

SERVICE ASSEMBLIES
FOR M-RK RADIOS

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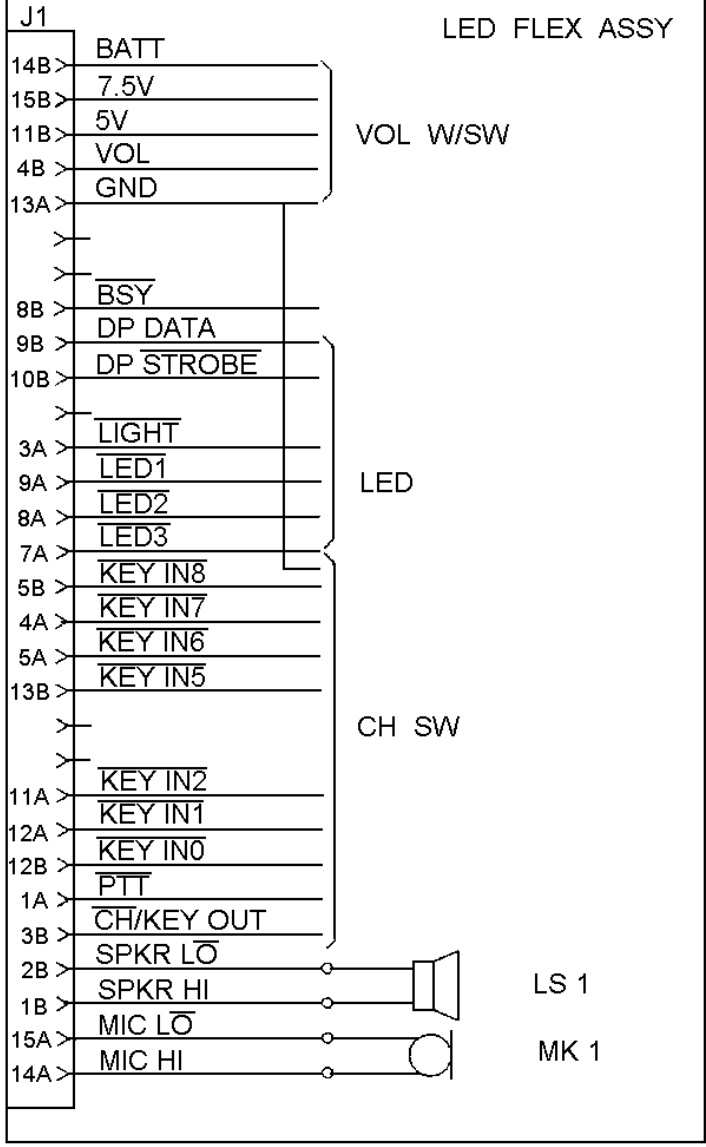
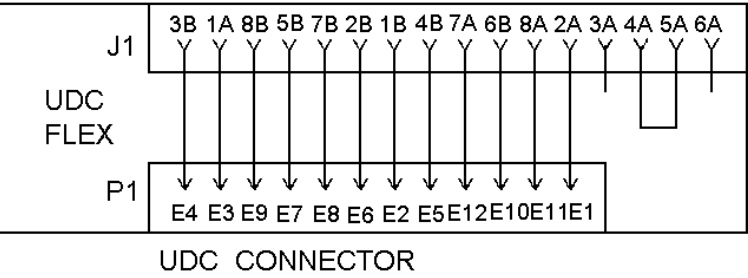
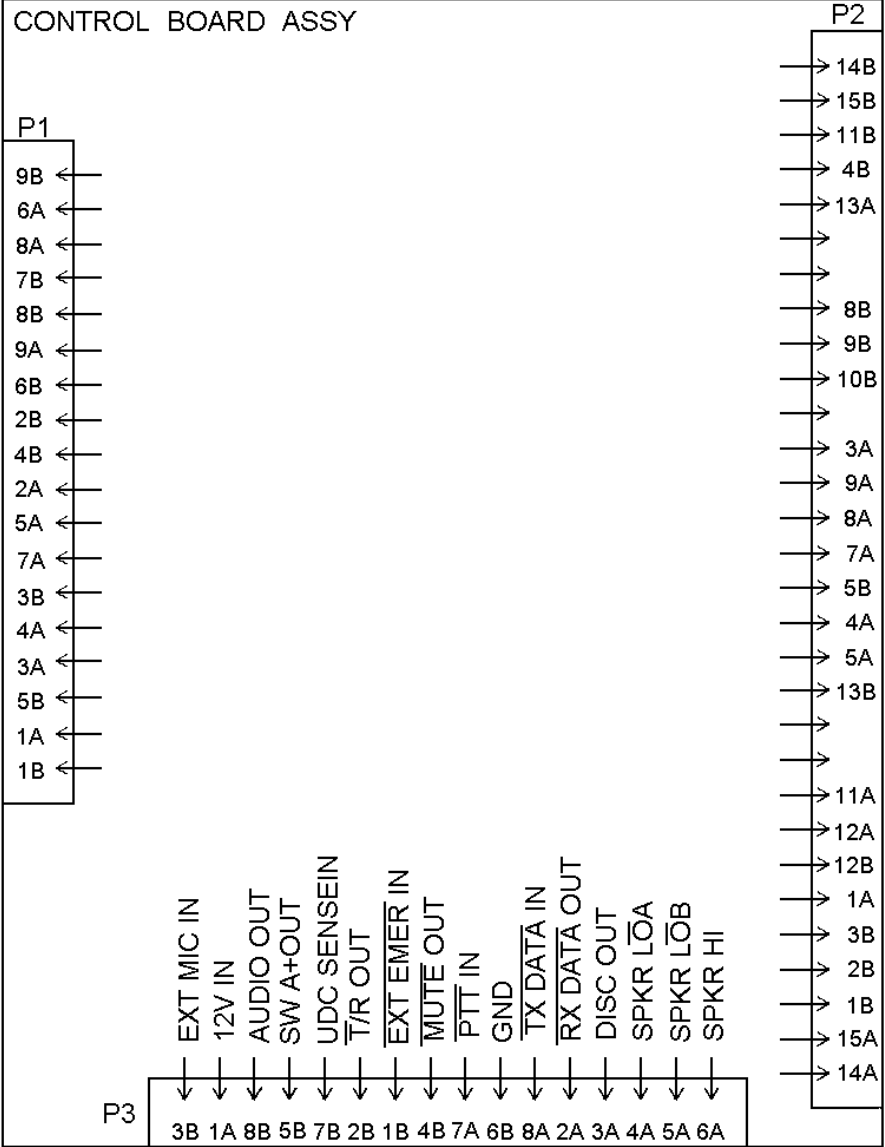
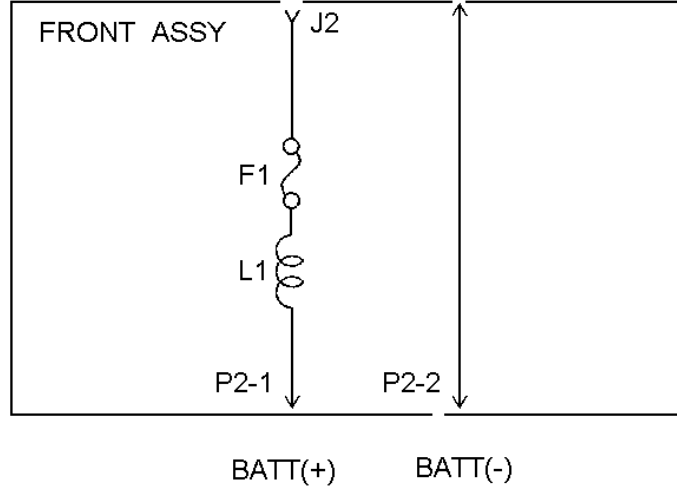
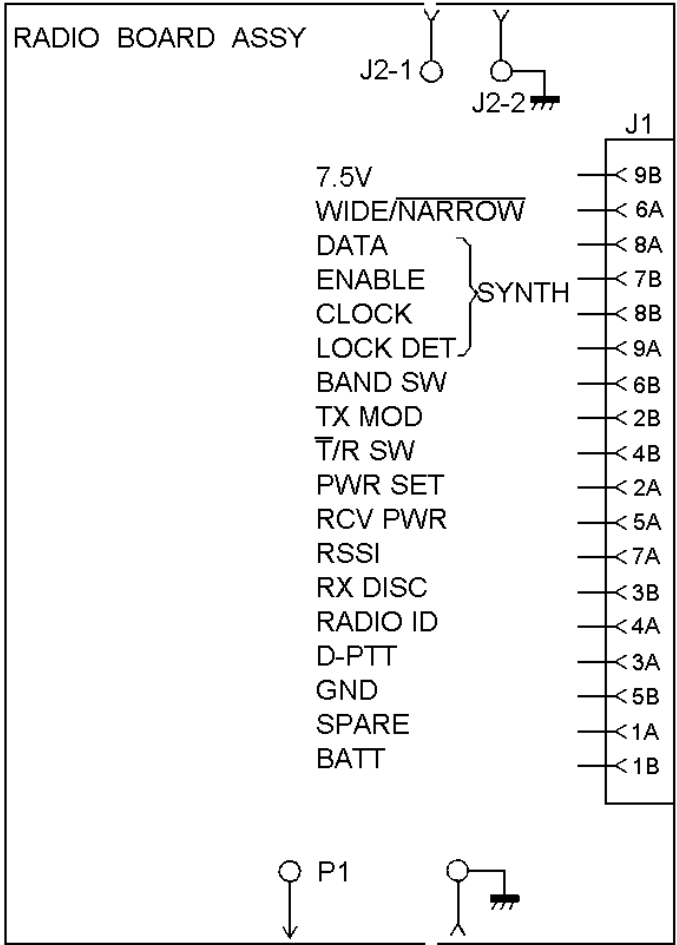
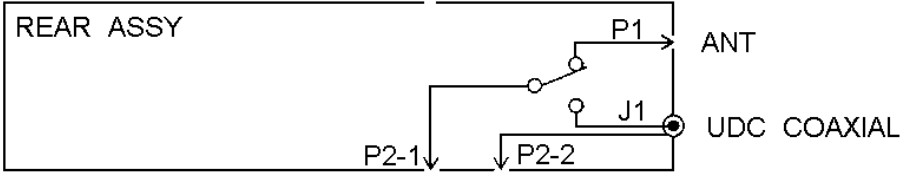
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Ericsson Inc.
Private Radio Systems
Mountain View Road
Lynchburg, Virginia 24502
1-800-528-7711 (Outside USA, 804-528-7711)

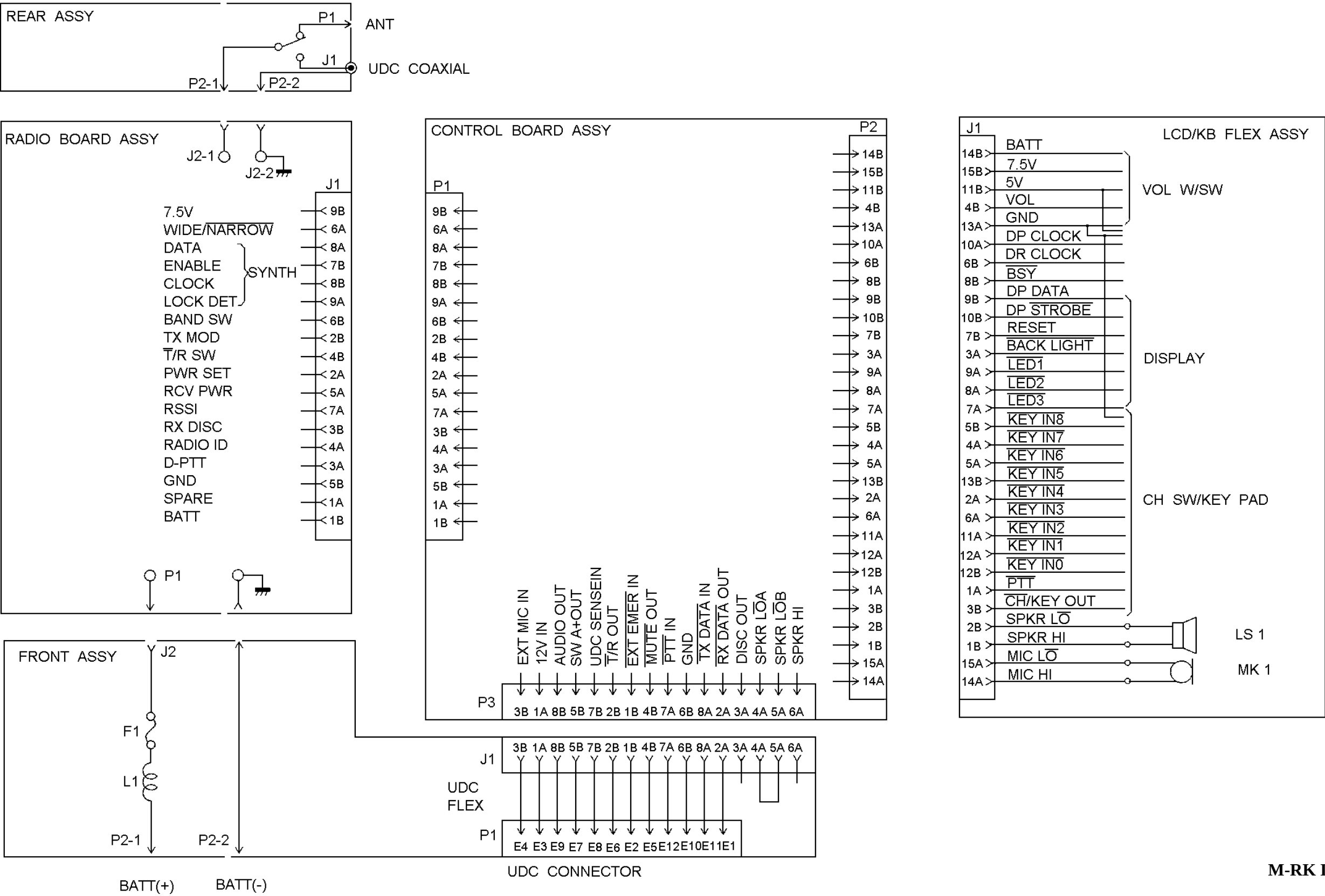
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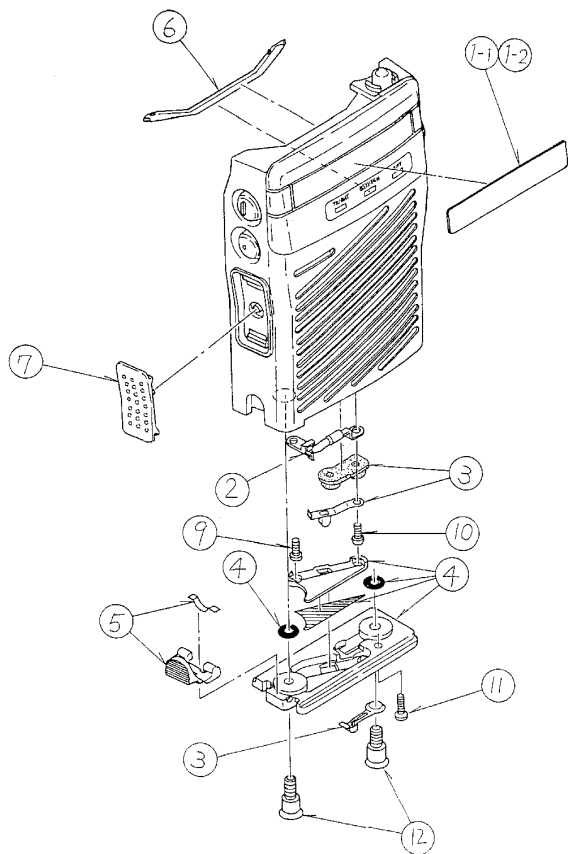
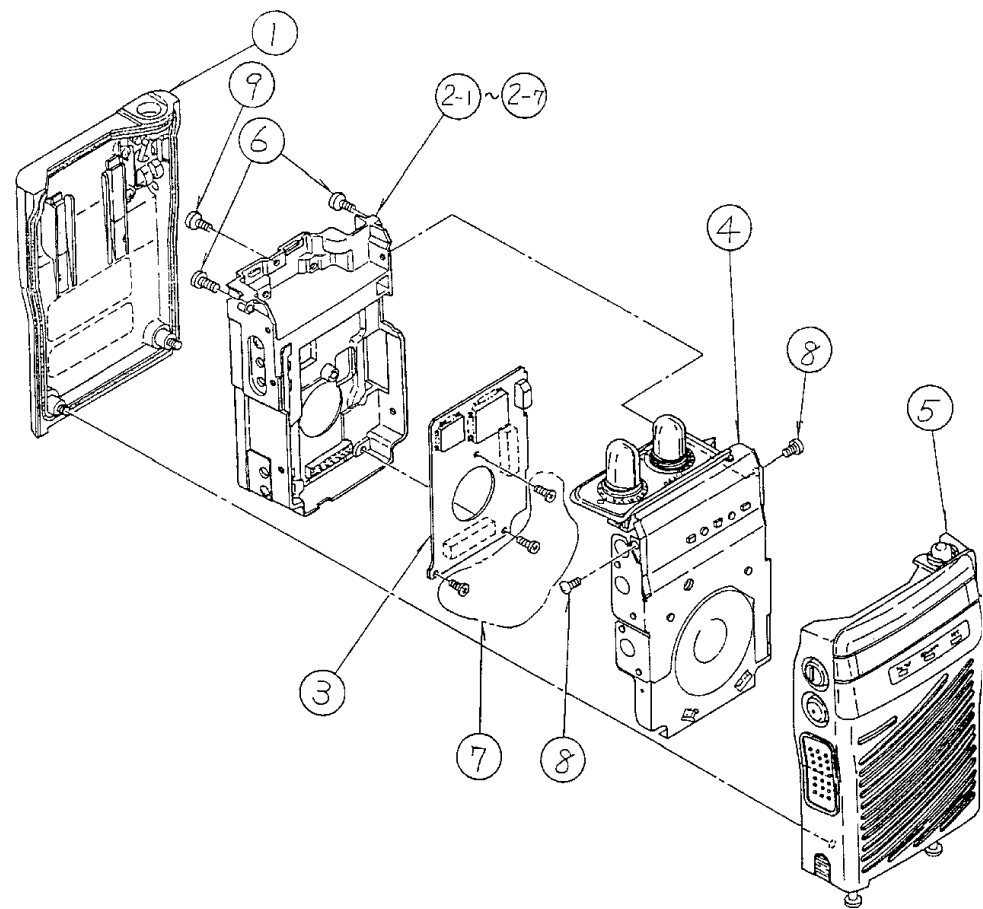
INTERCONNECTION DIAGRAM

LBI-38746



M-RK II

(A3WE05453, Rev. 2)



M-RK I

(A3WL16623, Rev. 2)

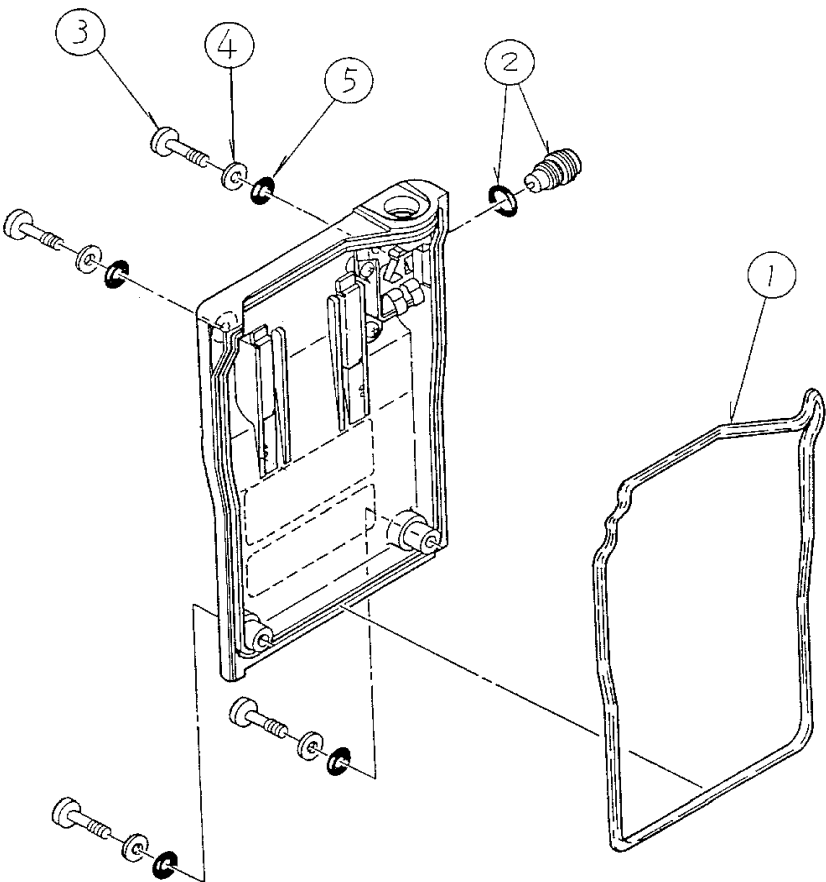
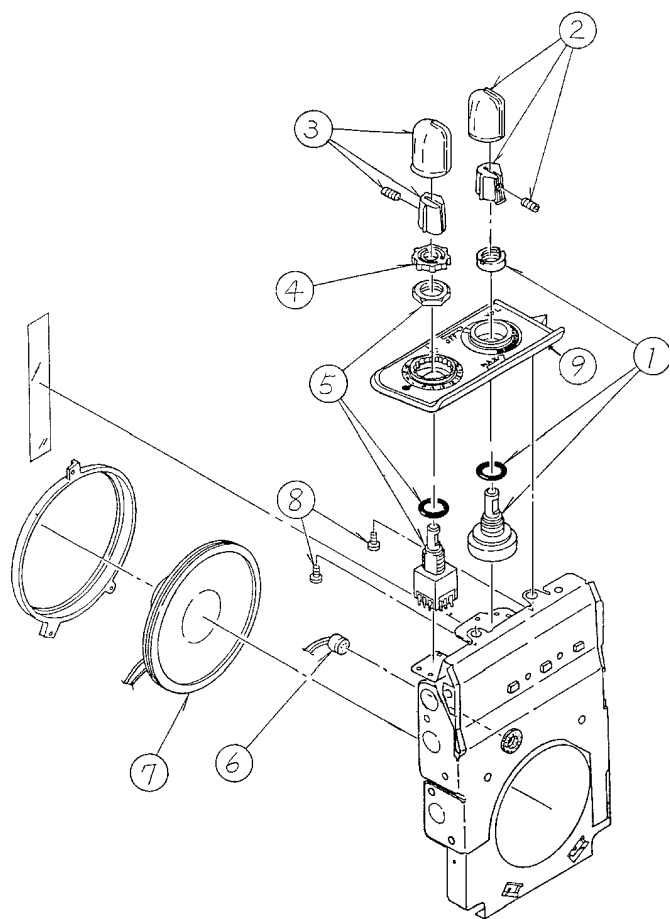
344A3937P1 ~ P7		
Symbol	Parts Number *	Description
1	AS00000032	REAR ASSY
2-1	AS00000115	RADIO BOARD ASSY 136 - 160 MHz
2-2	AS00000123	RADIO BOARD ASSY 150 - 174 MHz
2-3	AS00000131	RADIO BOARD ASSY 403 - 430 MHz
2-4	AS00000149	RADIO BOARD ASSY 440 - 470 MHz
2-5	AS00000156	RADIO BOARD ASSY 470 - 500 MHz
2-6	AS00000164	RADIO BOARD ASSY 806 - 869 MHz
2-7	AS00000172	RADIO BOARD ASSY 896 - 941 MHz
3	AS00000065	CONTROL BOARD ASSY
4	AS00000040	LED FLEX ASSY (M-RK I)
5	AS00000016	FRONT ASSY (M-RK I)
6	3NAX003096	PAN HEAD SCREW, M2x6
7	3NAX003146	PAN HEAD SCREW W/SW, M2x4
8	3NAX003088	PAN HEAD SCREW, M2x2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2x4, BLK

*Prefix with "K19/" when ordering replacement parts

M-RK I FRONT ASSEMBLY
K19/AS00000016

(A3WL16621, Rev. 3)

344A3937P1 ~ P7, P21 ~ P25, P41 ~ P46		
Symbol	Parts Number *	Description
1-1	3FOB004709	NAMEPLATE LABEL B (M-RK I) (GE)
1-2	3FOB004717	NAMEPLATE LABEL B (M-RK I) (ERICSSON)
2	AS00000446	FUSE W/BEAD, LUG A, LUG B
3	AS00000339	BATTERY CONTACTS W/SUPPORT
4	AS00000321	BATTERY BASEPLATE W/INSULATOR/GASKET/TAPE
5	AS00000305	LATCH W/SPRING
6	3FED001838	FRONT GASKET
7	3FZA024554	PTT LEVER
9	3NAX003088	PAN HEAD SCREW, M2x2
10	3NAX003120	PAN HEAD TAPPING SCREW, M2x3.5
11	3NAX003187	PAN HEAD TORX SCREW, M2x3.5
12	3NAX003179	FLAT HEAD TORX SCREW, M3x12



344A3937P11 ~ P17, P31 ~ P35, P61 ~ P67		
Symbol	Parts Number *	Decription
1	2RFA001258	VOL W/NUT/O-RING
2	AS00000297	VOL KNOB W/STOPPER/SCREW
3	AS00000299	CH KNOB W/STOPPER/SCREW
4	3FZA025502	CH SWITCH STOPPER
5-1	2KHA022166	CH SWITCH W/NUT/O-RING (TO ASSY REV. B)
5-2	2KOB036301	CH SWITCH W/NUT/O-RING (FROM ASSY REV. C)
6	AS00000453	MICROPHONE W/CAPACITOR
7	2SOB000192	SPEAKER
8	3NAX003120	PAN HEAD TAPPING SCREW, M2x3.5
9	AS00000370	TOP PANEL W/LABEL

*Prefix with "K19/" when ordering replacement parts

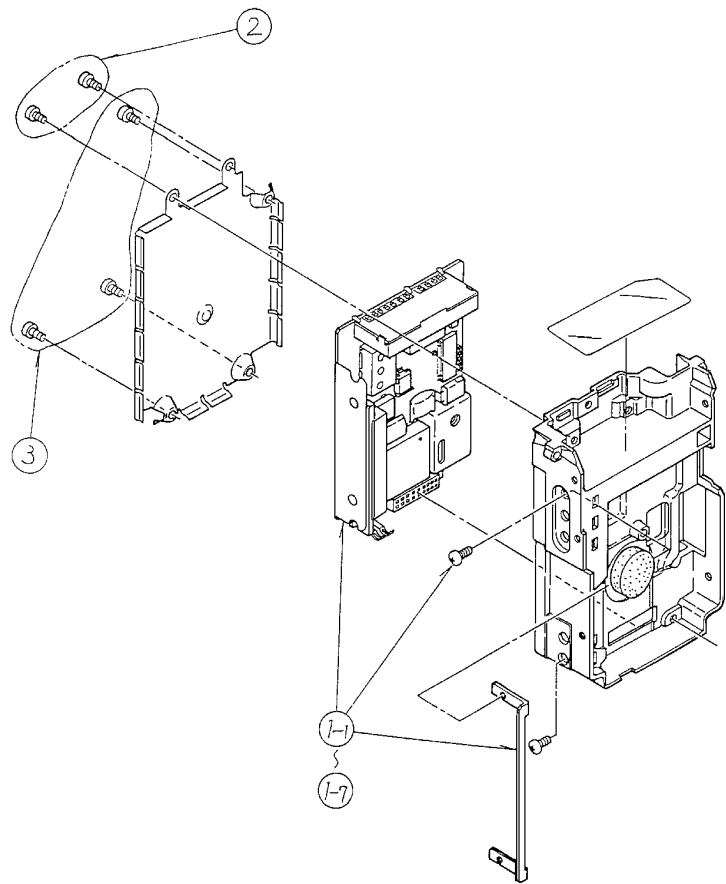
344A3937P1 ~ P7, P11 ~ P17, P21 ~ P25, P31 ~ P35, P41 ~ P46, P51 ~ P56 P61 ~ P67, P71 ~ P76		
Symbol	Parts Number *	Decription
1	3FE0001846	REAR O-RING GASKET
2	AS00000206	UDC RF CONNECTOR W/O-RING
3	3NAX003161	PAN HEAD TORX SCREW, M2.6x10
4	3NDX001631	WASHER
5	3FE001853	O-RING A

M-RK I LED FLEX ASSEMBLY

(A3WL16622, Rev. 5)

M-RK I/II/SCAN
REAR ASSEMBLY

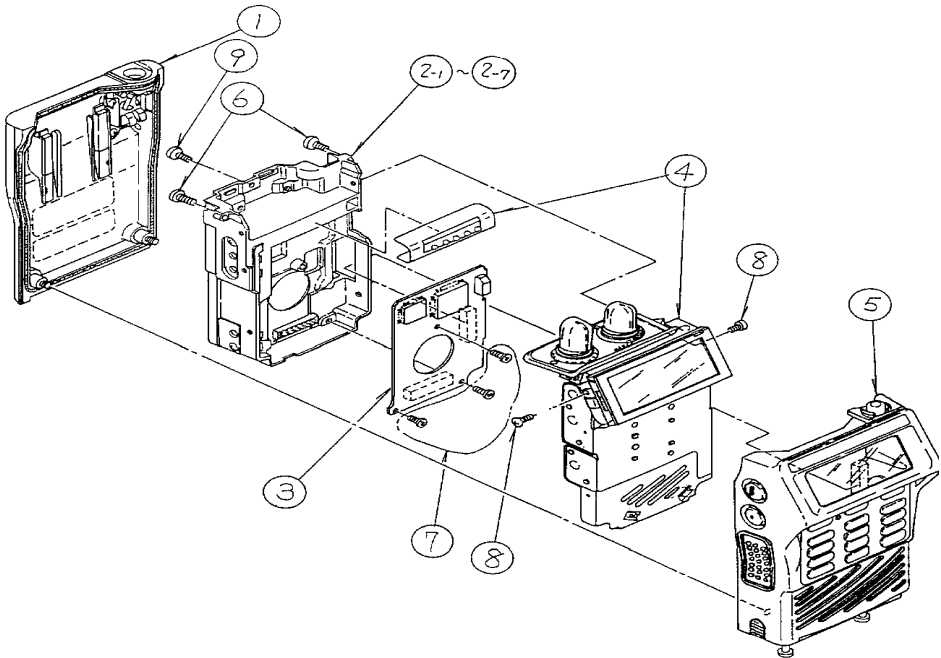
(A3WL16520, Rev. 4)



344A3937P1 ~ P7, P11 ~ P17, P21 ~ P25, P31 ~ P35, P61 ~ P67		
Symbol	Parts Number *	Decription
1-1	AS00000214	PA MODULE (VL) W/RETAINER/SCREWS
1-2	AS00000222	PA MODULE (VH) W/RETAINER/SCREWS
1-3	AS00000230	PA MODULE (UL) W/RETAINER/SCREWS
1-4	AS00000248	PA MODULE (UM) W/RETAINER/SCREWS
1-5	AS00000255	PA MODULE (UH) W/RETAINER/SCREWS
1-6	AS00000263	PA MODULE (800) W/RETAINER/SCREWS
1-7	AS00000271	PA MODULE (900) W/RETAINER/SCREWS
2	3NAX003088	PAN HEAD SCREW, M2x2
3	3NAX003146	PAN HEAD SCREW W/SW, M2x4

M-RK I/II/SCAN
PA ASSEMBLY

(A3WL16521, Rev. 4)

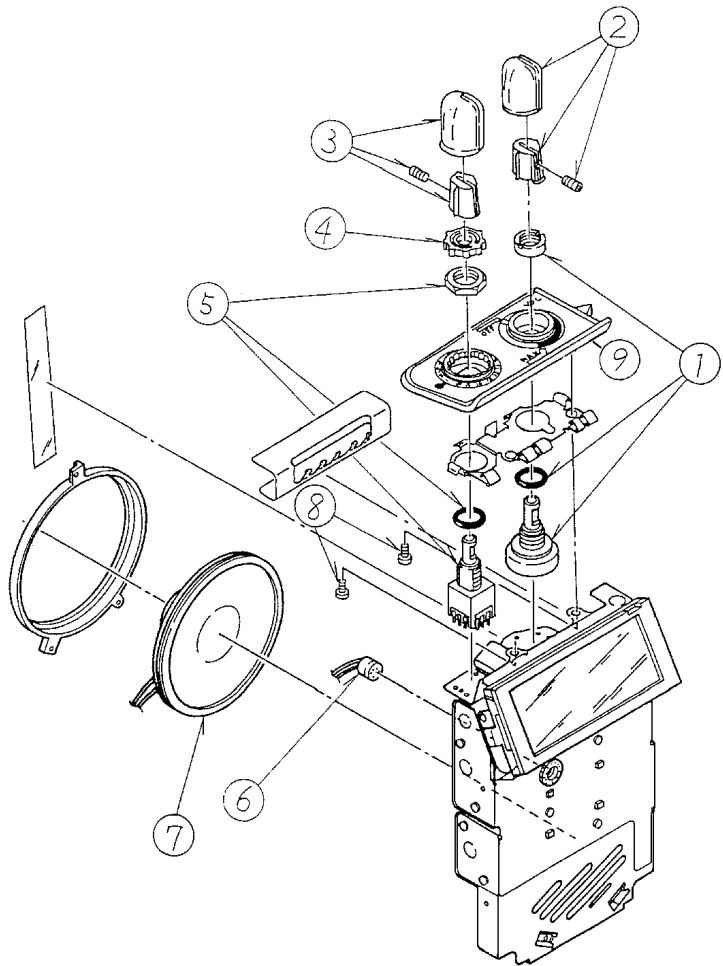
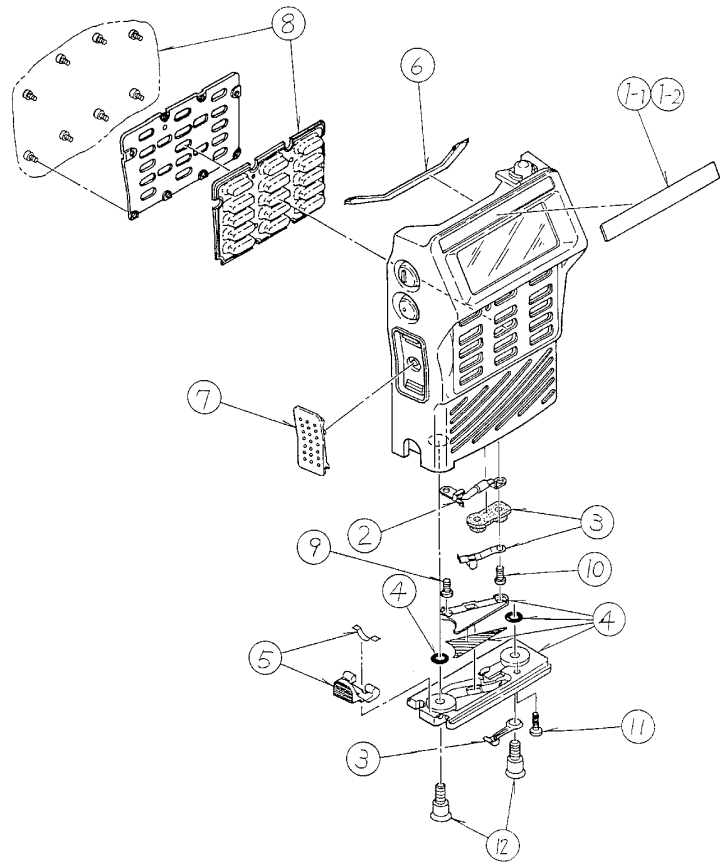


344A3937P11 ~ P17		
Symbol	Parts Number *	Description
1	AS00001154	REAR ASSY
2-1	AS00000115	RADIO BOARD ASSY 136 - 160 MHz
2-2	AS00000123	RADIO BOARD ASSY 150 - 174 MHz
2-3	AS00000131	RADIO BOARD ASSY 403 - 430 MHz
2-4	AS00000149	RADIO BOARD ASSY 440 - 470 MHz
2-5	AS00000156	RADIO BOARD ASSY 470 - 500 MHz
2-6	AS00000164	RADIO BOARD ASSY 806 - 869 MHz
2-7	AS00000172	RADIO BOARD ASSY 896 - 941 MHz
3	AS00000065	CONTROL BOARD ASSY
4	AS00000057	LCD/KB FLEX ASSY (M-RK II/SCAN)
5	AS00000024	FRONT ASSY (M-RK II)
6	3NAX003096	PAN HEAD SCREW, M2x6
7	3NAX003146	PAN HEAD SCREW W/SW, M2x4
8	3NAX003088	PAN HEAD SCREW, M2x2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2x4, BLK

M-RK II

(A3WL16550, Rev. 3)

*Prefix with "K19/" when ordering replacement parts



344A3937P11 ~ P17, P31 ~ P35, P51 ~ P56		
Symbol	Parts Number *	Decription
1-1	3FHA030510	NAMEPLATE LABEL A (M-RK II/SCAN) (GE)
1-2	3FHA033563	NAMEPLATE LABEL A (M-RK II/SCAN) (ERICSSON)
2	AS00000446	FUSE W/BEAD, LUG A, LUG B
3	AS00000339	BATTERY CONTACTS W/SUPPORT
4	AS00000321	BATTERY BASEPLATE W/INSULATOR/GASKET/ TAPE
5	AS00000305	LATCH W/SPRING
6	3FED001838	FRONT GASKET
7	3FZA024554	PTT LEVER
8	AS00000313	KEYPAD W/SCREWS
9	3NAX003088	PAN HEAD SCREW, M2x2
10	3NAX003120	PAN HEAD TAPPING SCREW, M2x3.5
11	3NAX003187	PAN HEAD TORX SCREW, M2x3.5
12	3NAX003179	FLAT HEAD TORX SCREW, M3x12

*Prefix with "K19/" when ordering replacement parts

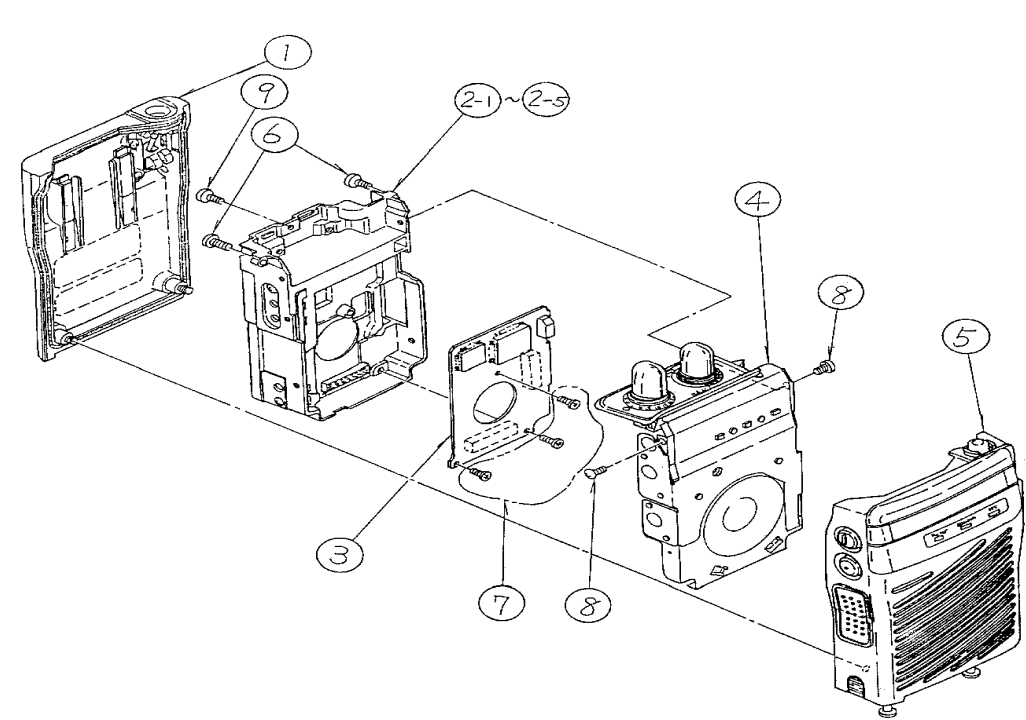
M-RK II FRONT ASSEMBLY
K19/AS00000024

(A3WL16523, Rev. 3)

344A3937P11 ~ P17, P31 ~ P35, P61 ~ P67		
Symbol	Parts Number *	Decription
1	2RFA001258	VOL W/NUT/O-RING
2	AS00000297	VOL KNOB W/STOPPER/SCREW
3	AS00000289	CH KNOB W/STOPPER/SCREW
4	3FZA025502	CH SWITCH STOPPER
5-1	2KHA022166	CH SWITCH W/NUT/O-RING (TO ASSY REV. B)
5-2	2KOB036301	CH SWITCH W/NUT/O-RING (FROM ASSY REV. C)
6	AS00000453	MICROPHONE W/CAPACITOR
7	2SOB000192	SPEAKER
8	3NAX003120	PAN HEAD TAPPING SCREW, M2x3.5
9	AS00000370	TOP PANEL W/LABEL

M-RK II/SCAN
LCD/KB FLEX ASSEMBLY
K19/AS00000057

(A3WL16522, Rev. 6)

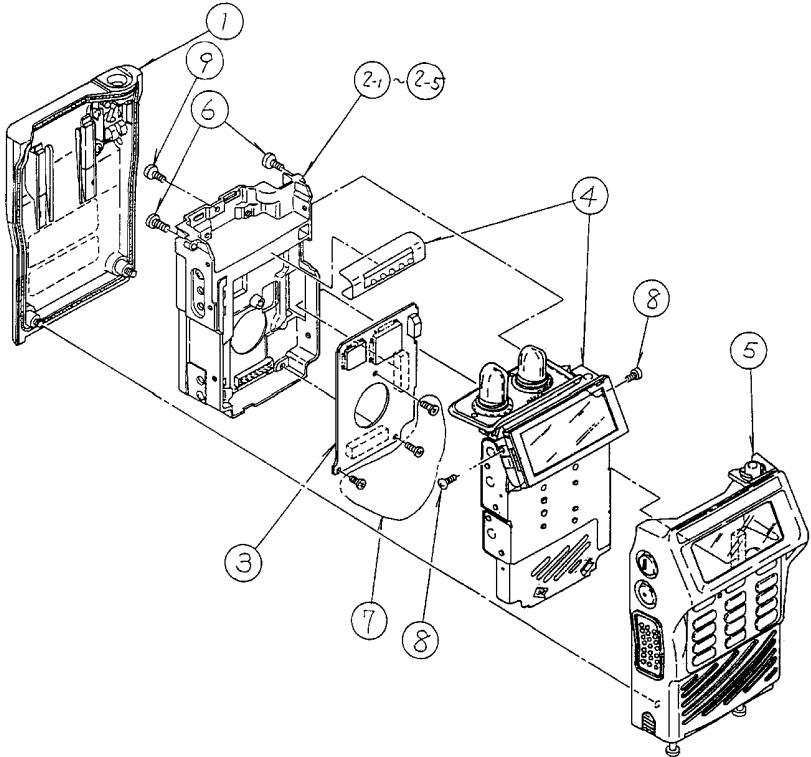


344A3937P21 ~ P25		
Symbol	Parts Number *	Description
1	AS00000032	REAR ASSY
2-1	AS00001014	RADIO BOARD ASSY 136 - 160 MHz
2-2	AS00001022	RADIO BOARD ASSY 150 - 174 MHz
2-3	AS00001030	RADIO BOARD ASSY 403 - 430 MHz
2-4	AS00001048	RADIO BOARD ASSY 440 - 470 MHz
2-5	AS00001055	RADIO BOARD ASSY 470 - 500 MHz
3	AS00000065	CONTROL BOARD ASSY
4	AS00000040	LED FLEX ASSY (M-RK I)
5	AS00000016	FRONT ASSY (M-RK I)
6	3NAX003096	PAN HEAD SCREW, M2x6
7	3NAX003146	PAN HEAD SCREW W/SW, M2x4
8	3NAX003088	PAN HEAD SCREW, M2x2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2x4, BLK

*Prefix with "K19/" when ordering replacement parts

M-RK I ETS

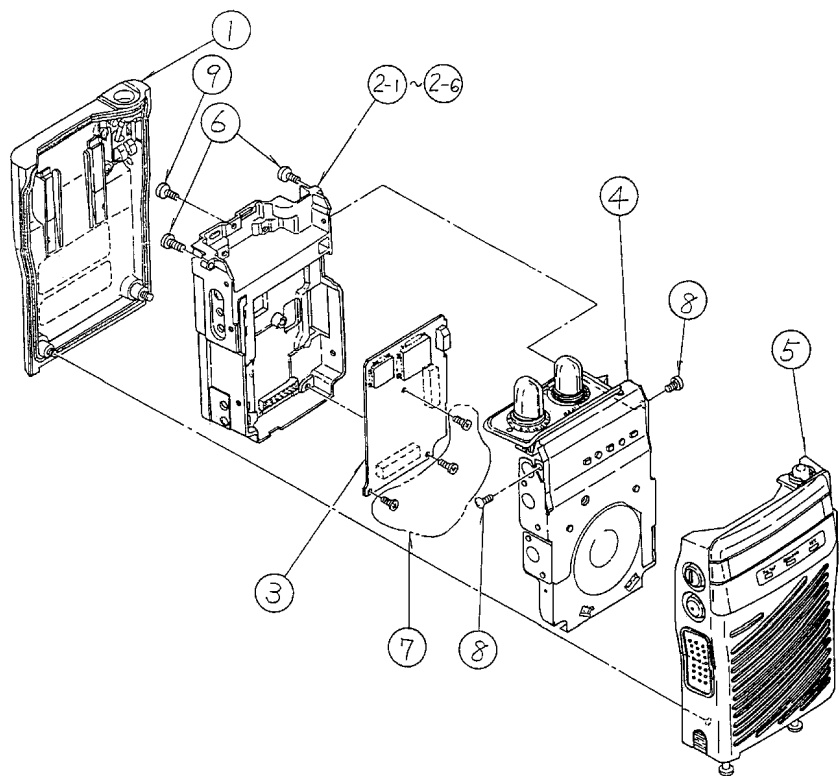
(A3WL17788, Rev. 0)



344A3937P31 ~ P35		
Symbol	Parts Number *	Description
1	AS00001154	REAR ASSY
2-1	AS00001014	RADIO BOARD ASSY 136 - 160 MHz
2-2	AS00001022	RADIO BOARD ASSY 150 - 174 MHz
2-3	AS00001030	RADIO BOARD ASSY 403 - 430 MHz
2-4	AS00001048	RADIO BOARD ASSY 440 - 470 MHz
2-5	AS00001055	RADIO BOARD ASSY 470 - 500 MHz
3	AS00000065	CONTROL BOARD ASSY
4	AS00000057	LED FLEX ASSY (M-RK II/SCAN)
5	AS00000024	FRONT ASSY (M-RK II)
6	3NAX003096	PAN HEAD SCREW, M2x6
7	3NAX003146	PAN HEAD SCREW W/SW, M2x4
8	3NAX003088	PAN HEAD SCREW, M2x2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2x4, BLK

M-RK II ETS

(A3WL17789, Rev. 2)

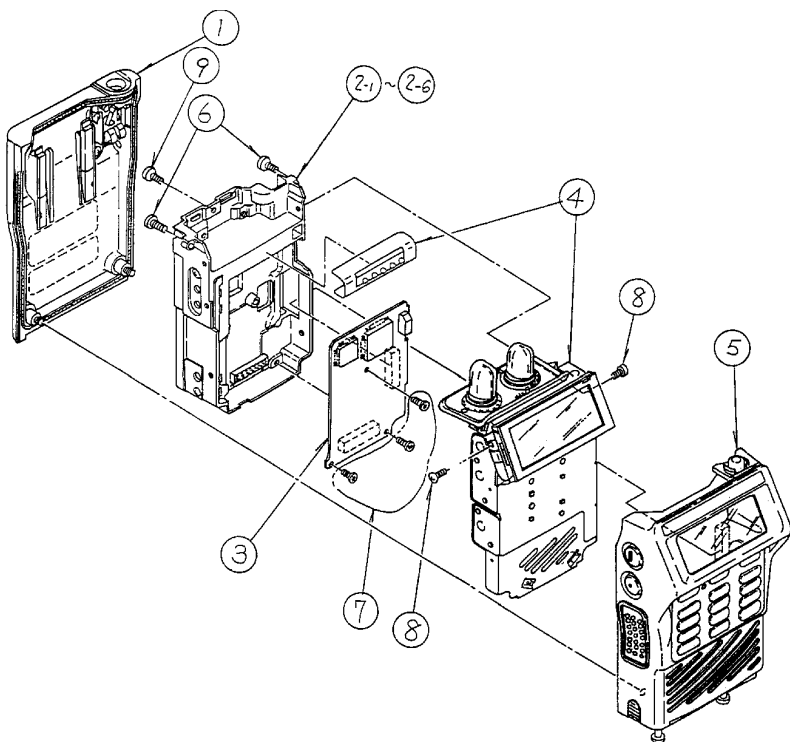


344A3937P41 ~ P46		
Symbol	Parts Number *	Description
1	AS00000032	REAR ASSY
2-1	AS00001063	RADIO BOARD ASSY 136 - 160 MHz
2-2	AS00001071	RADIO BOARD ASSY 150 - 174 MHz
2-3	AS00001089	RADIO BOARD ASSY 403 - 430 MHz
2-4	AS00001097	RADIO BOARD ASSY 440 - 470 MHz
2-5	AS00001105	RADIO BOARD ASSY 470 - 500 MHz
2-6	AS00001113	RADIO BOARD ASSY 806 - 869 MHz
3	AS00001147	CONTROL BOARD ASSY
4	AS00001121	LED FLEX ASSY (M-RK I)
5	AS00000016	FRONT ASSY (M-RK I)
6	3NAX003096	PAN HEAD SCREW, M2x6
7-1	3NAX003146	PAN HEAD SCREW W/SW, M2x4
7-2	3NAA425468	BIND SCREW, M2x5
8	3NAX003088	PAN HEAD SCREW, M2x2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2x4, BLK

*Prefix with "K19/" when ordering replacement parts

M-RK I ETS/AEGIS

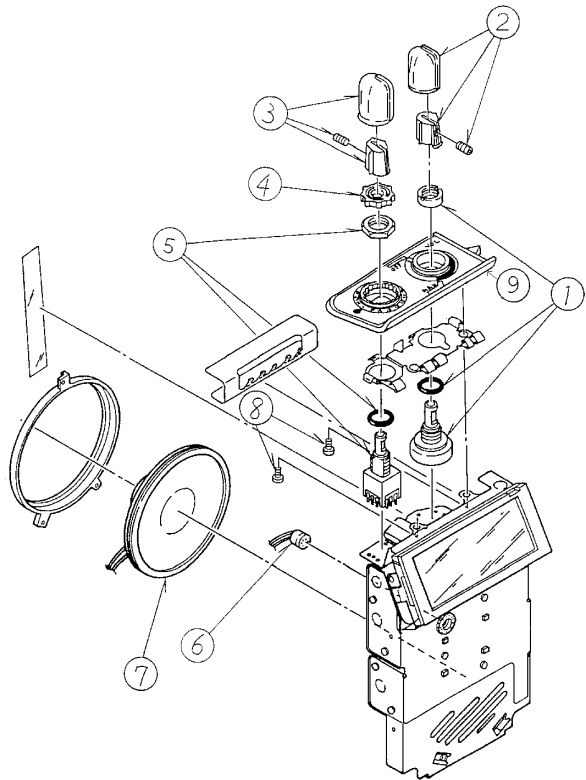
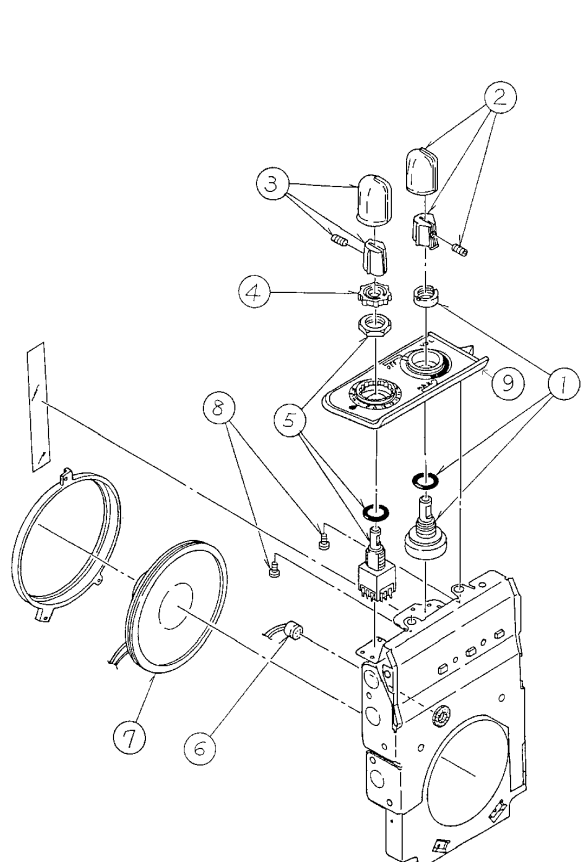
(A3WL17790, Rev. 1)



344A3937P51 ~ P56		
Symbol	Parts Number *	Description
1	AS00001154	REAR ASSY
2-1	AS00001063	RADIO BOARD ASSY 136 - 160 MHz
2-2	AS00001071	RADIO BOARD ASSY 150 - 174 MHz
2-3	AS00001089	RADIO BOARD ASSY 403 - 430 MHz
2-4	AS00001097	RADIO BOARD ASSY 440 - 470 MHz
2-5	AS00001105	RADIO BOARD ASSY 470 - 500 MHz
2-6	AS00001113	RADIO BOARD ASSY 806 - 869 MHz
3	AS00001147	CONTROL BOARD ASSY
4	AS00001139	LCD/KB FLEX ASSY (M-RK II/SCAN)
5	AS00000024	FRONT ASSY (M-RK II)
6	3NAX003096	PAN HEAD SCREW, M2x6
7-1	3NAX003146	PAN HEAD SCREW W/SW, M2x4
7-2	3NAA425468	BIND SCREW, M2x5
8	3NAX003088	PAN HEAD SCREW, M2x2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2x4, BLK

M-RK II ETS/AEGIS

(A3WL17791, Rev. 2)



344A3937P11 ~ P17, P31 ~ P35, P61 ~ P67		
Symbol	Parts Number *	Decription
1	2RFA001258	VOL W/NUT/O-RING
2	AS00000297	VOL KNOB W/STOPPER/SCREW
3	AS00000289	CH KNOB W/STOPPER/SCREW
4	3FZA025502	CH SWITCH STOPPER
5-1	2KHA022166	CH SWITCH W/NUT/O-RING (TO ASSY REV. B)
5-2	2KOB036301	CH SWITCH W/NUT/O-RING (FROM ASSY REV. C)
6	AS00000453	MICROPHONE W/CAPACITOR
7	2SOB000192	SPEAKER
8	3NAX003120	PAN HEAD TAPPING SCREW, M2x3.5
9	AS00000370	TOP PANEL W/LABEL

*Prefix with "K19/" when ordering replacement parts

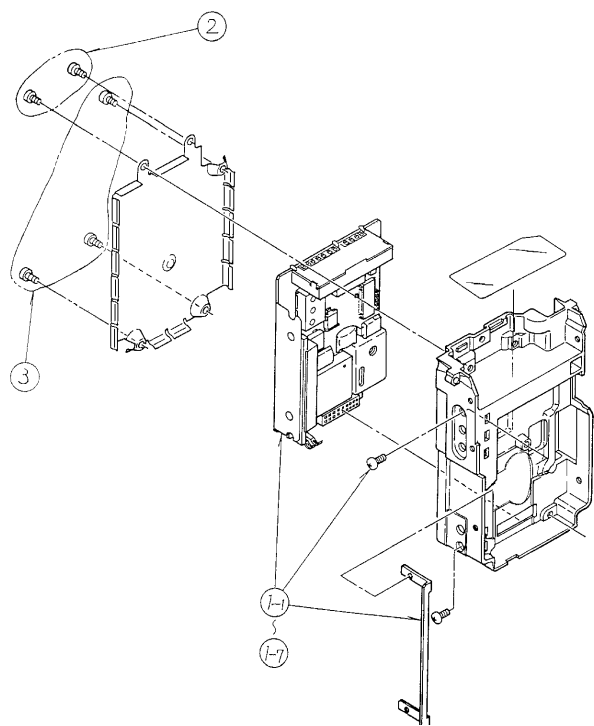
344A3937P11 ~ P17, P31 ~ P35, P61 ~ P67		
Symbol	Parts Number *	Decription
1	2RFA001258	VOL W/NUT/O-RING
2	AS00000297	VOL KNOB W/STOPPER/SCREW
3	AS00000289	CH KNOB W/STOPPER/SCREW
4	3FZA025502	CH SWITCH STOPPER
5-1	2KHA022166	CH SWITCH W/NUT/O-RING (TO ASSY REV. B)
5-2	2KOB036301	CH SWITCH W/NUT/O-RING (FROM ASSY REV. C)
6	AS00000453	MICROPHONE W/CAPACITOR
7	2SOB000192	SPEAKER
8	3NAX003120	PAN HEAD TAPPING SCREW, M2x3.5
9	AS00000370	TOP PANEL W/LABEL

M-RK I LED FLEX ASSEMBLY (ETS/AEGIS)

(A3WL17793, Rev. 2)

M-RK II/SCAN LED/KB FLEX ASSEMBLY (ETS/AEGIS)

(A3WL17794, Rev. 3)

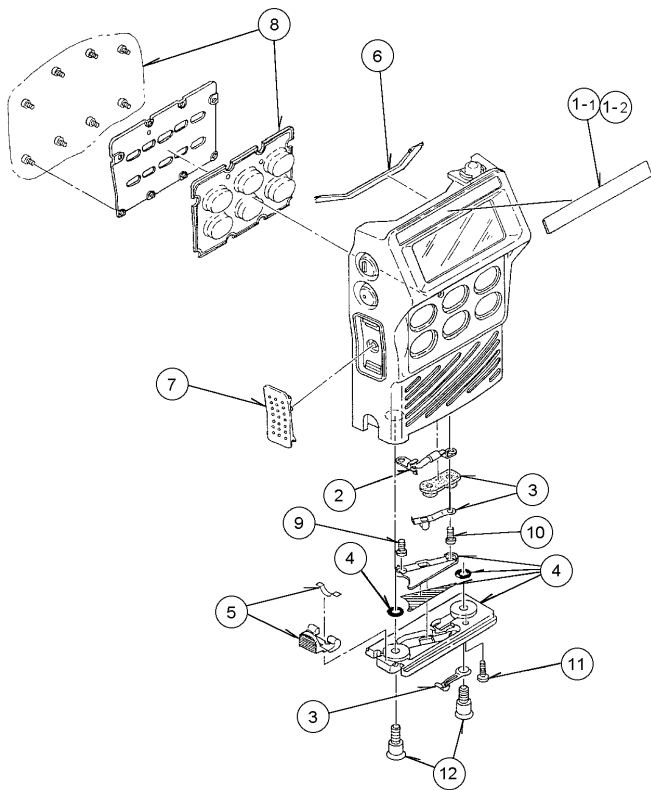


344A3937P41 ~ P46, P51 ~ P56, P71 ~ P76		
Symbol	Parts Number *	Decription
1-1	AS00000214	PA MODULE (VL) W/RETAINER/SCREWS
1-2	AS00000222	PA MODULE (VH) W/RETAINER/SCREWS
1-3	AS00000230	PA MODULE (UL) W/RETAINER/SCREWS
1-4	AS00000248	PA MODULE (UM) W/RETAINER/SCREWS
1-5	AS00000255	PA MODULE (UH) W/RETAINER/SCREWS
1-6	AS00000263	PA MODULE (800) W/RETAINER/SCREWS
2	3NAX003088	PAN HEAD SCREW, M2x2
3	3NAX003146	PAN HEAD SCREW W/SW, M2x4

*Prefix with "K19/" when ordering replacement parts

M-RK I/II/SCAN PA ASSEMBLY (AEGIS)

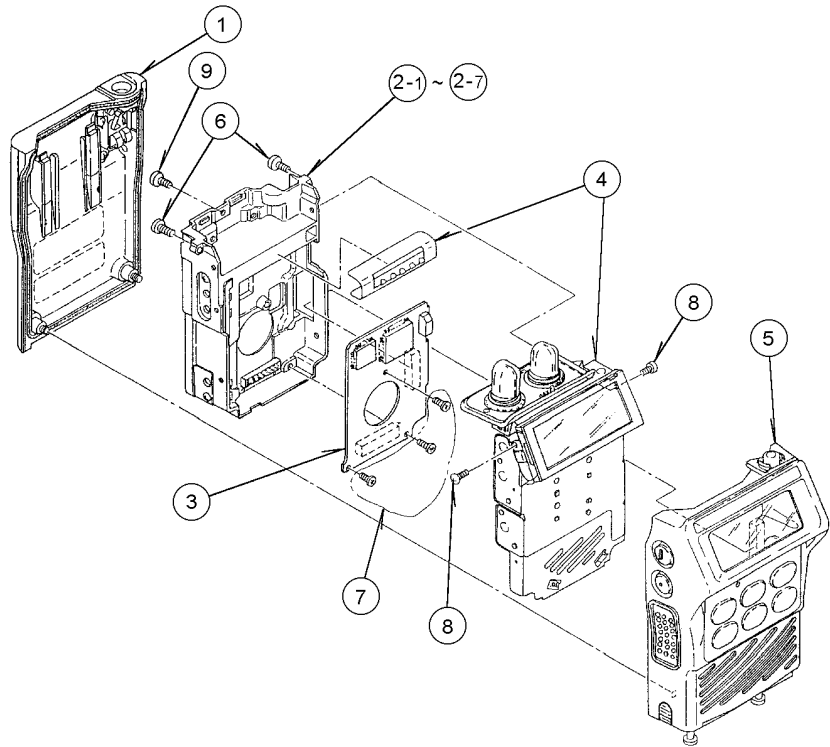
(A3WL17792, Rev. 1)



344A3937P61 ~ P67, P71 ~ P76		
Symbol	Parts Number	Description
1 - 1	3FHA030510	NAMEPLATE LABEL A (M - RK II / SCAN) (GE)
1 - 2	3FHA033563	NAMEPLATE LABEL A (M - RK II / SCAN) (ERICSSON)
2	AS00000446	FUSE W / BEAD, LUG A, LUG B
3	AS00000339	BATTERY CONTACTS W / SUPPORT
4	AS00000321	BATTERY BASEPLATE W/INSULATOR/GASKET/TAPE
5	AS00000305	LATCH W / SPRING
6	3FED001838	FRONT GASKET
7	3FZA024554	PTT LEVER
8	AS00000354	KEYPAD W / SCREWS
9	3NAX003088	PAN HEAD SCREW, M2 X 2
10	3NAX003120	PAN HEAD TAPPING SCREW, M2 X 3.5
11	3NAX003187	PAN HEAD TORX SCREW, M2 X 3.5
12	3NAX003179	FLAT HEAD TORX SCREW, M3 X 12

M-RK SCAN

(A3WL18089, Rev. 0)

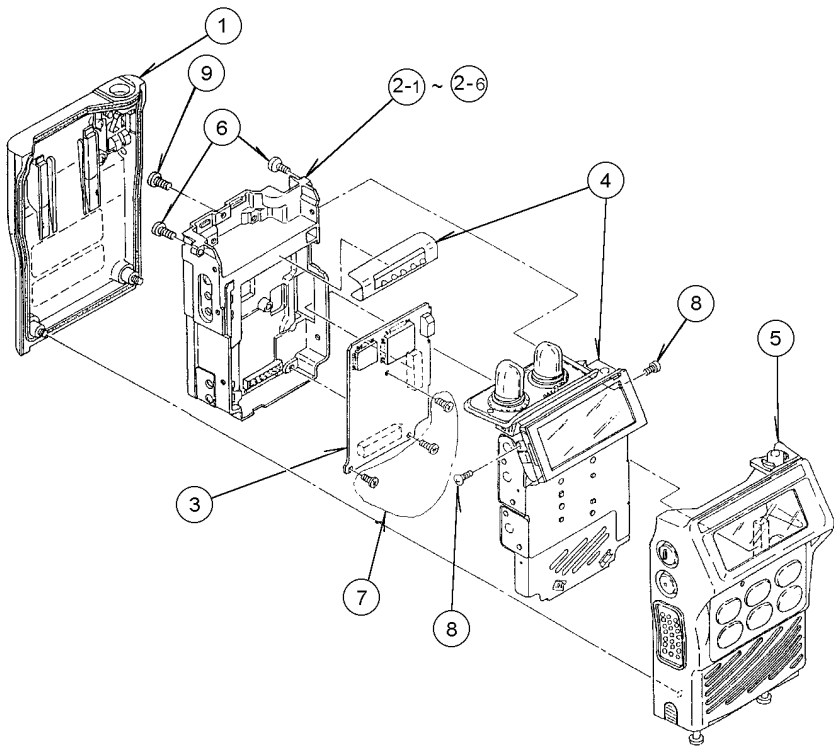


344A3937P61 ~ P67		
Symbol	Parts Number	Description
1	AS00001154	REAR ASSY
2 - 1	AS00001014	RADIO BOARD ASSY 136 - 160 MHz
2 - 2	AS00001022	RADIO BOARD ASSY 150 - 174 MHz
2 - 3	AS00001030	RADIO BOARD ASSY 403 - 430 MHz
2 - 4	AS00001048	RADIO BOARD ASSY 440 - 470 MHz
2 - 5	AS00001055	RADIO BOARD ASSY 470 - 500 MHz
2 - 6	AS00000164	RADIO BOARD ASSY 806 - 869 MHz
2 - 7	AS00000172	RADIO BOARD ASSY 896 - 941 MHz
3	AS00000068	CONTROL BOARD ASSY
4	AS00000057	LCD / KB FLEX ASSY (M - RK II / SCAN)
5	AS00001170	FRONT ASSY (M - RK II / SCAN)
6	3NAX003096	PAN HEAD SCREW, M2 X 6
7	3NAX003146	PAN HEAD SCREW W / SW, M2 X 4
8	3NAX003088	PAN HEAD SCREW, M2 X 2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2 X 4, BLK

M-RK SCAN (ETS)

(A3WL18090, Rev. 0)

*Prefix with "K19/" when ordering replacement parts



344A3937P71 ~ P76		
Symbol	Parts Number	Description
1	AS00001154	REAR ASSY
2 - 1	AS00001063	RADIO BOARD ASSY 136 - 160 MHz
2 - 2	AS00001071	RADIO BOARD ASSY 150 - 174 MHz
2 - 3	AS00001089	RADIO BOARD ASSY 403 - 430 MHz
2 - 4	AS00001097	RADIO BOARD ASSY 440 - 470 MHz
2 - 5	AS00001105	RADIO BOARD ASSY 470 - 500 MHz
2 - 6	AS00001113	RADIO BOARD ASSY 806 - 869 MHz
3	AS00001147	CONTROL BOARD ASSY
4	AS00001139	LCD / KB FLEX ASSY (M - RK II / SCAN)
5	AS00001170	FRONT ASSY (M - RK II / SCAN)
6	3NAX003096	PAN HEAD SCREW, M2 X 6
7 - 1	3NAX003146	PAN HEAD SCREW W / SW, M2 X 4
7 - 2	3NAA425468	BIND SCREW, M2 X 5
8	3NAX003088	PAN HEAD SCREW, M2 X 2
9	3NAX003138	PAN HEAD TAPPING SCREW, M2 X 4, BLK

M-RK SCAN (ETS/AEGIS)

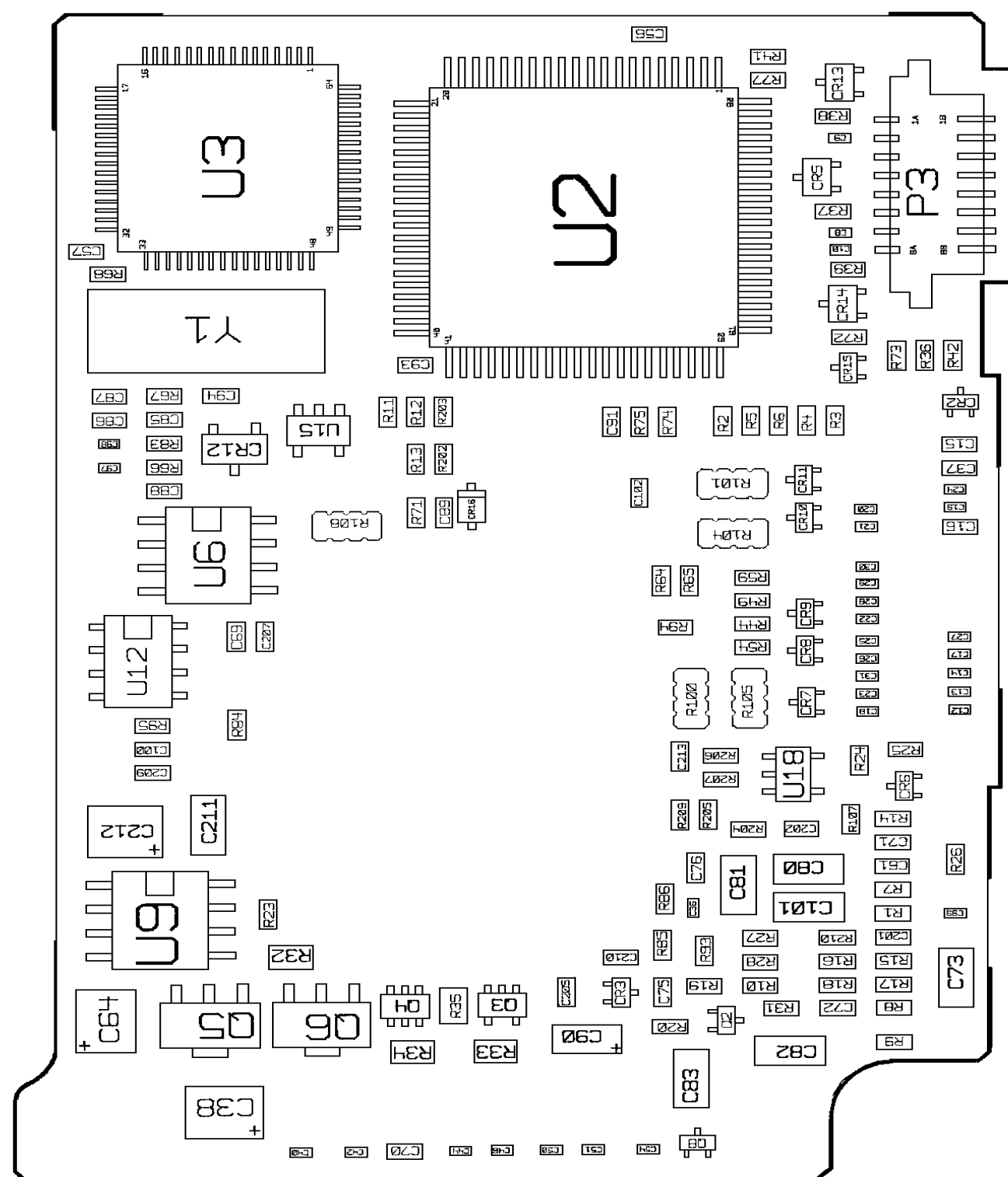
(A3WL18091, Rev. 0)



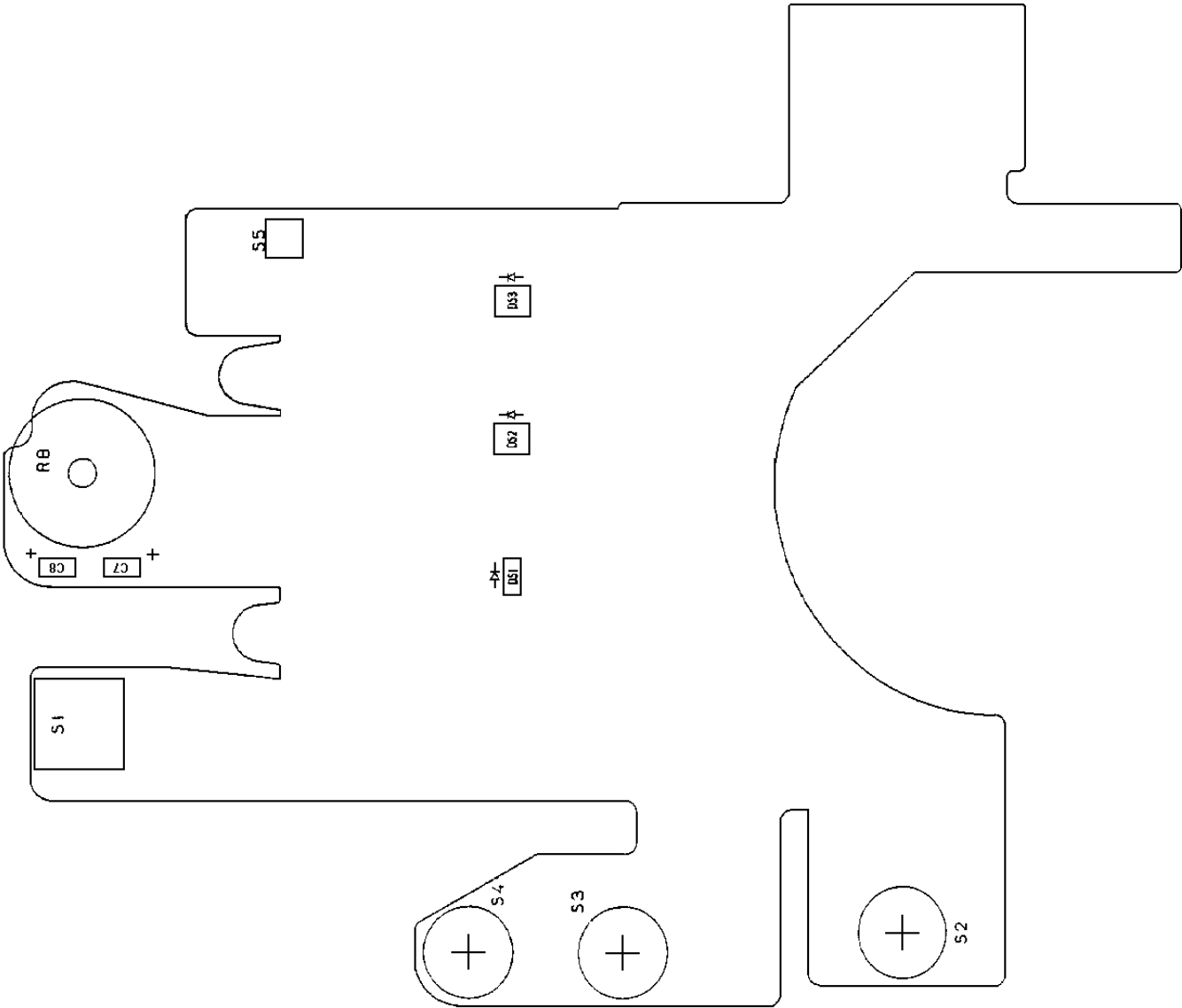
(A3WE05329, Sh. 1, Rev. 10)



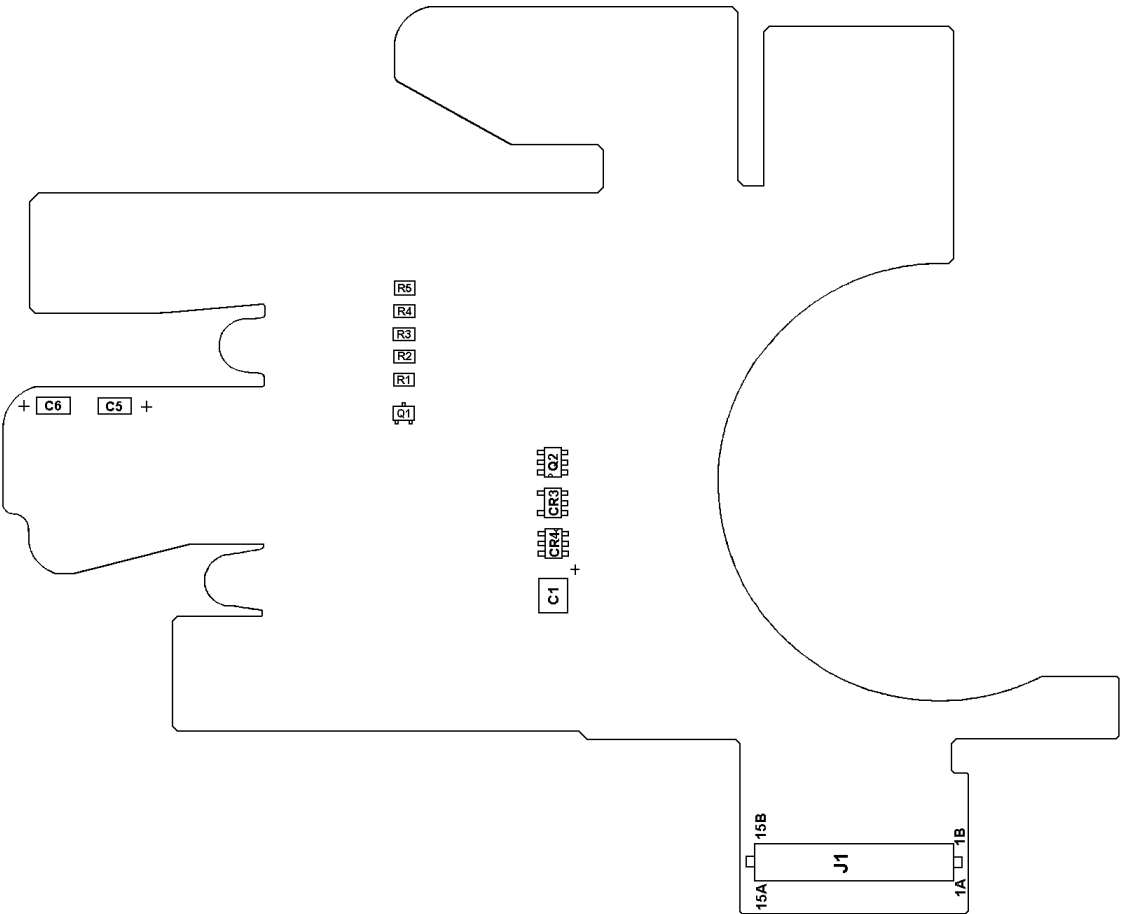
(A3WE05329, Sh. 3, Rev. 10)



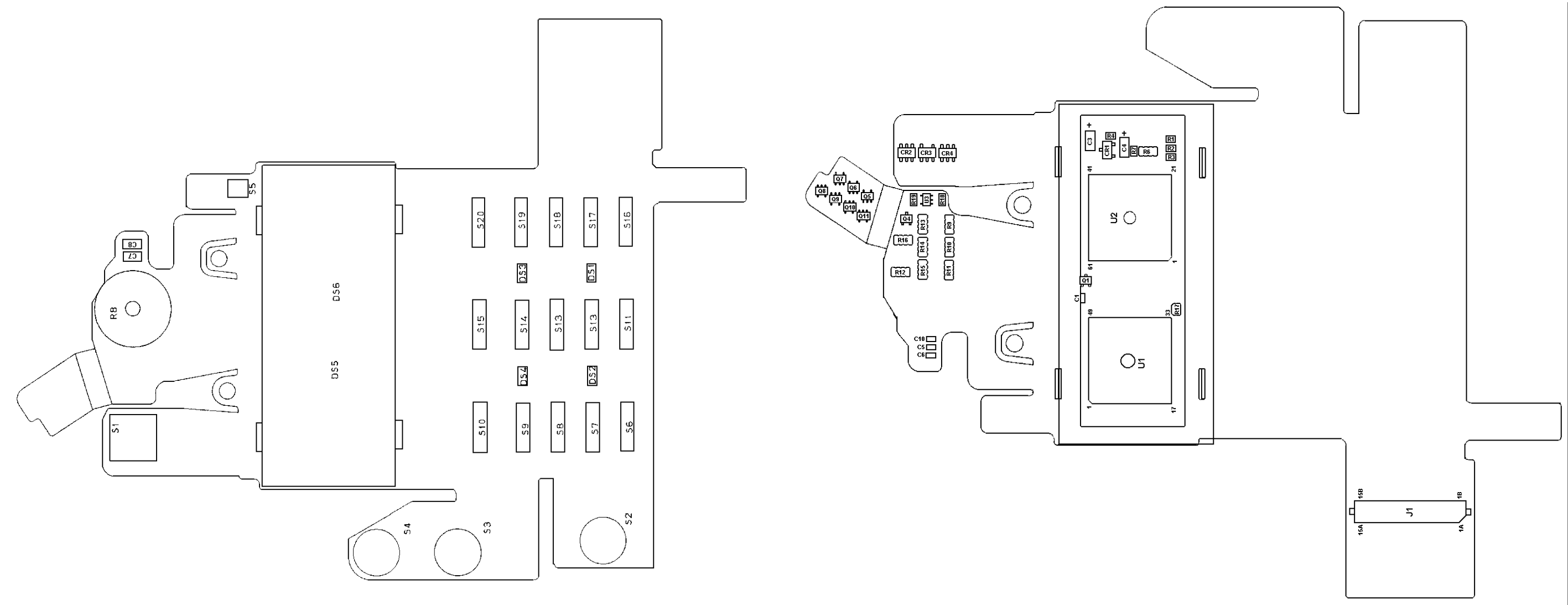
(A3WE06100, Sh. 1, Rev. 5)
(A3WE06100, Sh. 3, Rev. 5)



M-RK I LED FLEX ASSEMBLY (SIDE A)
K19/AS00000040
(A2WE05332, Sh. 1, Rev. 4)



M-RK I LED FLEX ASSEMBLY (SIDE B)
K19/AS00000040
(A2WE05332, Sh. 4, Rev. 4)

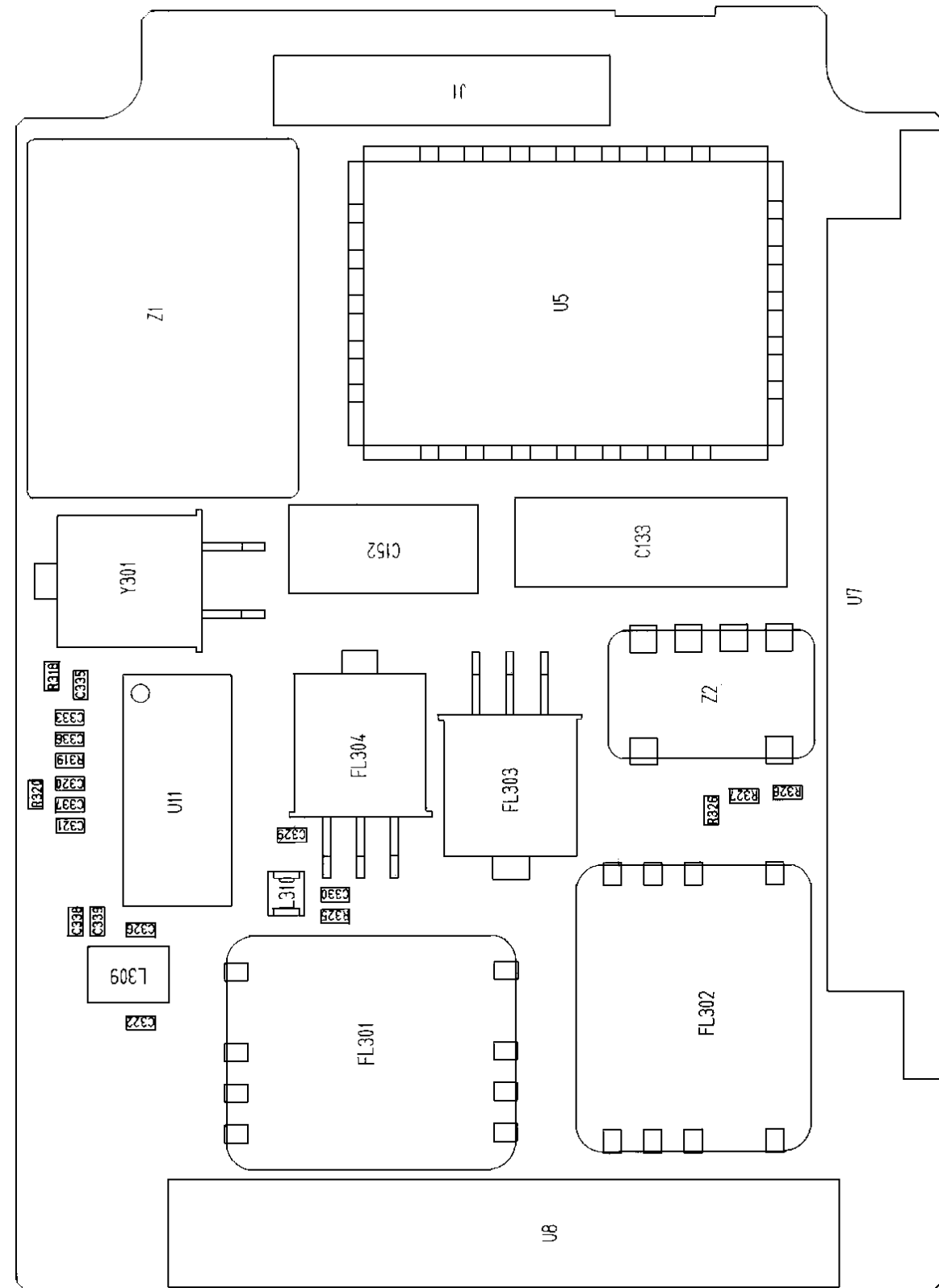


MRK II/SCAN
LCD/KB FLEX ASSEMBLY
K19/AS00000057

(A2WE05333, Sh. 1, Rev. 8)

MRK II/SCAN
LCD/KB FLEX ASSEMBLY
K19/AS00000057

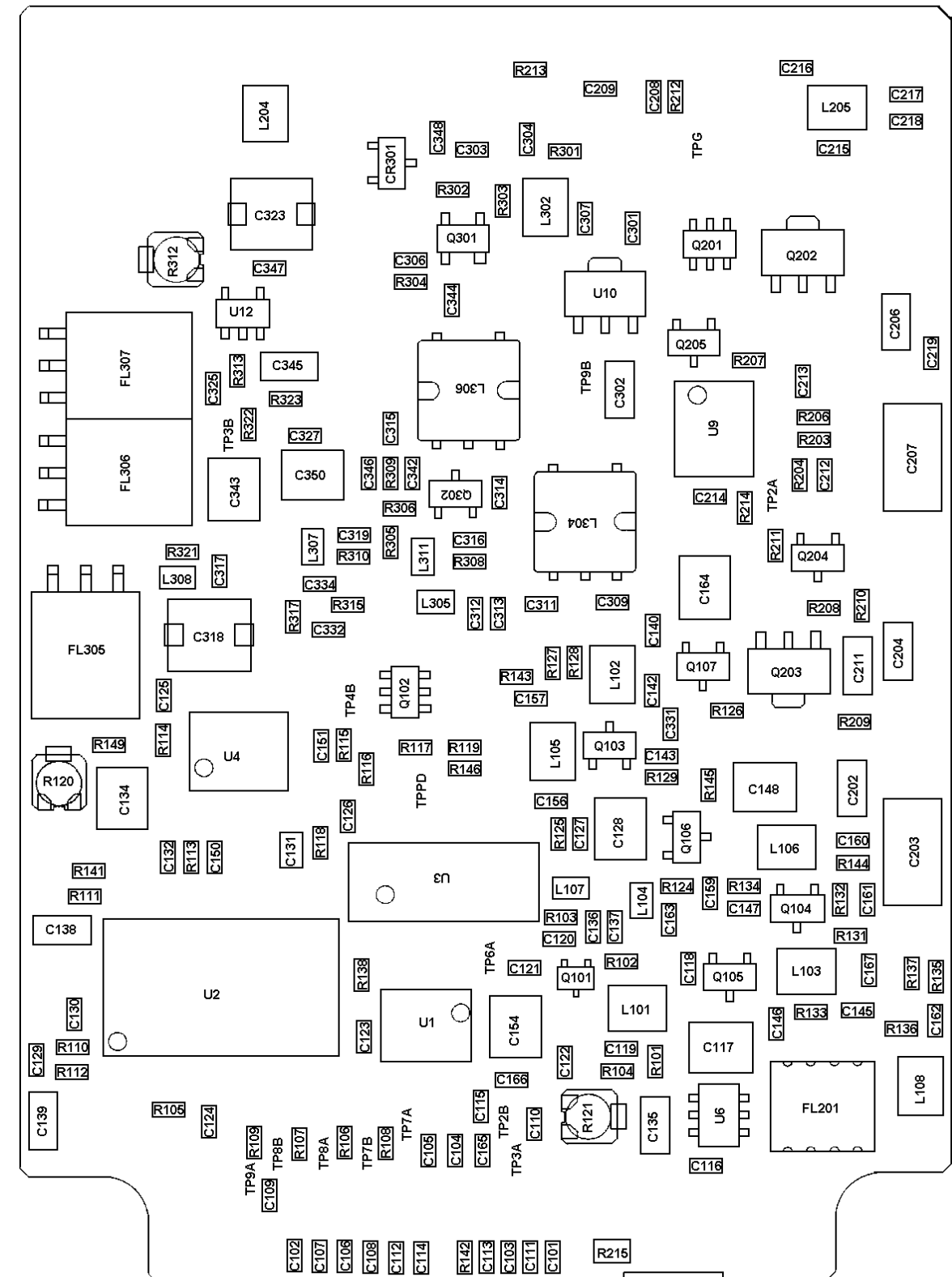
(A2WE05333, Sh. 4, Rev. 8)



RADIO BOARD

VHF/UHF

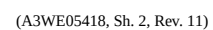
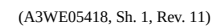
(A3WE05419, Sh. 1, Rev. 8)

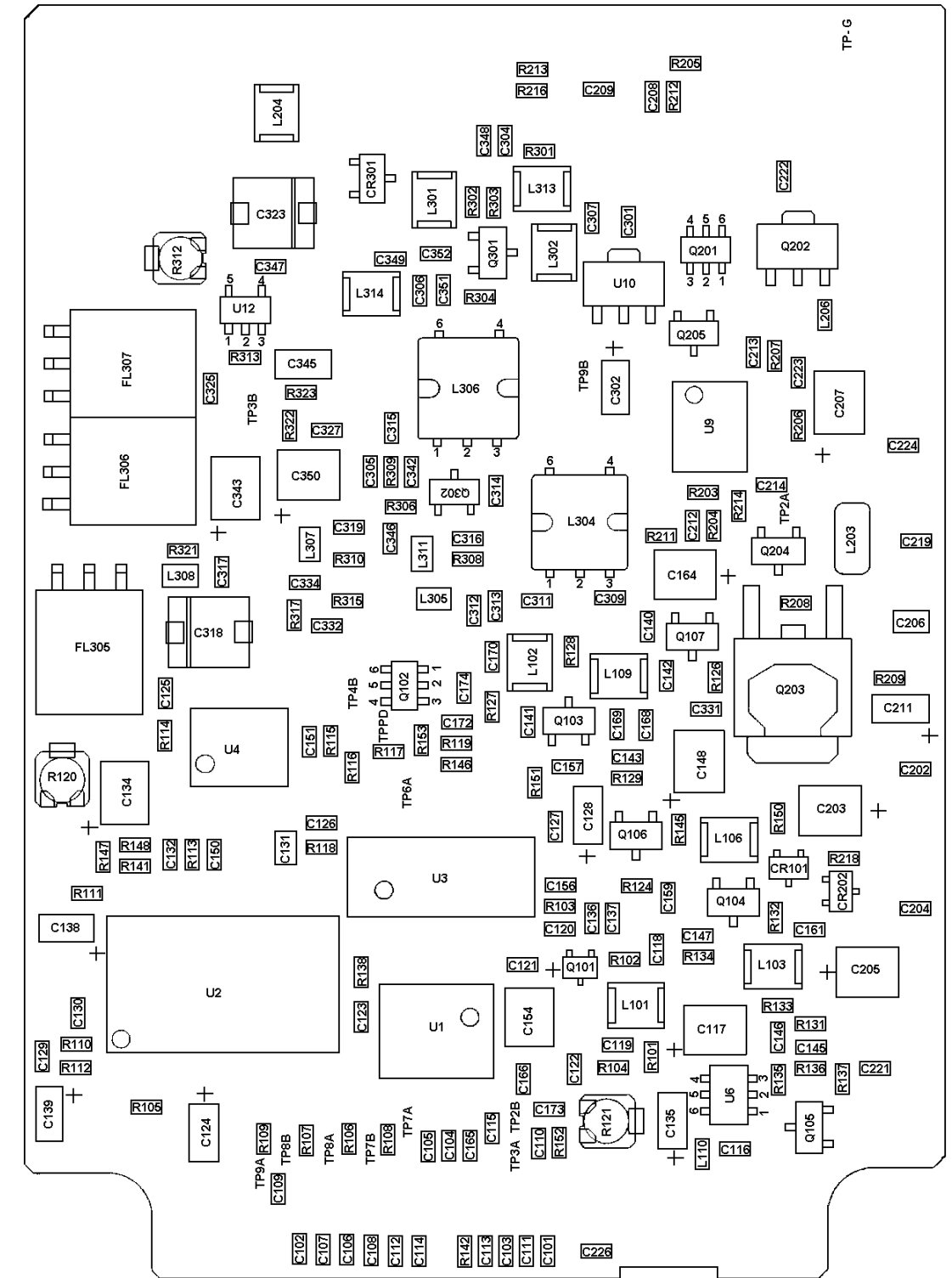


RADIO BOARD

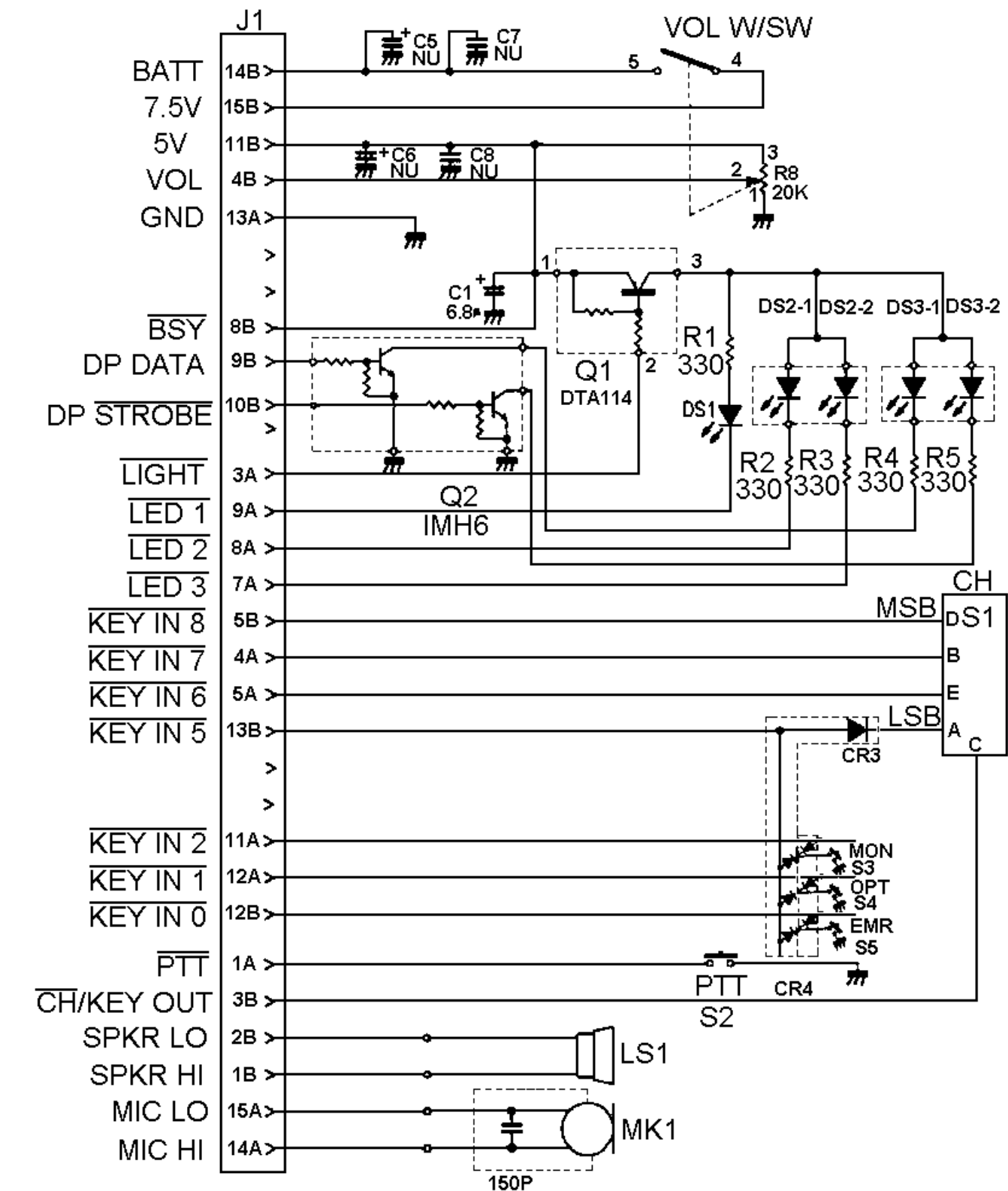
VHF/UHF

(A3WE05419, Sh. 2, Rev. 8)



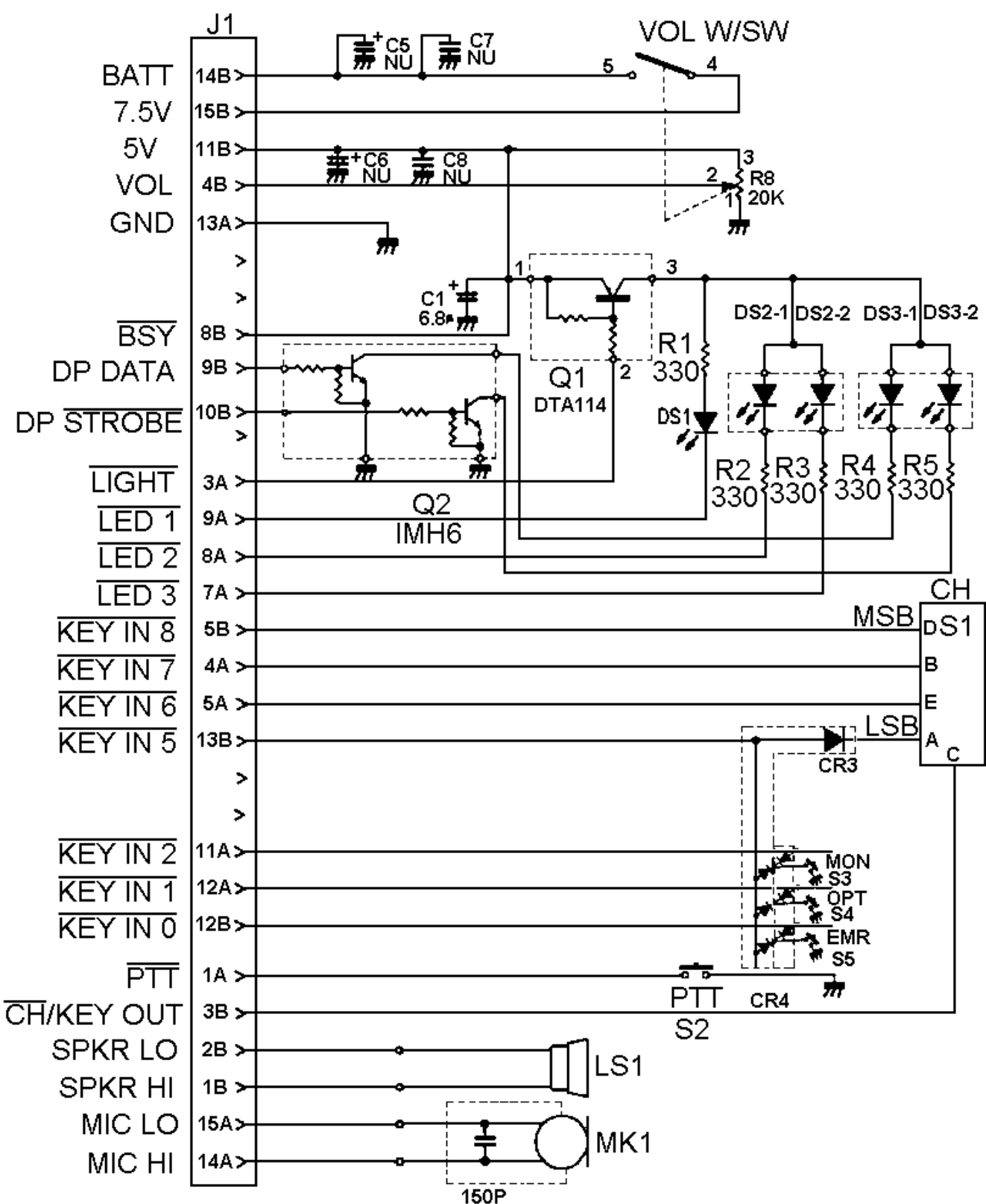


(A3WE06094, Sh. 1, Rev. 4)
(A3WE06094, Sh. 2, Rev. 4)



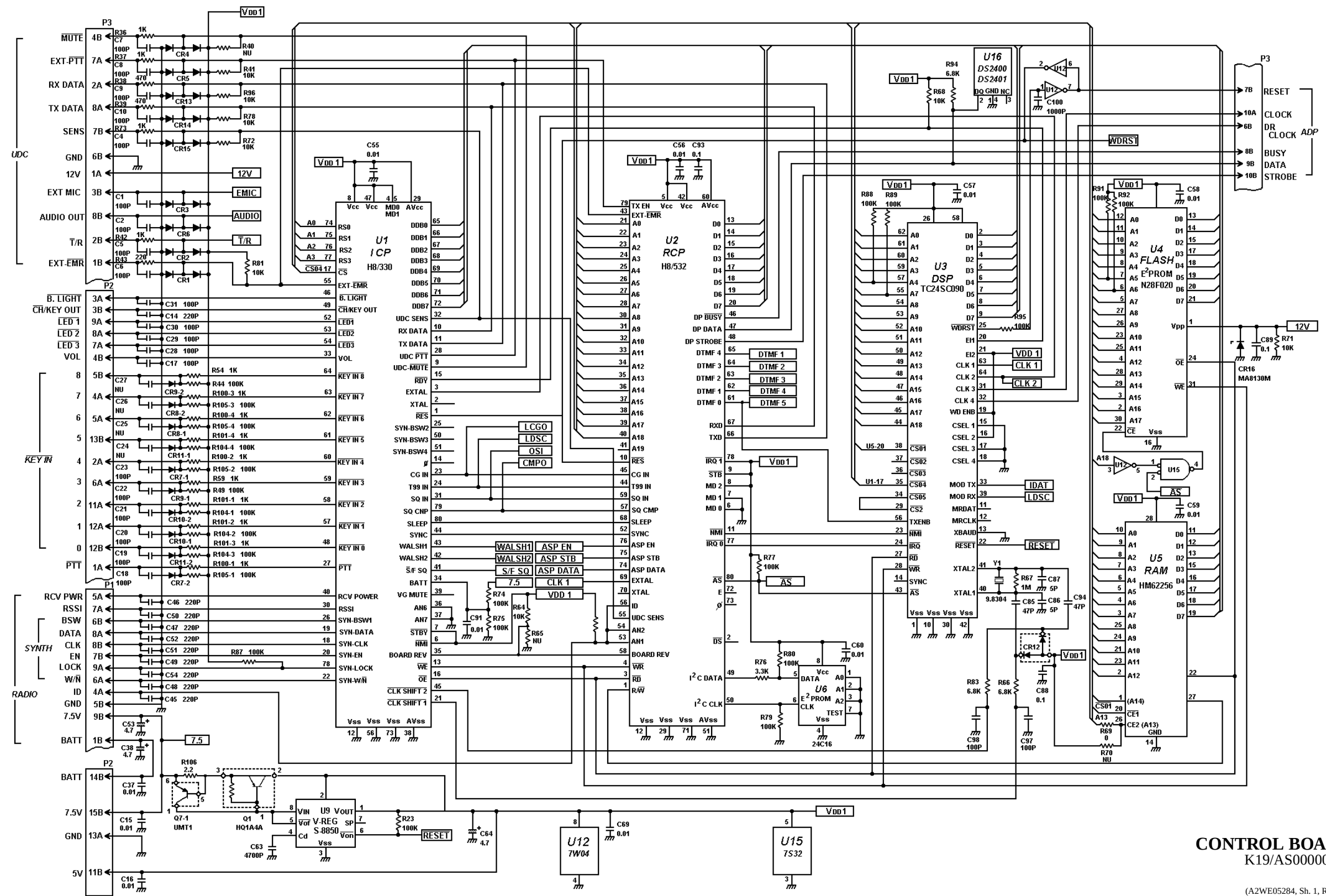
M-RK I LED FLEX ASSEMBLY
(AEGIS/VG)

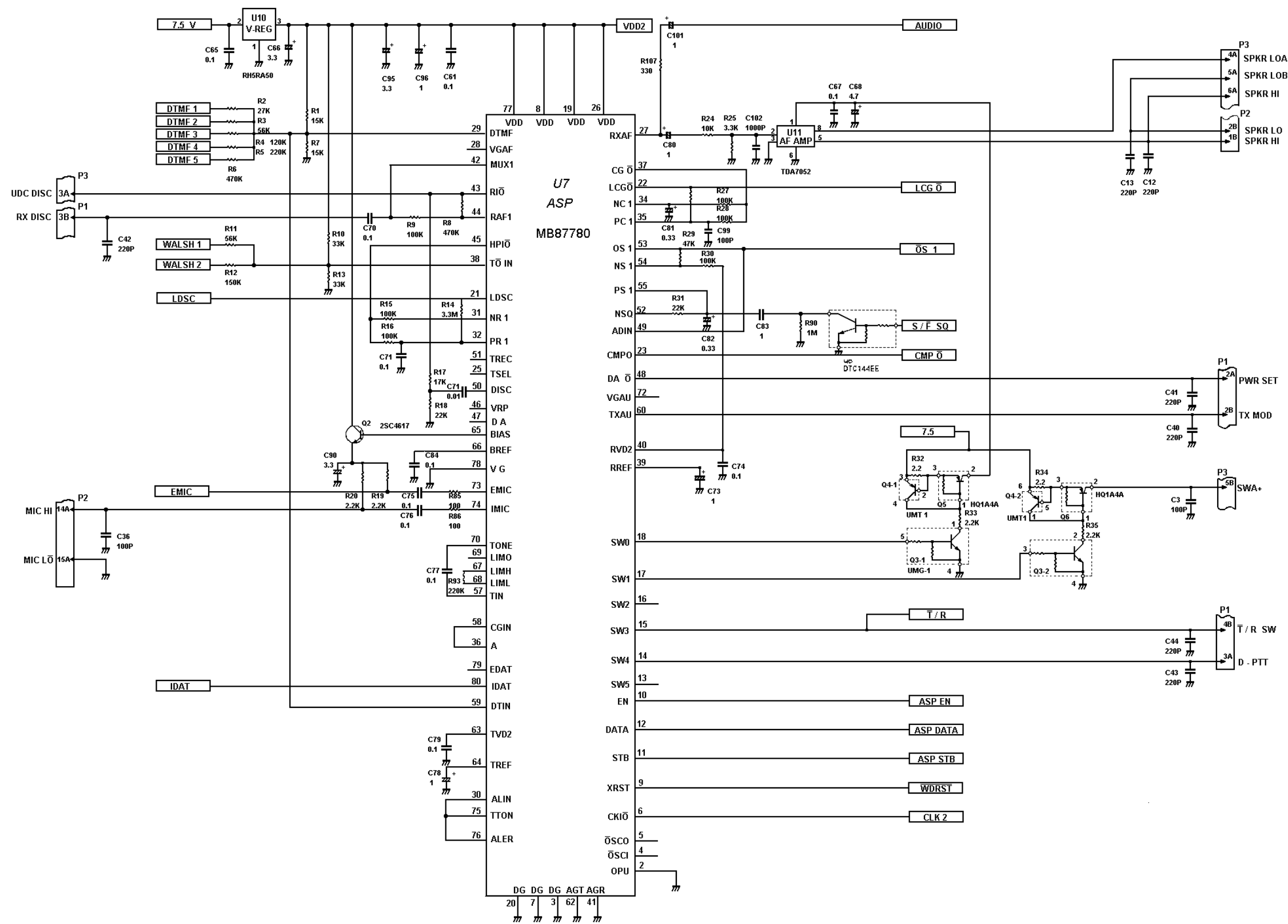
(A4WE06081, Rev. 1)



M-RK I LED FLEX ASSEMBLY

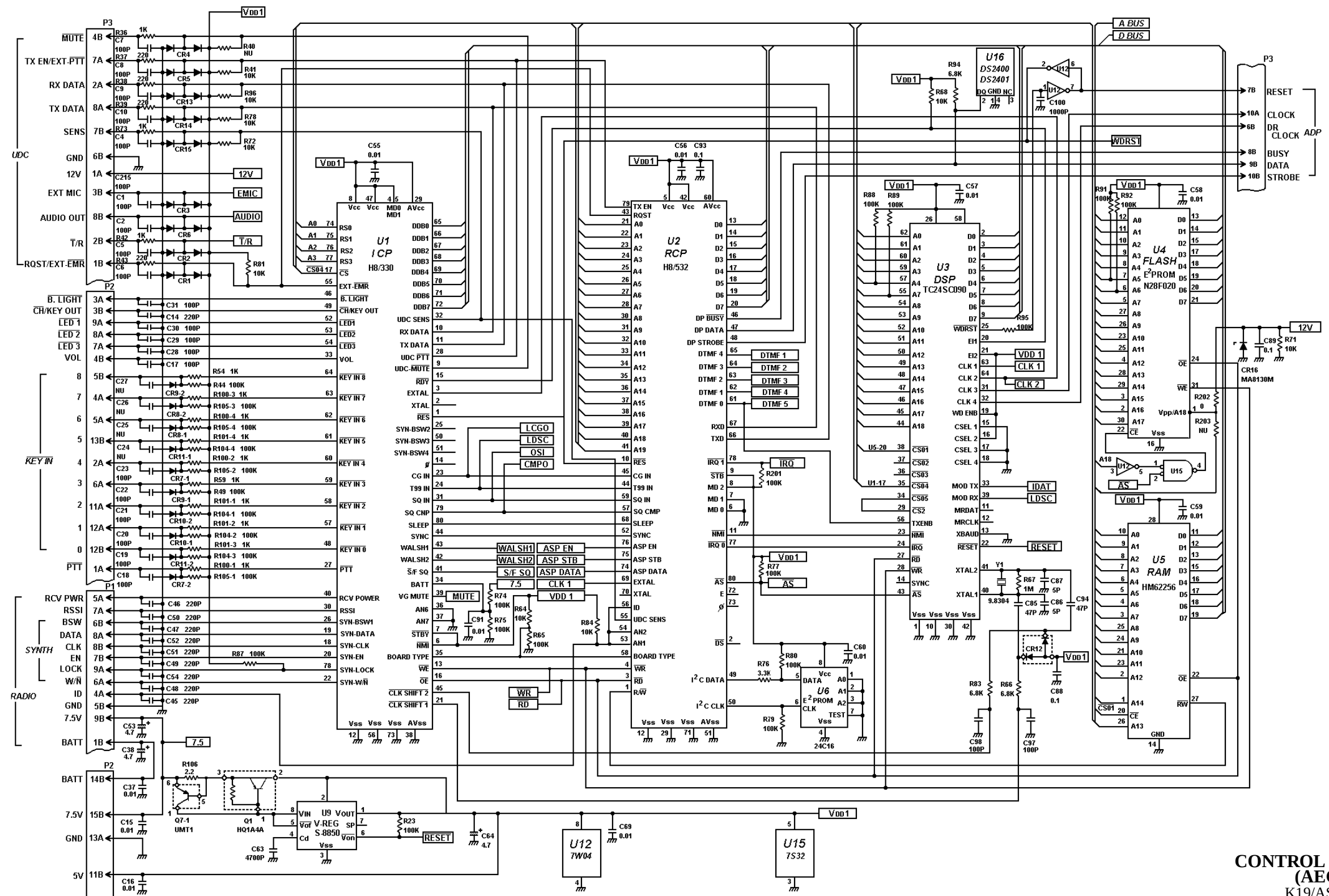
(A3WE05285, Rev. 4)

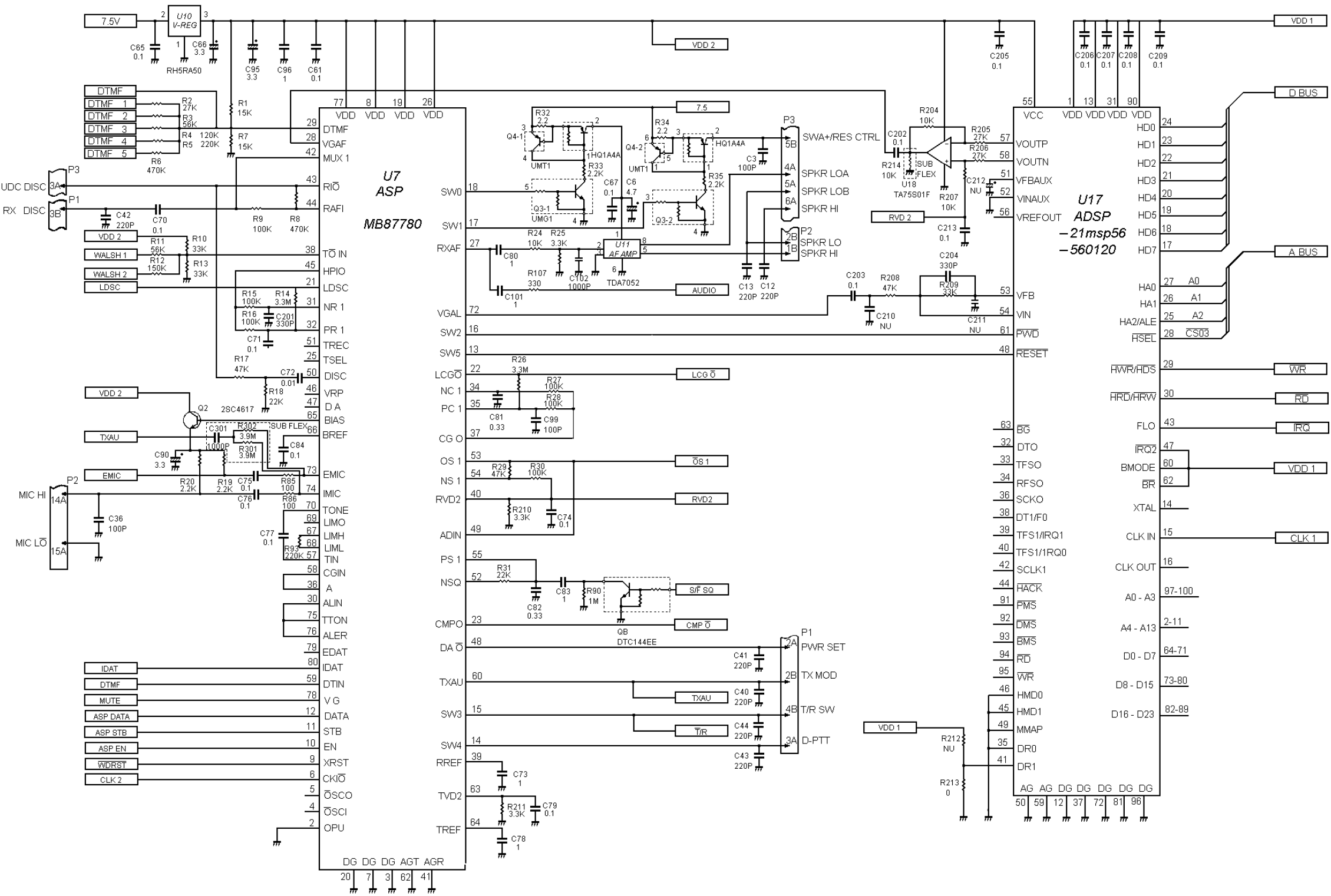




CONTROL BOARD
K19/AS00000065

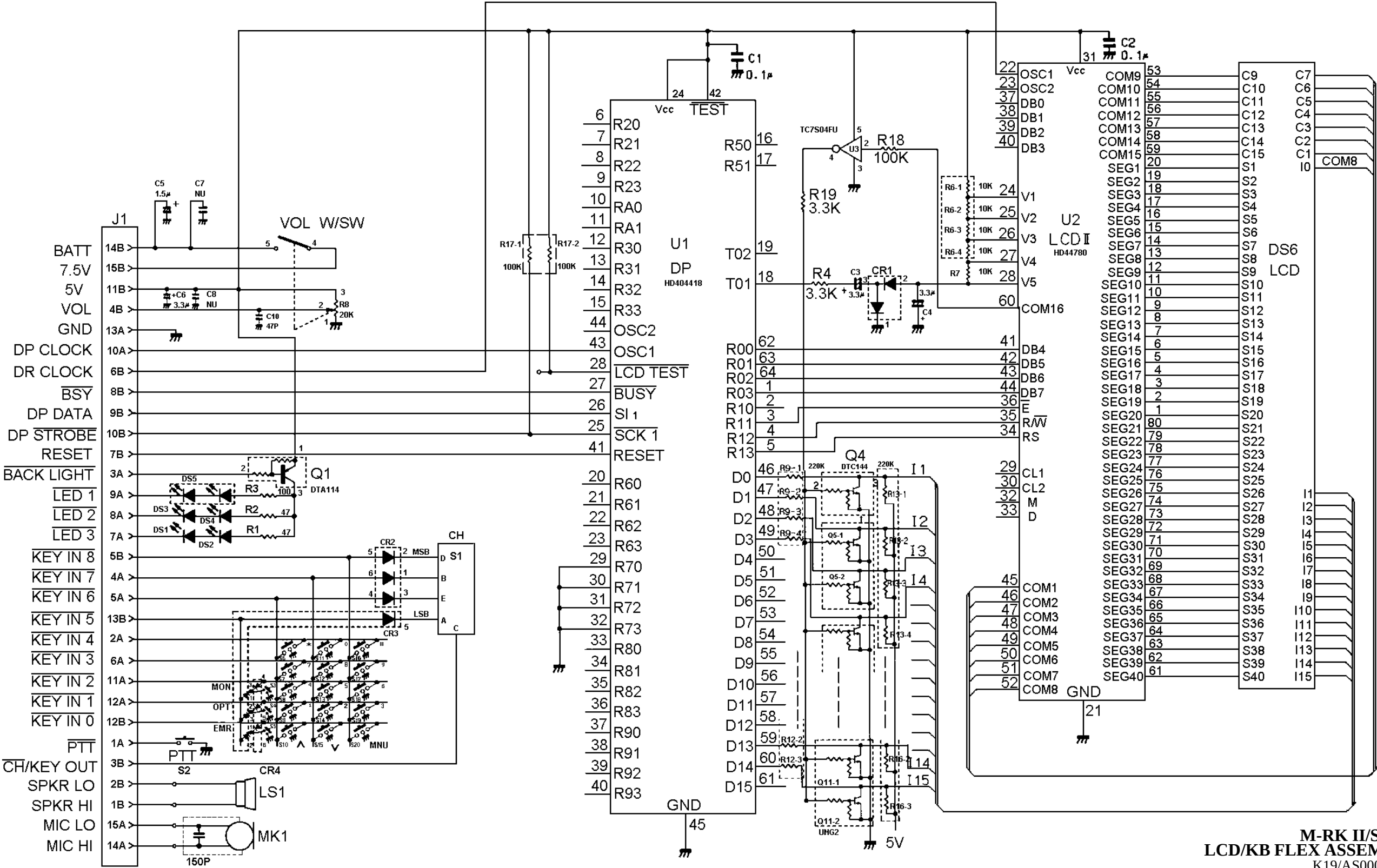
(A2WE05284, Sh. 2, Rev. 14)





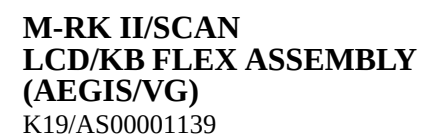
CONTROL BOARD
(AEGIS/VG)
K19/AS00001147

(A2WE06080, Sh. 2, Rev. 5)

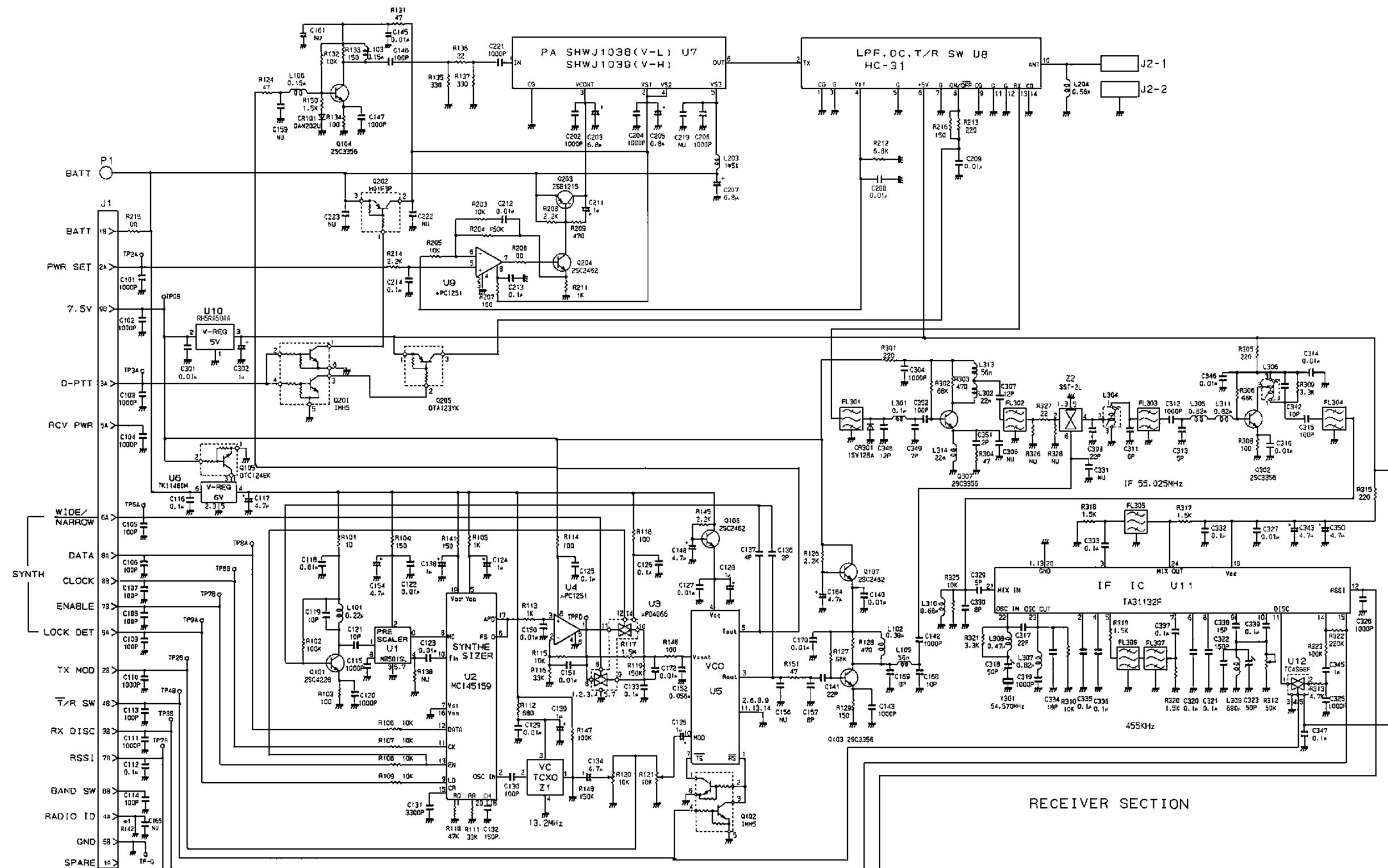


M-RK II/SCAN
LCD/KB FLEX ASSEMBLY
K19/AS00000057

(A3WE05286, Rev. 7)



TRANSMITTER SECTION



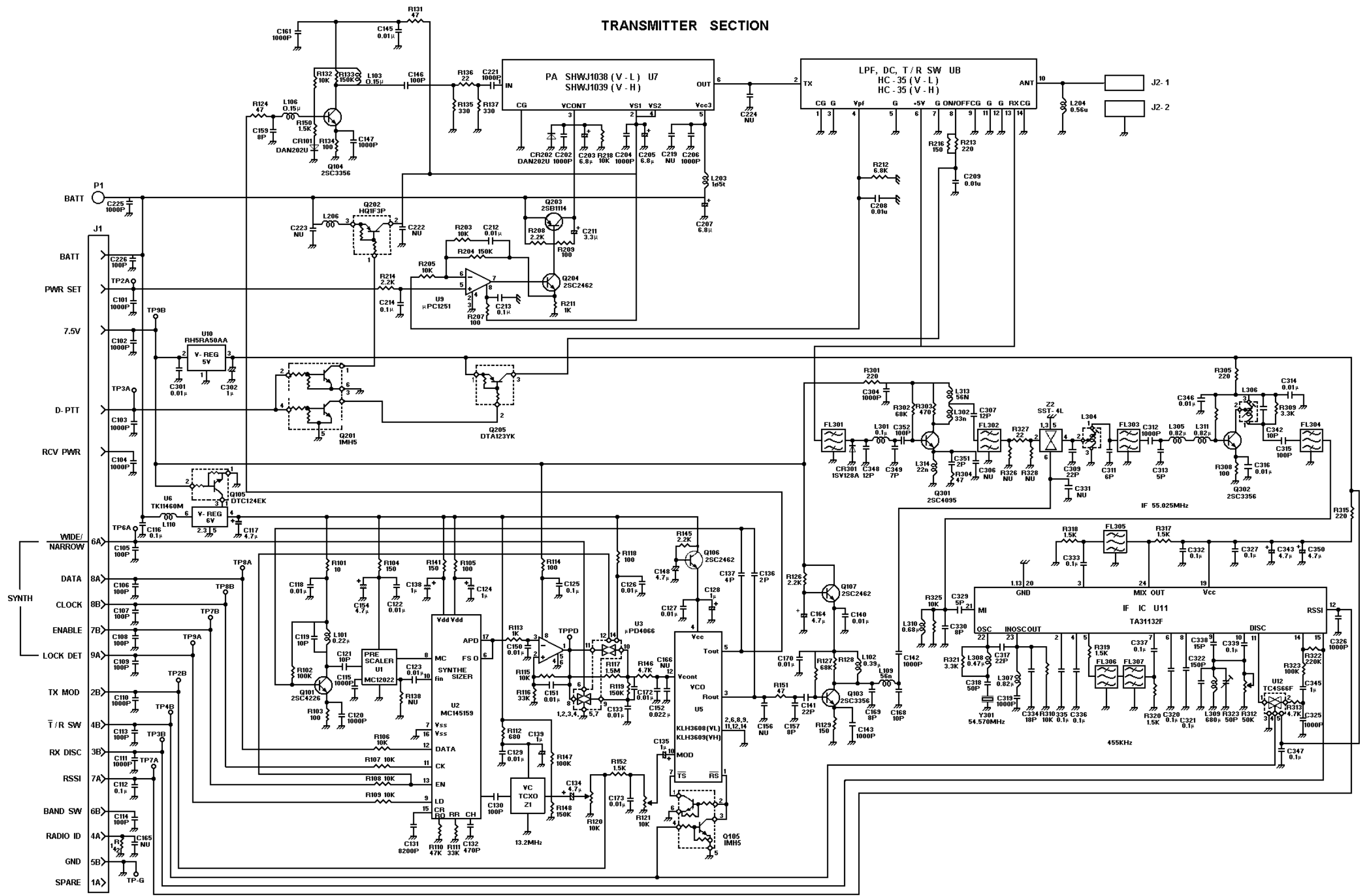
SYNTHESIZER SECTION

RECEIVER SECTION

RADIO BOARD
VHF

(A2WE05280, Rev. 7)

	V-L	V-H
R1	2.2K	4.7K
R142		

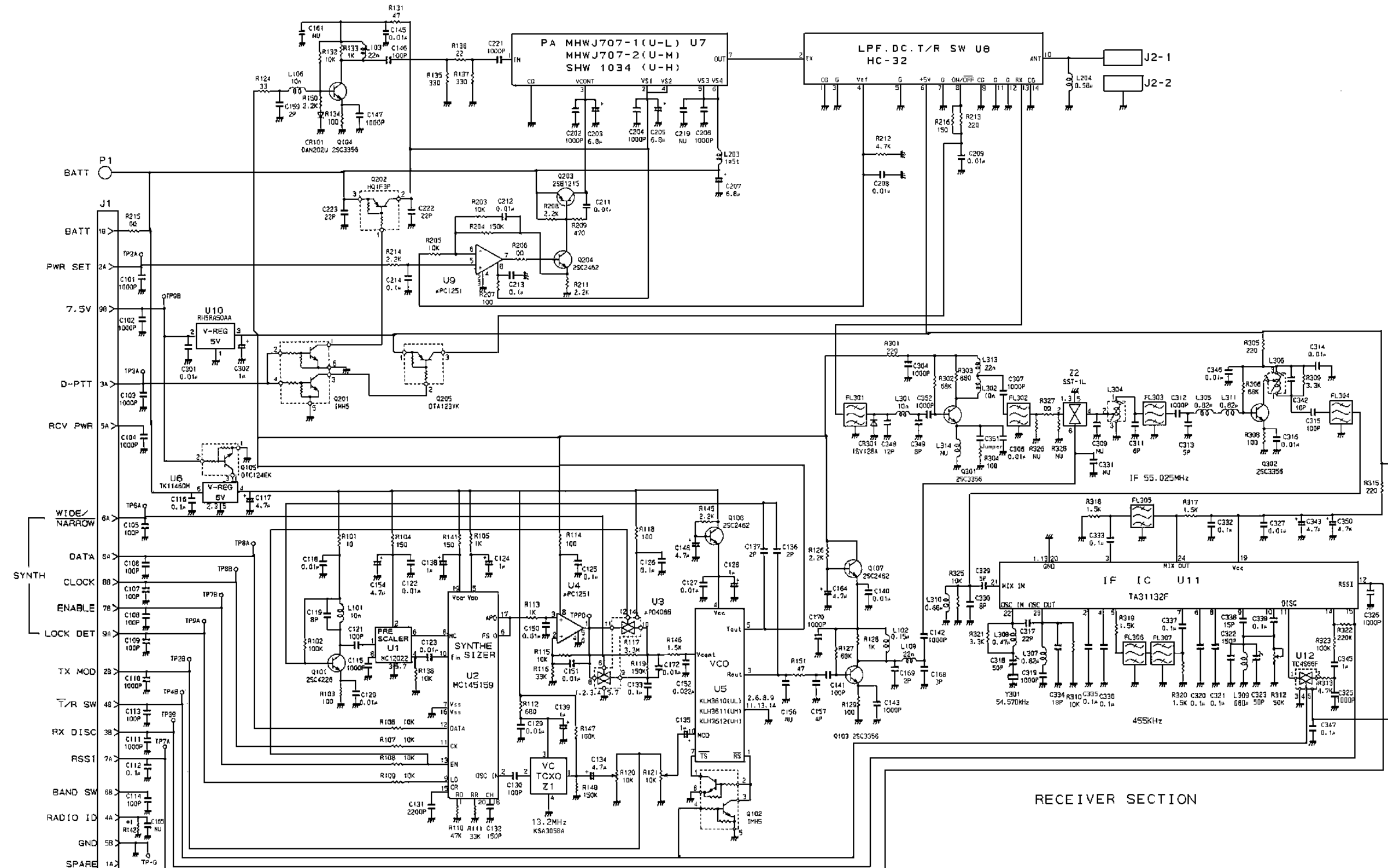


RADIO BOARD (VHF ETS)

	V - L	V - H
#1	R142	2.2K
		4.7K

(A2WE06096, Rev. 4)

TRANSMITTER SECTION



RECEIVER SECTION

SYNTHESIZER SECTION

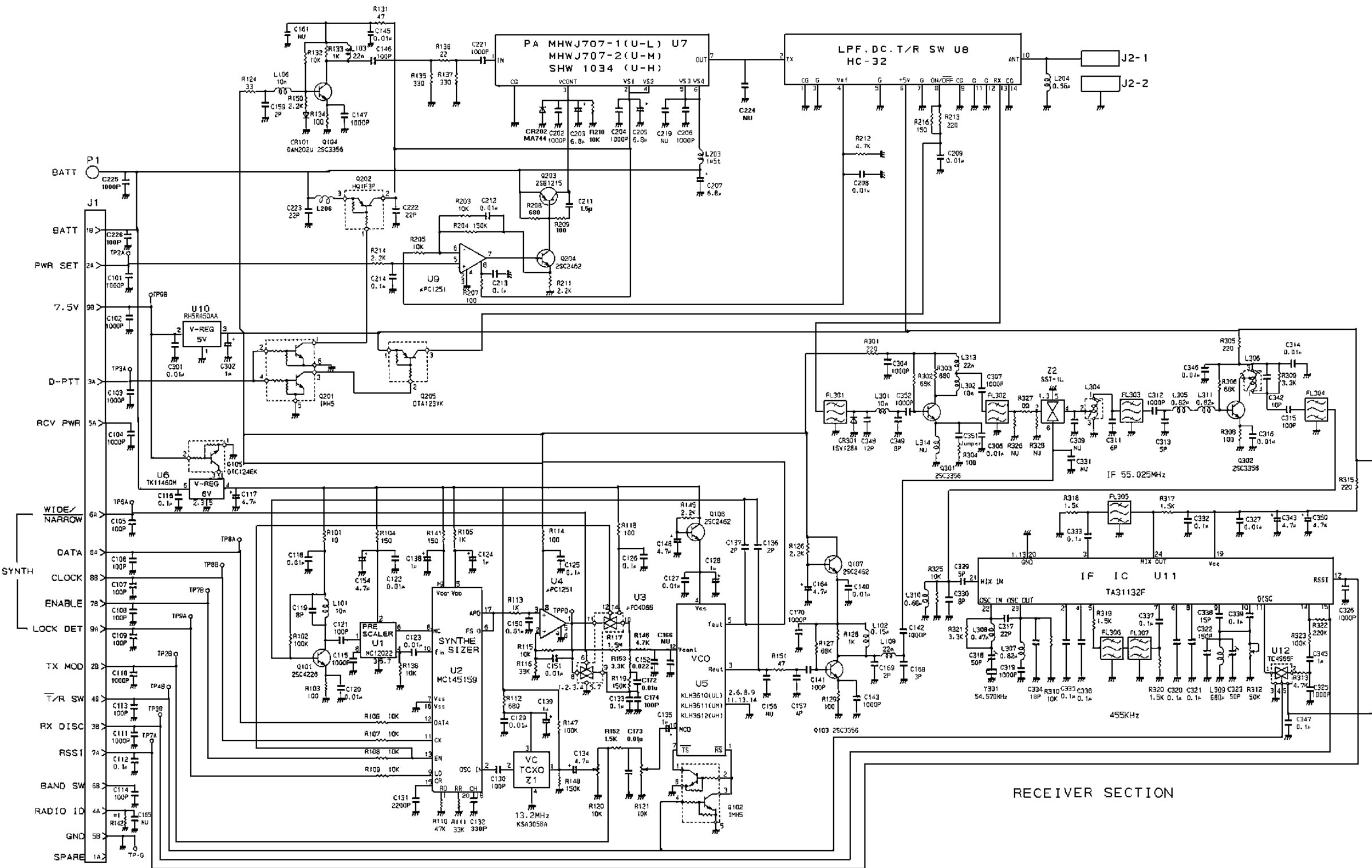
	U-L	U-M	U-H
R142	22K	47K	68K

RADIO BOARD

UHF

(A2WE05281, Rev. 3)

TRANSMITTER SECTION

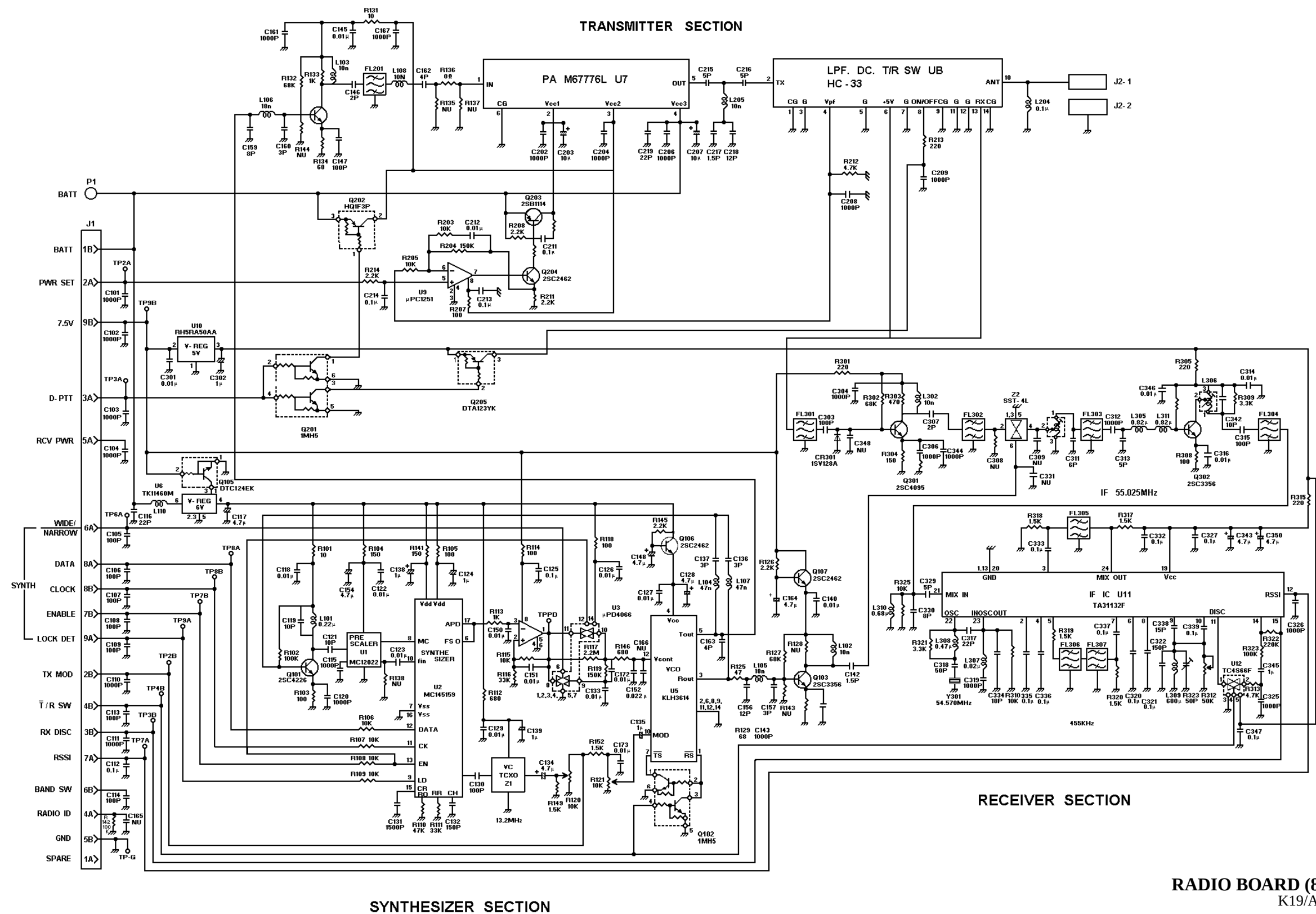


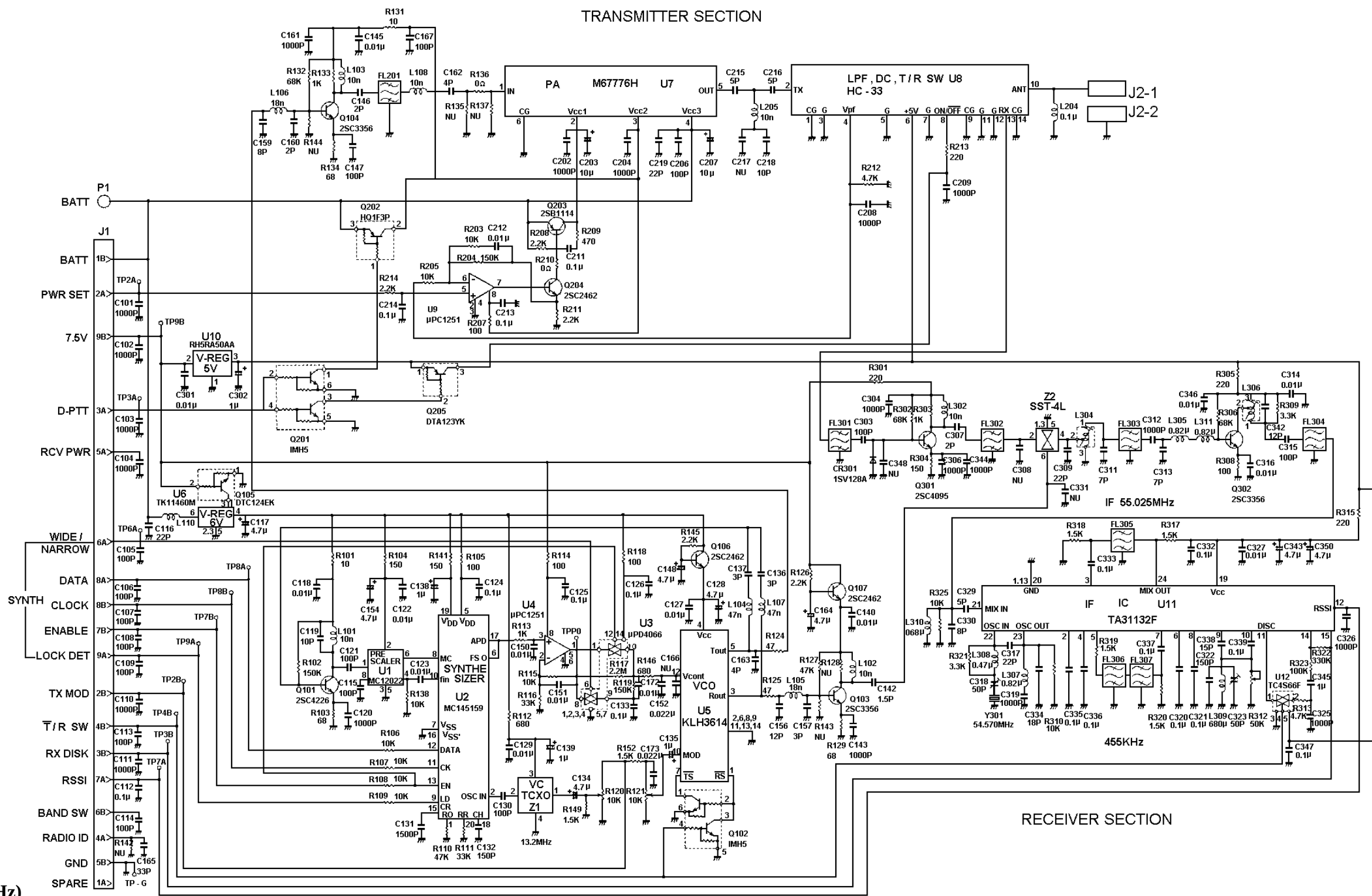
RECEIVER SECTION

SYNTHESIZER SECTION

	U-L	U-M	U-H
R142	22K	47K	68K

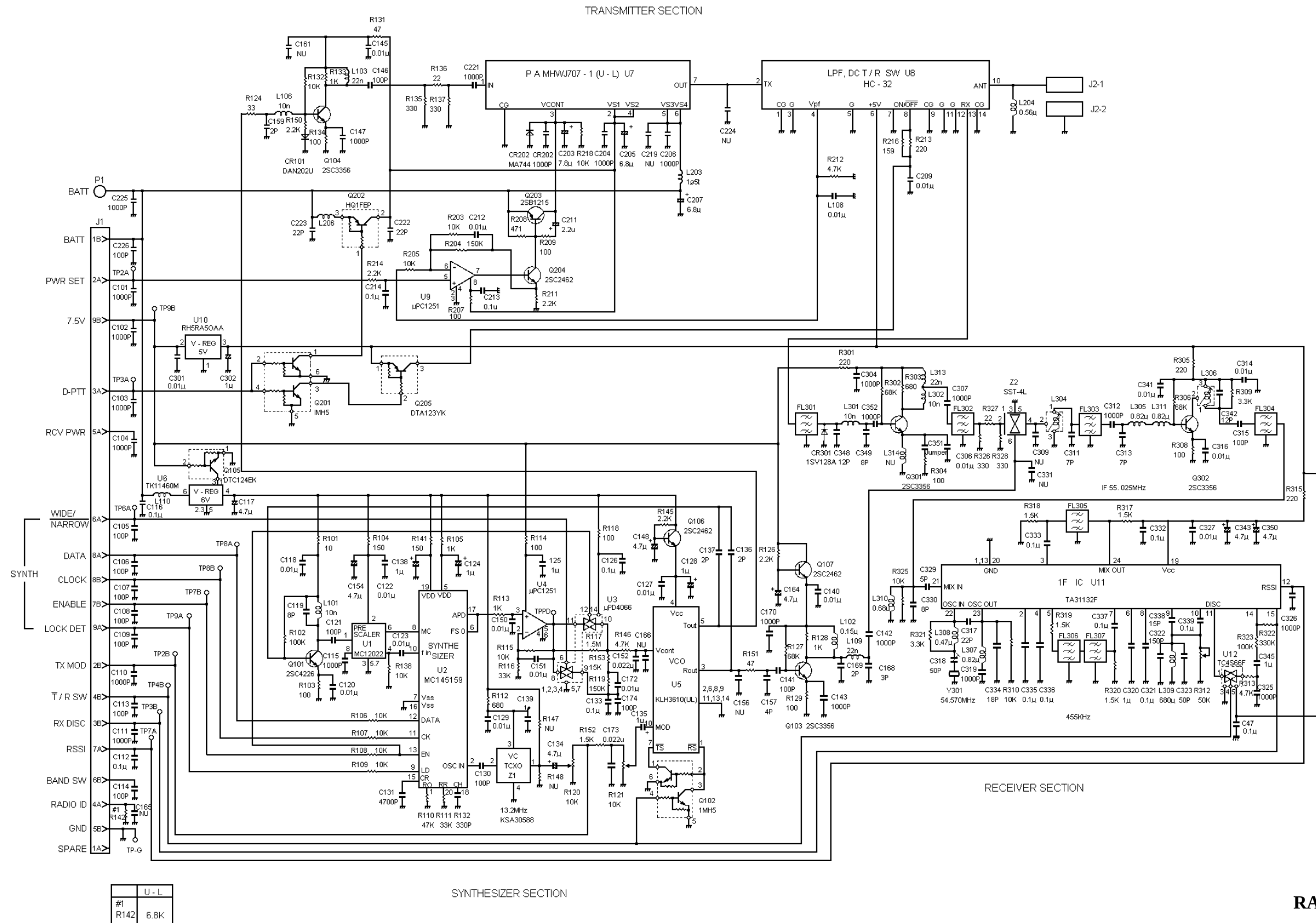
RADIO BOARD (UHF ETS)





RADIO BOARD (900 MHz)
K19/AS00000172

(A2WE05283, Rev. 6)



RADIO BOARD (UHF)
12.5 kHz Channel Spacing

(A2WE, Sh. 1, Rev. 0)