D		G10-1264-04	FIBROUS SHEET (FINAL)		C22			C93-0568-05	CHIP C	47PF	J
56	3B	*	G10-1344-04	FIBROUS SHEET		C27			CK73FB1H102K	CHIP C	1000PF	K
58	3B	*	G10-1345-04	FIBROUS SHEET		C28			CK73GB1H102K	CHIP C	1000PF	K
48	1F		G13-1801-04	CUSHION	ACCESSORY							

PARTS LIST / 零件表

FINAL UNIT (X45-373X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination		
C29			C93-0603-05	CHIP C 1000PF K	K2,C2 K,E,C	CN6-8			E23-0462-05	TERMINAL			
C30			C93-0573-05	CHIP C 120PF J									
C30			C93-0595-05	CHIP C 220PF J									
C31			C93-0565-05	CHIP C 27PF J									
C32			C93-0603-05	CHIP C 1000PF K									
C35			CK73GB1H102K	CHIP C 1000PF K	K2,C2	CN51,52			J13-0071-05	FUSE HOLDER	K2,C2 K,E,C		
C37			CK73FB1E474K	CHIP C 0.47UF K									
C39			CK73GB1H102K	CHIP C 1000PF K									
C42			CK73FB1H223K	CHIP C 0.022UF K									
C43,44			CK73GB1H102K	CHIP C 1000PF K									
C46			C93-0603-05	CHIP C 1000PF K									
C47			CM73F2H360J	CHIP C 36PF J									
C49			C93-0564-05	CHIP C 22PF J									
C53			CK73FB1H473K	CHIP C 0.047UF K									
C54			CM73F2H102J	CHIP C 1000PF J									
C55			CK73GB1H103K	CHIP C 0.010UF K	K2,C2	L2			L41-4775-33	SMALL FIXED INDUCTOR (0.047UH)	K2,C2 K,E,C		
C57			CD04AY1E470M	ELECTRO 47UF 25WV									
C60			CK73GB1H102K	CHIP C 1000PF K									
C64			CK73GB1H102K	CHIP C 1000PF K									
C68			CK73GB1H102K	CHIP C 1000PF K									
C69,70			C93-0559-05	CHIP C 9.0PF D									
C71,72			C93-0564-05	CHIP C 22PF J									
C74			C93-0567-05	CHIP C 39PF J									
C77			C93-0565-05	CHIP C 27PF J									
C80-87			CK73GB1H102K	CHIP C 1000PF K									
C89			CC73GCH1H101J	CHIP C 100PF J	K2,C2	L3			L41-6875-33	SMALL FIXED INDUCTOR (0.068UH)	K2,C2 K,E,C		
C90			CK73GB1H102K	CHIP C 1000PF K									
C91			C92-0777-05	ELECTRO 1000UF 25WV									
C92			CM73F2H102J	CHIP C 1000PF J									
C96			CC73FCH1H180J	CHIP C 18PF J									
C98			CK73GB1H102K	CHIP C 1000PF K									
C99			C90-4016-05	ELECTRO 47UF 16WV									
C103			CC73GCH1H101J	CHIP C 100PF J									
C105			CC73GCH1H101J	CHIP C 100PF J									
C106-109			CK73GB1H102K	CHIP C 1000PF K									
C110			CS77AA1A100M	CHIP TNTL 10UF 10WV	K2,C2	L4,5			L34-4518-05	AIR-CORE COIL	K2,C2 K,E,C		
C112			C93-0560-05	CHIP C 10PF D									
C117			CM73F2H221J	CHIP C 220PF J									
C118			CK73FB1E474K	CHIP C 0.47UF K									
C136,137			CK73GB1H102K	CHIP C 1000PF K									
C143			CC73FCH1H330J	CHIP C 33PF J									
C145			CC73GCH1H220J	CHIP C 22PF J									
C146			CC73GCH1H101J	CHIP C 100PF J									
C160			CM73F2H102J	CHIP C 1000PF J									
C161,162			CM73F2H270J	CHIP C 27PF J									
C163			C93-0569-05	CHIP C 56PF J	K2,C2	L6			L34-4520-05	AIR-CORE COIL	K2,C2 K,E,C		
C163			C93-0570-05	CHIP C 68PF J									
C164			CM73F2H820J	CHIP C 82PF J									
C165			CK73FB1H102K	CHIP C 1000PF K									
C166			CC73GCH1H220J	CHIP C 22PF J									
C167			CC73GCH1H101J	CHIP C 100PF J									
C168-171			CC73GCH1H220J	CHIP C 22PF J									
C172			CC73GCH1H101J	CHIP C 100PF J									
C173			C93-0563-05	CHIP C 18PF J									
C173			C93-0565-05	CHIP C 27PF J									
C174			CC73FCH1H270J	CHIP C 27PF J	K2,C2	L7			L34-4523-05	AIR-CORE COIL	K2,C2 K,E,C		
CN1			E04-0154-05	PIN SOCKET									
CN3			E41-2738-05	PIN ASSY									
CN4			E41-1682-05	PIN ASSY									
CN5			E41-2672-05	PIN ASSY									
R1						K2,C2	L8			L34-4517-05		AIR-CORE COIL	K2,C2 K,E,C
R6													
R7													
R8													
R9													
R10													
R11													
R13													
R14													
R15													
R16					K2,C2	L8			L34-4518-05	AIR-CORE COIL	K2,C2 K,E,C		
R17													
R18													
R18													
R19													
R20,21													
R22													
R23,24													
R25													
R26													
R27					K2,C2	L9-11			L34-4520-05	AIR-CORE COIL	K2,C2 K,E,C		
R28													
R29													
R30													
R31													
R32													
R34													
R35													
R36													
R38													
R40					K2,C2	L12			L34-4523-05	AIR-CORE COIL	K2,C2 K,E,C		
R41													
R45													
R48													
R49													
R50													
R52,53		*											
R55													
R56													
R57													
R60					K2,C2	L16			L40-1575-92	SMALL FIXED INDUCTOR (15NH)	K2,C2 K,E,C		
R60													
R60													
R60													
R60													
R60													
R60													
R60													
R60													
R60													

PARTS LIST / 零件表

FINAL UNIT (X45-373X-XX)

DISPLAY UNIT (X54-3580-20)

TX-RX UNIT (X57-695X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R61		*	R92-3613-05	RESISTOR 5.6 5W		CN502			E40-6102-05	PIN ASSY	
R62,63			RK73FB2B000J	CHIP R 0.0 J 1/8W		CN601			E41-2751-05	PIN ASSY	
R64			RK73GB2A000J	CHIP R 0.0 J 1/10W		J601			E58-0522-05	MODULAR JACK	
R70			R92-1205-05	CHIP R 120 J 1/4W		-			J31-0543-05	COLLAR (LH-5-1.5)	
R71			RK73FB2B000J	CHIP R 0.0 J 1/8W		CP501-504			RK75GB1J471J	CHIP-COM 470 J 1/16W	
R72			RK73RB2H121J	CHIP R 120 J 1/2W		R502,503			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R73			RK73GB2A000J	CHIP R 0.0 J 1/10W		R505			RK73GB2A683J	CHIP R 68K J 1/10W	
VR1			R12-6427-05	TRIMMING POT. (47K)		R506			RK73GB2A103J	CHIP R 10K J 1/10W	
K1			S76-0426-05	RELAY		R507			RK73GB2A682J	CHIP R 6.8K J 1/10W	
D1		*	1SS226-F	DIODE		R508			RK73GB2A102J	CHIP R 1.0K J 1/10W	
D2		*	02DZ6.2F-Y	ZENER DIODE		R509			RK73GB2A103J	CHIP R 10K J 1/10W	
D4,5			HSM88AS-E	DIODE		R510			RK73GB2A224J	CHIP R 220K J 1/10W	
D6			1SS355	DIODE		R511,512			RK73GB2A103J	CHIP R 10K J 1/10W	
D7			ZSA5A27	ZENER DIODE		R513			RK73GB2A104J	CHIP R 100K J 1/10W	
D8			RB051L-40	DIODE		R514			RK73GB2A154J	CHIP R 150K J 1/10W	
D9			MINISMDC05002F	VARIATOR		R516			RK73PB2H102J	CHIP R 1.0K J 1/2W	
D51,52			DSA3A1	DIODE		R517			RK73PB2H821J	CHIP R 820 J 1/2W	
D53			MA4PH633	DIODE		R518,519			RK73PB2H102J	CHIP R 1.0K J 1/2W	
D55,56			MA4PH633	DIODE		R520-526			RK73PB2H821J	CHIP R 820 J 1/2W	
IC1			TA75W01FUF	MOS-IC		R529-540			RK73GB2A102J	CHIP R 1.0K J 1/10W	
IC2		*	SM6611ABH-G	ANALOGUE IC		R541-544			RK73GB2A103J	CHIP R 10K J 1/10W	
IC3			NJM78L05UA-ZB	BI-POLAR IC		R601			RK73GB2A681J	CHIP R 680 J 1/10W	
Q2		*	2SC3356-A(R24)	TRANSISTOR		R604,605			RK73GB2A102J	CHIP R 1.0K J 1/10W	
Q3			2SC3357-A	TRANSISTOR		R606			RK73GB2A473J	CHIP R 47K J 1/10W	
Q4	1B	*	PD55003S-E	FET (DRIVE)		VR501			R32-0689-05	TRIMMING POT. (10K)	
Q5	1B		RD70HVF1-101	FET (FINAL)		VR601			R31-0630-05	VARIABLE RESISTOR	
Q8			2SC4116(Y)F	TRANSISTOR		S501-506			S70-0502-05	TACT SWITCH	
Q9			DTD123EK	DIGITAL TRANSISTOR		S507			S68-0410-05	PUSH SWITCH	
TH1	2B		PTH9M04BE471TS	THERMISTOR		D501,502			HSM88AS-E	DIODE	
DISPLAY UNIT (X54-3580-20)						D506,507			LA-501DD	LED	
D503-505			B30-2151-05	LED (RED/GREEN)		D508-514			DA204U	DIODE	
C501			CS77AA1A100M	CHIP TNL 10UF 10WV		D601,602			DA204U	DIODE	
C502,503			CS77AA1A1R5M	CHIP TNL 1.5UF 10WV		D603			MINISMDC020F	VARIATOR	
C504,505			CK73GB1C104K	CHIP C 0.10UF K		IC501			NJM4558E-ZB	ANALOGUE IC	
C506			CC73GCH1H470J	CHIP C 47PF J		IC502-505			BU4094BCFV	MOS-IC	
C507,508			CK73GB1C104K	CHIP C 0.10UF K		IC506,507			TA78L05FF	MOS-IC	
C509			CK73GB1H103K	CHIP C 0.010UF K		Q501			2SC4116(Y)F	TRANSISTOR	
C510			CS77AA1A100M	CHIP TNL 10UF 10WV		Q502			2SA1586(Y,GR)F	TRANSISTOR	
C511,512			CK73GB1E103K	CHIP C 0.010UF K		Q503,504			UPA672T-A	FET	
C513-518			CC73GCH1H101J	CHIP C 100PF J		Q506			DTA114EUA	DIGITAL TRANSISTOR	
C519,520			CK73GB1E103K	CHIP C 0.010UF K		Q507			UPA672T-A	FET	
C521			CS77AA1A100M	CHIP TNL 10UF 10WV		Q508-511			DTA114EUA	DIGITAL TRANSISTOR	
C522			CK73GB1C104K	CHIP C 0.10UF K		Q512-514			UPA672T-A	FET	
C523			CK73FB1E334K	CHIP C 0.33UF K		Q516-519			UPA672T-A	FET	
C524			CS77AA1A100M	CHIP TNL 10UF 10WV		Q521-524			UPA672T-A	FET	
C525			CK73GB1C104K	CHIP C 0.10UF K		Q525			2SK1824-A	FET	
C526			CK73FB1E334K	CHIP C 0.33UF K		TX-RX UNIT (X57-695X-XX) 0-11 : K,C 0-12 : K2,C2 2-70 : E					
C601			CC73GCH1H101J	CHIP C 100PF J		C1			CC73GCH1H060D	CHIP C 6.0PF D	
C602			CK73GB1H102K	CHIP C 1000PF K		C2			CC73GCH1H390J	CHIP C 39PF J	
C603			CC73GCH1H101J	CHIP C 100PF J		C3			CC73GCH1H020C	CHIP C 2.0PF C	
C606			CC73GCH1H101J	CHIP C 100PF J		C4			CC73GCH1H0R5C	CHIP C 0.5PF C	
C607			CK73GB1C104K	CHIP C 0.10UF K		C5			CC73GCH1H060D	CHIP C 6.0PF D	K,E,C
CN501			E41-2743-05	PIN ASSY		C5			CC73GCH1H080D	CHIP C 8.0PF D	K2,C2
						C6			CC73GCH1H390J	CHIP C 39PF J	
						C7			CK73GB1H103K	CHIP C 0.010UF K	
						C8,9			CK73GB1H102K	CHIP C 1000PF K	
						C10			CC73GCH1H101J	CHIP C 100PF J	

If a part reference number is listed in a shaded box, that part does not come with the PCB.

PARTS LIST / 零件表

TX-RX UNIT (X57-695X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C11			CC73GCH1H060D	CHIP C 6.0PF D	K,E,C	C89,90			CK73GB1H103J	CHIP C 0.010UF J	
C11			CC73GCH1H080D	CHIP C 8.0PF D	K2,C2	C91			CC73GCH1H100D	CHIP C 10PF D	
C12			CC73GCH1H390J	CHIP C 39PF J		C92,93			CK73GB1H102K	CHIP C 1000PF K	
C13			CC73GCH1H020C	CHIP C 2.0PF C		C95			CC73GCH1H150J	CHIP C 15PF J	
C14			CC73GCH1H0R5C	CHIP C 0.5PF C		C96-99			CK73GB1H102K	CHIP C 1000PF K	
C15			CC73GCH1H050C	CHIP C 5.0PF C		C100			CC73GCH1H270J	CHIP C 27PF J	
C16			CC73GCH1H020C	CHIP C 2.0PF C		C102-105			CC73GCH1H100D	CHIP C 10PF D	
C17			CC73GCH1H010C	CHIP C 1.0PF C		C106			CK73GB1H102K	CHIP C 1000PF K	
C18			CC73GCH1H060D	CHIP C 6.0PF D	K,E,C	C107			CC73GCH1H150J	CHIP C 15PF J	
C18			CC73GCH1H090D	CHIP C 9.0PF D	K2,C2	C108			CC73GCH1H030C	CHIP C 3.0PF C	
C19			CC73GCH1H180J	CHIP C 18PF J	K,E,C	C109			CC73GCH1H270J	CHIP C 27PF J	
C19			CC73GCH1H220J	CHIP C 22PF J	K2,C2	C110			CC73GCH1H030C	CHIP C 3.0PF C	
C20			CC73GCH1H101J	CHIP C 100PF J		C111			CC73GCH1H270J	CHIP C 27PF J	
C22			CC73GCH1H100D	CHIP C 10PF D		C113			CC73GCH1H150J	CHIP C 15PF J	
C23			CC73GCH1H180J	CHIP C 18PF J		C120,121			CK73GB1H102K	CHIP C 1000PF K	
C24			C92-0864-05	CHIP TNTL 10UF 10WV		C122,123			CK73GB1H103K	CHIP C 0.010UF K	
C25			CS77AA1A100M	CHIP TNTL 10UF 10WV		C124,125		*	C92-0859-05	ELECTRO 100UF 16WV	
C30			CC73GCH1H680J	CHIP C 68PF J		C126,127			CS77AB21C220M	CHIP TNTL 22UF 16WV	
C31			CC73GCH1H331J	CHIP C 330PF J		C128,129			CK73GB1H103K	CHIP C 0.010UF K	
C32			CK73GB1H103K	CHIP C 0.010UF K		C130-133			CK73GB1H102K	CHIP C 1000PF K	
C33			CC73GCH1H330J	CHIP C 33PF J		C134,135			CK73GB1H103K	CHIP C 0.010UF K	
C34			CK73GB1H103K	CHIP C 0.010UF K		C136-139			C90-4016-05	ELECTRO 47UF 16WV	
C36			CK73GB1H102K	CHIP C 1000PF K		C140,141			CK73GB1H103K	CHIP C 0.010UF K	
C37			CK73GB1H103K	CHIP C 0.010UF K		C142-144			CK73GB1H102K	CHIP C 1000PF K	
C38,39			CC73GCH1H680J	CHIP C 68PF J		C145			CS77AA1A4R7M	CHIP TNTL 4.7UF 10WV	
C40,41			CK73GB1H103K	CHIP C 0.010UF K		C146			CK73GB1H102K	CHIP C 1000PF K	
C42,43			CC73GCH1H030C	CHIP C 3.0PF C		C147			CS77AB21C220M	CHIP TNTL 22UF 16WV	
C44,45			CC73GCH1H040C	CHIP C 4.0PF C		C148			CK73GB1H102K	CHIP C 1000PF K	
C46,47			CC73GCH1H030C	CHIP C 3.0PF C		C149			CK73GB1H103K	CHIP C 0.010UF K	
C48			CK73GB1H103K	CHIP C 0.010UF K		C150			CS77AB21C220M	CHIP TNTL 22UF 16WV	
C49,50			CC73GCH1H680J	CHIP C 68PF J		C151			CS77CB21C3R3M	CHIP TNTL 3.3UF 16WV	
C51			CK73GB1H103K	CHIP C 0.010UF K		C152			CK73GB1H103K	CHIP C 0.010UF K	
C52			CK73GB1H103J	CHIP C 0.010UF J		C153			CK73GB1H102K	CHIP C 1000PF K	
C53			CK73GB1H102K	CHIP C 1000PF K		C154			CS77AA1C100M	CHIP TNTL 10UF 16WV	
C54			CK73GB1H103J	CHIP C 0.010UF J		C155			CK73GB1H103K	CHIP C 0.010UF K	
C55,56			CK73GB1H103K	CHIP C 0.010UF K		C156			CK73GB1H102K	CHIP C 1000PF K	
C57			CK73GB1H103J	CHIP C 0.010UF J		C157			CK73GB1H103K	CHIP C 0.010UF K	
C58			CC73GCH1H180J	CHIP C 18PF J		C158			CS77CB21C3R3M	CHIP TNTL 3.3UF 16WV	
C59			CC73GCH1H150J	CHIP C 15PF J		C159,160			CK73GB1H102K	CHIP C 1000PF K	
C60			CK73GB1H103J	CHIP C 0.010UF J		C161-163			CK73GB1H103K	CHIP C 0.010UF K	
C61			CC73GCH1H080D	CHIP C 8.0PF D		C164			CC73GCH1H471J	CHIP C 470PF J	
C62,63			CK73GB1H103K	CHIP C 0.010UF K		C166,167			CK73GB1H102K	CHIP C 1000PF K	
C64			CK73GB1C104K	CHIP C 0.10UF K		C171,172			CK73GB1H102K	CHIP C 1000PF K	
C65			CS77AA1C100M	CHIP TNTL 10UF 16WV		C173			CK73GB1H103K	CHIP C 0.010UF K	
C66,67			CC73GCH1H331J	CHIP C 330PF J		C174			CS77CB21C3R3M	CHIP TNTL 3.3UF 16WV	
C68-70			CK73GB1C104K	CHIP C 0.10UF K		C175			CK73GB1H102K	CHIP C 1000PF K	
C71			CK73GB1H103K	CHIP C 0.010UF K		C176			CK73GB1H103K	CHIP C 0.010UF K	
C72			CS77AA1C100M	CHIP TNTL 10UF 16WV		C177			CK73GB1H102K	CHIP C 1000PF K	
C73			CK73GB1C104K	CHIP C 0.10UF K		C178			CS77AA1A4R7M	CHIP TNTL 4.7UF 10WV	
C74			CK73GB1H102K	CHIP C 1000PF K		C179			CK73GB1H103K	CHIP C 0.010UF K	
C75			CK73GB1C104K	CHIP C 0.10UF K		C184,185			CK73GB1H102K	CHIP C 1000PF K	
C76			CS77AC1A470M	CHIP TNTL 47UF 10WV		C189,190			CK73GB1H102K	CHIP C 1000PF K	
C77			CK73GB1H102K	CHIP C 1000PF K		C191-195			CK73GB1H103K	CHIP C 0.010UF K	
C78			CK73GB1C104K	CHIP C 0.10UF K		C197			CK73FB1H333K	CHIP C 0.033UF K	
C79			CK73FB1C224K	CHIP C 0.22UF K		C198			CK73GB1C104K	CHIP C 0.10UF K	
C80,81			CS77AA1A100M	CHIP TNTL 10UF 10WV		C199			CK73GB1H103K	CHIP C 0.010UF K	
C82-84			CK73GB1H103K	CHIP C 0.010UF K		C204-208			CC73GCH1H101J	CHIP C 100PF J	
C86			CK73GB1H102K	CHIP C 1000PF K		C209-211			CK73GB1H103K	CHIP C 0.010UF K	
C87			CS77AA1A100M	CHIP TNTL 10UF 10WV		C212-214			CC73GCH1H050C	CHIP C 5.0PF C	K,E,C
C88			CK73GB1H102K	CHIP C 1000PF K		C212,213			CC73GCH1H060D	CHIP C 6.0PF D	K2,C2

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Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
C214			CC73GCH1H050C	CHIP C 5.0PF C	K2,C2	C733			CS77AA1A100M	CHIP TNTL 10UF 10WV	
C216			CK73GB1H471K	CHIP C 470PF K		C734			CC73GCH1H270J	CHIP C 27PF J	
C217			CK73GB1H102K	CHIP C 1000PF K		C735			CC73GCH1H150J	CHIP C 15PF J	
C218			CK73GB1H103K	CHIP C 0.010UF K		C736			CK73GB1H182K	CHIP C 1800PF K	
C219			CS77AB21A220M	CHIP TNTL 22UF 10WV		C737			CC73GCH1H270J	CHIP C 27PF J	
C600			CK73GB1C104K	CHIP C 0.10UF K		C738			CK73GB1E103K	CHIP C 0.010UF K	
C602			CK73GB1C104K	CHIP C 0.10UF K		C739			CC73GCH1H181J	CHIP C 180PF J	
C605			CK73GB1C104K	CHIP C 0.10UF K		C740			CC73GCH1H101J	CHIP C 100PF J	
C613,614			CK73GB1E103K	CHIP C 0.010UF K		C741			CK73GB1E103K	CHIP C 0.010UF K	
C616			CK73GB1E103K	CHIP C 0.010UF K		C742			CK73GB1H471K	CHIP C 470PF K	
C623			CK73GB1C104K	CHIP C 0.10UF K		C743			CK73GB1E103K	CHIP C 0.010UF K	
C629			CC73GCH1H101J	CHIP C 100PF J		C744-746			CS77AA1A100M	CHIP TNTL 10UF 10WV	
C634,635			CC73GCH1H220J	CHIP C 22PF J		C747,748			CK73GB1E103K	CHIP C 0.010UF K	
C638			CK73GB1C104K	CHIP C 0.10UF K		C749			CK73GB1H471K	CHIP C 470PF K	
C639			CK73GB1E103K	CHIP C 0.010UF K		C750,751			CK73GB1E103K	CHIP C 0.010UF K	
C640			CS77AA1A100M	CHIP TNTL 10UF 10WV		C752			CK73GB1H471K	CHIP C 470PF K	
C641			CK73GB1C104K	CHIP C 0.10UF K		C753,754			CS77AA1A100M	CHIP TNTL 10UF 10WV	
C642			CK73GB1E103K	CHIP C 0.010UF K		C755			CK73GB1H471K	CHIP C 470PF K	
C643			CS77AA1A100M	CHIP TNTL 10UF 10WV		C756,757			CS77AA1A100M	CHIP TNTL 10UF 10WV	
C644			CK73GB1E103K	CHIP C 0.010UF K		C758			CK73FB1C105K	CHIP C 1.0UF K	
C645,646			CS77AA1A100M	CHIP TNTL 10UF 10WV		C759			CK73GB1H471K	CHIP C 470PF K	
C647			CC73GCH1H101J	CHIP C 100PF J		C760			CK73GB1H102K	CHIP C 1000PF K	
C648			CK73GB1E103K	CHIP C 0.010UF K		C761			CK73GB1C104K	CHIP C 0.10UF K	
C649			CC73GCH1H330J	CHIP C 33PF J		C762,763			CK73GB1H102K	CHIP C 1000PF K	
C652			CC73GCH1H101J	CHIP C 100PF J		C764,765			CK73GB1E103K	CHIP C 0.010UF K	
C657			CK73GB1E103K	CHIP C 0.010UF K		C766-768			CC73GCH1H101J	CHIP C 100PF J	
C662			CS77AA1A100M	CHIP TNTL 10UF 10WV		C769-771			CS77AAQJ100M	CHIP TNTL 10UF 6.3WV	
C663			CS77AA1E010M	CHIP TNTL 1.0UF 25WV		C772			C92-0823-05	CHIP TNTL 100UF 10WV	
C670			CS77CA1ER47M	CHIP TNTL 0.47UF 25WV		C773			CS77AA1A2R2M	CHIP TNTL 2.2UF 10WV	
C679			CS77AA1A100M	CHIP TNTL 10UF 10WV		C774			CK73FB1C105K	CHIP C 1.0UF K	
C681		*	CS77AD21C680M	CHIP TNTL 68UF 16WV		C775-779			CS77AA1E010M	CHIP TNTL 1.0UF 25WV	
C684			CC73GCH1H101J	CHIP C 100PF J		C780-782			CK73FB1C105K	CHIP C 1.0UF K	
C685			CK73GB1E103K	CHIP C 0.010UF K		C783			CK73GB1H471K	CHIP C 470PF K	
C690			CC73GCH1H101J	CHIP C 100PF J		C784			CK73FB1C105K	CHIP C 1.0UF K	
C691,692			CK73GB1E103K	CHIP C 0.010UF K		C785,786			CK73GB1C104K	CHIP C 0.10UF K	
C693,694			CS77AA1A100M	CHIP TNTL 10UF 10WV		C787			CK73FB1C105K	CHIP C 1.0UF K	
C695,696			CK73GB1H471K	CHIP C 470PF K		C788			CC73GCH1H101J	CHIP C 100PF J	
C697,698			CS77AA1A100M	CHIP TNTL 10UF 10WV		C789		*	CD04AY1E331M	ELECTRO 330UF 25WV	
C700,701			CS77AA1A100M	CHIP TNTL 10UF 10WV		C790			CC73GCH1H101J	CHIP C 100PF J	
C703,704			CK73GB1C104K	CHIP C 0.10UF K		C791			CK73GB1H471K	CHIP C 470PF K	
C705			CK73GB1E103K	CHIP C 0.010UF K		C792-794			CK73GB1H102K	CHIP C 1000PF K	
C706			CS77AA1A100M	CHIP TNTL 10UF 10WV		C795			CC73GCH1H101J	CHIP C 100PF J	
C707-709			CK73GB1E103K	CHIP C 0.010UF K		C796,797			CK73GB1H102K	CHIP C 1000PF K	
C710			CS77AA1A100M	CHIP TNTL 10UF 10WV		C798		*	CD04AY1E470M	ELECTRO 47UF 25WV	
C711			CK73GB1H471K	CHIP C 470PF K		C799			CK73GB1H102K	CHIP C 1000PF K	
C712			CK73GB1E103K	CHIP C 0.010UF K		C800		*	CD04AY1E470M	ELECTRO 47UF 25WV	
C713,714			CS77AA1A100M	CHIP TNTL 10UF 10WV		C801			CS77AA1C100M	CHIP TNTL 10UF 16WV	
C715			CK73GB1E103K	CHIP C 0.010UF K		C802-805			CK73GB1H102K	CHIP C 1000PF K	
C716,717			CK73GB1H471K	CHIP C 470PF K		C806		*	CD04AY1E470M	ELECTRO 47UF 25WV	
C718,719			CK73GB1E103K	CHIP C 0.010UF K		C807-810			CK73GB1H102K	CHIP C 1000PF K	
C720			CS77AA21A010M	CHIP TNTL A01UF 21		C811		*	CD04AY1E470M	ELECTRO 47UF 25WV	
C721,722			CS77AA1A100M	CHIP TNTL 10UF 10WV		C812,813			CK73GB1H102K	CHIP C 1000PF K	
C723			CK73FB1C105K	CHIP C 1.0UF K		C814			C92-0777-05	ELECTRO 1000UF 25WV	
C724			CK73GB1H182K	CHIP C 1800PF K		C815			CK73FB1E104K	CHIP C 0.10UF K	
C725			CC73GCH1H470J	CHIP C 47PF J		C816			CK73GB1H102K	CHIP C 1000PF K	
C726			CC73GCH1H181J	CHIP C 180PF J		C817		*	CD04AY1E470M	ELECTRO 47UF 25WV	
C727,728			CK73GB1E103K	CHIP C 0.010UF K		C818-820			CK73GB1H102K	CHIP C 1000PF K	
C729			CS77AA1A100M	CHIP TNTL 10UF 10WV		C821,822			CC73GCH1H101J	CHIP C 100PF J	
C730,731			CK73GB1E103K	CHIP C 0.010UF K		C823			CS77AB20G470M	CHIP TNTL 47UF 4WV	
C732			CK73GB1H471K	CHIP C 470PF K		C824			CK73GB1H472K	CHIP C 4700PF K	

PARTS LIST / 零件表

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Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C825			CK73GB1C104K	CHIP C 0.10UF K		L27,28			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	K2,C2
C826			CS77AA1C100M	CHIP TNTL 10UF 16WV		L28			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	K,E,C
C827			C92-0823-05	CHIP TNTL 100UF 10WV		L29-31			L41-3375-33	SMALL FIXED INDUCTOR (0.033UH)	
C828			CS77AA1A2R2M	CHIP TNTL 2.2UF 10WV		L32			L40-1085-45	SMALL FIXED INDUCTOR (0.10UH)	
C829			CK73GB1C104K	CHIP C 0.10UF K		L33			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
C830			CK73GB1E103K	CHIP C 0.010UF K		L34-38			L92-0140-05	CHIP FERRITE	
C831			CK73GB1H102K	CHIP C 1000PF K		L39			L92-0158-05	CHIP FERRITE	
C832,833			CK73GB1E103K	CHIP C 0.010UF K		L41			L40-1085-92	SMALL FIXED INDUCTOR (100NH)	
C834,835			CK73GB1C104K	CHIP C 0.10UF K		L43			L92-0140-05	CHIP FERRITE	
C836-838			CK73GB1E103K	CHIP C 0.010UF K		L600-608			L92-0140-05	CHIP FERRITE	
C839			CK73GB1H271K	CHIP C 270PF K		L611-613			L92-0140-05	CHIP FERRITE	
C840			CK73GB1H472K	CHIP C 4700PF K		X1			L77-1762-05	CRYSTAL RESONATOR (44.395MHZ)	
C841			CK73FB1C105K	CHIP C 1.0UF K		X2,3	*		L77-1848-15	VCXO (16.8MHZ/2.0PPM)	
C842			CS77AA1E010M	CHIP TNTL 1.0UF 25WV		X600			L78-1417-05	RESONATOR (14.7456MHZ)	
C843,844			CK73GB1C104K	CHIP C 0.10UF K		X601			L77-1799-05	CRYSTAL RESONATOR (16.515MHZ)	
C851			CK73GB1C104K	CHIP C 0.10UF K		XF1			L71-0513-05	MCF (44.85MHZ NARROW)	
C852			CK73GB1H102K	CHIP C 1000PF K		XF2			L71-0512-05	MCF (44.85MHZ WIDE)	K,K2,C
CN1			E04-0154-05	PIN SOCKET		XF2			L71-0512-05	MCF (44.85MHZ WIDE)	C2
CN2			E41-2735-05	PIN ASSY		XF2	*		L71-0627-05	MCF (44.85M WIDE)	E
CN3			E04-0154-05	PIN SOCKET		CP600,601			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CN4			E41-2735-05	PIN ASSY		CP603			RK75GA1J101J	CHIP-COM 100 J 1/16W	
CN14		*	E40-6656-05	PIN ASSY		CP604,605			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CN15			E41-2672-05	PIN ASSY		CP606	*		RK75GA1J472J	CHIP-COM 4.7K J 1/16W	
CN16			E41-2738-05	PIN ASSY		CP607,608			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CN18,19			E04-0154-05	PIN SOCKET		CP609			RK75GA1J101J	CHIP-COM 100 J 1/16W	
CN600			E40-6102-05	PIN ASSY		CP610,611			RK75GB1J100J	CHIP-COM 10 J 1/16W	
CN601			E40-6654-05	PIN ASSY		CP612-614			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CN602		*	E40-6656-05	PIN ASSY		CP615-619			RK75GB1J100J	CHIP-COM 10 J 1/16W	
CN603		*	E40-6655-05	PIN ASSY		CP620			RK75GA1J101J	CHIP-COM 100 J 1/16W	
CN604			E40-6653-05	PIN ASSY		R1			RK73GB2A272J	CHIP R 2.7K J 1/10W	
CN605			E41-2671-05	PIN ASSY		R3			RK73GB2A681J	CHIP R 680 J 1/10W	
CN606			E40-5960-05	PIN ASSY		R4			RK73GB2A100J	CHIP R 10 J 1/10W	
-			F11-0844-05	SHIELDING CASE		R5			RK73GB2A680J	CHIP R 68 J 1/10W	
F1			F53-0392-05	FUSE		R6			RK73GB2A102J	CHIP R 1.0K J 1/10W	
CF1			L72-0366-05	CERAMIC FILTER		R7			RK73GB2A103J	CHIP R 10K J 1/10W	
CF2			L72-0376-05	CERAMIC FILTER		R8			RK73GB2A333J	CHIP R 33K J 1/10W	
L1			L34-4616-05	AIR-CORE COIL		R9			RK73GB2A101J	CHIP R 100 J 1/10W	
L2,3		*	L34-4815-05	COIL		R10			RK73GB2A473J	CHIP R 47K J 1/10W	
L4			L41-1295-33	SMALL FIXED INDUCTOR (1.2UH)		R11			RK73GB2A223J	CHIP R 22K J 1/10W	
L5-7		*	L34-4815-05	COIL		R13			RK73GB2A470J	CHIP R 47 J 1/10W	
L8			L41-2275-33	SMALL FIXED INDUCTOR (0.022UH)		R14,15			RK73GB2A271J	CHIP R 270 J 1/10W	
L9			L41-5675-33	SMALL FIXED INDUCTOR (0.056UH)		R16			RK73GB2A180J	CHIP R 18 J 1/10W	
L10			L40-1581-37	SMALL FIXED INDUCTOR (0.150UH)		R17			RK73FB2B000J	CHIP R 0.0 J 1/8W	
L11			L41-1885-33	SMALL FIXED INDUCTOR (0.18UH)		R18			RK73GB2A474J	CHIP R 470K J 1/10W	
L12			L40-3381-37	SMALL FIXED INDUCTOR (0.330UH)		R19			RK73GB2A224J	CHIP R 220K J 1/10W	
L13			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R20			RK73GB2A824J	CHIP R 820K J 1/10W	
L14			L34-4794-05	COIL		R21			RK73GB2A684J	CHIP R 680K J 1/10W	
L15			L34-4793-05	COIL		R22			RK73GB2A471J	CHIP R 470 J 1/10W	
L16			L34-4794-05	COIL		R30			RK73GB2A821J	CHIP R 820 J 1/10W	
L17,18			L34-4793-05	COIL		R31			RK73GB2A5R6J	CHIP R 5.6 J 1/10W	
L19			L34-4794-05	COIL		R32			RK73GB2A821J	CHIP R 820 J 1/10W	
L20			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		R33			RK73GB2A470J	CHIP R 47 J 1/10W	
L21			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		R34			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L22			L41-8275-33	SMALL FIXED INDUCTOR (0.082UH)		R35			RK73GB2A182J	CHIP R 1.8K J 1/10W	
L23			L41-1095-33	SMALL FIXED INDUCTOR (1.0UH)		R36			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L24			L34-4787-05	COIL		R37			RK73GB2A682J	CHIP R 6.8K J 1/10W	
L25			L41-5675-33	SMALL FIXED INDUCTOR (0.056UH)		R38			RK73GB2A000J	CHIP R 0.0 J 1/10W	
L26			L41-4775-33	SMALL FIXED INDUCTOR (0.047UH)		R39			RK73GB2A560J	CHIP R 56 J 1/10W	
L27			L41-3995-33	SMALL FIXED INDUCTOR (3.9UH)	K,E,C	R40			RK73GB2A270J	CHIP R 27 J 1/10W	

PARTS LIST / 零件表

TX-RX UNIT (X57-695X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Desti-nation	Ref. No.	Address	New parts	Parts No.	Description	Desti-nation
R41			RK73GB2A222J	CHIP R 2.2K J 1/10W		R144			RK73GB2A223J	CHIP R 22K J 1/10W	
R42-45			RK73GB2A223J	CHIP R 22K J 1/10W		R148			RK73GB2A223J	CHIP R 22K J 1/10W	
R46			RK73GB2A222J	CHIP R 2.2K J 1/10W		R150			RK73GB2A180J	CHIP R 18 J 1/10W	
R47			RK73GB2A153J	CHIP R 15K J 1/10W		R151-158			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R48			RK73GB2A473J	CHIP R 47K J 1/10W		R159			RK73GB2A221J	CHIP R 220 J 1/10W	
R49			RK73GB2A221J	CHIP R 220 J 1/10W		R160			RK73GB2A271J	CHIP R 270 J 1/10W	
R50			RK73GB2A153J	CHIP R 15K J 1/10W		R161,162			RK73GB2A471J	CHIP R 470 J 1/10W	
R51			RK73GB2A000J	CHIP R 0.0 J 1/10W		R163,164			RK73GB2A271J	CHIP R 270 J 1/10W	
R52			RK73GB2A223J	CHIP R 22K J 1/10W		R165			RK73GB2A471J	CHIP R 470 J 1/10W	
R53			RK73GB2A682J	CHIP R 6.8K J 1/10W		R166			RK73GB2A223J	CHIP R 22K J 1/10W	
R54			RK73GB2A102J	CHIP R 1.0K J 1/10W		R176			RK73GB2A473J	CHIP R 47K J 1/10W	
R55			RK73GB2A223J	CHIP R 22K J 1/10W		R196			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R56			RK73GB2A682J	CHIP R 6.8K J 1/10W		R197			RK73GB2A182J	CHIP R 1.8K J 1/10W	
R57			RK73GB2A332J	CHIP R 3.3K J 1/10W		R198			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R58			RK73GB2A153J	CHIP R 15K J 1/10W		R200,201			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R60			RK73GB2A103J	CHIP R 10K J 1/10W		R600			RK73GB2A473J	CHIP R 47K J 1/10W	
R61			RK73GB2A274J	CHIP R 270K J 1/10W		R601			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R62			RK73GB2A222J	CHIP R 2.2K J 1/10W		R602			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R63			RK73GB2A183J	CHIP R 18K J 1/10W		R603			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R65			RK73GB2A472J	CHIP R 4.7K J 1/10W		R604			RK73GB2A333J	CHIP R 33K J 1/10W	
R66			RK73GB2A334J	CHIP R 330K J 1/10W		R605			RK73GB2A104J	CHIP R 100K J 1/10W	
R67			RK73GB2A560J	CHIP R 56 J 1/10W		R606			RK73GB2A473J	CHIP R 47K J 1/10W	
R68,69			RK73GB2A332J	CHIP R 3.3K J 1/10W		R607-613			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R70			RK73GB2A102J	CHIP R 1.0K J 1/10W		R614			RK73GB2A473J	CHIP R 47K J 1/10W	
R71			RK73GB2A823J	CHIP R 82K J 1/10W		R615			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R72			RK73GB2A334J	CHIP R 330K J 1/10W		R616			RK73GB2A473J	CHIP R 47K J 1/10W	
R73			RK73GB2A474J	CHIP R 470K J 1/10W		R618			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R74,75			RK73GB2A220J	CHIP R 22 J 1/10W		R619			RK73GB2A473J	CHIP R 47K J 1/10W	
R76			RK73GB2A104J	CHIP R 100K J 1/10W		R620-622			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R77,78			RK73GB2A473J	CHIP R 47K J 1/10W		R623,624			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R79			RK73GB2A104J	CHIP R 100K J 1/10W		R625-627			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R82			RK73GB2A474J	CHIP R 470K J 1/10W		R629			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R83			RK73GB2A000J	CHIP R 0.0 J 1/10W		R630,631			RK73GB2A473J	CHIP R 47K J 1/10W	
R87,88			RK73GB2A102J	CHIP R 1.0K J 1/10W		R633,634			RK73GB2A473J	CHIP R 47K J 1/10W	
R90			RK73GB2A000J	CHIP R 0.0 J 1/10W		R635			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R91			RK73GB2A472J	CHIP R 4.7K J 1/10W		R637			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R92			RK73GB2A182J	CHIP R 1.8K J 1/10W		R638			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R93			RK73GB2A101J	CHIP R 100 J 1/10W		R639			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R94			RK73GB2A470J	CHIP R 47 J 1/10W		R640			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R95			RK73GB2A472J	CHIP R 4.7K J 1/10W		R641			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R96			RK73GB2A182J	CHIP R 1.8K J 1/10W		R642			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R97			RK73GB2A472J	CHIP R 4.7K J 1/10W		R643			RK73GB2A473J	CHIP R 47K J 1/10W	
R98			RK73GB2A182J	CHIP R 1.8K J 1/10W		R644			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R99			RK73GB2A101J	CHIP R 100 J 1/10W		R645,646			RK73GB2A473J	CHIP R 47K J 1/10W	
R100			RK73GB2A220J	CHIP R 22 J 1/10W		R647,648			RK73GB2A101J	CHIP R 100 J 1/10W	
R104			RK73FB2B000J	CHIP R 0.0 J 1/8W		R649-651			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R106			RK73GB2A000J	CHIP R 0.0 J 1/10W		R652			RK73GB2A101J	CHIP R 100 J 1/10W	
R109			RK73GB2A101J	CHIP R 100 J 1/10W		R653,654			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R110			RK73GB2A821J	CHIP R 820 J 1/10W		R655			RK73GB2A473J	CHIP R 47K J 1/10W	
R111			RK73GB2A5R6J	CHIP R 5.6 J 1/10W		R656			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R112			RK73GB2A821J	CHIP R 820 J 1/10W		R657-661			RK73GB2A473J	CHIP R 47K J 1/10W	
R120,121			RK73GB2A152J	CHIP R 1.5K J 1/10W		R662			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R122,123			RK73GB2A100J	CHIP R 10 J 1/10W		R663-667			RK73GB2A473J	CHIP R 47K J 1/10W	
R124,125			RK73GB2A152J	CHIP R 1.5K J 1/10W		R668			RK73GB2A183J	CHIP R 18K J 1/10W	
R126,127			RK73GB2A100J	CHIP R 10 J 1/10W		R669-671			RK73GB2A223J	CHIP R 22K J 1/10W	
R128			RK73GB2A472J	CHIP R 4.7K J 1/10W		R672			RK73GB2A104J	CHIP R 100K J 1/10W	
R129,130			RK73GB2A473J	CHIP R 47K J 1/10W		R673			RK73GB2A224J	CHIP R 220K J 1/10W	
R137,138			RK73GB2A102J	CHIP R 1.0K J 1/10W		R674			RK73GB2A823J	CHIP R 82K J 1/10W	
R139-142			RK73GB2A000J	CHIP R 0.0 J 1/10W		R675			RK73GB2A104J	CHIP R 100K J 1/10W	
R143			RK73GB2A102J	CHIP R 1.0K J 1/10W		R676			RK73GB2A823J	CHIP R 82K J 1/10W	

PARTS LIST / 零件表

TX-RX UNIT (X57-695X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R678			RK73GB2A104J	CHIP R 100K J 1/10W		R768			RK73GB2A122J	CHIP R 1.2K J 1/10W	
R679,680			RK73GB2A223J	CHIP R 22K J 1/10W		R771			RK73GB2A122J	CHIP R 1.2K J 1/10W	
R681			RK73GB2A183J	CHIP R 18K J 1/10W		R772			RK73GB2A473J	CHIP R 47K J 1/10W	
R682			RK73GB2A153J	CHIP R 15K J 1/10W		R773			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R683			RK73GB2A124J	CHIP R 120K J 1/10W		R774			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R684			RK73GB2A473J	CHIP R 47K J 1/10W		R775			RK73GB2A473J	CHIP R 47K J 1/10W	
R685,686			RK73GB2A104J	CHIP R 100K J 1/10W		R776			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R687			RK73GB2A223J	CHIP R 22K J 1/10W		R777			RK73GB2A473J	CHIP R 47K J 1/10W	
R688-690			RK73GB2A473J	CHIP R 47K J 1/10W		R778			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R691-693			RK73GB2A000J	CHIP R 0.0 J 1/10W		R779			RK73GB2A473J	CHIP R 47K J 1/10W	
R694,695			RK73GB2A101J	CHIP R 100 J 1/10W		R780			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R696			RK73GB2A103J	CHIP R 10K J 1/10W		R781			RK73GB2A471J	CHIP R 470 J 1/10W	
R697			RK73GB2A101J	CHIP R 100 J 1/10W		R782			RK73GB2A473J	CHIP R 47K J 1/10W	
R698			RK73GB2A103J	CHIP R 10K J 1/10W		R783			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R699			RK73GB2A000J	CHIP R 0.0 J 1/10W		R785			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R700			RK73GB2A101J	CHIP R 100 J 1/10W		R786			RK73GB2A473J	CHIP R 47K J 1/10W	
R701			RK73GB2A000J	CHIP R 0.0 J 1/10W		R787			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R702			RK73GB2A473J	CHIP R 47K J 1/10W		R789			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R703			RK73GB2A000J	CHIP R 0.0 J 1/10W		R790			RK73GB2A473J	CHIP R 47K J 1/10W	
R704,705			RK73GB2A473J	CHIP R 47K J 1/10W		R791			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R707-709			RK73GB2A223J	CHIP R 22K J 1/10W		R793			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R710			RK73GB2A473J	CHIP R 47K J 1/10W		R794			RK73GB2A473J	CHIP R 47K J 1/10W	
R712			RK73GB2A473J	CHIP R 47K J 1/10W		R795			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R713			RK73GB2A273J	CHIP R 27K J 1/10W		R798			RK73GB2A473J	CHIP R 47K J 1/10W	
R714			RK73GB2A223J	CHIP R 22K J 1/10W		R799			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R715			RK73GB2A103J	CHIP R 10K J 1/10W		R802			RK73FB2B2R2J	CHIP R 2.2 J 1/8W	
R717,718			RK73GB2A473J	CHIP R 47K J 1/10W		R803			RK73GB2A473J	CHIP R 47K J 1/10W	
R719			RK73GB2A154J	CHIP R 150K J 1/10W		R804			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R720			RK73GB2A473J	CHIP R 47K J 1/10W		R805			RK73GB2A473J	CHIP R 47K J 1/10W	
R721			RK73GB2A223J	CHIP R 22K J 1/10W		R806			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R722			RK73GB2A334J	CHIP R 330K J 1/10W		R807			RK73GB2A473J	CHIP R 47K J 1/10W	
R723,724			RK73GB2A000J	CHIP R 0.0 J 1/10W		R808			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R726			RK73GB2A473J	CHIP R 47K J 1/10W		R809			RK73GB2A473J	CHIP R 47K J 1/10W	
R727			RK73GB2A000J	CHIP R 0.0 J 1/10W		R810			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R728,729			RK73GB2A223J	CHIP R 22K J 1/10W		R811			RK73GB2A473J	CHIP R 47K J 1/10W	
R730			RK73GB2A101J	CHIP R 100 J 1/10W		R812			RK73GB2A223J	CHIP R 22K J 1/10W	
R731			RK73GB2A472J	CHIP R 4.7K J 1/10W		R813,814			RK73GB2A473J	CHIP R 47K J 1/10W	
R732			RK73GB2A473J	CHIP R 47K J 1/10W		R815			RK73GB2A104J	CHIP R 100K J 1/10W	
R733			RK73GB2A000J	CHIP R 0.0 J 1/10W		R817			RK73GB2A101J	CHIP R 100 J 1/10W	
R734			RK73GB2A473J	CHIP R 47K J 1/10W		R818			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R735			RK73GB2A333J	CHIP R 33K J 1/10W		R819-822			RK73GB2A103J	CHIP R 10K J 1/10W	
R736,737			RK73GB2A473J	CHIP R 47K J 1/10W		R823			RK73GB2A474J	CHIP R 470K J 1/10W	
R738			RK73GB2A274J	CHIP R 270K J 1/10W		R824			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R739			RK73GB2A103J	CHIP R 10K J 1/10W		R825,826			RK73GB2A824J	CHIP R 820K J 1/10W	
R740			RK73GB2A104J	CHIP R 100K J 1/10W		R827			RK73GB2A822J	CHIP R 8.2K J 1/10W	
R741			RK73GB2A154J	CHIP R 150K J 1/10W		R828			RK73GB2A273J	CHIP R 27K J 1/10W	
R742			RK73FB2B000J	CHIP R 0.0 J 1/8W		R829			RK73GB2A224J	CHIP R 220K J 1/10W	
R743			RK73GB2A473J	CHIP R 47K J 1/10W		R830			RK73GB2A563J	CHIP R 56K J 1/10W	
R744			RK73GB2A393J	CHIP R 39K J 1/10W		R831			RK73GB2A154J	CHIP R 150K J 1/10W	
R745			RK73GB2A473J	CHIP R 47K J 1/10W		R832			RK73GB2A822J	CHIP R 8.2K J 1/10W	
R747			RK73GB2A103J	CHIP R 10K J 1/10W		R833			RK73GB2A223J	CHIP R 22K J 1/10W	
R749-752			RK73GB2A000J	CHIP R 0.0 J 1/10W		R834			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R753,754			RK73GB2A473J	CHIP R 47K J 1/10W		R836			RK73GB2A473J	CHIP R 47K J 1/10W	
R758			RK73GB2A103J	CHIP R 10K J 1/10W		R837			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R760			RK73GB2A122J	CHIP R 1.2K J 1/10W		R839,840			RK73GB2A561J	CHIP R 560 J 1/10W	
R762			RK73GB2A472J	CHIP R 4.7K J 1/10W		R841,842			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R763			RK73GB2A103J	CHIP R 10K J 1/10W		R843			RK73GB2A274J	CHIP R 270K J 1/10W	
R764,765			RK73GB2A102J	CHIP R 1.0K J 1/10W		R844			RK73GB2A334J	CHIP R 330K J 1/10W	
R766			RK73GB2A122J	CHIP R 1.2K J 1/10W		K1			S76-0401-05	RELAY	
R767			RK73GB2A473J	CHIP R 47K J 1/10W							

PARTS LIST / 零件表

RX VCO UNIT (X58-4942-70)

TX VCO UNIT (X58-4952-70)

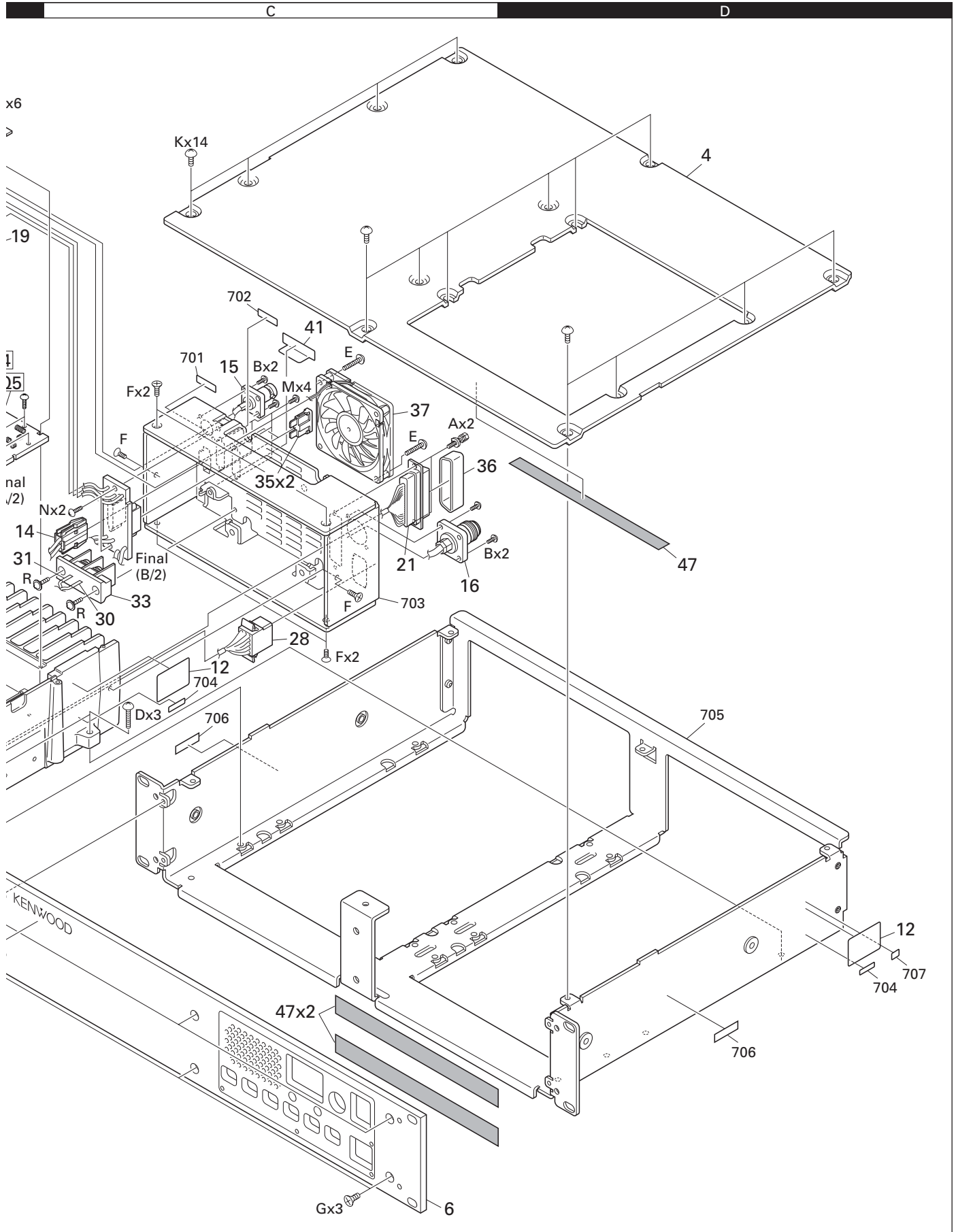
Ref. No.	Address	New parts	Parts No.	Description	Destination
C364,365			CK73GB1H102K	CHIP C 1000PF K	
C366			CC73GCH1H180G	CHIP C 18PF G	
C367			CC73GCH1H150G	CHIP C 15PF G	
C368			CC73GCH1H180G	CHIP C 18PF G	
C369			CC73GCH1H150G	CHIP C 15PF G	
C370			CC73GCH1H180G	CHIP C 18PF G	
C371			CC73GCH1H150G	CHIP C 15PF G	
C372,373			CK73GB1H102K	CHIP C 1000PF K	
C374,375			CC73GCH1H010B	CHIP C 1.0PF B	
C376-378			CK73GB1H102K	CHIP C 1000PF K	
C379			CC73GCH1H100C	CHIP C 10PF C	
C383			CK73GB1H102K	CHIP C 1000PF K	
C385			CK73GB1H102K	CHIP C 1000PF K	
C387,388			CK73GB1H103K	CHIP C 0.010UF K	
C389			CK73GB1E104K	CHIP C 0.10UF K	
C391			CK73GB1H102K	CHIP C 1000PF K	
C392			CK73GB1H471K	CHIP C 470PF K	
C393,394			CC73GCH1H101J	CHIP C 100PF J	
TC350,351			C05-0396-05	TRIMMER CAPACITOR (8PF)	
CN300			E40-5699-05	PIN ASSY	
CN350			E40-5755-05	PIN ASSY	
CN351			E40-6098-05	PIN ASSY	
-			F10-2377-04	SHIELDING CASE	
-		*	F10-3078-04	SHIELDING CASE	
L302			L41-6878-14	SMALL FIXED INDUCTOR (68NH)	
L303			L41-3978-14	SMALL FIXED INDUCTOR (39NH)	
L307			L92-0140-05	CHIP FERRITE	
L350-355			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
L356,357			L34-4612-05	AIR-CORE COIL	
L358-361			L41-1005-33	SMALL FIXED INDUCTOR (10UH)	
L362			L41-8275-33	SMALL FIXED INDUCTOR (0.082UH)	
L363,364			L41-6868-14	SMALL FIXED INDUCTOR (6.8NH)	
R302-304			RK73GB2A101J	CHIP R 100 J 1/10W	
R308			RK73GB2A560J	CHIP R 56 J 1/10W	
R309			RK73GB2A221J	CHIP R 220 J 1/10W	
R312			RK73GB2A221J	CHIP R 220 J 1/10W	
R313			RK73GB2A681J	CHIP R 680 J 1/10W	
R314			RK73GB2A474J	CHIP R 470K J 1/10W	
R315			RK73GB2A331J	CHIP R 330 J 1/10W	
R316			RK73FB2B152J	CHIP R 1.5K J 1/8W	
R317,318			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R319			RK73GB2A470J	CHIP R 47 J 1/10W	
R320			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R321			RK73GB2A103J	CHIP R 10K J 1/10W	
R322			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R323			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R350-353			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R354,355			RK73GB2A330J	CHIP R 33 J 1/10W	
R356,357			RK73GB2A271J	CHIP R 270 J 1/10W	
R358,359			RK73GB2A470J	CHIP R 47 J 1/10W	
R360-363			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R364			RK73GB2A103J	CHIP R 10K J 1/10W	
R365			RK73GB2A473J	CHIP R 47K J 1/10W	
R366			RK73GB2A103J	CHIP R 10K J 1/10W	
R367			RK73GB2A221J	CHIP R 220 J 1/10W	
R368			RK73GB2A330J	CHIP R 33 J 1/10W	
R380			RK73GB2A101J	CHIP R 100 J 1/10W	
R381			RK73GB2A221J	CHIP R 220 J 1/10W	
R382			RK73GB2A220J	CHIP R 22 J 1/10W	
R384			RK73GB2A221J	CHIP R 220 J 1/10W	
R385			RK73GB2A101J	CHIP R 100 J 1/10W	
R386			RK73GB2A220J	CHIP R 22 J 1/10W	
R387			RK73FB2B000J	CHIP R 0.0 J 1/8W	
R388			RK73GB2A333J	CHIP R 33K J 1/10W	
R389			RK73GB2A473J	CHIP R 47K J 1/10W	
R390			RK73GB2A103J	CHIP R 10K J 1/10W	
R391-393			RK73GB2A473J	CHIP R 47K J 1/10W	
R394			RK73GB2A471J	CHIP R 470 J 1/10W	
D300			1SS355	DIODE	
D350-353			1SV282-F	VARIABLE CAPACITANCE DIODE	
IC301			LMX2352TMX/NP	ANALOGUE IC	
Q300,301			2SC4116(GR)F	TRANSISTOR	
Q302			2SC5108(Y)F	TRANSISTOR	
Q304			2SA1832(GR)F	TRANSISTOR	
Q305			DTC144EUA	DIGITAL TRANSISTOR	
Q306,307			2SK1824-A	FET	
Q350,351			2SK508NV(K52)	FET	
Q352,353			2SC4116(Y)F	TRANSISTOR	
Q354			DTC114EUA	DIGITAL TRANSISTOR	
Q355			2SC4215-F(Y)	TRANSISTOR	
TX VCO UNIT (X58-4952-70)					
C306			CK73GB1H103K	CHIP C 0.010UF K	
C307			CK73GB1H471K	CHIP C 470PF K	
C311			CS77CA1V0R1M	CHIP TNL 0.1UF 35WV	
C312			CC73GCH1H390J	CHIP C 39PF J	
C313			CC73GCH1H3R5B	CHIP C 3.5PF B	
C315			CK73FB1H473K	CHIP C 0.047UF K	
C317			CC73GCH1H390J	CHIP C 39PF J	
C318			CS77AA1A6R8M	CHIP TNL 6.8UF 10WV	
C319			CK73GB1H471K	CHIP C 470PF K	
C320			CS77AA1A6R8M	CHIP TNL 6.8UF 10WV	
C321			CC73GCH1H030B	CHIP C 3.0PF B	
C322			CK73GB1H471K	CHIP C 470PF K	
C323			CK73FB1E224K	CHIP C 0.22UF K	
C324			CS77CA1ER47M	CHIP TNL 0.47UF 25WV	
C325			CC73GCH1H050C	CHIP C 5.0PF C	
C329			CK73GB1H471K	CHIP C 470PF K	
C333			CK73GB1E104K	CHIP C 0.10UF K	
C354			CK73GB1H102K	CHIP C 1000PF K	
C355			CC73GCH1H180G	CHIP C 18PF G	
C356			CC73GCH1H270G	CHIP C 27PF G	
C357			CK73GB1H102K	CHIP C 1000PF K	
C359			CC73GCH1H020B	CHIP C 2.0PF B	
C360,361			CK73FB1C474K	CHIP C 0.47UF K	
C362			CC73GCH1H150G	CHIP C 15PF G	
C363			CC73GCH1H080B	CHIP C 8.0PF B	
C364,365			CK73GB1H102K	CHIP C 1000PF K	
C366			CC73GCH1H270G	CHIP C 27PF G	
C367			CC73GCH1H180G	CHIP C 18PF G	
C368			CC73GCH1H150G	CHIP C 15PF G	
C369			CC73GCH1H090B	CHIP C 9.0PF B	
C370			CC73GCH1H150G	CHIP C 15PF G	
C371			CC73GCH1H090B	CHIP C 9.0PF B	
C372,373			CK73GB1H102K	CHIP C 1000PF K	
C374,375			CC73GCH1H010B	CHIP C 1.0PF B	

PARTS LIST / 零件表

TX VCO UNIT (X58-4952-70)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
C376-378			CK73GB1H102K	CHIP C 1000PF K		R386			RK73GB2A220J	CHIP R 22 J 1/10W	
C379			CC73GCH1H100C	CHIP C 10PF C		R387			RK73FB2B000J	CHIP R 0.0 J 1/8W	
C380,381			CC73GCH1HR75B	CHIP C 0.75PF B		R388			RK73GB2A333J	CHIP R 33K J 1/10W	
C382,383			CK73GB1H102K	CHIP C 1000PF K		R389			RK73GB2A473J	CHIP R 47K J 1/10W	
C385			CK73GB1H102K	CHIP C 1000PF K		R390			RK73GB2A103J	CHIP R 10K J 1/10W	
C387,388			CK73GB1H103K	CHIP C 0.010UF K		R391-393			RK73GB2A473J	CHIP R 47K J 1/10W	
C389			CK73GB1E104K	CHIP C 0.10UF K		R394			RK73GB2A471J	CHIP R 470 J 1/10W	
C391			CK73GB1H102K	CHIP C 1000PF K		D300			1SS355	DIODE	
C392			CK73GB1H471K	CHIP C 470PF K		D350-353			1SV282-F	VARIABLE CAPACITANCE DIODE	
C393,394			CC73GCH1H101J	CHIP C 100PF J		D354,355			1SV214-F	VARIABLE CAPACITANCE DIODE	
TC350,351			C05-0396-05	TRIMMER CAPACITOR (8PF)		IC301			LMX2352TMX/NP	ANALOGUE IC	
CN300			E40-5699-05	PIN ASSY		Q300,301			2SC4116(GR)F	TRANSISTOR	
CN350			E40-5755-05	PIN ASSY		Q302			2SC5108(Y)F	TRANSISTOR	
CN351			E40-6098-05	PIN ASSY		Q304			2SA1832(GR)F	TRANSISTOR	
-			F10-2377-04	SHIELDING CASE		Q305			DTC114EUA	DIGITAL TRANSISTOR	
-		*	F10-3078-04	SHIELDING CASE		Q306,307			2SK1824-A	FET	
L302			L41-6878-14	SMALL FIXED INDUCTOR (68NH)		Q350,351			2SK508NV(K52)	FET	
L303			L41-5678-14	SMALL FIXED INDUCTOR (56NH)		Q352,353			2SC4116(Y)F	TRANSISTOR	
L307			L92-0140-05	CHIP FERRITE		Q354			DTC114EUA	DIGITAL TRANSISTOR	
L350-355			L41-1005-33	SMALL FIXED INDUCTOR (10UH)		Q355			2SC4215-F(Y)	TRANSISTOR	
L356,357			L34-4612-05	AIR-CORE COIL							
L360,361			L41-1005-33	SMALL FIXED INDUCTOR (10UH)							
L362			L41-8275-33	SMALL FIXED INDUCTOR (0.082UH)							
L363,364			L41-6868-14	SMALL FIXED INDUCTOR (6.8NH)							
R302-304			RK73GB2A101J	CHIP R 100 J 1/10W							
R308			RK73GB2A560J	CHIP R 56 J 1/10W							
R309			RK73GB2A221J	CHIP R 220 J 1/10W							
R312			RK73GB2A221J	CHIP R 220 J 1/10W							
R313			RK73GB2A681J	CHIP R 680 J 1/10W							
R314			RK73GB2A474J	CHIP R 470K J 1/10W							
R315			RK73GB2A331J	CHIP R 330 J 1/10W							
R316			RK73FB2B152J	CHIP R 1.5K J 1/8W							
R317,318			RK73GB2A000J	CHIP R 0.0 J 1/10W							
R319			RK73GB2A470J	CHIP R 47 J 1/10W							
R320			RK73GB2A102J	CHIP R 1.0K J 1/10W							
R321			RK73GB2A103J	CHIP R 10K J 1/10W							
R322			RK73GB2A562J	CHIP R 5.6K J 1/10W							
R323			RK73GB2A102J	CHIP R 1.0K J 1/10W							
R350-353			RK73GB2A000J	CHIP R 0.0 J 1/10W							
R354,355			RK73GB2A330J	CHIP R 33 J 1/10W							
R356,357			RK73GB2A471J	CHIP R 470 J 1/10W							
R358,359			RK73GB2A470J	CHIP R 47 J 1/10W							
R360-363			RK73GB2A472J	CHIP R 4.7K J 1/10W							
R364			RK73GB2A103J	CHIP R 10K J 1/10W							
R365			RK73GB2A473J	CHIP R 47K J 1/10W							
R366			RK73GB2A103J	CHIP R 10K J 1/10W							
R367			RK73GB2A221J	CHIP R 220 J 1/10W							
R368			RK73GB2A330J	CHIP R 33 J 1/10W							
R370,371			RK73GB2A103J	CHIP R 10K J 1/10W							
R372			RK73GB2A223J	CHIP R 22K J 1/10W							
R373			RK73GB2A104J	CHIP R 100K J 1/10W							
R374			RK73GB2A223J	CHIP R 22K J 1/10W							
R375			RK73GB2A104J	CHIP R 100K J 1/10W							
R380			RK73GB2A101J	CHIP R 100 J 1/10W							
R381			RK73GB2A221J	CHIP R 220 J 1/10W							
R382			RK73GB2A220J	CHIP R 22 J 1/10W							
R384			RK73GB2A221J	CHIP R 220 J 1/10W							
R385			RK73GB2A101J	CHIP R 100 J 1/10W							

EXPLODED VIEW / 部件分解图

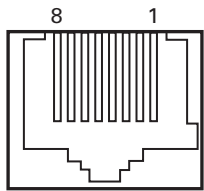


ADJUSTMENT

Test Equipment Required for Alignment

Test Equipment	Major Specifications	
1. Standard Signal Generator (SSG)	Frequency Range	136 to 174MHz
	Modulation	Frequency modulation and external modulation
	Output	0.1 μ V to greater than 1mV
2. Power Meter	Input Impedance	50 Ω
	Operation Frequency	136 to 174MHz or more
	Measurement Capability	Vicinity of 100W
3. Deviation Meter	Frequency Range	136 to 174MHz
4. Digital Volt Meter (DVM)	Measuring Range	1 to 20V DC
	Accuracy	High input impedance for minimum circuit loading
5. Oscilloscope		DC through 30MHz
6. High Sensitivity Frequency Counter	Frequency Range	10Hz to 600MHz
	Frequency Stability	0.2ppm or less
7. Ammeter		15A or more
8. AF Volt Meter (AF VTVM)	Frequency Range	50Hz to 10kHz
	Voltage Range	3mV to 3V
9. Audio Generator (AG)	Frequency Range	50Hz to 5kHz
	Output	0 to 1V
10. Distortion Meter	Capability	3% or less at 1kHz
	Input Level	50mV to 10Vrms
11. Voltmeter	Measuring Range	10 to 1.5V DC or less
	Input Impedance	50k Ω /V or greater
12. 4 Ω Dummy Load		Approx. 4 Ω , 5W

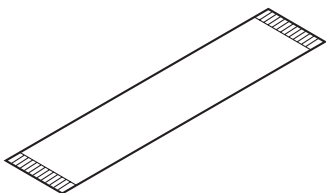
MIC connector (Front panel view)



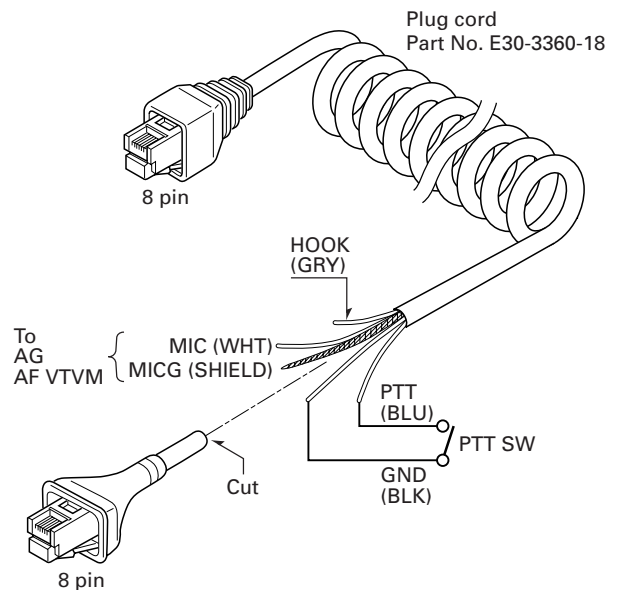
- 1 : NC
- 2 : +B
- 3 : GND
- 4 : PTT/TXD1 (PC serial data from radio)
- 5 : MIC GND
- 6 : MIC
- 7 : HOOK/RXD1 (PC serial data to radio)
- 8 : NC

Flat cable (36-pin) about 256mm

To connect the TX-RX unit A/2 (CN14) to the TX-RX unit B/2 (CN602) while in servicing, you can use the 36-pin flat cable, E37-0979-05, which is available from the KENWOOD parts center.



Test cable for microphone input

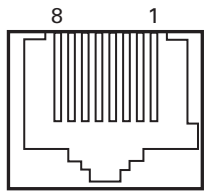


调 整

所需的用于调整的测试设备

测 试 设 备	主 要 特 性	
1. 标准信号发生器 (SSG)	频率范围 调制 输出	136到174MHz 调频和外部调制 0.1 μ V到大于1mV
2. 功率计	输入阻抗 工作频率 测量范围	50 Ω 136到174MHz或更高 100W左右
3. 偏差仪	频率范围	136到174MHz
4. 数字电压表 (DVM)	测量范围 输入阻抗	直流1V到20V 最小电路负载时为高输入阻抗
5. 示波器		直流到30MHz
6. 高灵敏度频率计数器	频率范围 频率稳定性	10Hz到600MHz 0.2ppm或更低
7. 电流表		15A
8. 音频电压表 (AF VTVM)	频率范围 电压范围	50Hz到10kHz 3mV到3V
9. 音频发生器 (AG)	频率范围 输出	50Hz到5kHz 0到1V
10. 失真测试仪	测量能力 输入电平	在1kHz时3%或更低 50mV到10Vrms
11. 电压表	测量范围 输入阻抗	直流10V到1.5V或更低 50k Ω /V或更高
12. 4 Ω 假负载		大约4 Ω , 5W

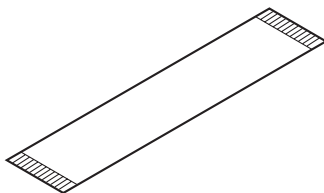
麦克风连接器 (前面板视图)



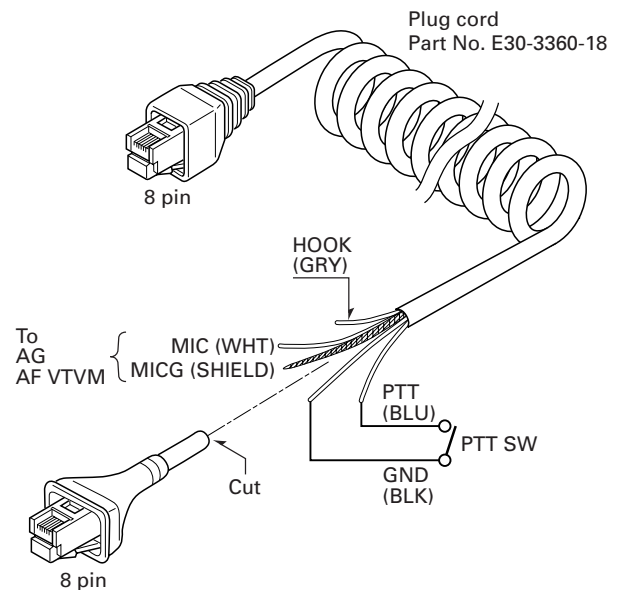
- 1 : NC
- 2 : +B
- 3 : GND
- 4 : PTT/TXD1 (PC serial data from radio)
- 5 : MIC GND
- 6 : MIC
- 7 : HOOK/RXD1 (PC serial data to radio)
- 8 : NC

扁平电缆 (36芯)

控制部分与TX-RX部分连接用电缆(E37-0979-05)
长度256mm



用于麦克风输入的测试电缆



ADJUSTMENT / 调整

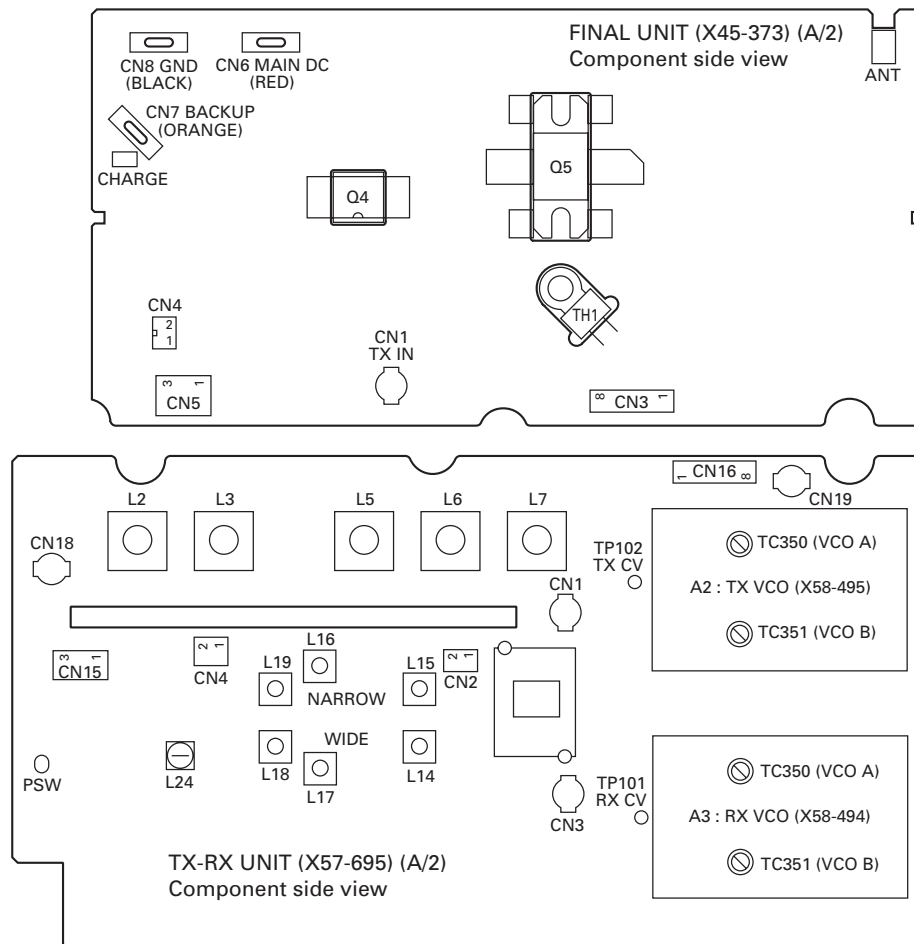
Test Channel (Default) / 测试频率 (出厂设定)

No. 号码	K,E,C		K2,C2	
	RX / 接收	TX / 发射	RX / 接收	TX / 发射
1	146.10	146.00	136.10	136.00
2	160.10	160.00	143.10	143.00
3	173.90	174.00	149.90	150.00
4	150.10	150.00	146.10	146.00
5	155.10	155.00	155.90	156.00
6	165.10	165.00	140.10	140.00
7	170.10	170.00	148.10	148.00
8	158.60	161.50	147.50	149.00
9	161.60	158.50	149.00	147.50
10	136.10	136.00	151.10	151.95
11	151.90	151.95	152.10	152.00
12	152.10	152.00	173.90	174.00

Test Signaling / 测试信令

No.	Decode / 解码	Encode / 编码
1	None	None
2	None	100Hz square wave
3	QT 67.0Hz	QT 67.0Hz
4	QT 151.4Hz	QT 151.4Hz
5	QT 210.7Hz	QT 210.7Hz
6	QT 250.3Hz	QT 250.3Hz
7	DQT 023N	DQT D023N
8	DQT 754I	DQT D754I
9	None	CW ID Encode [ID=VVV]
10	None	Single Tone [1000Hz]
11	DTMF 159D	DTMF 159D
12	None	DTMF Tone 9
13	None	Courtesy Tone
14	None	Battery Warning Tone
15	None	Battery Operation Tone
16	5-Tone [12345] (CCIR)	5-Tone [12345] (CCIR)

Adjustment Points / 调整点



ADJUSTMENT / 调整

Confirmation and Alignment of Set-up to Prevent Receiver Desensitization

设定中的确认和调整以防接收机灵敏度降低

1. Confirmation of Duplexer alignment

The duplexer allows the Repeater to simultaneously transmit and receive. To accomplish this, in the programmed receive frequency, the transmit frequency must be notched or suppressed by 75dB or more. Additionally, on the programmed transmit frequency, the receive frequency must be notched or suppressed by 75dB or more. The following figures are examples of Duplexer alignment using a spectrum analyzer.

1. 双工器调整的确

双工器允许中继台同时发送和接收。为实现该功能,对于编程的接收频率,发送频率必须抑制75dB或更高。另外,对于编程的发射频率,接收频率也必须抑制75dB或更高。下列图形就是一些利用频谱分析仪得到的双工器调整图例。

2. Confirmation of Repeater Desensitization

The following figure is a Test set-up for Repeater Desensitization.

After this Test set-up is completed, confirm the Repeater Desensitization as mentioned below.

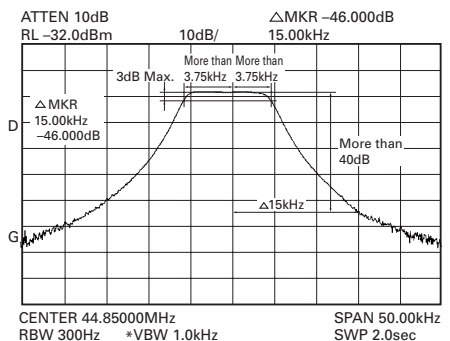
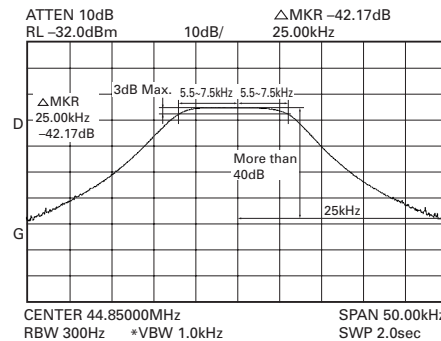
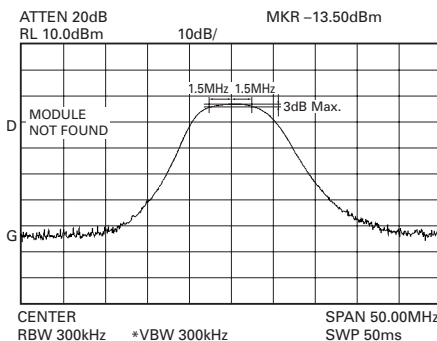
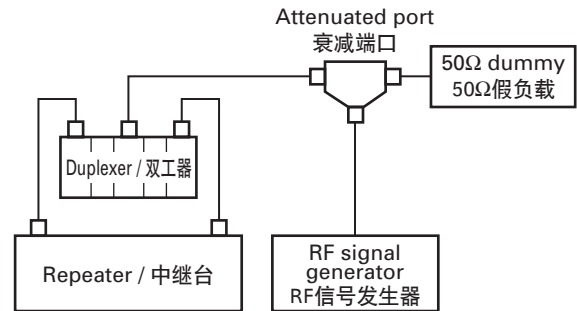
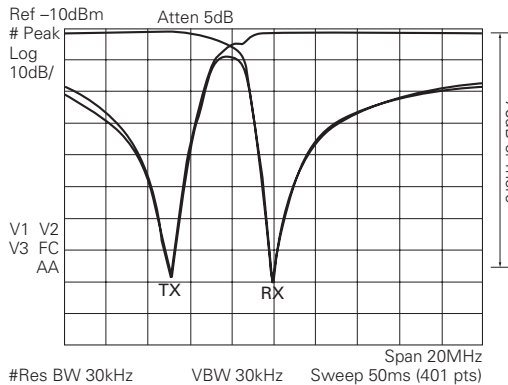
- 1) Disable the repeater mode.
- 2) Adjust the level of the RF generator until 12dB SINAD is reached.
- 3) Increase the output of the RF generator by 1dB. (This increases the SINAD.)
- 4) Enable the repeater mode.
- 5) Read the SINAD level. It should not drop below 12dB SINAD. If the SINAD is less than 12dB, check the tightness of the connectors and the tuning of duplexer.

2. 中继台灵敏度降低的确认

下图是针对中继台灵敏度降低的测试调整。

当测试调整完成之后,如下所述确认中继台灵敏度降低的解决。

- 1) 停用中继台模式。
- 2) 调节RF发生器的电平直至达到12dB SINAD (信噪比)。
- 3) RF发生器的输出增加1dB。(该操作将会增加信噪比。)
- 4) 使用中继台模式。
- 5) 读取SINAD (信噪比) 值。它不应下降到低于12dB SINAD (信噪比)。如果该SINAD (信噪比) 值小于12dB, 检查连接器的紧密度和双工器的调谐。



BPF center frequency (Factory-default)
BPF中央频率(出厂默认)
K,E,C : 160MHz, K2,C2 : 143MHz

MCF : Wide / 宽

MCF : Narrow / 窄

Fig. 1 / 图1

Fig. 2 / 图2

Fig. 3 / 图3

ADJUSTMENT

NOTE:

There are some important notices when replacing the PLL unit.

If you replaced either PLL unit from the old type to the new type.

1. You must also replace the other PLL unit to the new type. (The old PLL unit cannot be used together with the new PLL unit.)
2. Firmware version "C983" or later must be applied to the radio.

Compatibility Chart

		Firmware version "C960" or earlier	Firmware version "C983" or later
Old type PLL unit (Not RoHS adaptation)	RX: X58-4780-10	OK	OK
	TX: X58-4790-10		
New type PLL unit (RoHS adaptation)	RX: X58-4942-70	NG	OK
	TX: X58-4952-70	PLL unlock condition	
If you used new PLL unit and old PLL unit together....		PLL unlock condition	

Fine-Tuning the TKR-750

"ADJUSTMENT" items described in the Service Manual for the TKR-750 give the factory-default adjustment procedure covering all adjustment items.

However, it is not necessary to adjust all the items when adjusting the power, deviation, receiver sensitivity, etc at the frequency of the channel to be used by the TKR-750.

Adjustment procedure at the frequency of the channel to be used

1. Program a channel frequency using the FPU (KPG-91D(C)).
2. From the FPU menu, select in the order of "EDIT", "Test Frequency" and "CH paste" to rewrite the test frequency from the factory-default to the one to be used for the channel.

Erase all channel frequencies rewritten through this operation and press the ENTER key to retrieve the factory-default test frequency.

Refer to the explanation given under HELP for the FPU (KPG-91D(C)) for details.

3. Check whether the frequency rewritten under the "Test mode" of the FPU (KPG-91D(C)) is correct, then select the item to be adjusted from the FPU (KPG-91D(C)) menu and adjust the set value for the item to an optimum value with the "TEST" tag.

Note :

After adjustment of the "Max. Deviation", be sure to check the "DQT balance".

Alignment

Item	Condition	Measurement			Adjustment			Specifications/Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
1. Setting	1) Connect the unit to a suitable DC power supply.							
2. Write test frequency	1) Turn the DC source switch on after connecting a PC and FPU cable to the radio. 2) Write the test and shipping frequency to the radio. 3) End of test frequency writing.			→ "E1" appears on LED display → Green (BUSY) LED lights up				
3. Setting	1) Connect the unit to a suitable DC power supply. 2) Turn the power switch on after connecting a PC and FPU cable to the radio. 3) Start up the program for the adjustment.							

调 整

注:

更换PLL单元时需要注意的一些重要事项。

如果更换某一个旧型号PLL单元为新型号。

1. 还须将其它的PLL单元更换为新型号。(旧型号PLL单元无法与新型号PLL单元搭配使用。)
2. 中继台必须使用固件版本“C983”或更高版本。

兼容性表

		固件版本“C960”或更低版本	固件版本“C983”或更高版本
旧型号PLL单元 (不符合RoHS)	RX: X58-4780-10	良好	良好
	TX: X58-4790-10		
新型号PLL单元 (符合RoHS)	RX: X58-4942-70	不良 PLL解锁状态	良好
	TX: X58-4952-70		
如果同时使用新型号和旧型号PLL单元....		PLL解锁状态	

TKR-750的微调

TKR-750维修手册中所描述的“ADJUSTMENT”(调整)项目列出了涵盖所有调整项目的出厂默认调整步骤。然而,当以TKR-750要使用的信道频率调节功率,频偏,接收机灵敏度等时,没有必要调节所有的项目。

以要使用的信道频率进行调整的步骤

1. 使用FPU (KPG-91D(C)) 编程设定信道频率。
2. 从FPU菜单中,按顺序依次选择EDIT(编辑),“Test Frequency”(测试频率)和“CH paste”(信道粘贴)把信道的出厂默认测试频率重写为一个将要使用的测试频率。

擦除所有通过这种操作重新写入的信道频率,按ENTER键来恢复出厂默认测试频率。

细节请参考FPU (KPG-91D(C)) 的HELP菜单给出的解释。

3. 检查在FPU (KPG-91D(C)) 的“Test mode”(测试模式)下重新写入的频率是否正确,接着从FPU (KPG-91D(C)) 菜单中选择要调整的项目,将该项目的设定值调整为一个具有“TEST”(测试)标记的最优值。

注意:

当完成对“Max. Deviation”(最大频偏)的调整之后,一定要对“DQT balance”(DQT平衡)进行检查。

调整

项 目	条 件	测 量			调 整			规 格 / 备 注
		测量装置	单元	端子	单元	部件	方 法	
1. 设定	1) 将单元与对应的DC电源连接。							
2. 写入试验和出厂频率	1) 将电脑和FPU电缆与电台连接后接通电源开关。 2) 将试验和出厂频率写入电台。 3) 固件写入结束。							→LED显示屏出现“E1”。 →绿色(BUSY)LED点亮。
3. 设定	1) 将单元与对应的DC电源连接。 2) 将电脑和FPU电缆与电台连接后接通电源开关。 3) 启动调整程序。							

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications/Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
4. RX PLL lock voltage	1) RX VCO A high CH : 11 K,E,C CH : 10 K2,C2	DVM	TX-RX (A/2)	RX-CV	RX VCO (A3)	TC350	1.50V	±0.1V
	2) RX VCO A low CH : 10 K,E,C CH : 1 K2,C2						Check	8V or less
	3) RX VCO B high CH : 3 K,E,C CH : 12 K2,C2				RX VCO (A3)	TC351	1.50V	±0.1V
	4) RX VCO B low CH : 12 K,E,C CH : 11 K2,C2						Check	8V or less
5. TX PLL lock voltage	1) TX VCO A high CH : 11 K,E,C CH : 10 K2,C2			TX-CV	TX VCO (A2)	TC350	1.50V	±0.1V
	2) TX VCO A low CH : 10 K,E,C CH : 1 K2,C2						Check	8V or less
	3) TX VCO B high CH : 3 K,E,C CH : 12 K2,C2				TX VCO (A2)	TC351	1.50V	±0.1V
	4) TX VCO B low CH : 12 K,E,C CH : 11 K2,C2						Check	8V or less
6. RX frequency	1) Connect the frequency counter to CN3, then measure the frequency CH : 2	f. counter		CN3			PC adj. Test CH+44.85MHz	50Hz or less
<p>Note : RX frequency means the local frequency of the RX VCO. So its frequency is wanted frequency plus the IF frequency. Adjustment item 7 and item 10 applies to old type PLL unit.</p>								
7. RX frequency (tune)	1) High CH (Automatically)	f. counter	TX-RX (A/2)	CN3			PC adj. 218.8475MHz	50Hz or less
	2) Low CH (Automatically)						PC adj. 180.8525MHz	
8. Setting	1) Remove 8 pin cable and the coaxial cable from CN16, and CN19 on TX-RX side.							
9. TX frequency	1) Connect the frequency counter to CN19, then measure the frequency CH : 2	f. counter	TX-RX (A/2)	CN19			PC adj.	50Hz or less
10. TX frequency (tune)	1) High CH (Automatically)						PC adj. 173.9975MHz	
	2) Low CH (Automatically)						PC adj. 136.0025MHz	
11. Setting	1) Insert 8 pin cable and the coaxial cable to CN16, and CN19 on TX-RX side.							

调 整

项 目	条 件	测 量			调 整			规 格 / 备 注
		测量装置	单元	端子	单元	部件	方 法	
4. RX PLL 锁定 电压调整	1) RX VCO A高 CH : 11 K,E,C CH : 10 K2,C2	DVM	TX-RX (A/2)	RX-CV	RX VCO (A3)	TC350	1.50V	± 0.1V
	2) RX VCO A低 CH : 10 K,E,C CH : 1 K2,C2						检查	8V或更低
	3) RX VCO B高 CH : 3 K,E,C CH : 12 K2,C2				RX VCO (A3)	TC351	1.50V	± 0.1V
	4) RX VCO B低 CH : 12 K,E,C CH : 11 K2,C2						检查	8V或更低
5. TX PLL 锁定 电压调整	1) TX VCO A高 CH : 11 K,E,C CH : 10 K2,C2			TX-CV	TX VCO (A2)	TC350	1.50V	± 0.1V
	2) TX VCO A低 CH : 10 K,E,C CH : 1 K2,C2						检查	8V或更低
	3) RX VCO B高 CH : 3 K,E,C CH : 12 K2,C2				RX VCO (A3)	TC351	1.50V	± 0.1V
	4) RX VCO B低 CH : 12 K,E,C CH : 11 K2,C2						检查	8V或更低
6. RX 频率调整	1) 将频率计与CN3连接, 然后测定频率。 CH : 2	频率计		CN3			PC调整 试验CH + 44.85MHz	50Hz或更低
注意：频率表示RX VCO的本机频率。因此该频率为所需频率 + 中频频率。 调节项目7和项目10适用于旧型号PLL单元。								
7. RX频率 调整(调谐)	1) 高CH (自动)	频率计	TX-RX (A/2)	CN3			PC调整 218.8475MHz	50Hz或更低
	2) 低CH (自动)						PC调整 180.8525MHz	
8. 设定	1) 从：TX-RX侧的CN16和CN19取下8插脚电缆和同轴电缆。							
9. TX 频率调整	1) 将频率计与CN19连接, 然后测量频率。 CH : 2	频率计	TX-RX (A/2)	CN19			PC调整	50Hz或更低
10. TX频率 调整(调谐)	1) 高CH (自动)						PC调整 173.9975MHz	50Hz或更低
	2) 低CH (自动)						PC调整 136.0025MHz	
11. 设定	1) 向：TX-RX侧的CN16和CN19插入8插脚电缆和同轴电缆。							

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications/Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
12. Maximum power limiting	1) Measure the RF power at TX ANT. High CH	Power meter	Rear	TX ANT	Final	VR1	Adjust the RF power to 53W.	±1W
13. TX RF high power	1) Measure the RF power at TX ANT. Low CH 2) Center CH 3) High CH						PC adj. 50W (Factory-default)	±1W
14. TX RF low power	1) Measure the power level at TX ANT. Low CH 2) Center CH 3) High CH						PC adj. 25W (Factory-default)	±1W
15. BPF	1) Connect the TG to RX ANT, then connect CN1 to the spectrum analyzer input. Spectrum analyzer setting Span : 50MHz Scale : 10dB to 5dB div Tracking generator setting Output : -30dBm	Tracking generator	Rear	RX ANT	TX-RX (A/2)	L2 L3 L5 L6 L7	Center the frequency you are using, then adjust it to look like the wave Fig. 1. (Page 19)	
	16. MCF (Wide)	1) Connect the TG to CN2, then connect CN4 to the spectrum analyzer input. CH : 2 (Wide) Spectrum analyzer setting Span : 50kHz to 25kHz Scale : 10dB to 2dB div Center freq' : 44.850MHz Tracking generator setting Output : -30dBm	Spectrum analyzer	TX-RX (A/2)				
(Narrow)	2) CH : 2 (Narrow)					L15 L16 L19	Adjust it to look like the wave Fig. 3. (Page 19)	
17. Discriminator	1) Connect the SSG to RX ANT. CH : 2 (Wide) SSG output : -53dBm/501μV SSG MOD : 1kHz SSG DEV : 3kHz AF : 2V/4Ω	SSG	Rear	RX ANT		L24	Adjust the distortion to minimum.	
18. Threshold squelch (Wide)	1) Connect SSG to RX ANT. CH : 2 (Wide) SSG output : 4dB below to 12dB SINAD level SSG MOD : 1kHz SSG DEV : 3kHz AF : 2V/4Ω	SSG	Rear	RX ANT			PC adj. Adjust to point of closing squelch	
	2) SSG : OFF						Check	Squelch must be closed.
(Narrow)	3) CH : 2 (Narrow) SSG output : 4dB below to 12dB SINAD level SSG MOD : 1kHz SSG DEV : 1.5kHz AF : 2V/4Ω	Audio analyzer VTVM Oscilloscope					PC adj. Adjust to point of closing squelch	
	4) SSG : OFF						Check	Squelch must be closed.

调 整

项 目	条 件	测 量			调 整			规 格 / 备 注	
		测量装置	单元	端子	单元	部件	方 法		
12. 最大功率限制	1) 在TX天线测试射频功率。 高CH	功率计	后侧	TX天线	Final	VR1	将射频功率调整到53W	± 1W	
13. TX射频高功率调整	1) 在TX天线测试射频功率。 低CH 2) 中央CH 3) 高CH						PC调整 50W (出厂默认)	± 1W	
14. TX射频低功率调整	1) 在TX天线测试射频功率。 低CH 2) 中央CH 3) 高CH						PC调整 25W (出厂默认)	± 1W	
15. BPF调整	1) 将TG与RX天线连接, 然后将CN1与频谱分析仪的输入连接。 频谱分析仪 量程: 50MHz 刻度: 10dB至5dB 跟踪发生器 输出: -30dBm	频谱分析仪 跟踪发生器	后侧	RX天线 CN1	TX-RX (A/2)	L2 L3 L5 L6 L7	将使用的频率置于中央, 然后将波形调整成为图1的形状。(请参照第19页)		
16. MCF调整(宽)	1) 将TG与CN2连接, 然后将CN4与频谱分析仪的输入连接。 CH: 2 (宽) 频谱分析仪 量程: 50kHz至25kHz 刻度: 10dB至2dB 中央频率: 44.850MHz 跟踪发生器 输出: -30dBm						CN2 CN4	L14 L17 L18	将波形调整成为图2的形状。(请参照第19页)
(窄)	2) CH: 2 (窄)			L15 L16 L19				将波形调整成为图3的形状。(请参照第19页)	
17. 判别器调整	1) 将SSG与RX天线连接。 CH: 2 (宽) SSG输出: -53dBm/501 μV SSG MOD: 1kHz SSG DEV: 3kHz AF: 2V/4欧姆	SSG AF VM 失真计	后侧	RX天线 试验/ 扬声器 SPO端子 (插脚12)		L24	将失真调整成为最小。		
18. 静噪阈值调整(宽)	1) 将SSG与RX天线连接。 CH: 2 (宽) SSG输出: 3dB以下至12dB SINAD电平 SSG MOD: 1kHz SSG DEV: 3kHz AF: 2V/4欧姆	SSG 音频分析仪 VTVM 示波器	后侧	RX天线 试验/ 扬声器 SPO端子 (插脚12)			PC调整 调整至开启静噪点		
	2) SSG: 切断						检查	静噪必须关闭	
(窄)	1) CH: 2 (窄) SSG输出: 3dB以下至12dB SINAD电平 SSG MOD: 1kHz SSG DEV: 1.5kHz AF: 2V/4欧姆						PC调整 调整至开启静噪点		
	2) SSG: 切断						检查	静噪必须关闭	

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications/Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
19. Tight squelch (Wide)	1) Connect SSG to RX ANT. CH : 2 (Wide) SSG output : 7dB over to 12dB SINAD level SSG MOD : 1kHz SSG DEV : 3kHz AF : 2V/4Ω	SSG Audio analyzer VTVM Oscilloscope	Rear	RX ANT TEST/SPKR jack SPO (pin 12)			PC adj. Adjust to point of opening squelch	
(Narrow)	2) CH : 2 (Narrow) SSG output : 7dB over to 12dB SINAD level SSG MOD : 1kHz SSG DEV : 1.5kHz AF : 2V/4Ω						PC adj. Adjust to point of opening squelch	
20. RD outut level (Wide)	1) Connect SSG to RX ANT. CH : 2 (Wide) SSG output : -53dBm/501μV SSG MOD : 1kHz SSG DEV : 3.0kHz	SSG DVM	Rear	RX ANT CONTROL I/O jack RD (pin 10) 4.7kΩ load			PC adj. 80mV	±5mV
(Narrow)	2) CH : 2 (Narrow) SSG output : -53dBm/501μV SSG MOD : 1kHz SSG DEV : 1.5kHz							
21. RA outut level (Wide)	1) Connect SSG to RX ANT. CH : 2 (Wide) SSG output : -53dBm/501μV SSG MOD : 1kHz SSG DEV : 3.0kHz	SSG DVM	Rear	RX ANT CONTROL I/O jack RA (pin 11) 4.7kΩ load			PC adj. 400mV	±20mV
(Narrow)	2) CH : 2 (Narrow) SSG output : -53dBm/501μV SSG MOD : 1kHz SSG DEV : 1.5kHz							
22. Maximum deviation (Wide)	1) Connect AG to the MIC terminal. A-low CH (TX VCO A low) A-center CH (VCO A center) A-high CH (TX VCO A high) B-low CH (TX VCO B low) B-center CH (VCO B center) B-high CH (TX VCO B high) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF AG : 1kHz/50mV (Terminal load) Transmission	MOD ANA or Deviation meter Oscilloscope AG AF VTVM	Rear Front	TX OUT MIC			PC adj. 4.1kHz	±0.1kHz
(Narrow)	2) A-low CH (TX VCO A low) A-center CH (VCO A center) A-high CH (TX VCO A high) B-low CH (TX VCO B low) B-center CH (VCO B center) B-high CH (TX VCO B high) Transmission						PC adj. 2.05kHz	±0.1kHz

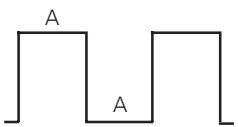
Note : After adjustment of the "Max. Deviation", be sure to check the "DQT balance".

调 整

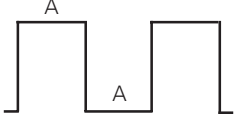
项 目	条 件	测 量			调 整			规 格 / 备 注
		测量装置	单元	端子	单元	部件	方 法	
19. 静噪精确调整 (宽)	1) 将SSG与RX天线连接。 CH : 2 (宽) SSG输出 : 7dB以上至12dB SINAD电平 SSG MOD : 1kHz SSG DEV : 3kHz AF : 2V/4欧姆	SSG 音频分析仪 VTVM 示波器	后侧	RX天线 试验/ 扬声器 SPO端子 (插脚12)			PC调整 调整至开启静噪点	
	(窄)							
20. RD输出电平调整 (宽)	1) 将SSG与RX天线连接。 CH : 2 (宽) SSG输出 : - 53dBm/501 μ V SSG MOD : 1kHz SSG DEV : 3kHz	SSG DVM	后侧	RX天线 控制输入/ 输出 RD端子 (插脚10) 4.7k Ω 负载			PC调整 80mV	\pm 5mV
	(窄)							
21. RA输出电平调整 (宽)	1) 将SSG与RX天线连接。 CH : 2 (宽) SSG输出 : - 53dBm/501 μ V SSG MOD : 1kHz SSG DEV : 3kHz	SSG DVM	后侧	RX天线 控制输入/ 输出 RA端子 (插脚11) 4.7k Ω 负载			PC调整 400mV	\pm 20mV
	(窄)							
22. 最大频偏调整 (宽)	1) 将AG连接麦克风端子。 A低CH (TX VCO A低) A中央CH (VCO A中央) A高CH (TX VCO A高) B低CH (TX VCO B低) B中央CH (VCO B中央) B高CH (TX VCO B高) 偏差计滤波器 HPF : 关闭 LPF : 15kHz 去加重 : 关闭 AG : 1kHz/50mV (终端负载) 发射	MOD ANA 或偏差仪 示波器 AG AF VTVM	后侧 面板	TX OUT MIC			PC调整 4.1kHz	\pm 0.1kHz
	(窄)							

注意 : 当完成对最大频偏的调整之后, 一定要对DQT平衡进行检查。

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications/Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
23. DQT balance (Wide)	1) Low CH (VCO-A center) High CH (VCO-B center) Deviation meter filter HPF : OFF LPF : 3kHz De-emphasis : OFF Transmission	MOD ANA or Deviation meter Oscilloscope	Rear	TX OUT			PC adj. Make the de-modulated waves into square waves.	Oscilloscope DC range flat "A" part 
	(Narrow)							
24. QT deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 3kHz De-emphasis : OFF Detector : p-p/2 Transmission			TX ANT			PC adj. 0.75kHz	±0.05kHz
	(Narrow)	2) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Transmission					PC adj. 0.35kHz	±0.05kHz
25. DQT deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 3kHz De-emphasis : OFF Detector : Peak hold Transmission						PC adj. 0.75kHz	±0.05kHz
	(Narrow)	2) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Transmission					PC adj. 0.35kHz	±0.05kHz
26. CW ID deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF Transmission						PC adj. 2kHz	±0.1kHz
	(Narrow)	2) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Transmission					PC adj. 1kHz	±0.05kHz
27. Test tone deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF Transmission						PC adj. 3kHz	±0.1kHz
	(Narrow)	2) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Transmission					PC adj. 1.5kHz	±0.05kHz

调 整

项 目	条 件	测 量			调 整			规 格 / 备 注
		测量装置	单元	端子	单元	部件	方 法	
23. DQT 平衡调整 (宽)	1) 低CH (VCO-A中央) 高CH (VCO-B中央) 偏差仪滤波器 HPF: 关闭 LPF: 3kHz 去加重: 关闭 发射	MOD ANA 或偏差仪 示波器	后侧	TX OUT			PC调整 使得解调波形为 方波	示波器DC范围 平坦的“A”部分。 
	(窄)							
24. QT 频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 3kHz 去加重: 关闭 检波器: p-p/2 发射			TX天线			PC调整 0.75kHz	± 0.05kHz
	(窄)							
25. DQT 频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 3kHz 去加重: 关闭 检波器: 峰值保持 发射						PC调整 0.75kHz	± 0.05kHz
	(窄)							
26. CW ID 频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 15kHz 去加重: 关闭 发射						PC调整 2kHz	± 0.1kHz
	(窄)							
27. 试验音 频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 15kHz 去加重: 关闭 发射						PC调整 3kHz	± 0.1kHz
	(窄)							

ADJUSTMENT

Item	Condition	Measurement			Adjustment			Specifications/Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
28. TA (TX audio input) deviation (Wide)	1) Insert AG output into the control I/O TA terminal (pin 9). VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF AG freq' : 1kHz (Sine wave) AG level : 280mV Transmission	MOD ANA or Deviation meter Oscilloscope AG AF VTVM	Rear	TX ANT			PC adj. 3.0kHz	±0.1kHz
	(Narrow)							
29. TD deviation (Wide)	1) Insert AG output into the control I/O TD terminal (pin 8). VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 3kHz De-emphasis : OFF AG freq' : 100Hz (Sine wave) AG level : 0.5Vp-p (177mVrms) Transmission			CONTROL I/O jack TD (pin 8)			PC adj. 0.75kHz	±0.1kHz
	(Narrow)							
30. DTMF deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF Transmission	MOD ANA or Deviation meter Oscilloscope	Rear	TX ANT			PC adj. 3.0kHz	±0.1kHz
	(Narrow)							
31. Courtesy tone deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF Transmission						PC adj. 1.0kHz	±0.05kHz
	(Narrow)							

调 整

项 目	条 件	测 量			调 整			规 格 / 备 注
		测量装置	单元	端子	单元	部件	方 法	
28. TA (TX音输入) 频偏调整 (宽)	1) 将AG输出插入控制输入/输出TA端子(插脚9) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 15kHz 去加重: 关闭 AG频率: 1kHz (正弦波) AG电平: 280mV 发射	MOD ANA 或偏差仪 示波器 AG AF VTVM	后侧	TX天线 控制输入 /输出 TA端子 (插脚9)			PC调整 3.0kHz	$\pm 0.1\text{kHz}$
(窄)	2) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 发射						PC调整 1.5kHz	$\pm 0.05\text{kHz}$
29. TD 频偏调整 (宽)	1) 将AG输出插入控制输入/输出TD端子(插脚8) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 3kHz 去加重: 关闭 AG频率: 100Hz (正弦波) AG电平: 0.5V _{p-p} (177mV _{rms}) 发射			控制输入 /输出 TD端子 (插脚8)			PC调整 0.75kHz	$\pm 0.1\text{kHz}$
(窄)	2) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 发射						PC调整 0.35kHz	$\pm 0.05\text{kHz}$
30. DTMF 频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 15kHz 去加重: 关闭 发射	MOD ANA 或偏差仪 示波器	后侧	TX天线			PC调整 3.0kHz	$\pm 0.1\text{kHz}$
(窄)	2) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 发射						PC调整 1.5kHz	$\pm 0.05\text{kHz}$
31. 发射停止 音频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF: 关闭 LPF: 15kHz 去加重: 关闭 发射						PC调整 1.0kHz	$\pm 0.05\text{kHz}$
(窄)	2) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 发射						PC调整 0.5kHz	$\pm 0.05\text{kHz}$

ADJUSTMENT

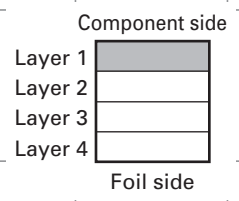
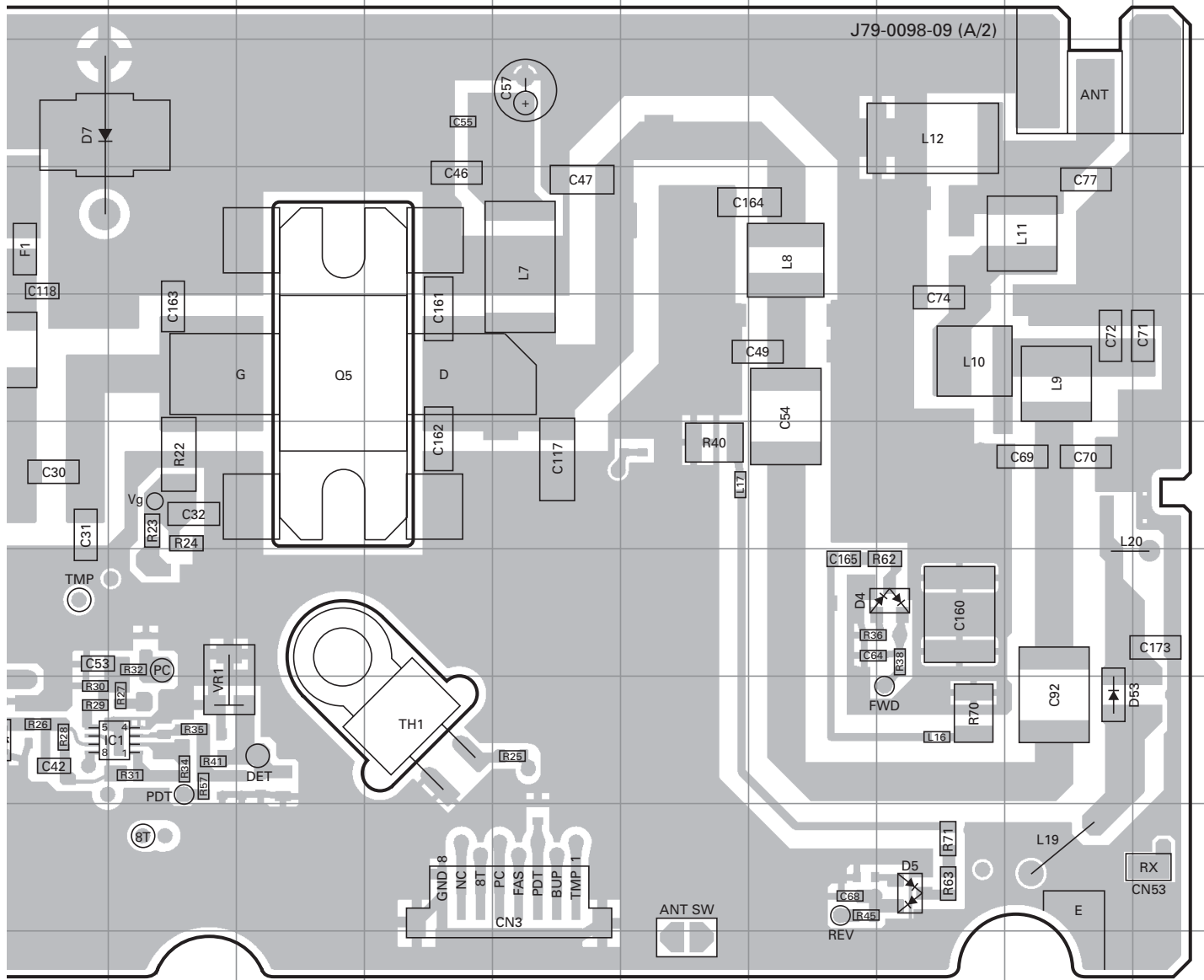
Item	Condition	Measurement			Adjustment			Specifications/Remarks
		Test-equipment	Unit	Terminal	Unit	Parts	Method	
32. Battery warning tone deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF Transmission	MOD ANA or Deviation meter Oscilloscope	Rear	TX ANT			PC adj. 3.0kHz	±0.1kHz
	(Narrow)							
33. Battery operation tone deviation (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF Transmission						PC adj. 1.0kHz	±0.05kHz
	(Narrow)							
34. Repeat gain level (Wide)	1) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) SSG output : -53dBm SSG MOD : 1kHz SSG DEV : 1kHz Deviation meter filter HPF : OFF LPF : 15kHz De-emphasis : OFF Transmission	SSG MOD ANA or Deviation meter Oscilloscope	Rear	RX ANT			PC adj. 1kHz	±0.1kHz
	(Narrow)			2) VCO-A CH (TX VCO A center) VCO-B CH (TX VCO B center) Transmission				
When "RF Power Down Detect" is programmed in the AUXO function, threshold of transmission output is set with the following menu.								
35. Power down detect (High)	1) CH : 2 (High power)	Power meter	Rear	TX ANT			PC adj. About 20W (Factory-default)	
	(Low)							

调 整

项 目	条 件	测 量			调 整			规 格 / 备 注
		测量装置	单元	端子	单元	部件	方 法	
32. 电池警告 音频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF：关闭 LPF：15kHz 去加重：关闭 发射	MOD ANA 或偏差仪 示波器	后侧	TX天线			PC调整 3.0kHz	± 0.1kHz
(窄)	2) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 发射						PC调整 1.5kHz	± 0.05kHz
33. 电池 操作音 频偏调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 偏差仪滤波器 HPF：关闭 LPF：15kHz 去加重：关闭 发射						PC调整 1.0kHz	± 0.05kHz
(窄)	2) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 发射						PC调整 0.5kHz	± 0.05kHz
34. 中继增益 电平调整 (宽)	1) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) SSG输出：-53dBm SSG MOD：1kHz SSG DEV：1kHz 偏差仪滤波器 HPF：关闭 LPF：15kHz 去加重：关闭 发射	SSG MOD ANA 或偏差仪 示波器	后侧	RX天线 TX天线			PC调整 1kHz	± 0.1kHz
(窄)	2) VCO-A CH (TX VCO A中央) VCO-B CH (TX VCO B中央) 发射							
当把“RF Power Down Detect”(RF功率下降检测)编程到AUXO功能时,发射输出的门檻值由下列菜单设定。								
35. 功率下降 检测调整 (高)	1) CH：2 (高功率)	功率计	后侧	TX天线			PC调整 大约20W (出厂默认)	
(低)	2) CH：2 (低功率)						PC调整 大约10W (出厂默认)	

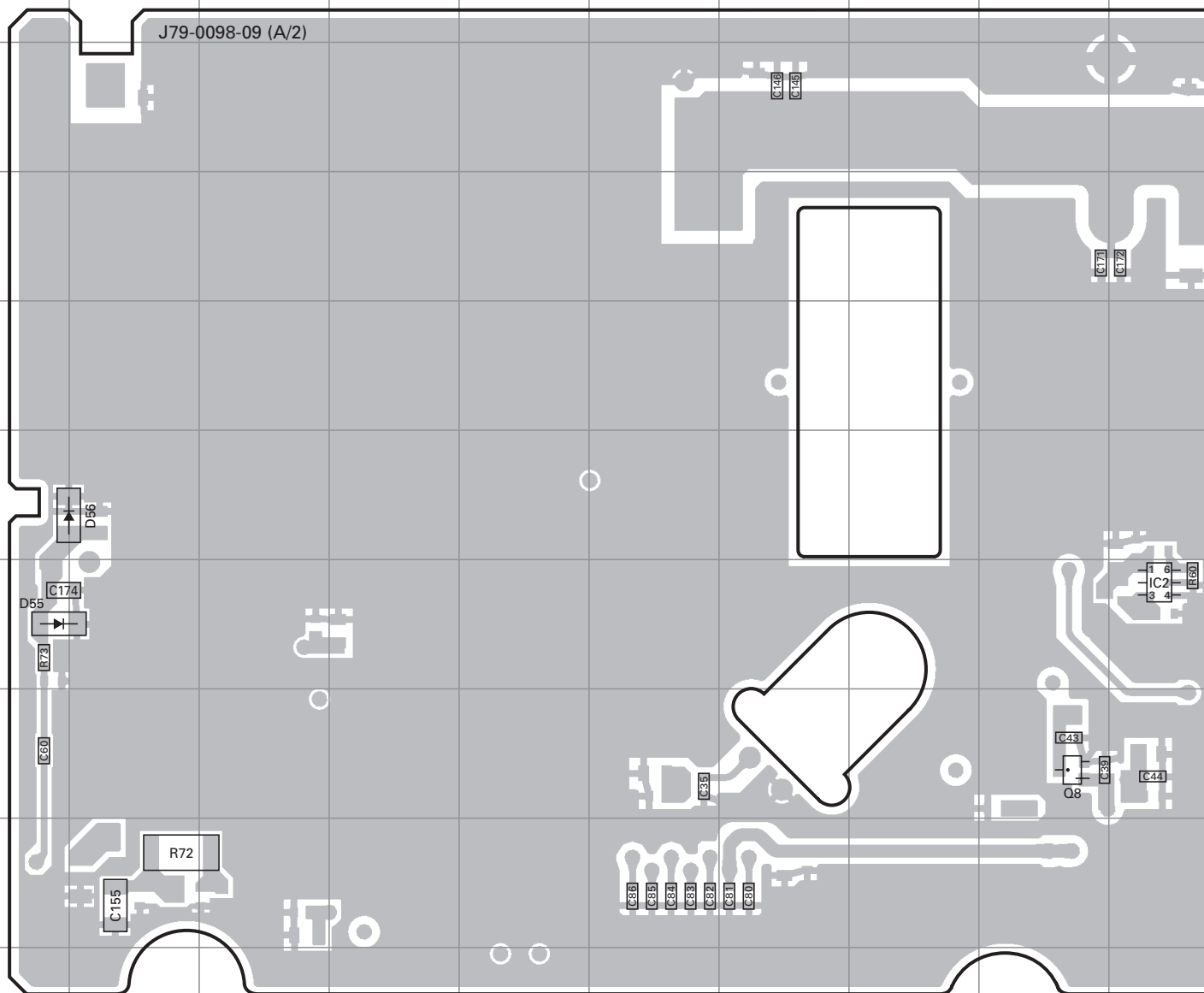
PC BOARD / PC板 TKR-750

FINAL UNIT (X45-373X-XX) 0-10 : K,E,C 0-11 : K2,C2
 Component side view (J79-0098-09)



TKR-750 PC BOARD / PC板

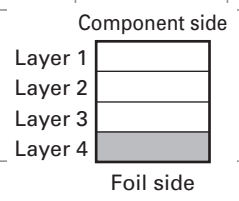
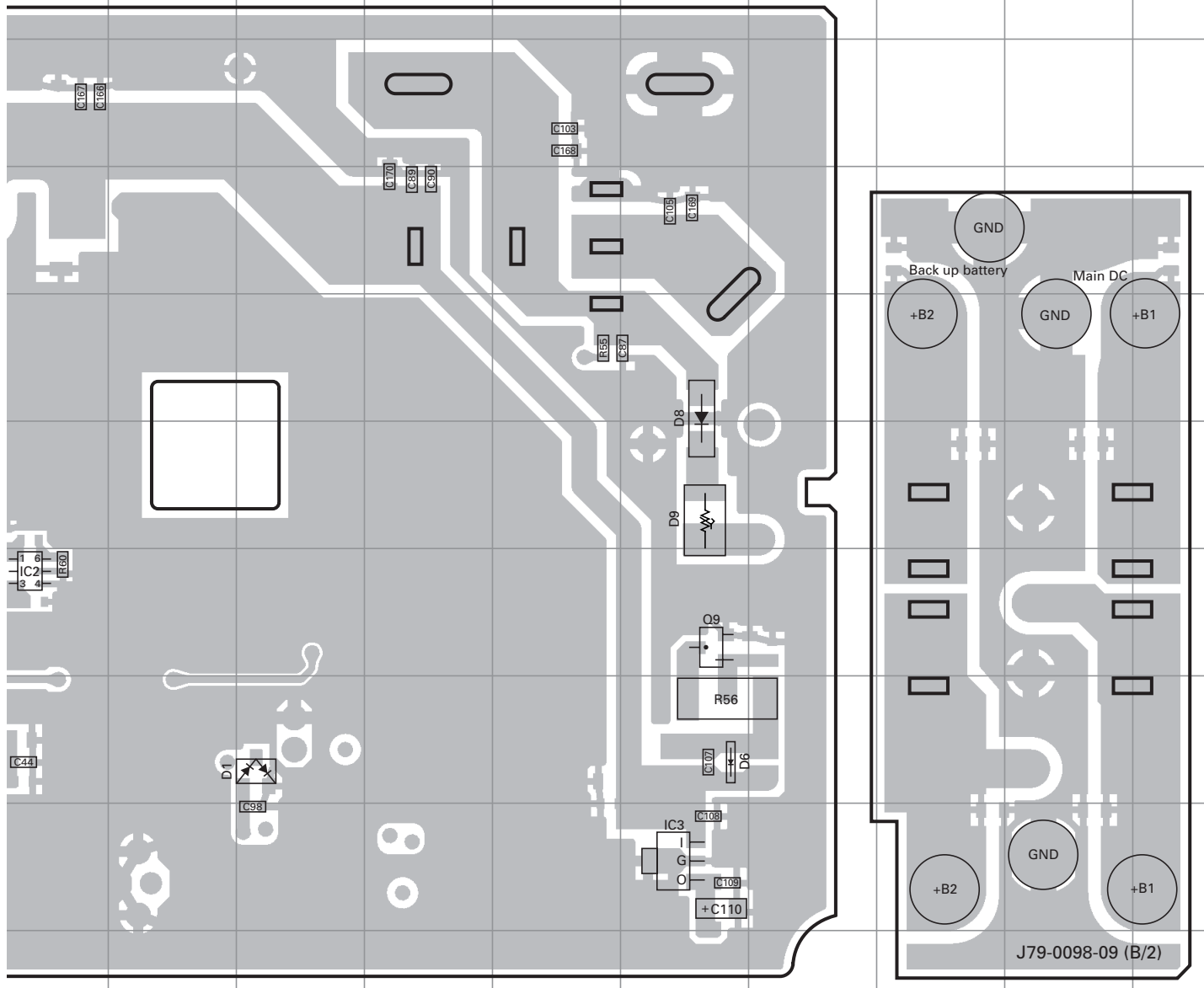
FINAL UNIT (X45-373X-XX) 0-10 : K,E,C 0-11 : K2,C2
 Foil side view (J79-0098-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC2	7J	D1	8L	D55	7A
IC3	9O	D6	8O	D56	6B
Q8	8I	D8	5O		
Q9	7O	D9	6O		

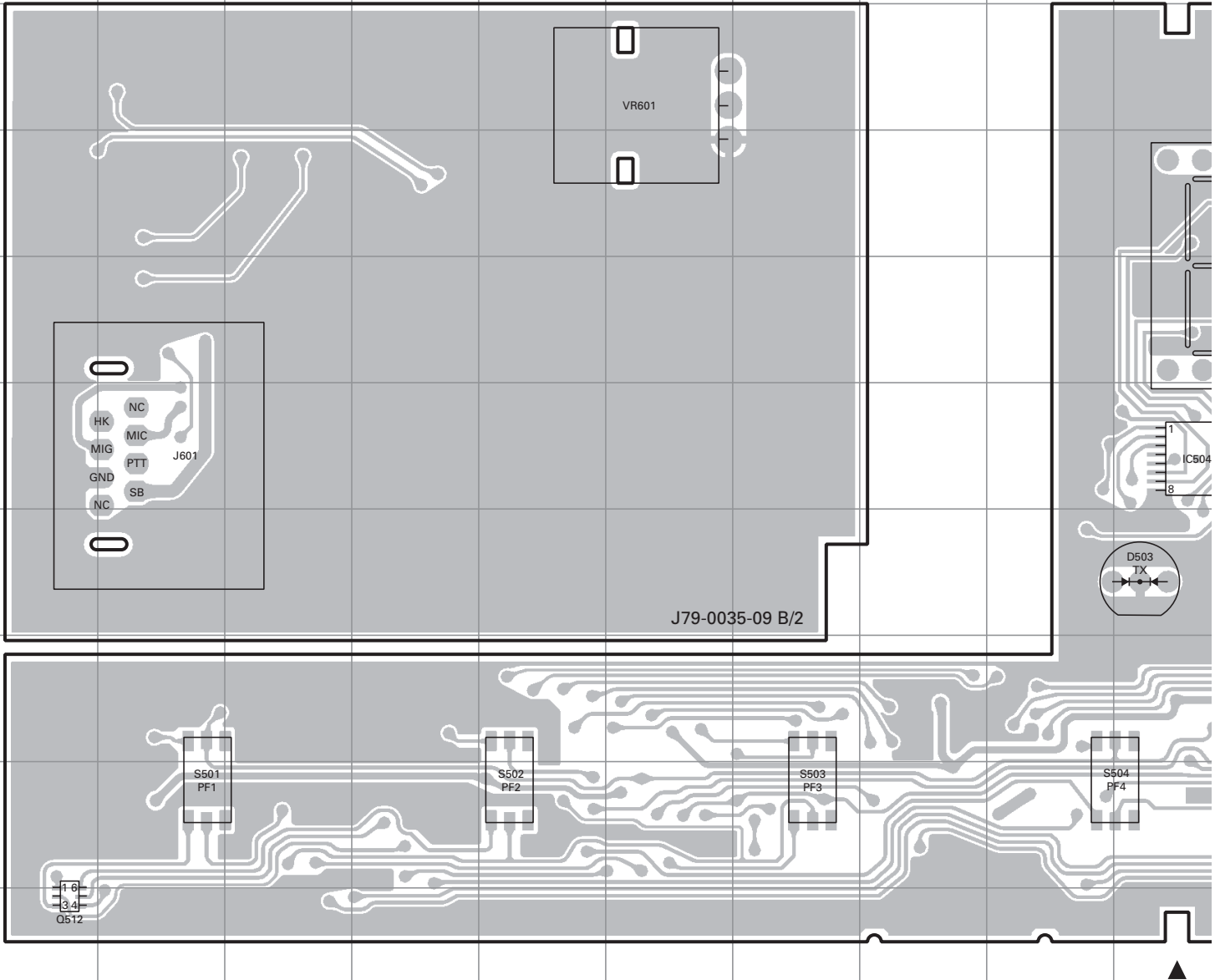
PC BOARD / PC板 TKR-750

FINAL UNIT (X45-373X-XX) 0-10 : K,E,C 0-11 : K2,C2
Foil side view (J79-0098-09)



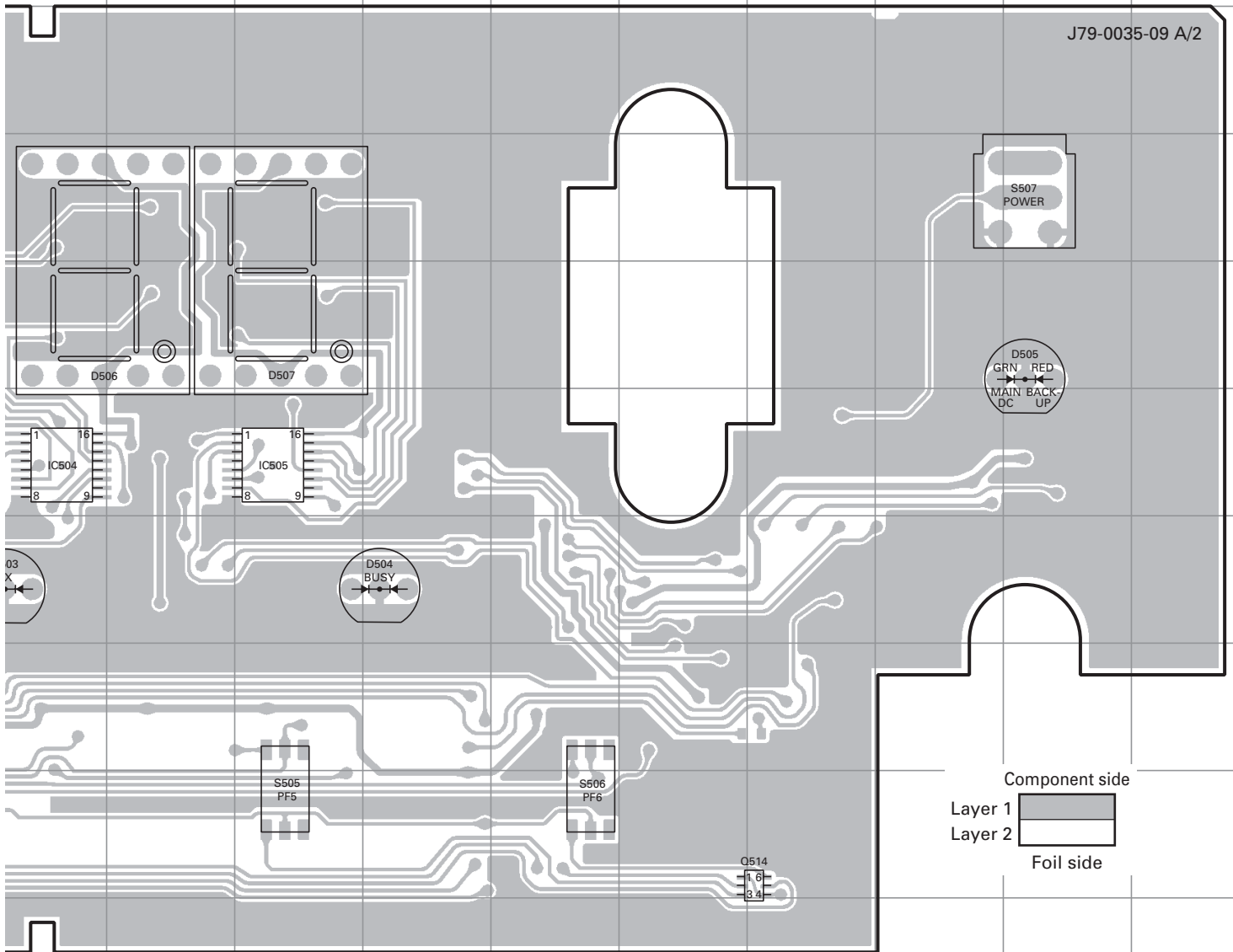
TKR-750 PC BOARD / PC板

DISPLAY UNIT (X54-3580-20) Component side view (J79-0035-09)



PC BOARD / PC板 TKR-750

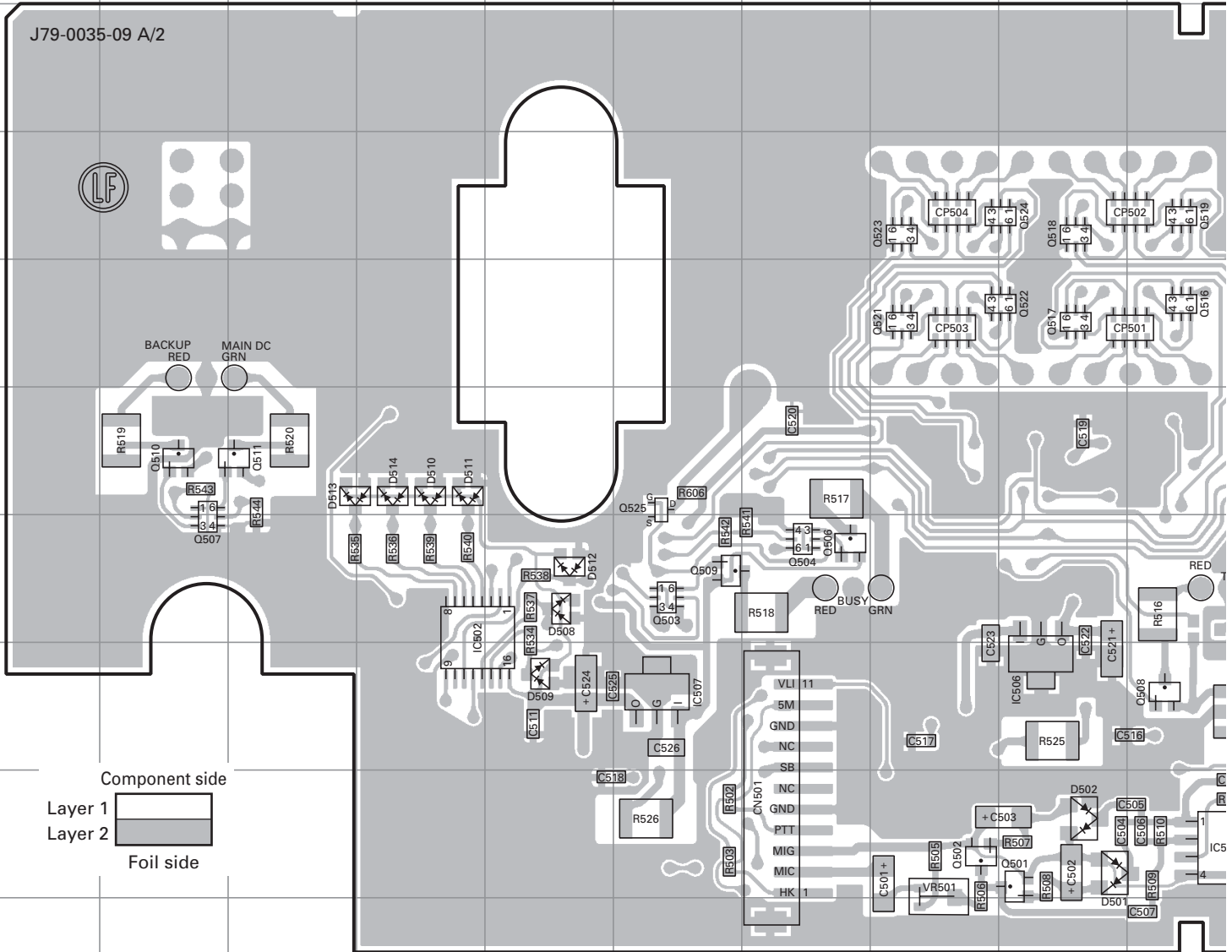
DISPLAY UNIT (X54-3580-20) Component side view (J79-0035-09)



Ref. No.	Address
IC504	6J
IC505	6L
Q512	10A
Q514	9P
D503	7J
D504	7M
D505	5R
D506	5J
D507	5L

TKR-750 PC BOARD / PC板

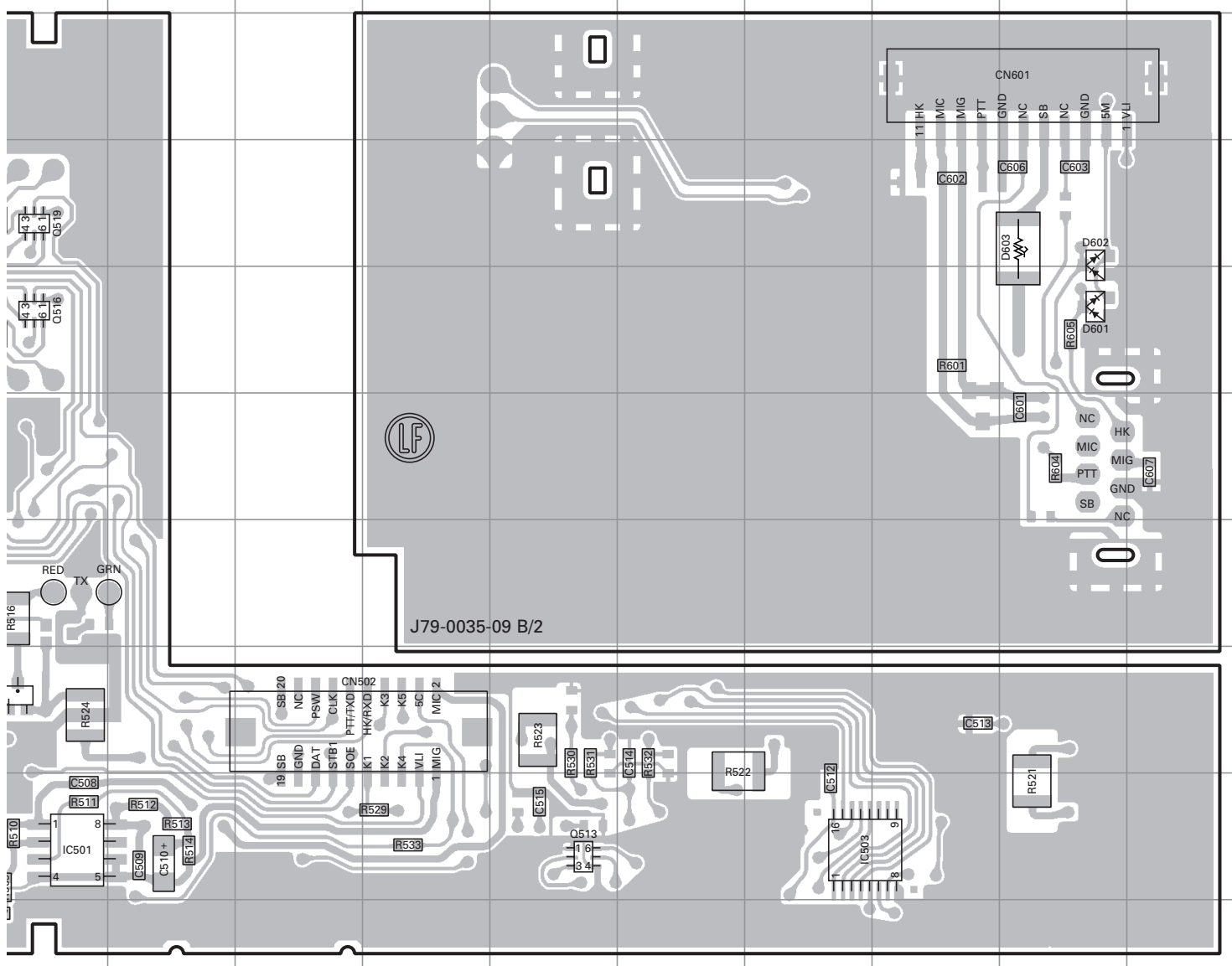
DISPLAY UNIT (X54-3580-20) Foil side view (J79-0035-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC501	9J	Q507	7B	Q521	5H	D511	6D
IC502	7D	Q508	8J	Q522	5I	D512	7E
IC503	9P	Q509	7F	Q523	4H	D513	6C
IC506	8I	Q510	6B	Q524	4I	D514	6D
IC507	8F	Q511	6C	Q525	6F	D601	5R
Q501	9I	Q513	9N	D501	9I	D602	4R
Q502	9H	Q516	5J	D502	9I	D603	4R
Q503	7F	Q517	5I	D508	7E		
Q504	7G	Q518	4I	D509	8E		
Q506	7G	Q519	4J	D510	6D		

PC BOARD / PC板 TKR-750

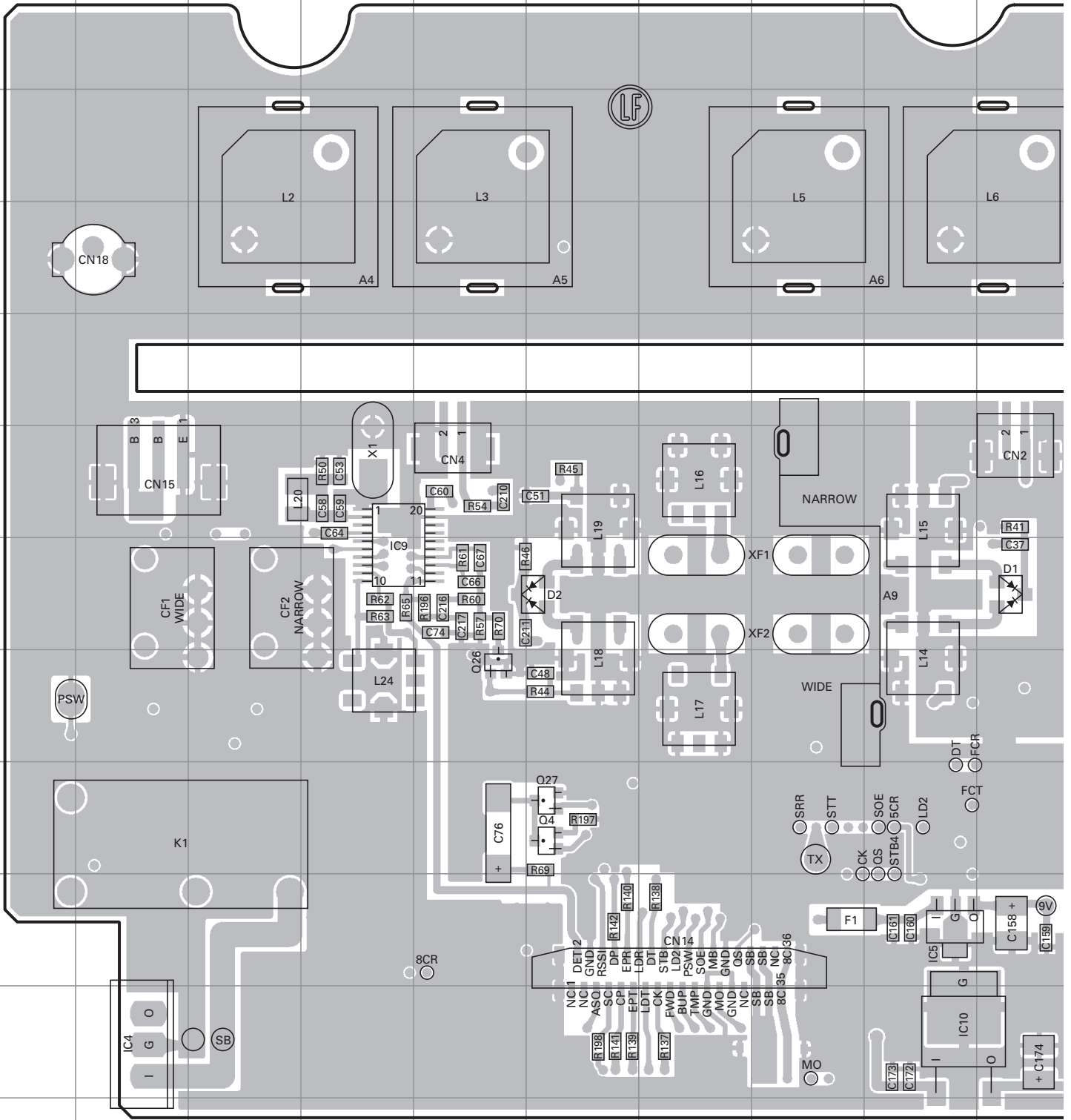
DISPLAY UNIT (X54-3580-20) Foil side view (J79-0035-09)



TKR-750 PC BOARD / PC板

TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E

Component side view (J79-0097-19 A/2)

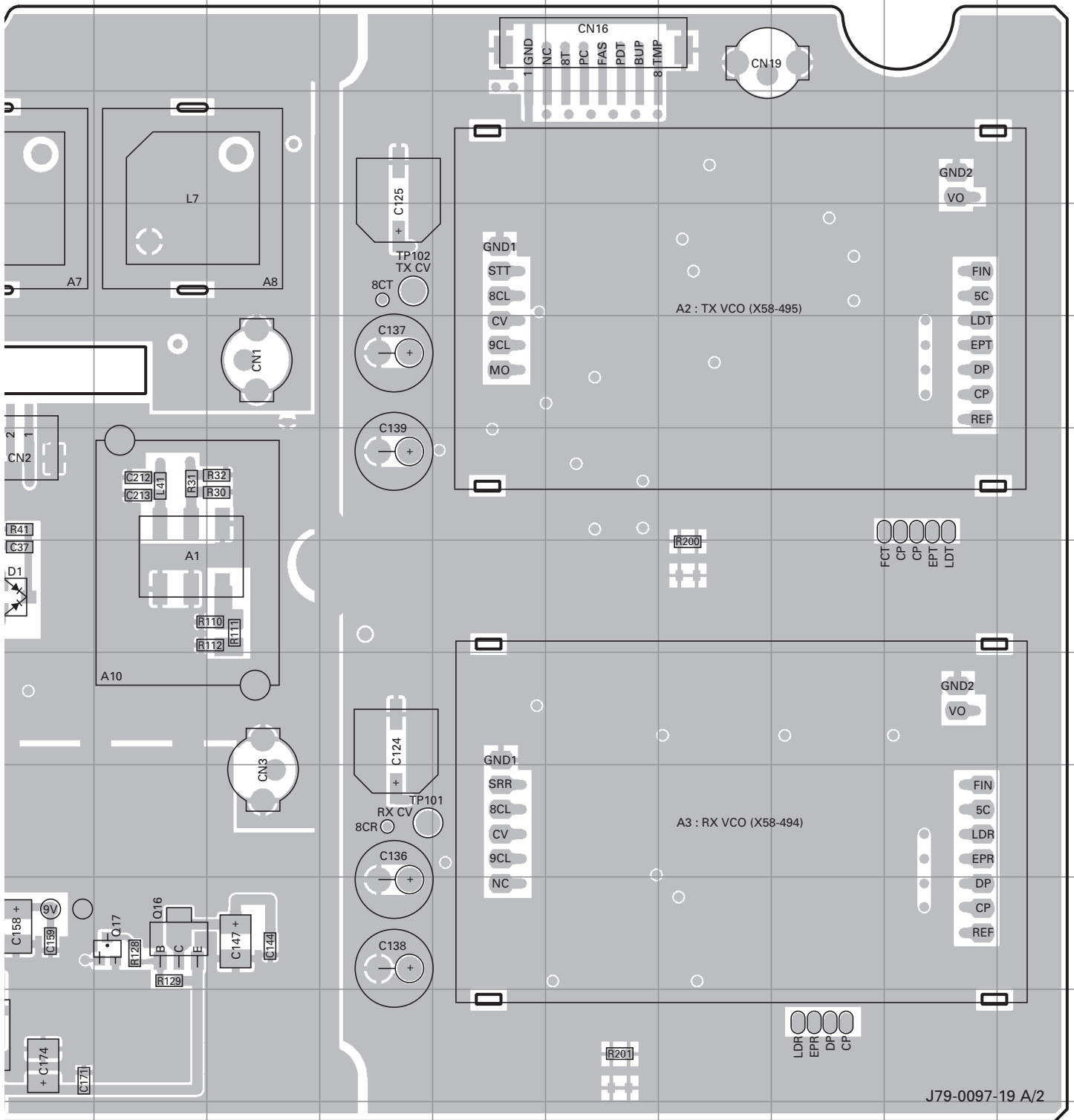


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC4	11B	Q4	9F	Q27	9F
IC5	10I	Q16	10K	D1	7J
IC9	7D	Q17	10K	D2	7F
IC10	11I	Q26	8E		

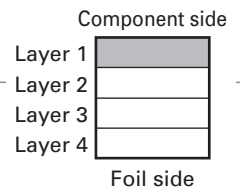
PC BOARD / PC板 TKR-750

TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E

Component side view (J79-0097-19 A/2)



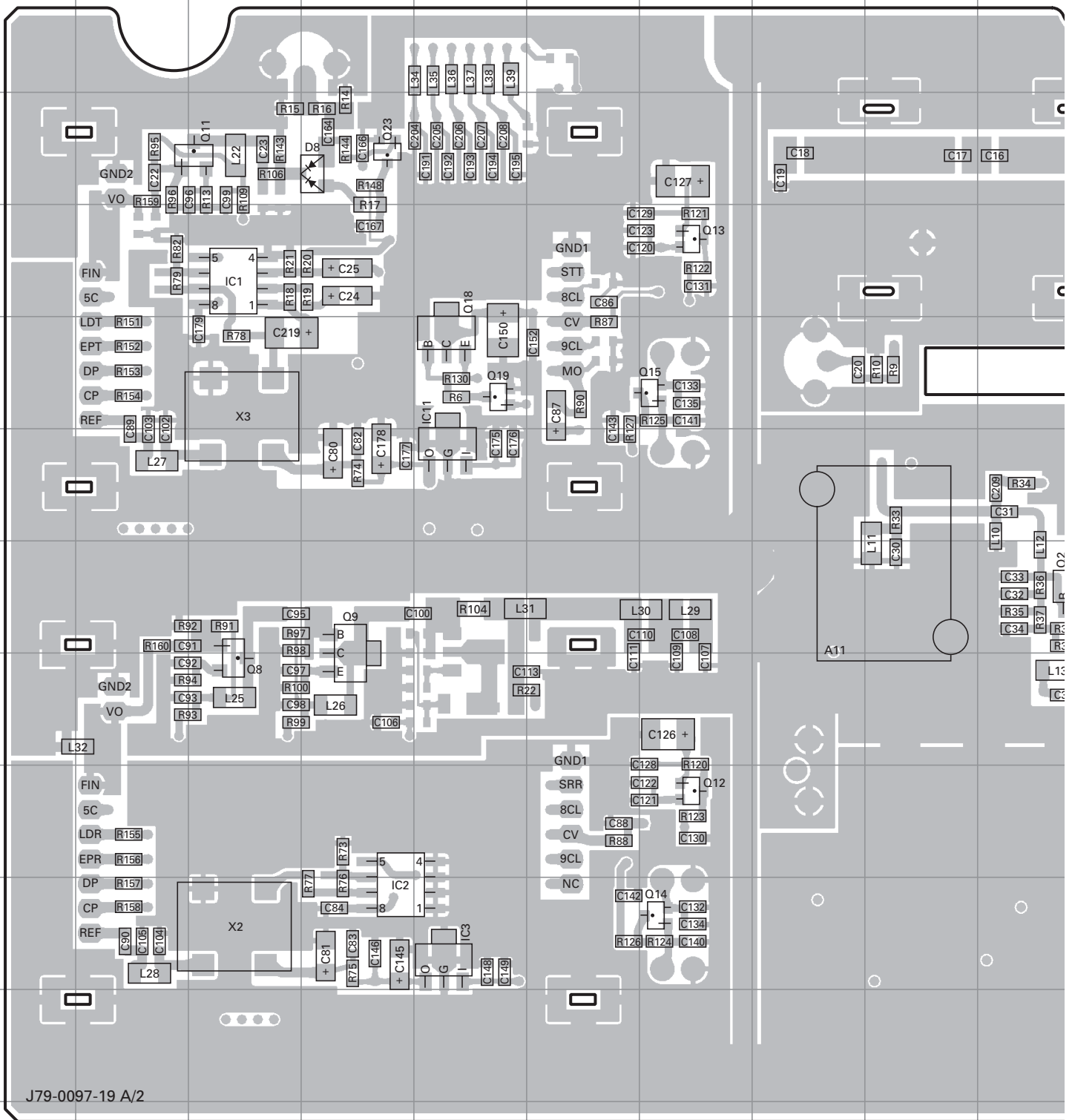
J79-0097-19 A/2



TKR-750 PC BOARD / PC板

TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E

Foil side view (J79-0097-19 A/2)



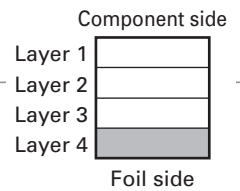
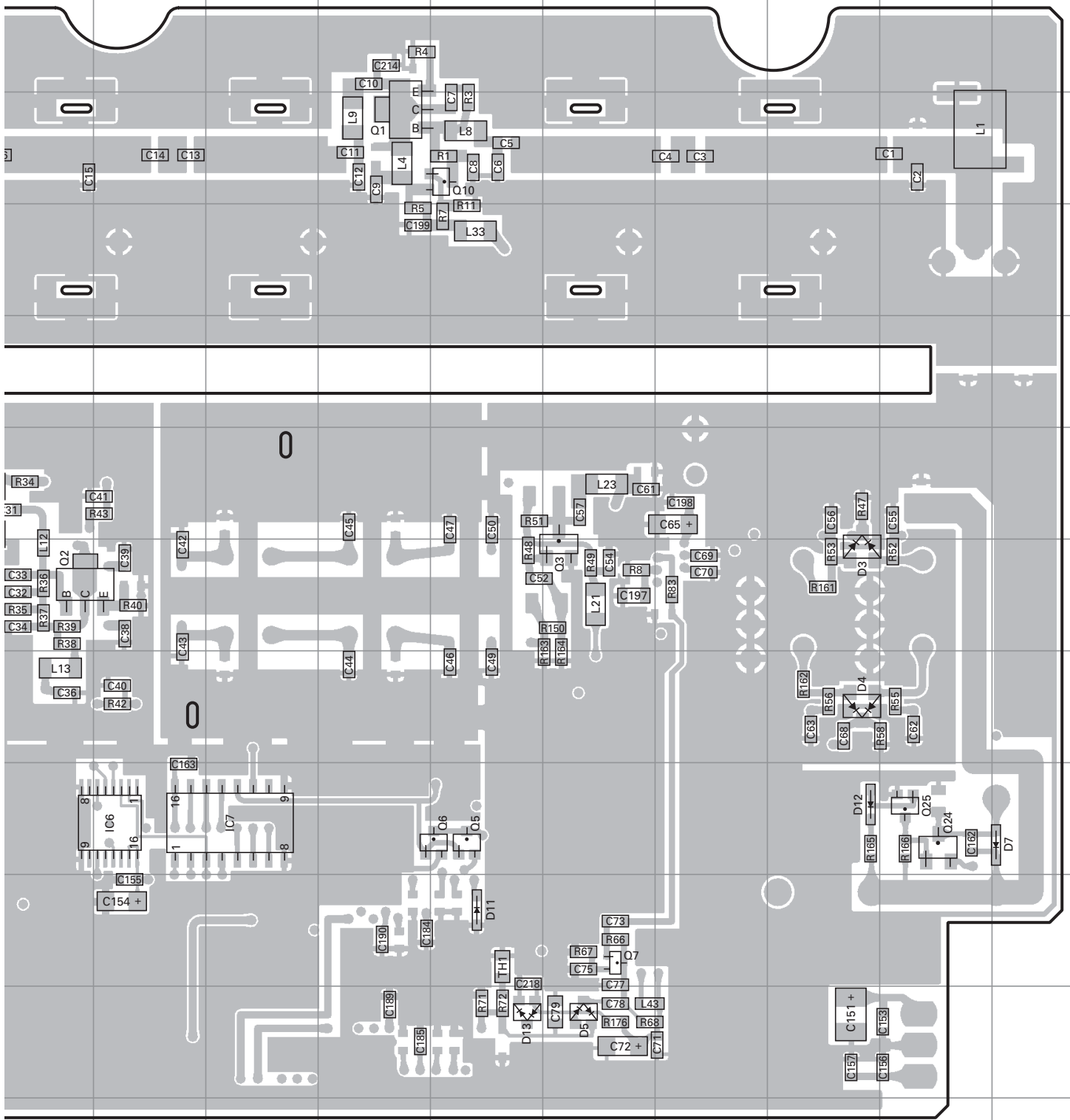
J79-0097-19 A/2

Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	4C	Q1	3M	Q8	8C	Q14	10G	Q25	9R	D11	10N
IC2	10D	Q2	7J	Q9	7D	Q15	5G	D3	7Q	D12	9Q
IC3	10E	Q3	7O	Q10	3N	Q18	5E	D4	8Q	D13	11N
IC6	9K	Q5	9N	Q11	3C	Q19	5E	D5	11O		
IC7	9L	Q6	9N	Q12	9G	Q23	3D	D7	9S		
IC11	6E	Q7	10O	Q13	4G	Q24	9R	D8	3D		

PC BOARD / PC板 TKR-750

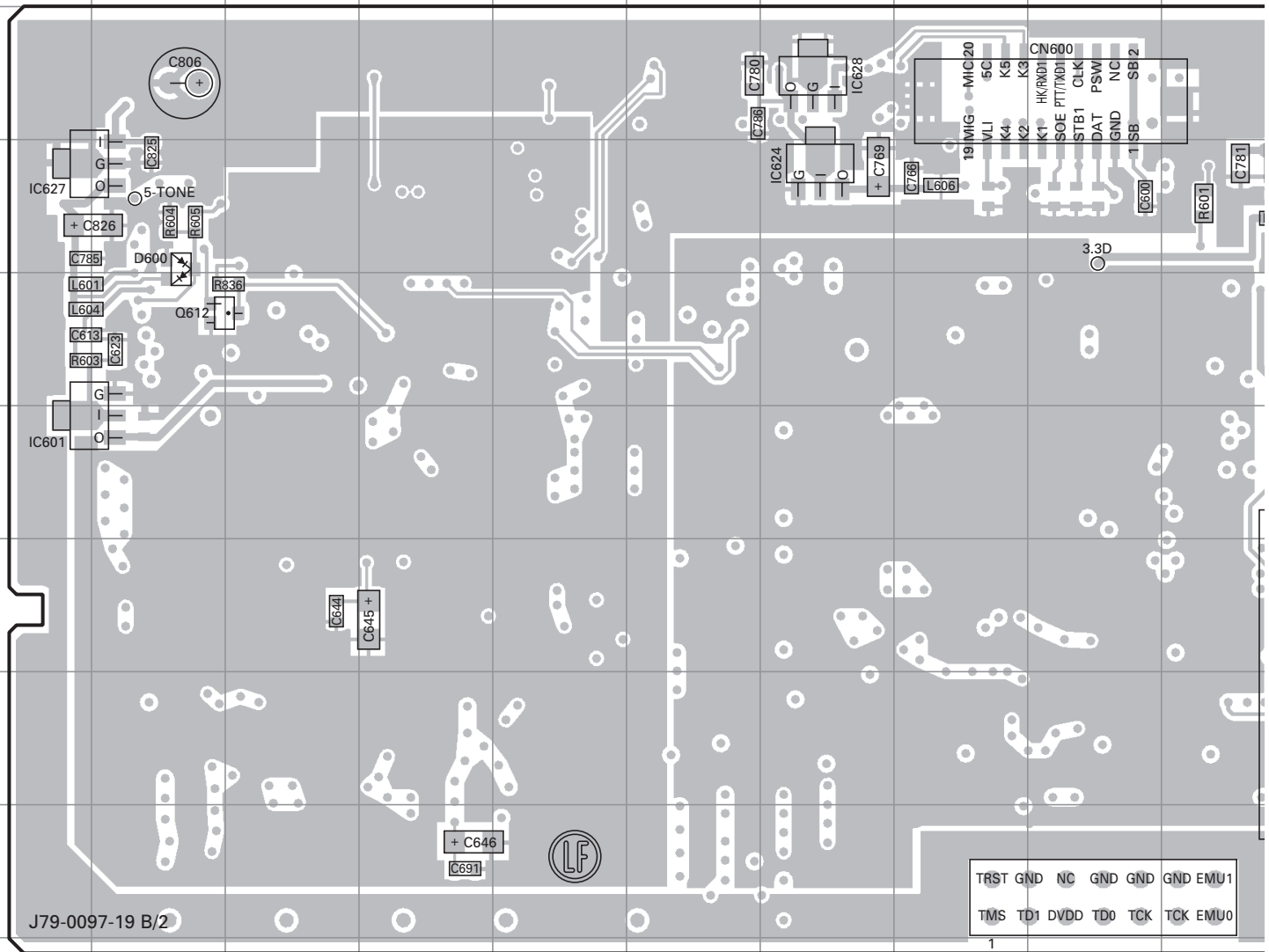
TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E

Foil side view (J79-0097-19 A/2)



TKR-750 PC BOARD / PC板

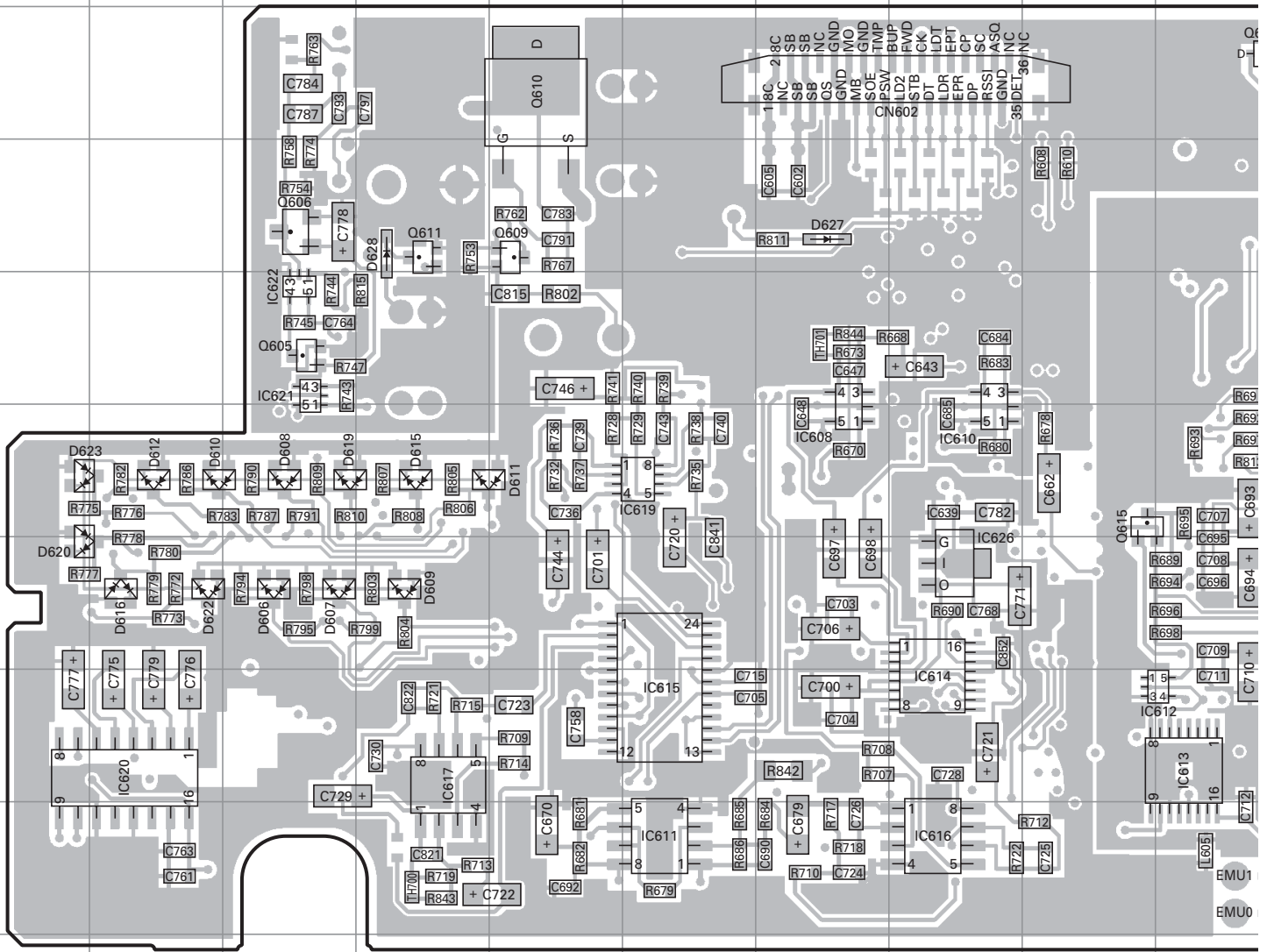
TX-RX UNIT (X57-695X-XX) (B/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E
Component side view (J79-0097-19 B/2)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC601	6A	IC628	3G	D600	4B
IC602	7K	IC629	4R	D614	6M
IC605	6K	IC630	4N	D618	6M
IC607	8O	Q607	8L	D621	7M
IC623	8K	Q608	9L	D626	4M
IC624	4G	Q612	5B	D629	6N
IC625	4K	Q613	8M		
IC627	4A	Q614	9M		

TKR-750 PC BOARD / PC板

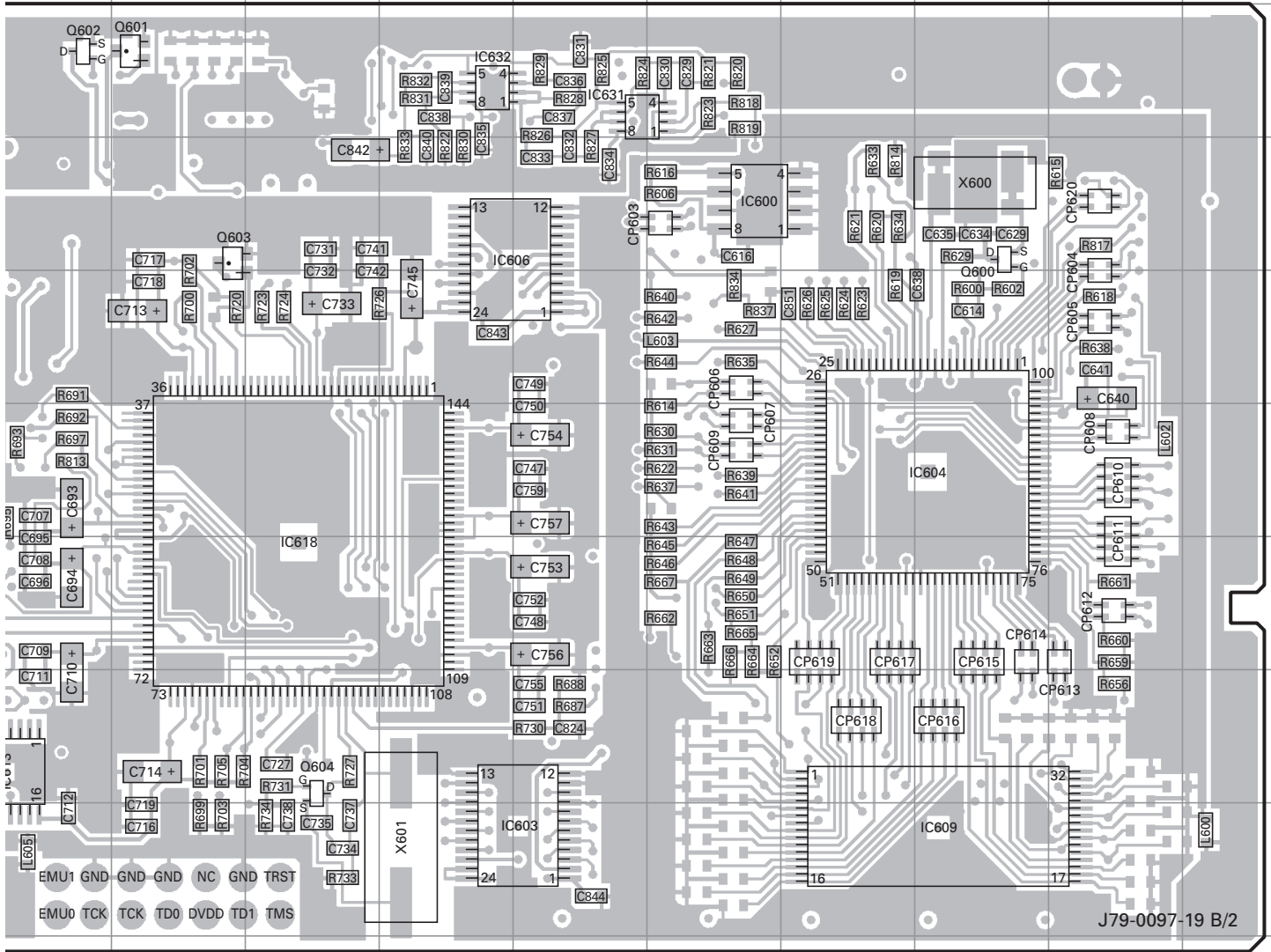
TX-RX UNIT (X57-695X-XX) (B/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E
Foil side view (J79-0097-19 B/2)



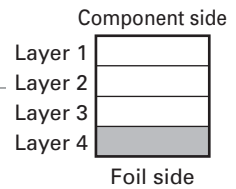
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC600	4O	IC612	8J	IC620	8B	Q602	3J	Q615	6I	D615	6D
IC603	9N	IC613	8J	IC621	5C	Q603	4K	D606	7C	D616	7B
IC604	6Q	IC614	8H	IC622	5C	Q604	8L	D607	7C	D619	6C
IC606	4M	IC615	8F	IC626	7H	Q605	5C	D608	6C	D620	7A
IC608	6G	IC616	9H	IC631	3N	Q606	4C	D609	7D	D622	7B
IC609	9Q	IC617	8D	IC632	3M	Q609	4E	D610	6B	D623	6A
IC610	6H	IC618	7L	Q600	4Q	Q610	3E	D611	6E	D627	4G
IC611	9F	IC619	6F	Q601	3K	Q611	4D	D612	6B	D628	4D

PC BOARD / PC板 TKR-750

TX-RX UNIT (X57-695X-XX) (B/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E
Foil side view (J79-0097-19 B/2)

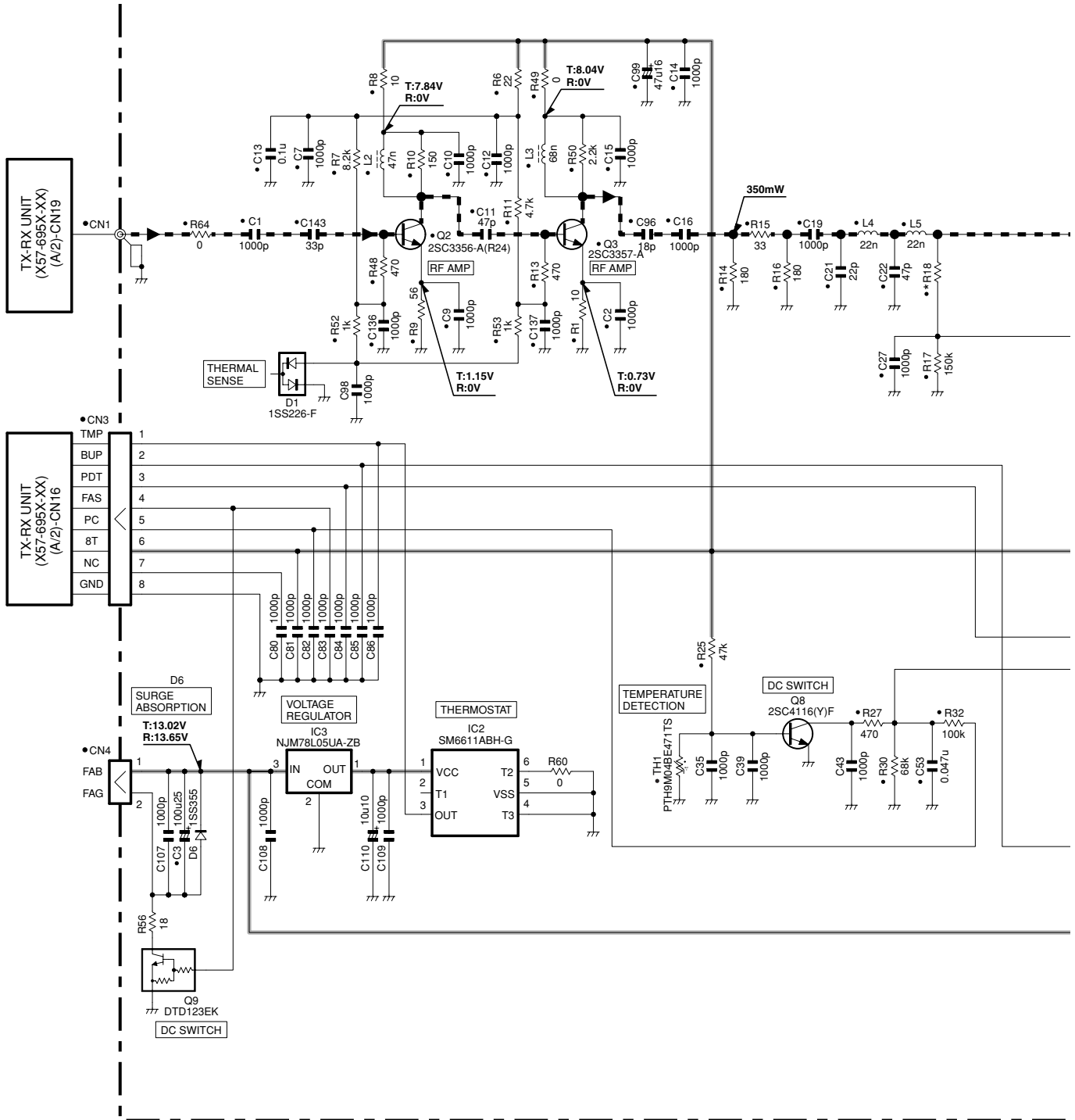


J79-0097-19 B/2



TKR-750 SCHEMATIC DIAGRAM / 原理图

FINAL UNIT
(X45-3730-XX) (A/2)

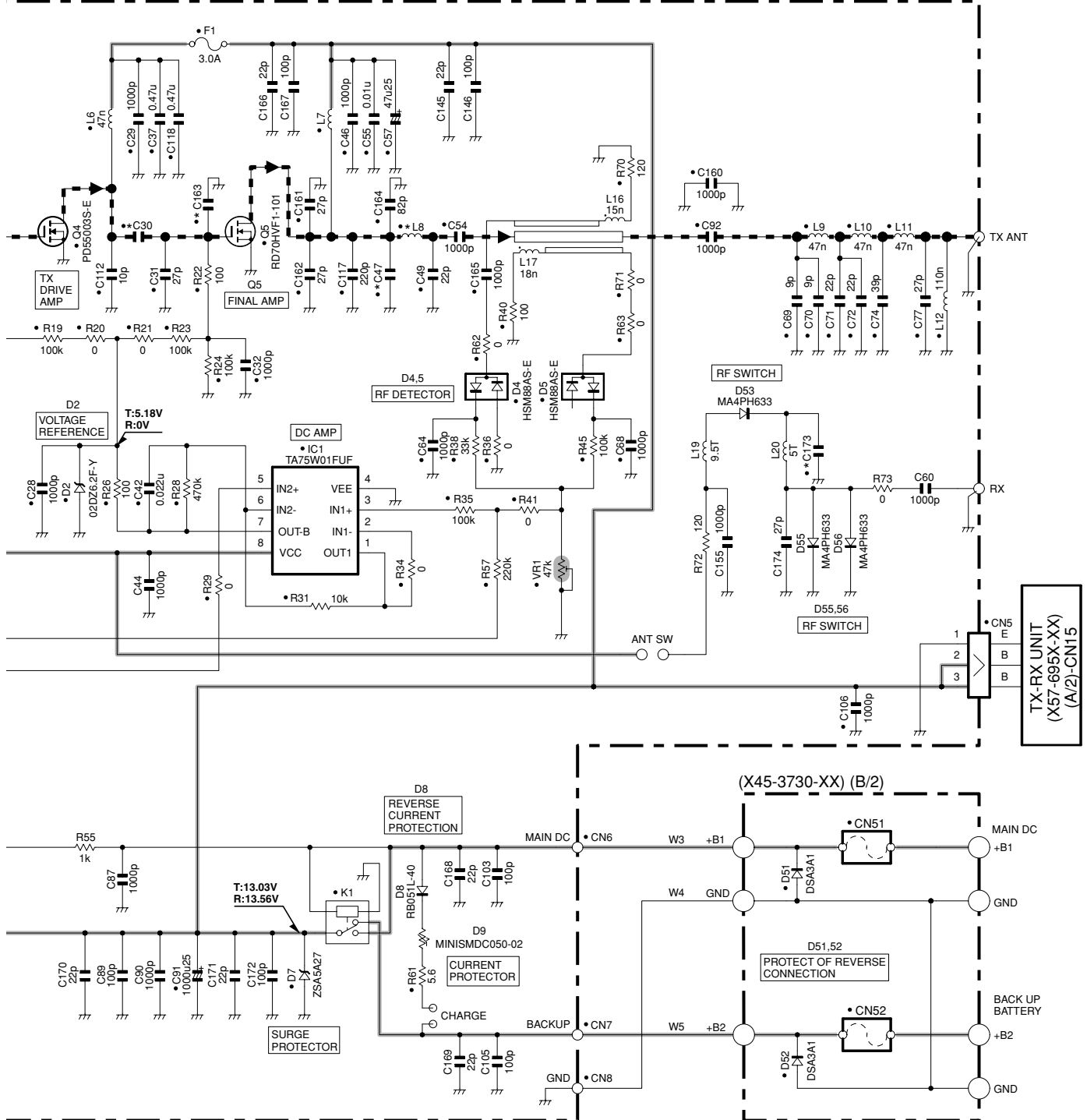


X45-3730-XX			R18
-10	K,E,C	146-173MHz	100
-11	K2,C2	136-150MHz	47

SCHEMATIC DIAGRAM / 原理图 TKR-750

Note : The components marked with a dot (•) are parts of layer 1.

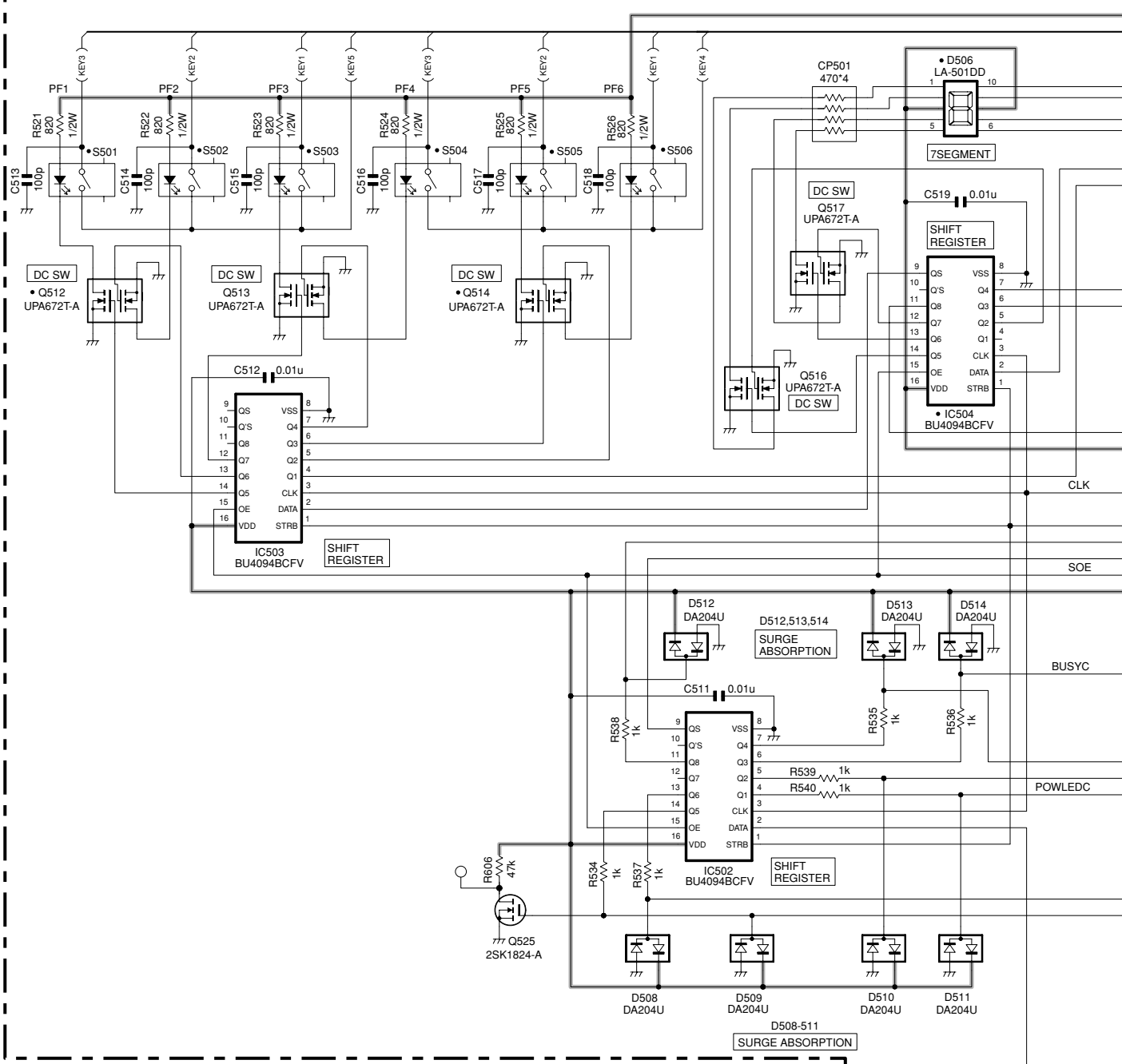
FINAL UNIT
(X45-373X-XX) (A/2)



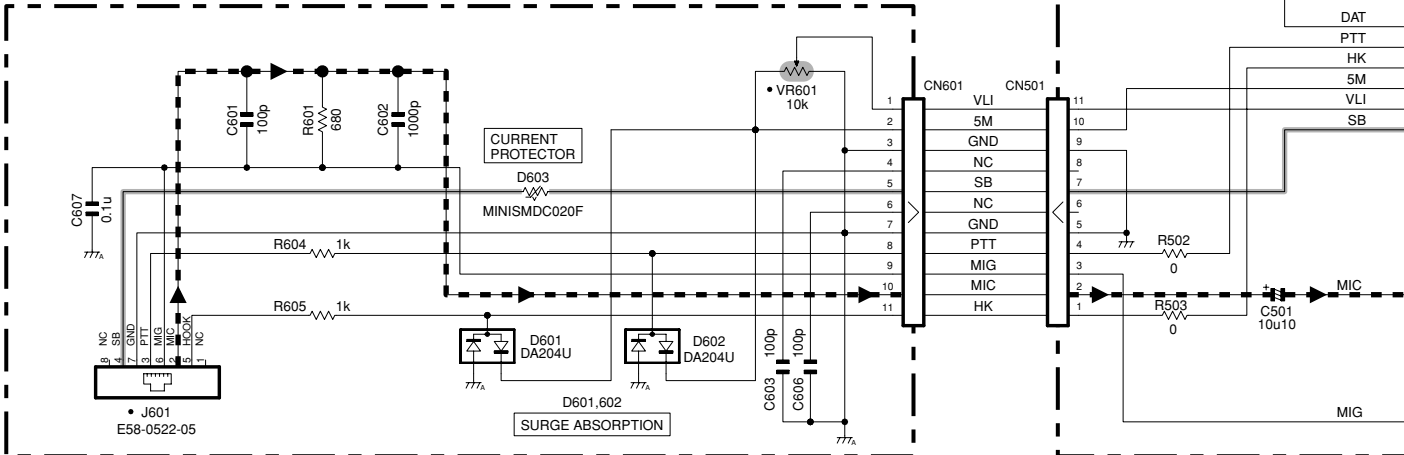
X45-3730-XX		C30	C47	C163	C173	L8
-10	K,E,C	146-173MHz	220p	NO	56p	18p
-11	K2,C2	136-150MHz	120p	36p	68p	27p

TKR-750 SCHEMATIC DIAGRAM / 原理图

DISPLAY UNIT (X54-3580-20) (A/2)

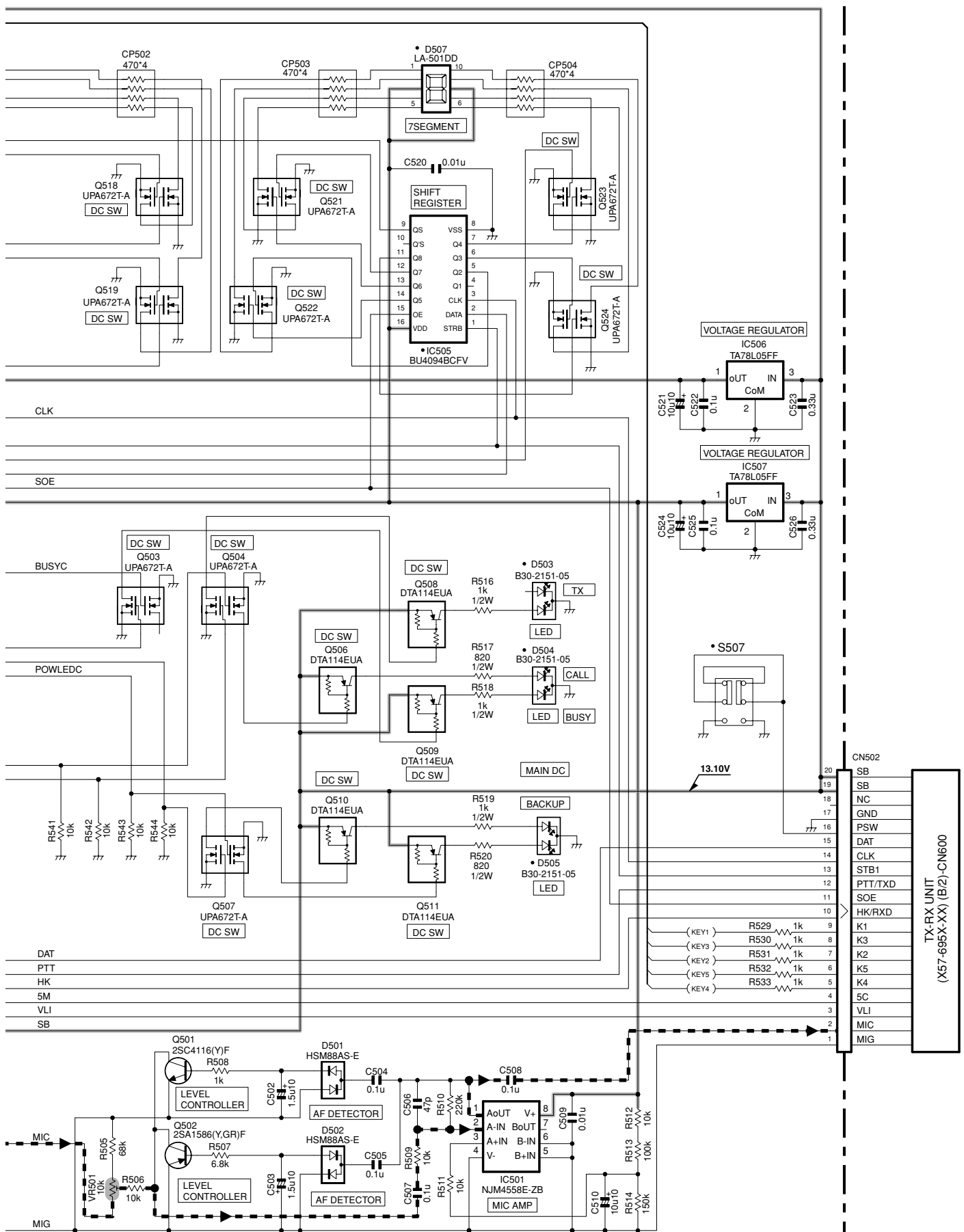


DISPLAY UNIT (X54-3580-20) (B/2)



SCHEMATIC DIAGRAM / 原理图 TKR-750

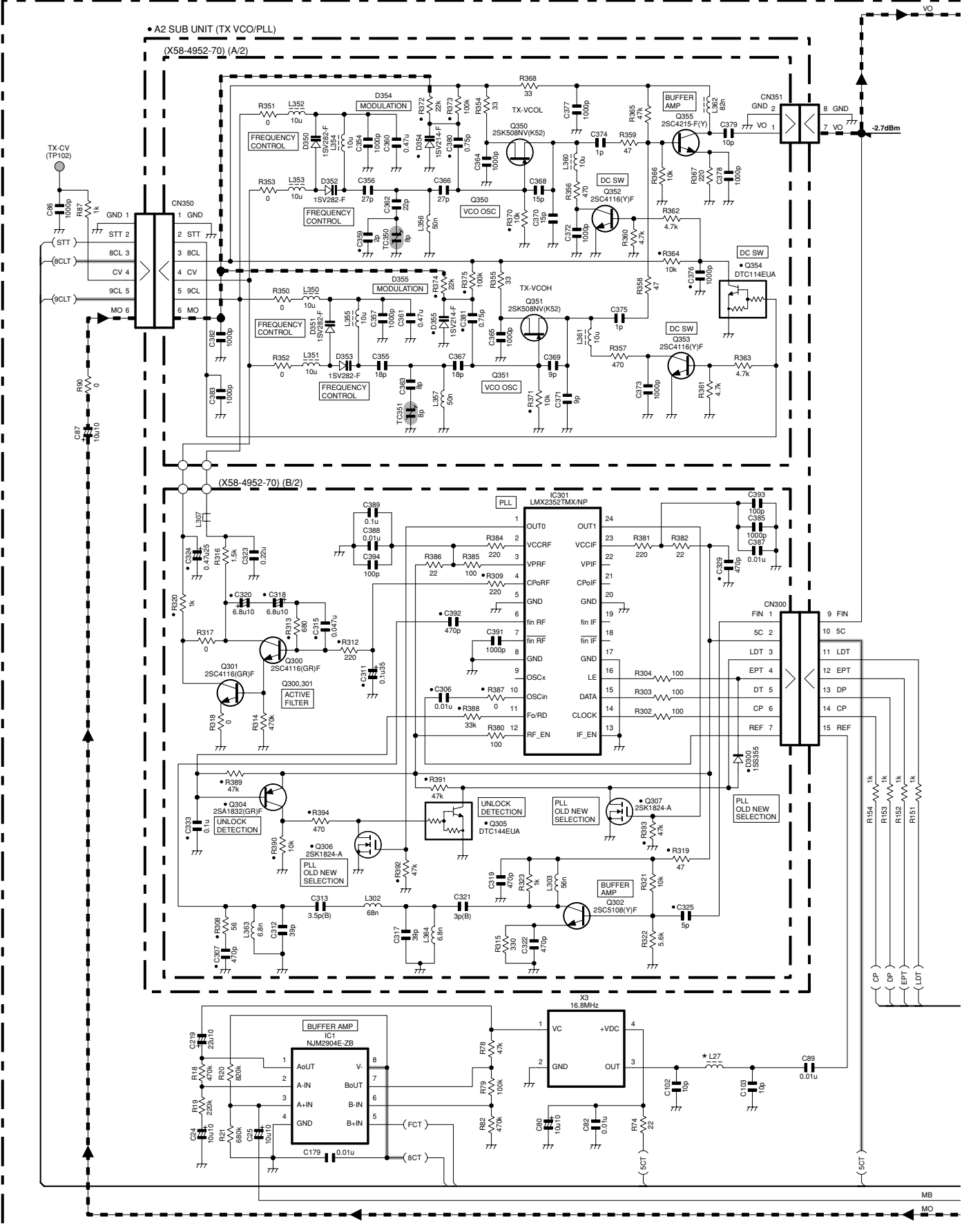
DISPLAY UNIT (X54-3580-20) (A/2)



Note : The components marked with a dot (•) are parts of layer 1.

TKR-750 SCHEMATIC DIAGRAM / 原理图

TX-RX UNIT (X57-695X-XX) (A/2)

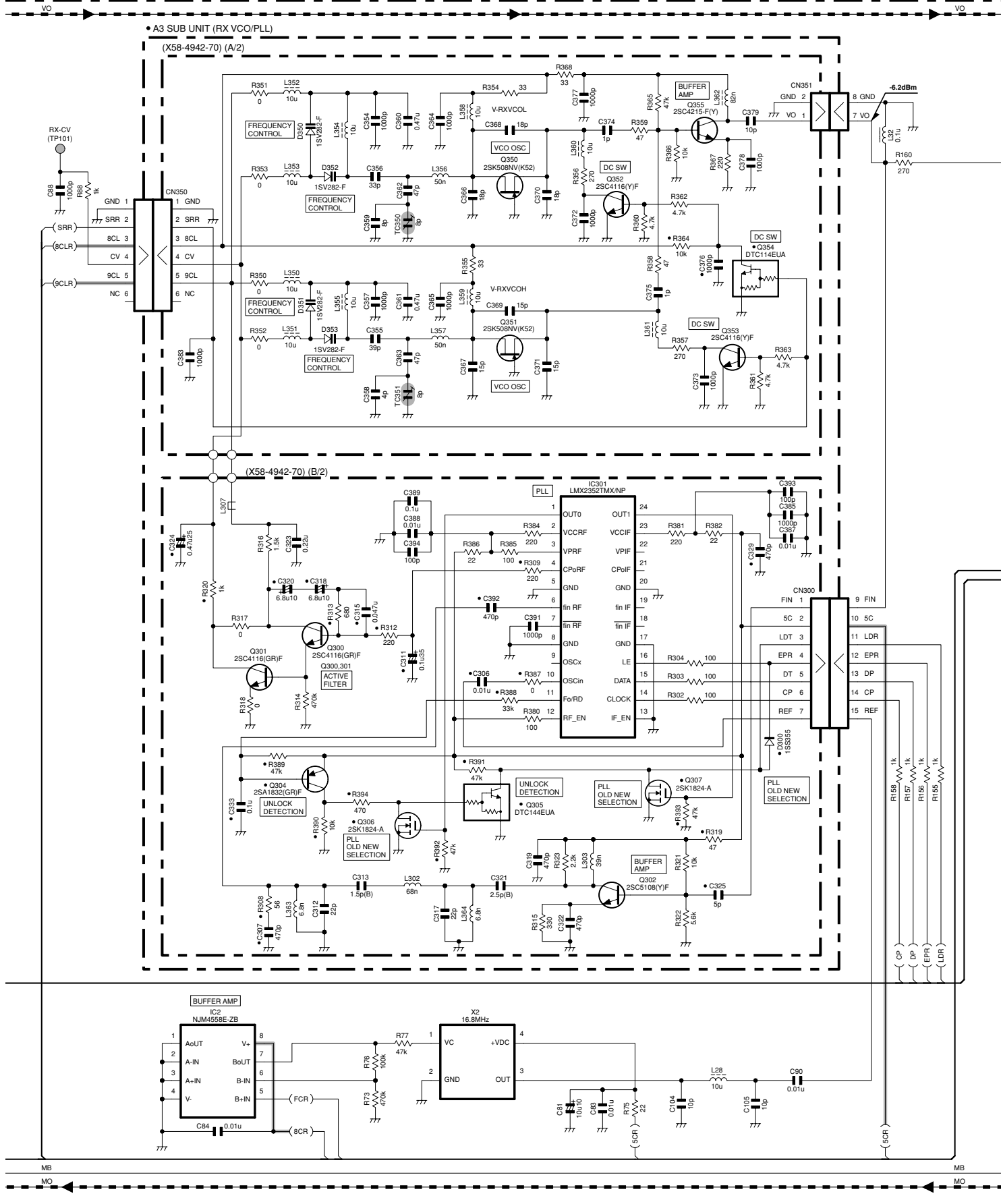


TX-RX UNIT

X57-695X-XX	L27
2-70	E 3.9u
0-11	K.C 3.9u
0-12	K2,C2 10u

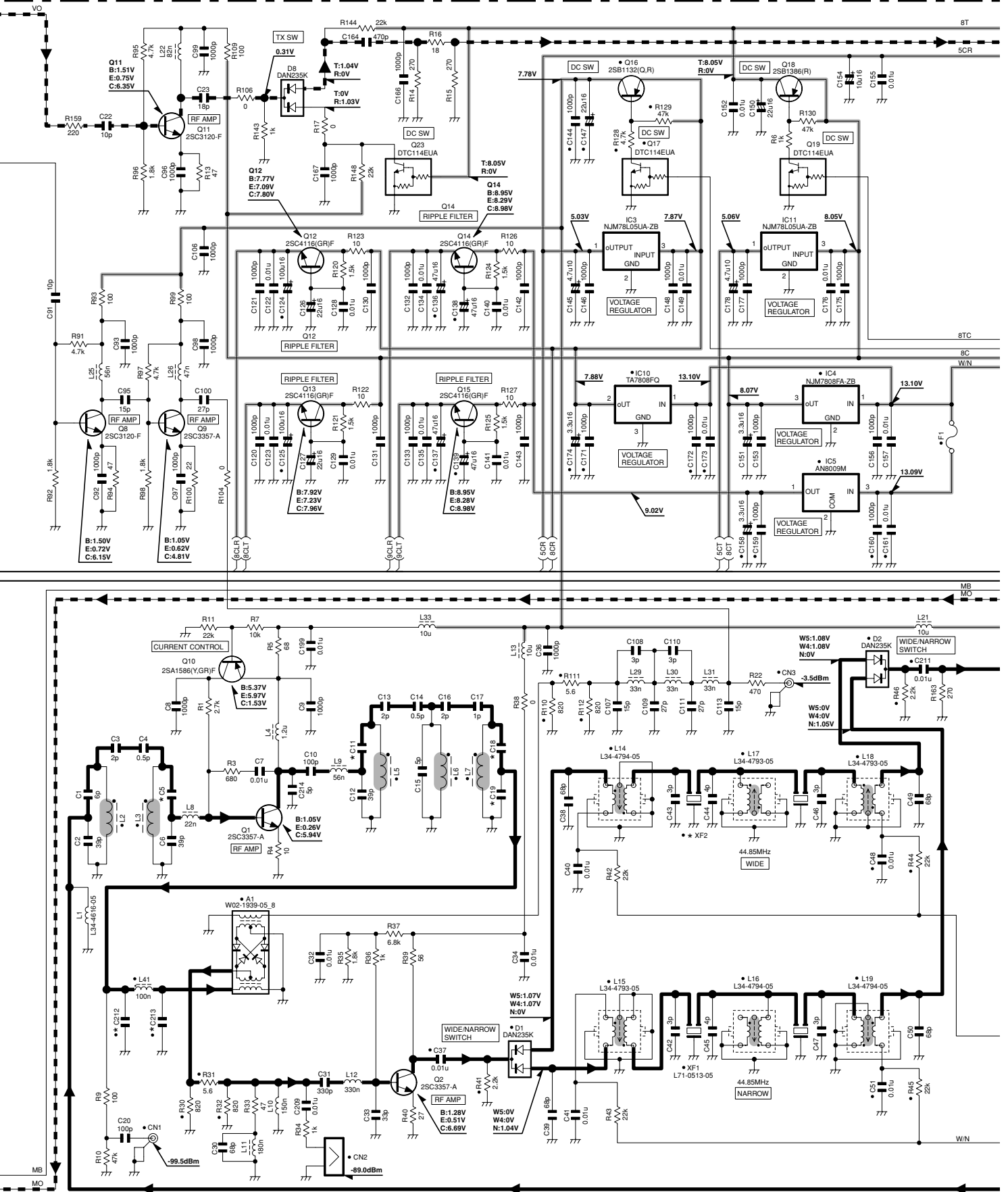
SCHEMATIC DIAGRAM / 原理图 TKR-750

TX-RX UNIT (X57-695X-XX) (A/2)



TKR-750 SCHEMATIC DIAGRAM / 原理图

TX-RX UNIT (X57-695X-XX) (A/2)

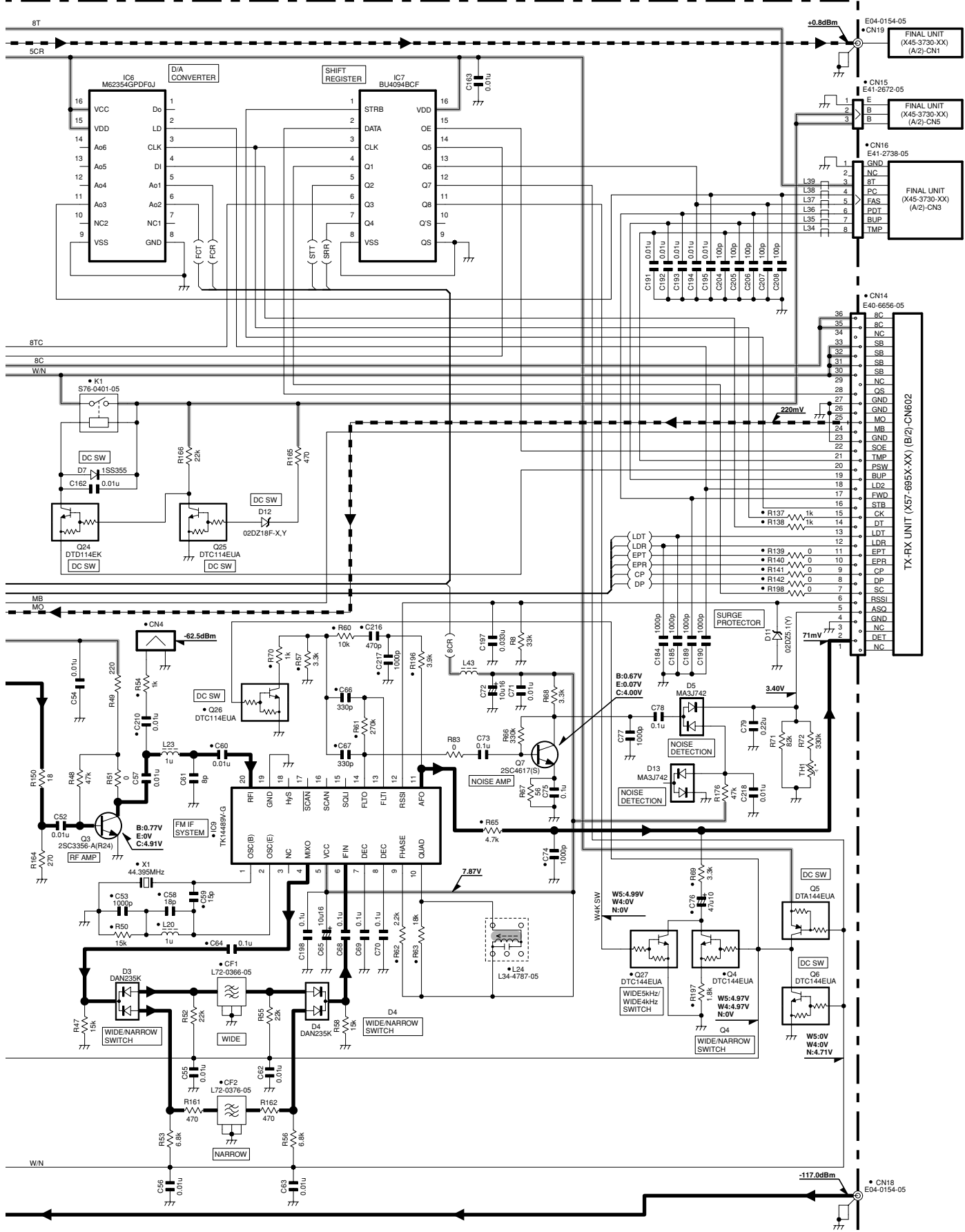


TX-RX UNIT

X57-695X-XX	C5	C11	C18	C19	C212	C213	XF2
2-70	E	6P	6P	18P	5P	5P	L71-0627-05
0-11	K,C	6P	6P	6P	18P	5P	L71-0512-05
0-12	K2,C2	8P	8P	9P	22P	6P	L71-0512-05

SCHEMATIC DIAGRAM / 原理图 TKR-750

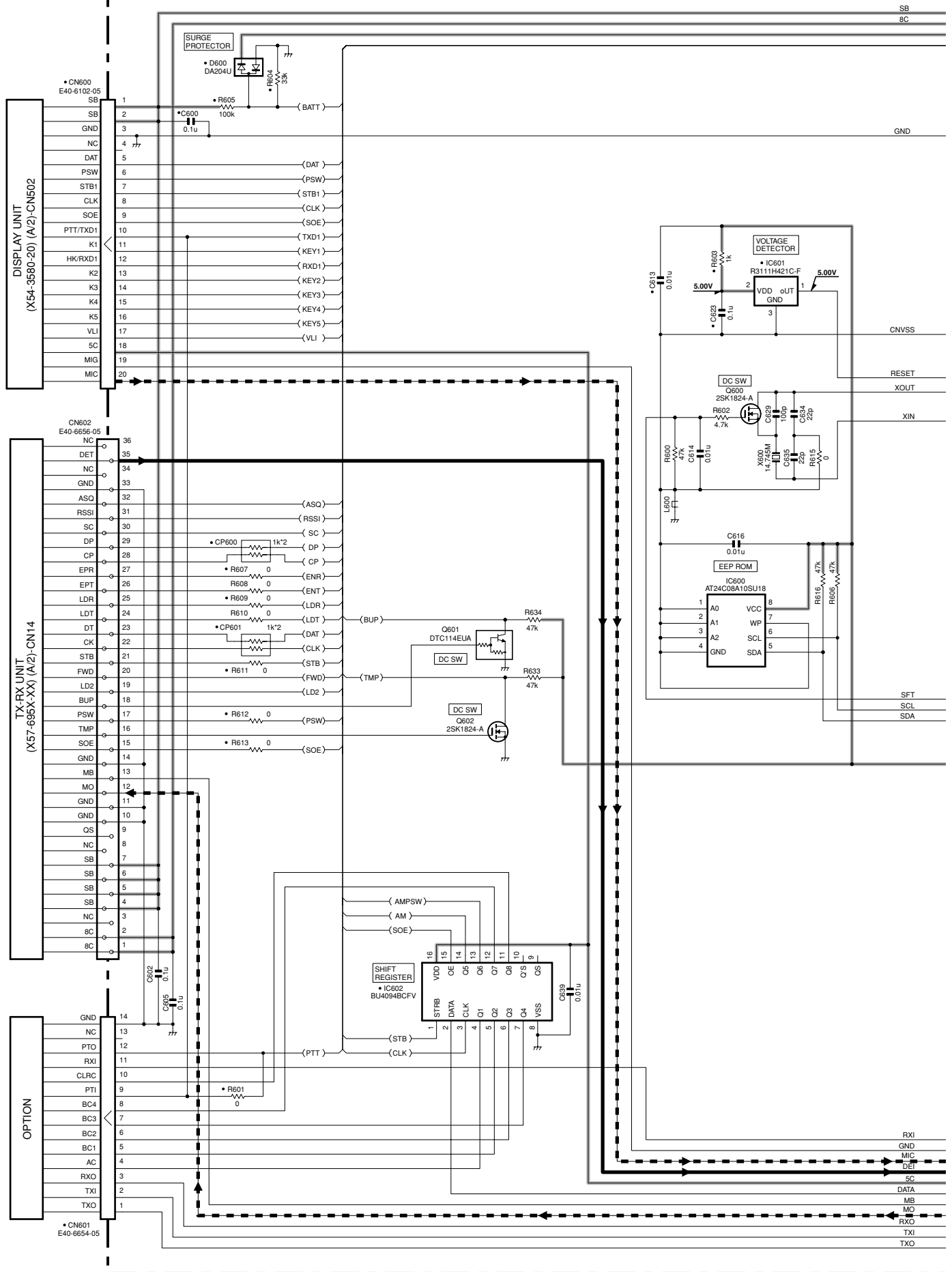
TX-RX UNIT (X57-695X-XX) (A/2)



Note : The components marked with a dot (•) are parts of layer 1.

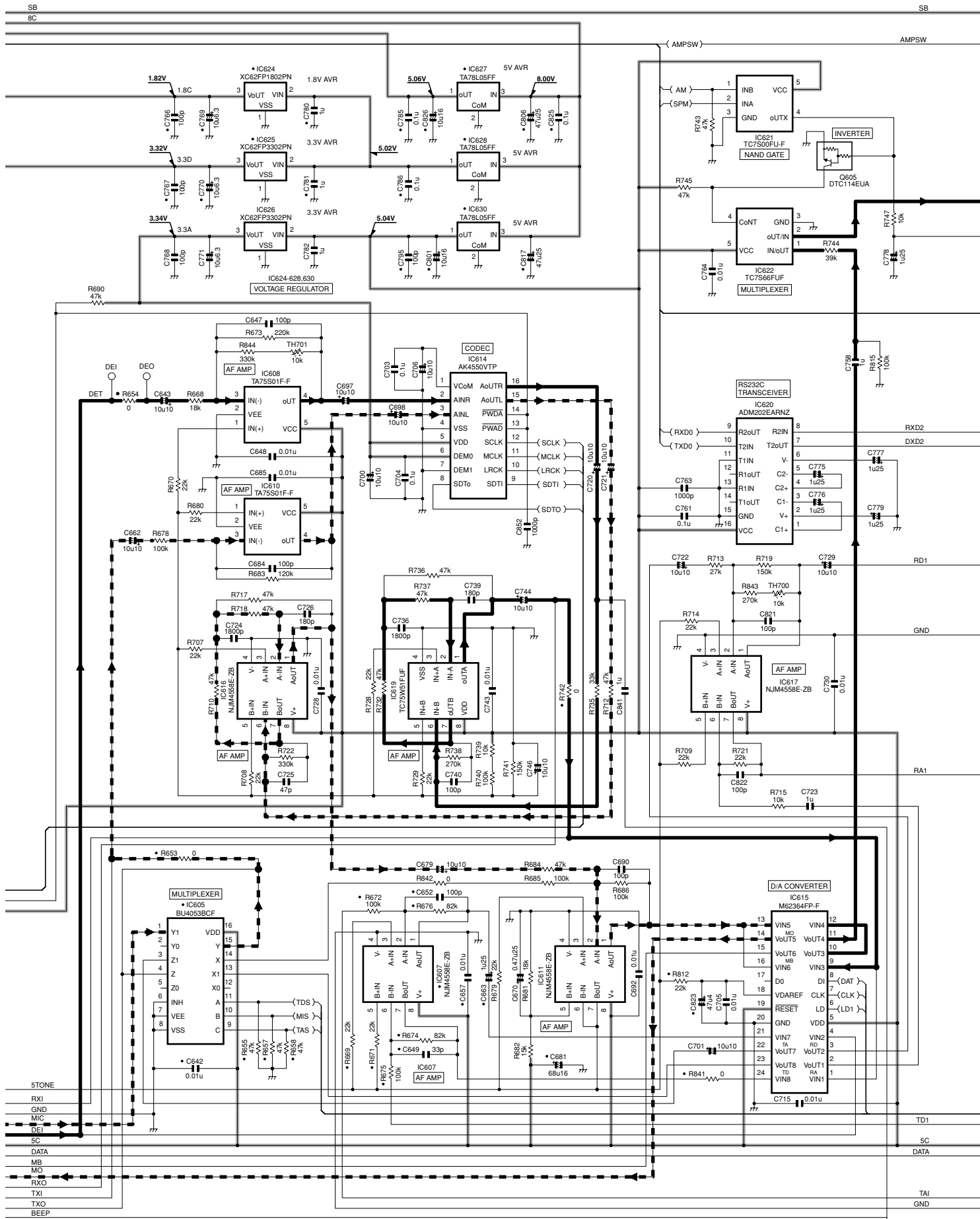
TKR-750 SCHEMATIC DIAGRAM / 原理图

TX-RX UNIT (X57-695X-XX) (B/2)



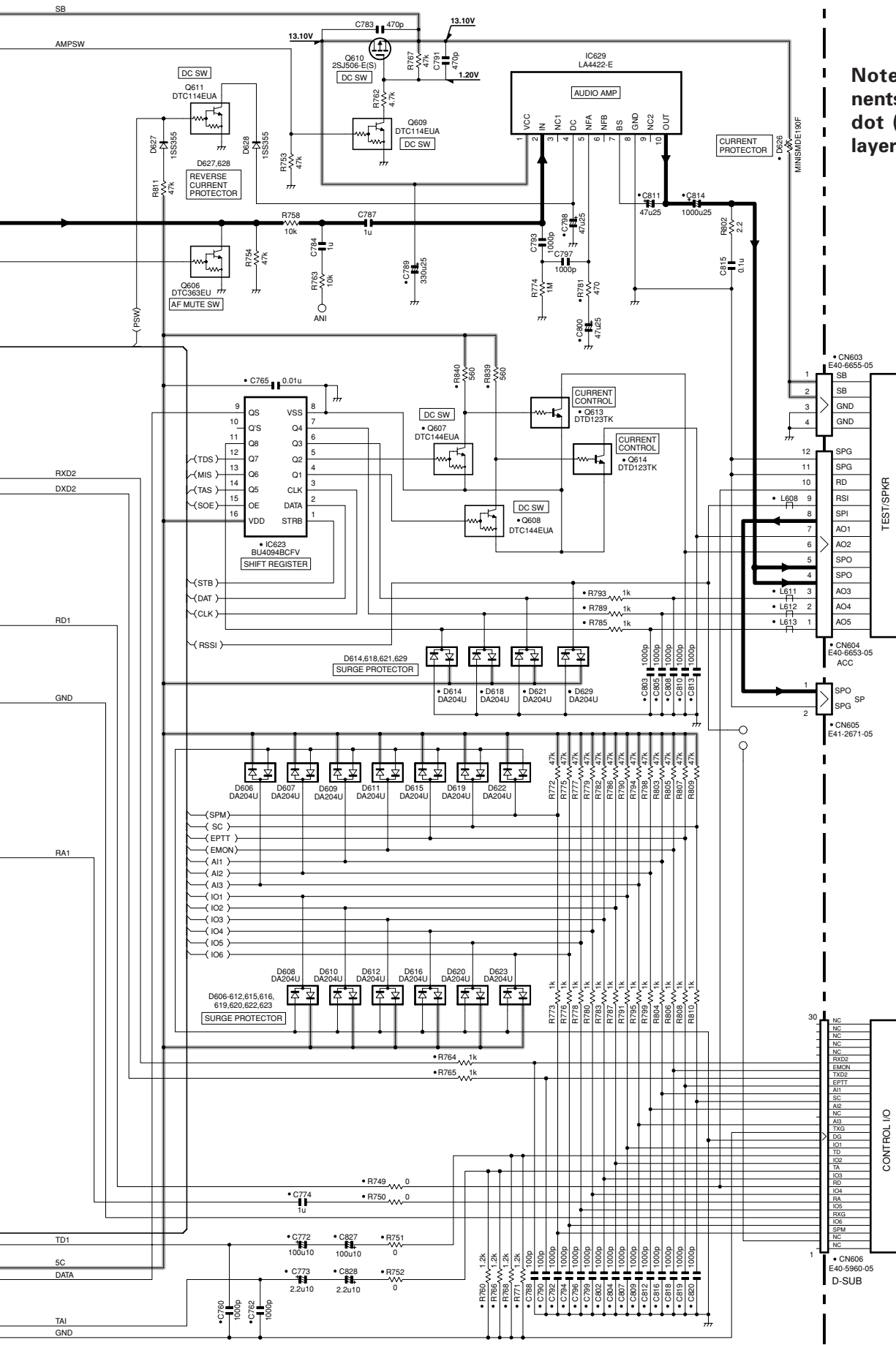
SCHEMATIC DIAGRAM / 原理图 TKR-750

TX-RX UNIT (X57-695X-XX) (B/2)



TKR-750 SCHEMATIC DIAGRAM / 原理图

TX-RX UNIT (X57-695X-XX) (B/2)



Note : The components marked with a dot (•) are parts of layer 1.

1
2
3
4
5
6
7

TKR-750

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Unit 3712-3724, Level 37, Tower one Metroplaza, 223 Hing Fong Road,
Kwai Fong, N.T., Hong Kong

Kenwood Electronics Singapore Pte Ltd

1 Ang Mo Kio Street 63, Singapore 569110

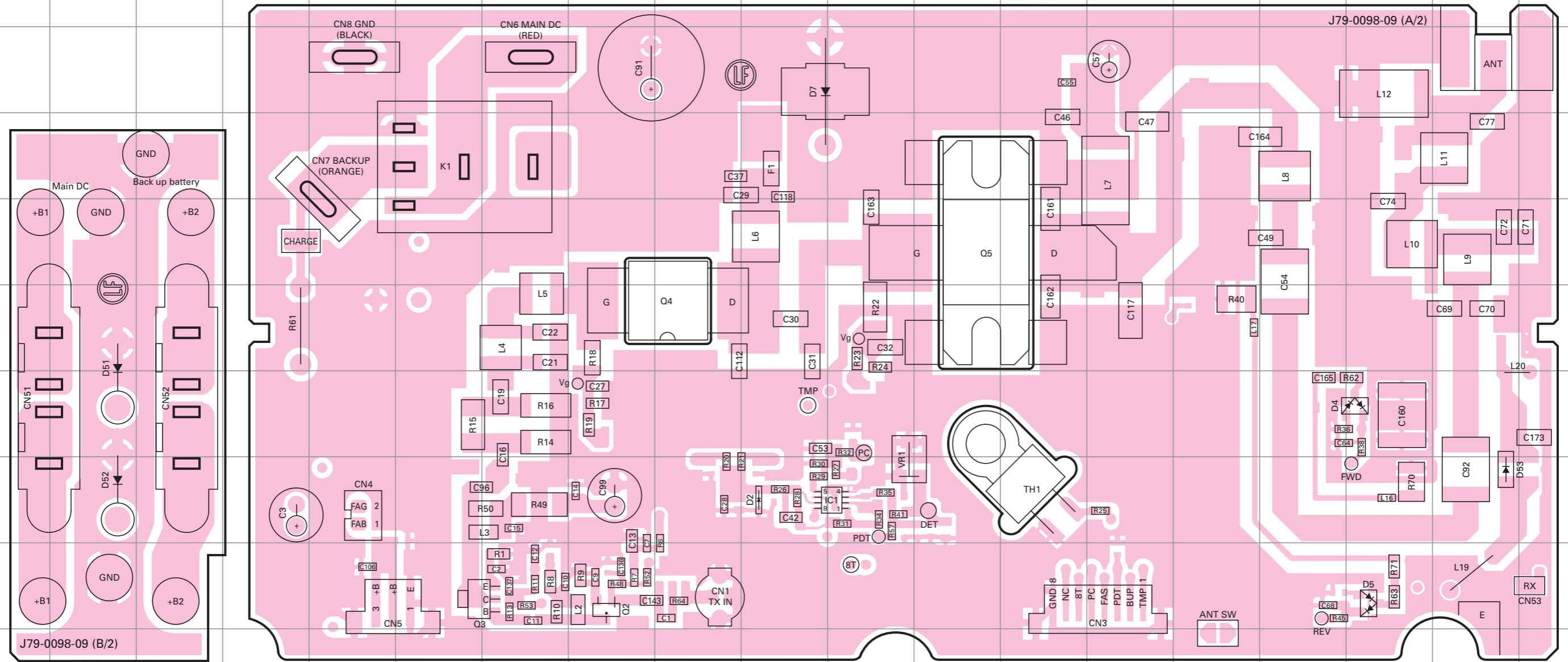


TKR-750 PC BOARD / PC板

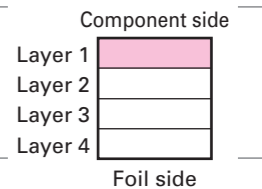
PC BOARD / PC板 TKR-750

FINAL UNIT (X45-373X-XX) 0-10 : K,E,C 0-11 : K2,C2
Component side view (J79-0098-09)

FINAL UNIT (X45-373X-XX) 0-10 : K,E,C 0-11 : K2,C2
Component side view (J79-0098-09)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	8K	Q5	5L	D7	3J
Q2	9H	D2	8J	D51	7B
Q3	9F	D4	7Q	D52	8B
Q4	6I	D5	9Q	D53	8R

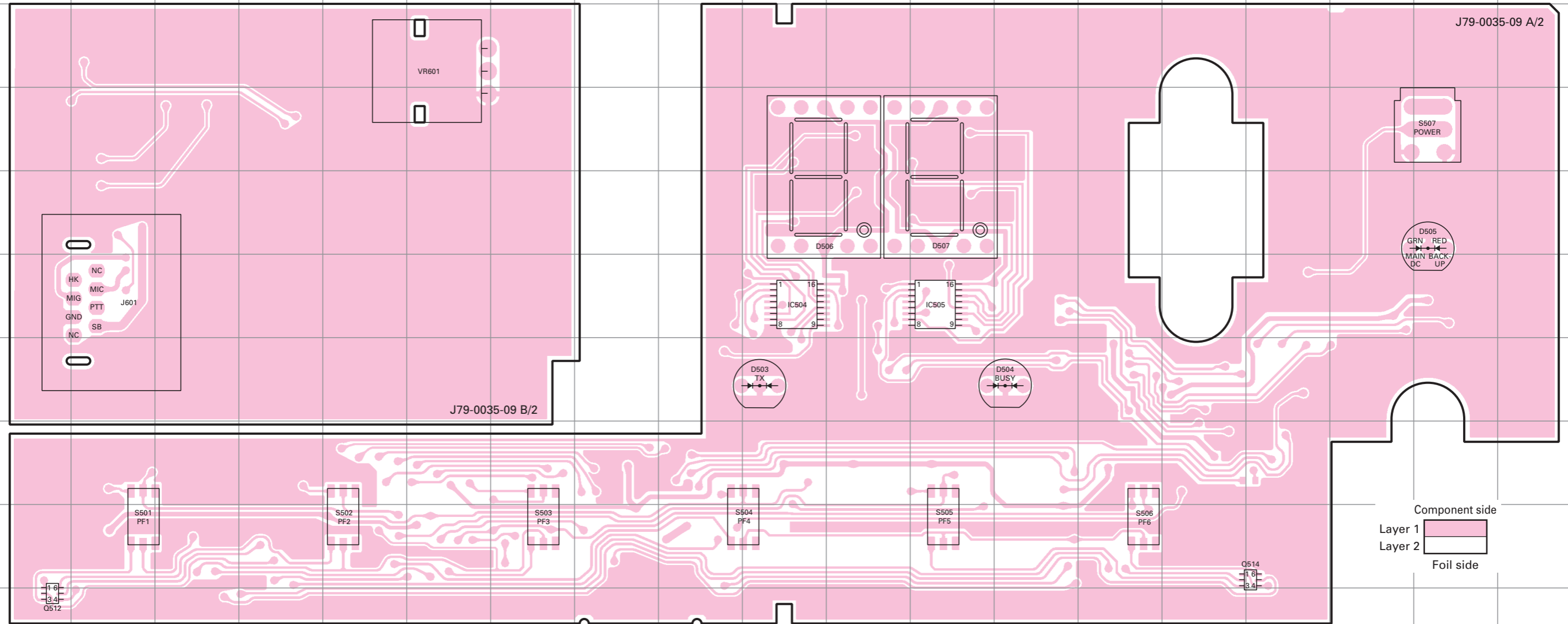


TKR-750 PC BOARD / PC板

PC BOARD / PC板 TKR-750

DISPLAY UNIT (X54-3580-20) Component side view (J79-0035-09)

DISPLAY UNIT (X54-3580-20) Component side view (J79-0035-09)



Component side
 Layer 1
 Layer 2
 Foil side

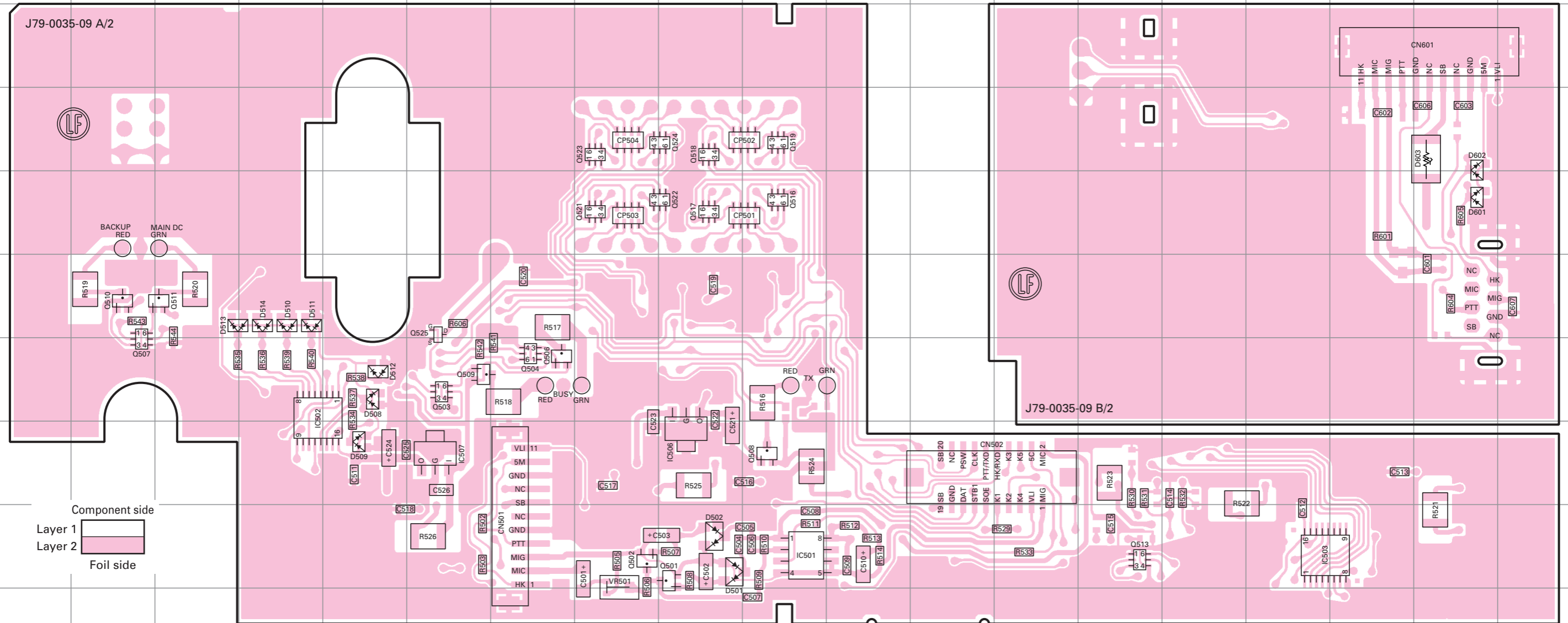
Ref. No.	Address
IC504	6J
IC505	6L
Q512	10A
Q514	9P
D503	7J
D504	7M
D505	5R
D506	5J
D507	5L

TKR-750 PC BOARD / PC板

PC BOARD / PC板 TKR-750

DISPLAY UNIT (X54-3580-20) Foil side view (J79-0035-09)

DISPLAY UNIT (X54-3580-20) Foil side view (J79-0035-09)



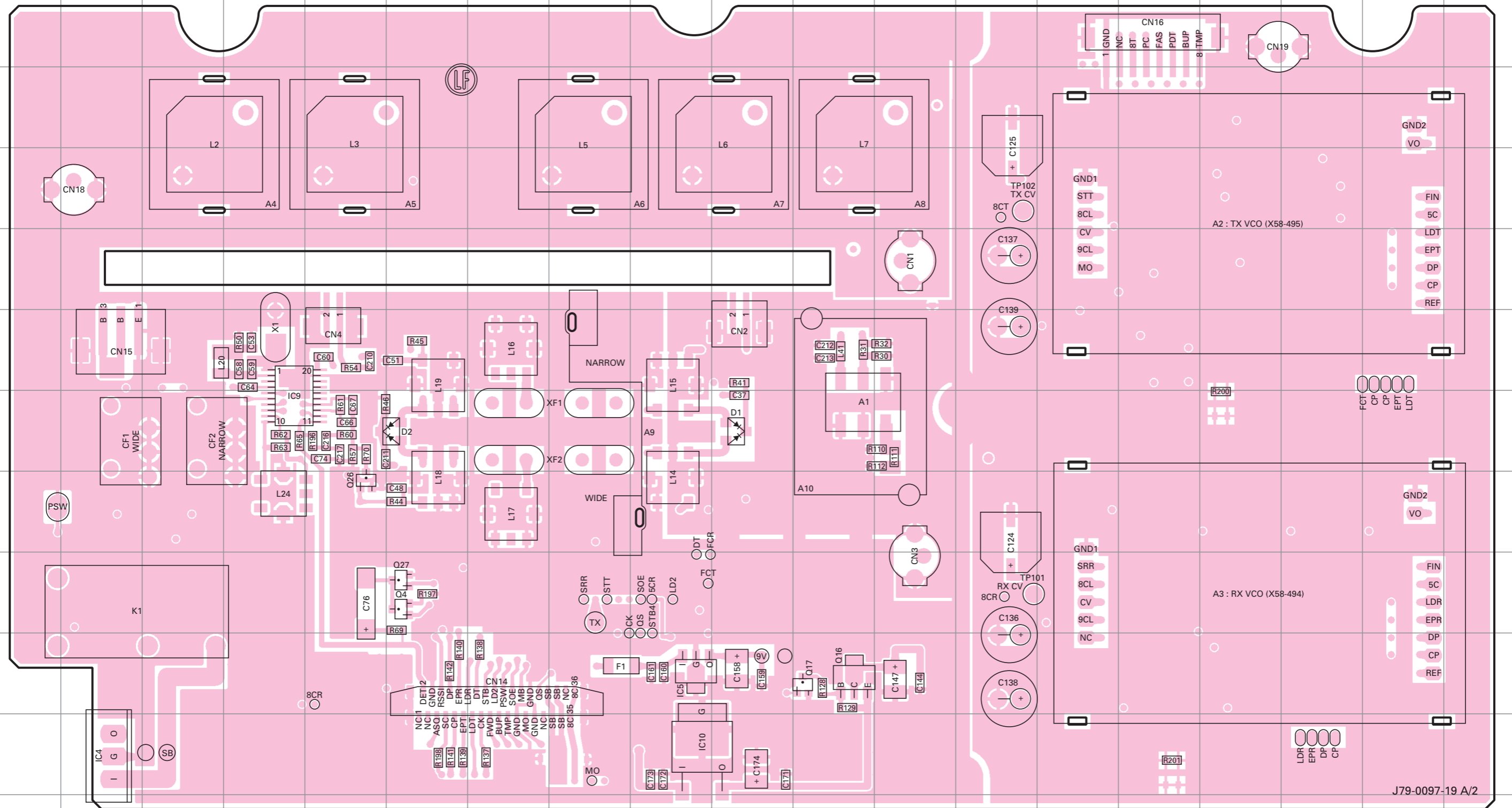
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC501	9J	Q507	7B	Q521	5H	D511	6D
IC502	7D	Q508	8J	Q522	5I	D512	7E
IC503	9P	Q509	7F	Q523	4H	D513	6C
IC506	8I	Q510	6B	Q524	4I	D514	6D
IC507	8F	Q511	6C	Q525	6F	D601	5R
Q501	9I	Q513	9N	D501	9I	D602	4R
Q502	9H	Q516	5J	D502	9I	D603	4R
Q503	7F	Q517	5I	D508	7E		
Q504	7G	Q518	4I	D509	8E		
Q506	7G	Q519	4J	D510	6D		

TKR-750 PC BOARD / PC板

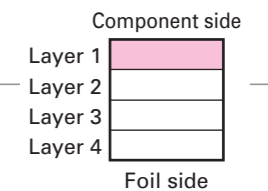
TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E
Component side view (J79-0097-19 A/2)

PC BOARD / PC板 TKR-750

TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E
Component side view (J79-0097-19 A/2)



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC4	11B	Q4	9F	Q27	9F
IC5	10I	Q16	10K	D1	7J
IC9	7D	Q17	10K	D2	7F
IC10	11I	Q26	8E		

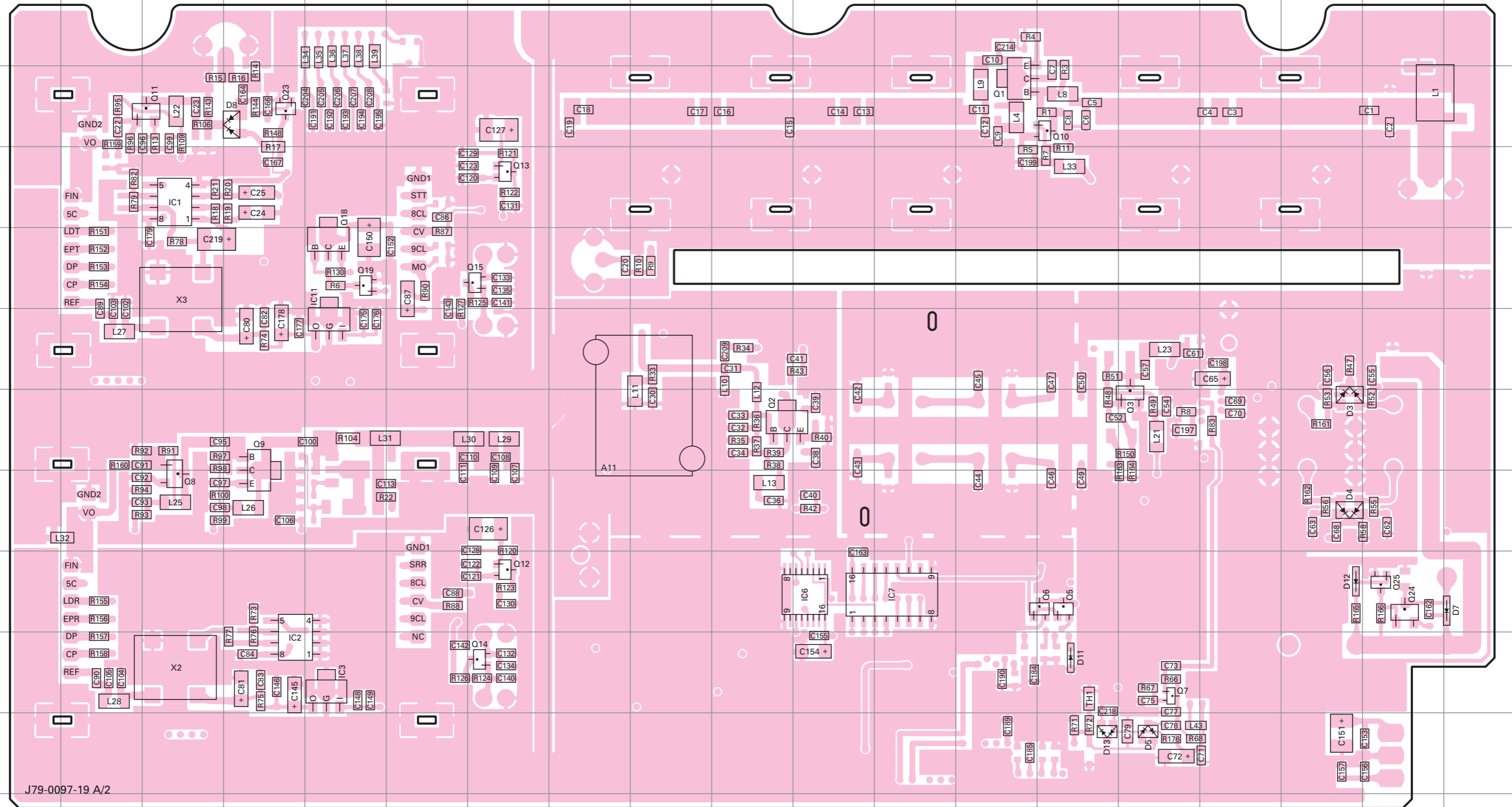


TKR-750 PC BOARD / PC板

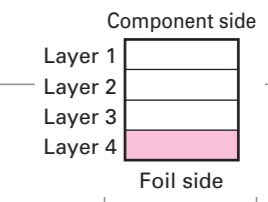
TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E
Foil side view (J79-0097-19 A/2)

PC BOARD / PC板 TKR-750

TX-RX UNIT (X57-695X-XX) (A/2) 0-11 : K,C 0-12 : K2,C2 2-70 : E
Foil side view (J79-0097-19 A/2)

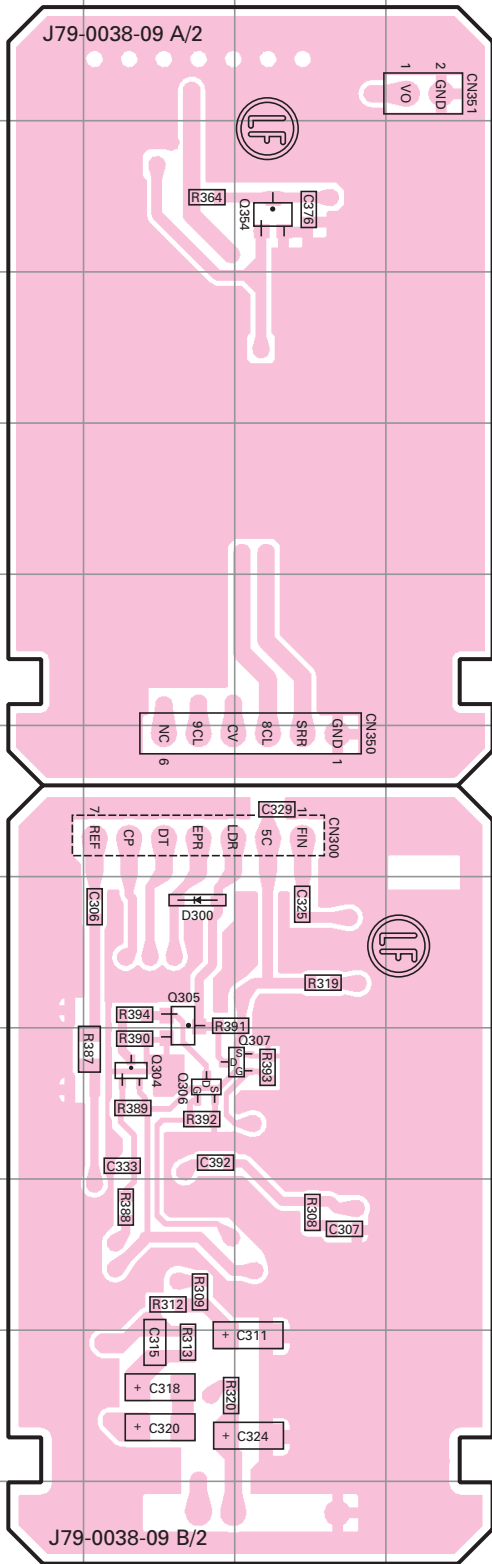


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	4C	Q1	3M	Q8	8C	Q14	10G	Q25	9R	D11	10N
IC2	10D	Q2	7J	Q9	7D	Q15	5G	D3	7Q	D12	9Q
IC3	10E	Q3	7O	Q10	3N	Q18	5E	D4	8Q	D13	11N
IC6	9K	Q5	9N	Q11	3C	Q19	5E	D5	11O		
IC7	9L	Q6	9N	Q12	9G	Q23	3D	D7	9S		
IC11	6E	Q7	10O	Q13	4G	Q24	9R	D8	3D		

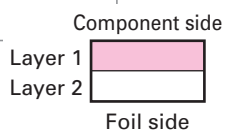


TKR-750 PC BOARD / PC板

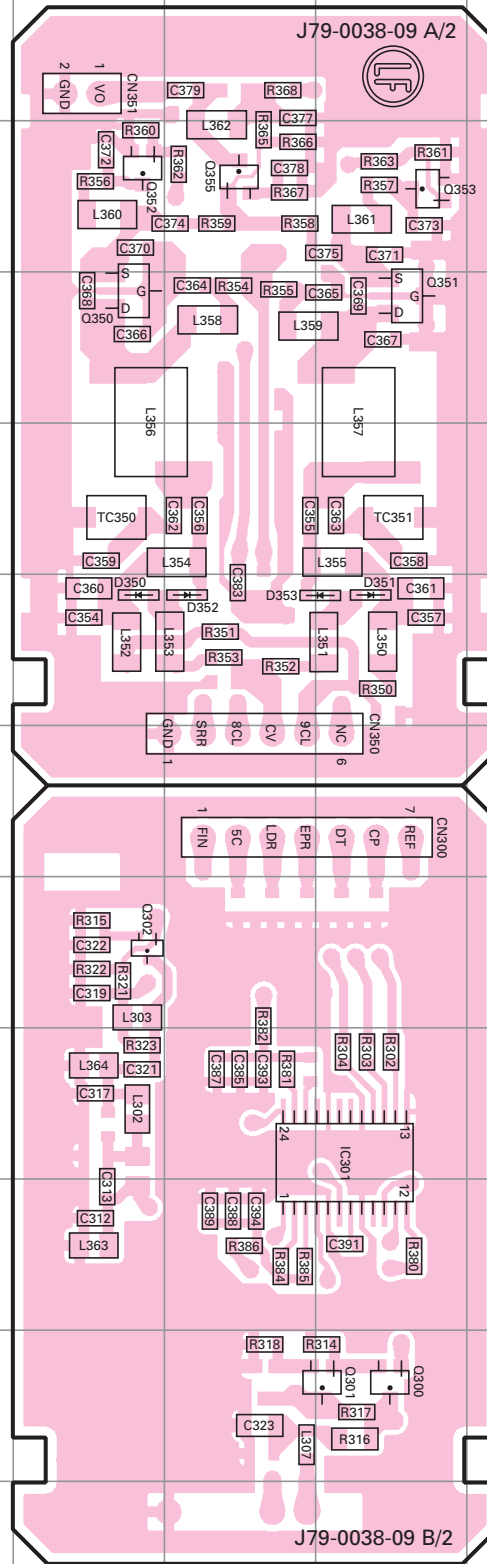
RX VCO UNIT (X58-4942-70)
Component side view (J79-0038-09)



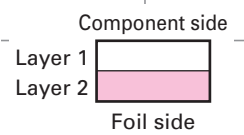
Ref. No.	Address
Q304	9B
Q305	8B
Q306	9B
Q307	9C
Q354	3C
D300	8B



RX VCO UNIT (X58-4942-70)
Foil side view (J79-0038-09)

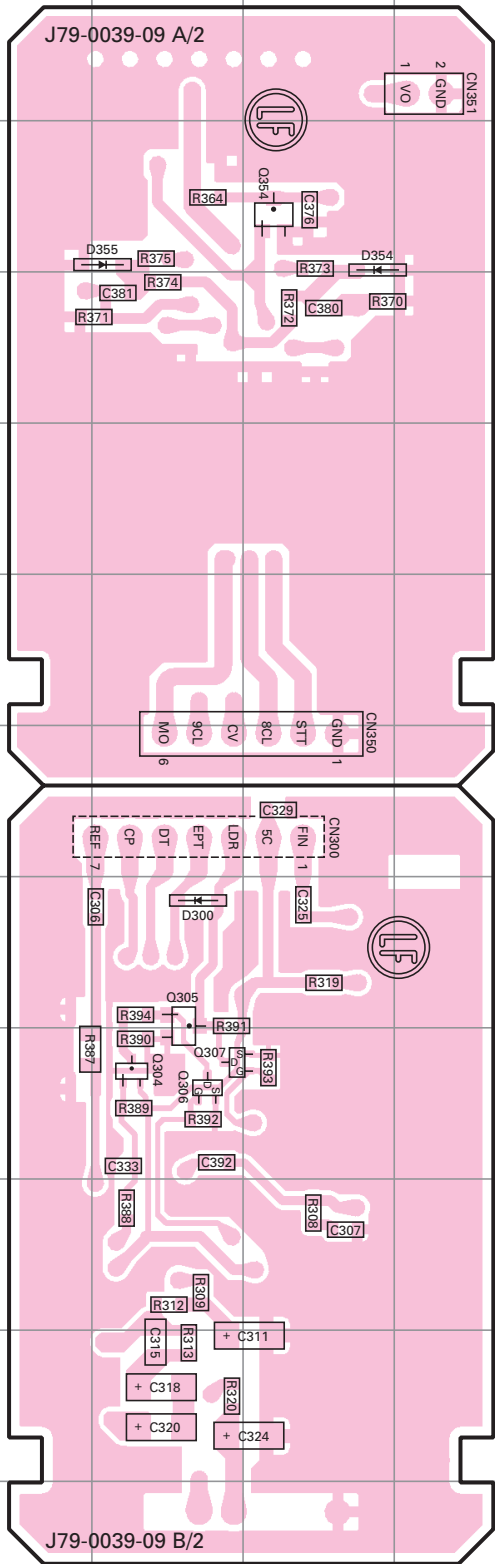


Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC301	9H	Q351	4H	D351	6H
Q300	11H	Q352	3F	D352	6G
Q301	11H	Q353	3H	D353	6H
Q302	8F	Q355	3G		
Q350	4F	D350	6F		

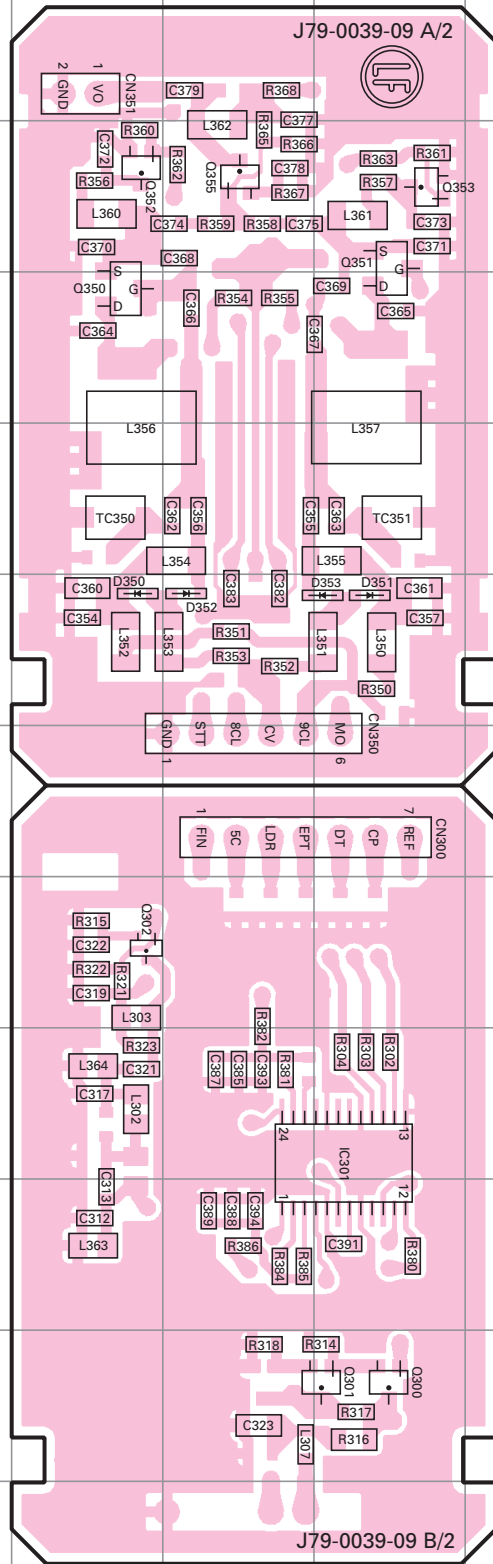


PC BOARD / PC板 TKR-750

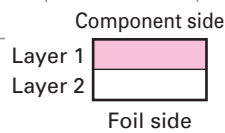
TX VCO UNIT (X58-4952-70)
Component side view (J79-0039-09)



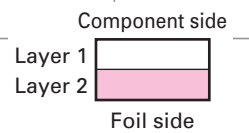
TX VCO UNIT (X58-4952-70)
Foil side view (J79-0039-09)



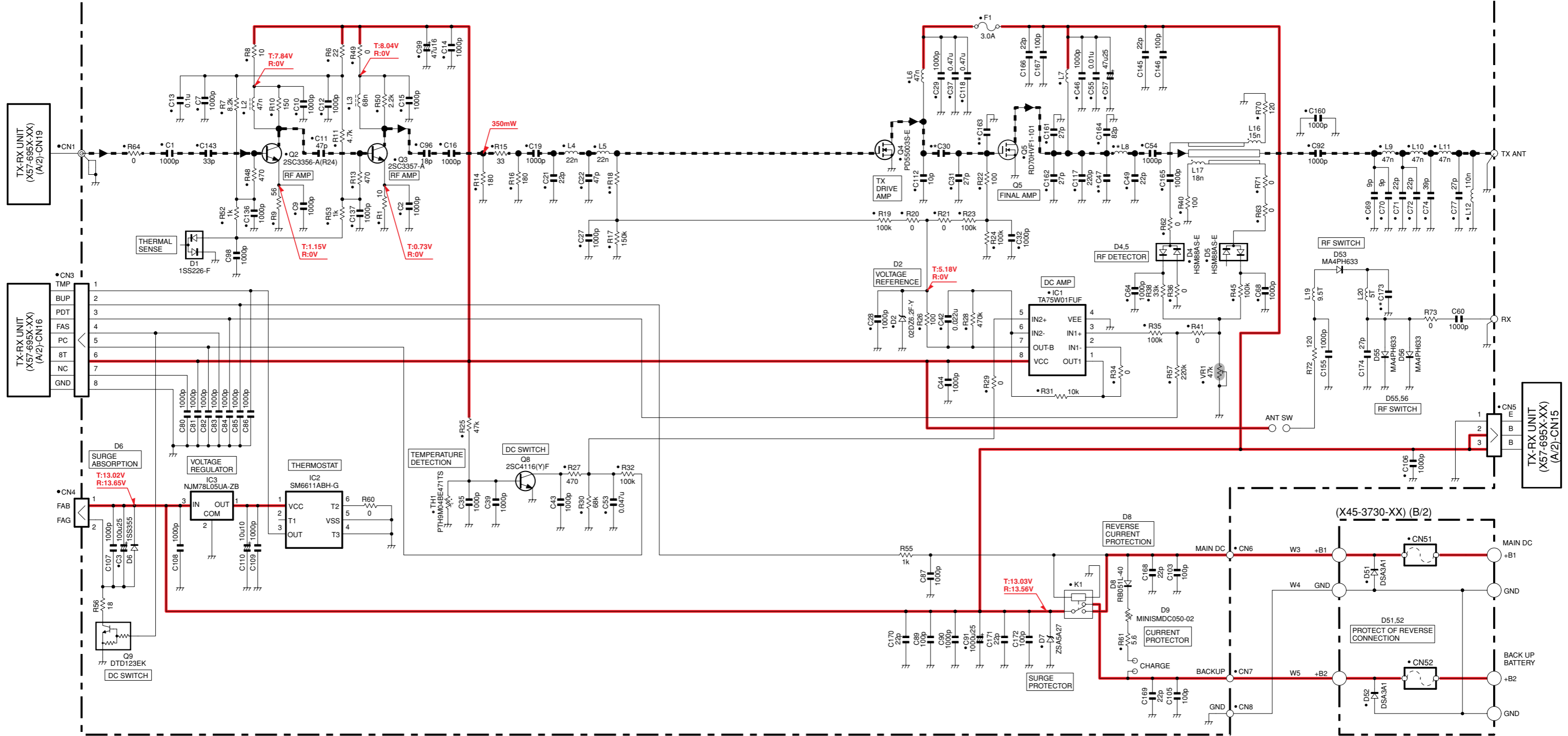
Ref. No.	Address	Ref. No.	Address
Q304	9B	Q354	3C
Q305	8B	D300	8B
Q306	9B	D354	3C
Q307	9B	D355	3B



Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC301	9H	Q351	3H	D351	6H
Q300	11H	Q352	3F	D352	6G
Q301	11H	Q353	3H	D353	6H
Q302	8F	Q355	3G		
Q350	4F	D350	6F		



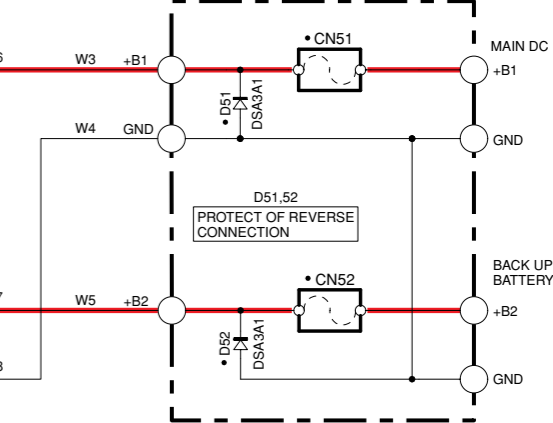
FINAL UNIT
(X45-3730-XX) (A/2)



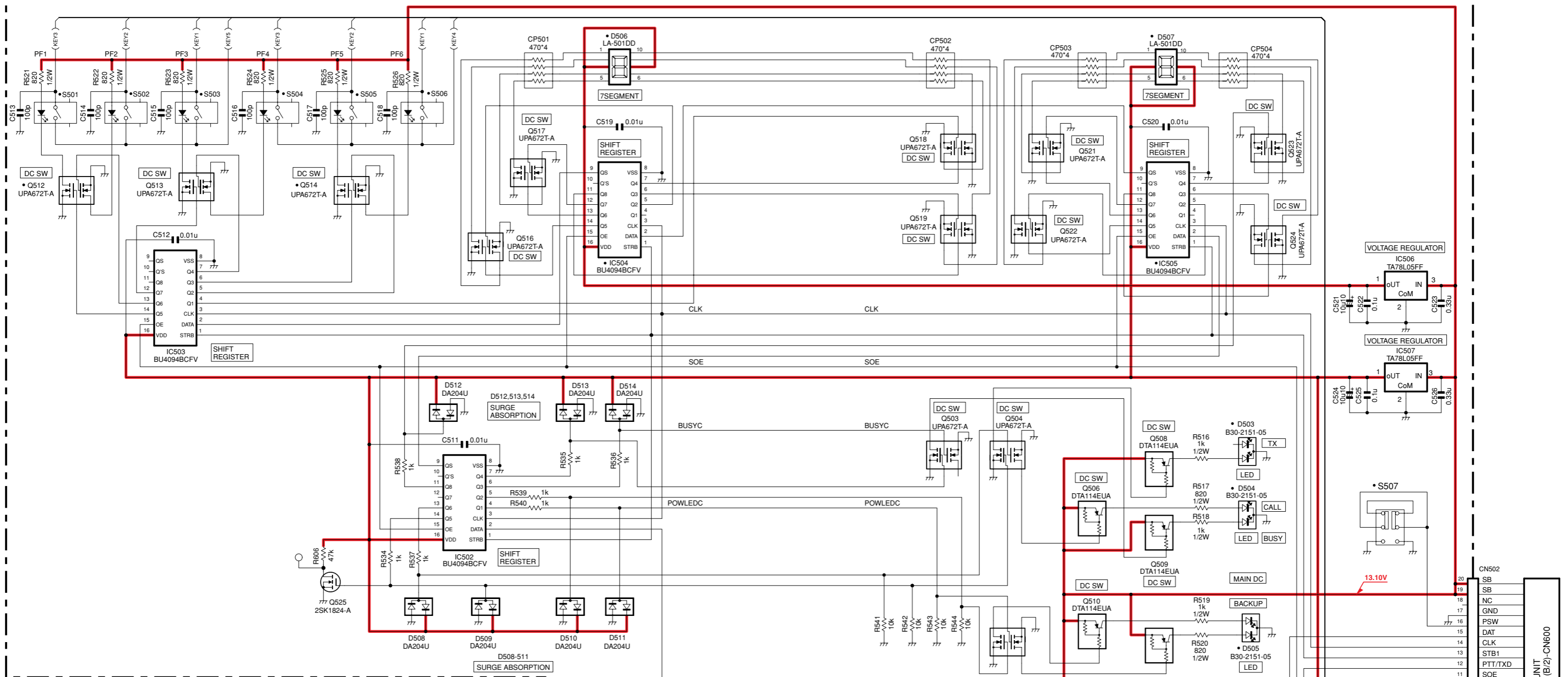
	X45-3730-XX	R18
-10	K,E,C	146-173MHz 100
-11	K2,C2	136-150MHz 47

	X45-3730-XX	C30	C47	C163	C173	L8
-10	K,E,C	146-173MHz	220p	NO	56p	18p 22n
-11	K2,C2	136-150MHz	120p	36p	68p	27p 15n

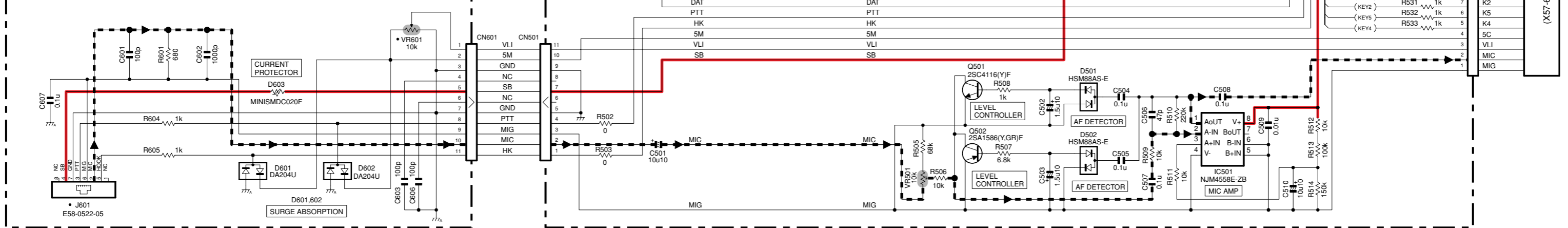
(X45-3730-XX) (B/2)

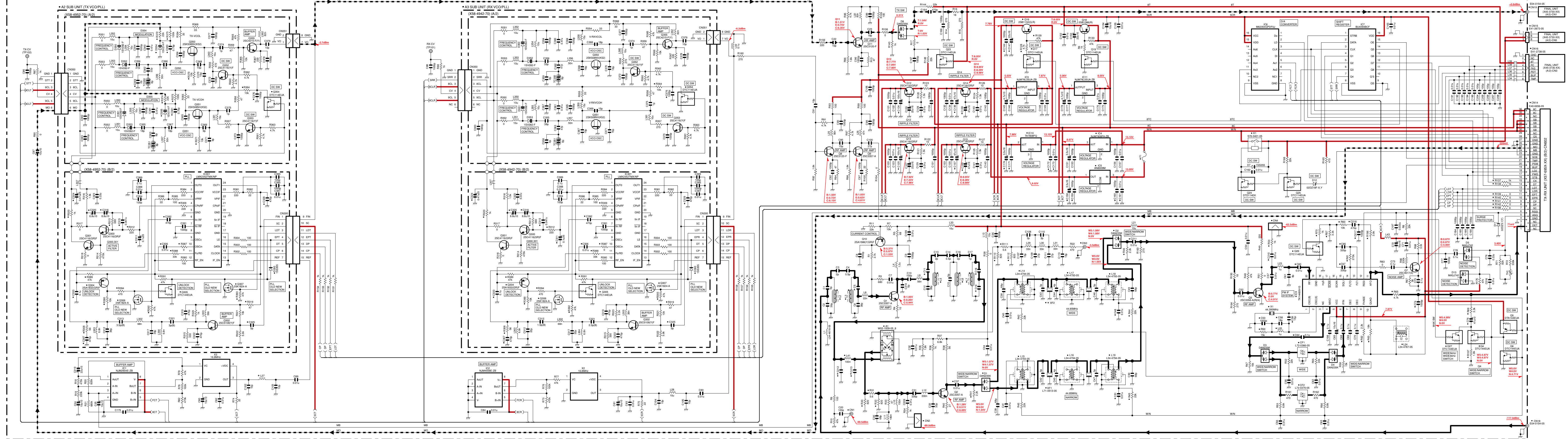


DISPLAY UNIT (X54-3580-20) (A/2)



DISPLAY UNIT (X54-3580-20) (B/2)

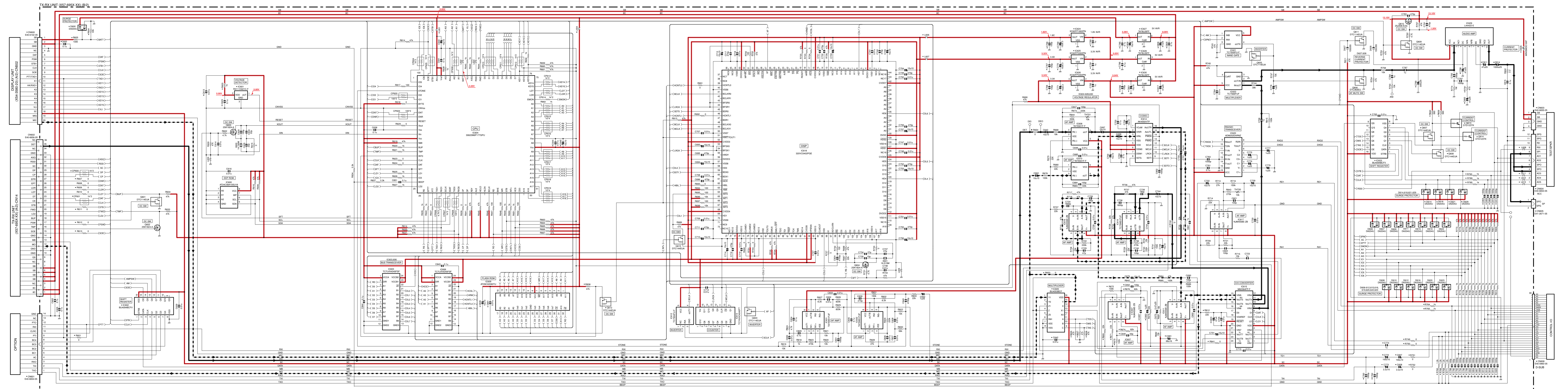




TX-RX UNIT

X57-695X-XX	L27
2-70	E 3.9u
0-11	K.C 3.9u
0-12	K2.C2 10u

X57-695X-XX	CS	C11	C18	C19	C22	C23	XF2
2-70	E	6P	6P	6P	18P	5P	L71-0827-05
0-11	K.C	6P	6P	6P	18P	5P	L71-0512-05
0-12	K2.C2	6P	6P	6P	22P	6P	L71-0512-05



- | | | |
|---|---------------------|---------------|
| A | : | N09-2292-05 |
| B | M2.6 x 6 | : N30-2606-48 |
| C | M4 x 6 | : N30-4006-48 |
| D | M4 x 14 | : N30-4014-48 |
| E | M4 x 20 BLK | : N30-4020-43 |
| F | M3 x 6 (F) | : N32-3006-48 |
| G | M4 x 8 (F) BLK | : N32-4008-43 |
| J | M3 x 6 (Bi) BLK | : N35-3006-43 |
| K | M4 x 6 (Bi) BLK | : N35-4006-43 |
| L | M3 x 8 | : N67-3008-48 |
| M | M2.6 x 8 BLK | : N80-2608-43 |
| N | M2.6 x 6 (Br-Tap) | : N87-2606-48 |
| O | M3 x 5 (Br-Tap) BLK | : N87-3005-43 |
| P | M3 x 6 (Br-Tap) | : N87-3006-48 |
| R | M3 x 14 (TP) | : N90-3014-48 |

