

aiwa



TN-F205

CORDLESS TELEPHONE

• TYPE: AEZ

SIMPLE MANUAL

- Replace this Service Manual with "Revision Publishing" when it is issued.

PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

EZB	XX.....	A.....		
	KANRI			
REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	82-135-799-010	0E	DIODE, IN4148	A.....
	86-NFZ-664-080		TR, DTC143TKA	.....
	87-003-097-010		COIL, 1UH	.....
	87-003-106-010		INDUCTOR, 0.33UH	A.....
	87-003-133-010		INDUCTOR, 0.22UH	A.....
	87-003-139-080		INDUCTOR, 0.56UH	A.....
	87-003-150-080		INDUCTOR 68UH	.....
	87-005-166-010		INDUCTOR, 1.2UH	A.....
	87-005-189-080		INDUCTOR, 2.7UH	A.....
	87-005-444-010		INDUCTOR, 100UH	.....
	87-005-497-080		INDUCTOR, 1MH	.....
	87-005-674-080		INDUCTOR, 1.5UH	.....
	87-005-678-080		INDUCTOR 3.3UH	.....
	87-005-688-080		INDUCTOR 22UH	.....
	87-005-696-080		COIL, 100UH	A.....
	87-005-798-010		INDUCTOR 1UH	.....
	87-010-035-010		CAP, E 2.2-50V	A.....
	87-010-037-010		CAP, E 10-50V	A.....
	87-010-038-010		CAP, E 22-25V	A.....
	87-010-045-010		CAP, E 100-25V	.....
	87-010-053-810		CAP, E 1-50V	A.....
	87-010-072-070		CAP, E 2.2-50V	A.....
	87-010-075-040		CAP, E 10-16V	A.....
	87-010-101-080		CAP, E 220-16V	.....
	87-010-112-010		CAP, E 100-16V	A.....
	87-010-234-070		CAP, E 4-16V	A.....
	87-010-249-010		CAP, E 470-16V	.....
	87-010-264-040		CAP, E 100-10V	A.....
	87-010-380-010		CAP, E 47-16V	A.....
	87-010-387-080		CAP, E 470-25V	.....
	87-010-400-010		CAP, E 0.47-50V	A.....
	87-010-403-010		CAP, E 3.3-50V	.....
	87-010-497-080		CAP, E 4.7-35V	A.....
	87-010-545-010		CAP, E 0.22-50V	A.....
	87-010-546-080		CAP, E 0.33-50V	A.....
	87-010-677-040		CAP, E 0.15-50V	A.....
	87-015-696-080		CAP, E 2.2-50V	A.....
	87-016-284-010		CAP, 0.47-250V	.....
	87-017-080-080		ZENER, 3.9V 1/2W	.....
	87-017-781-080		RECTIFIER IN-4004	A.....
	87-070-106-010	0E	LED, SE3001 RED	A.....
	87-263-033-210		SCREW, 2x4	A.....
	87-342-036-210		SCREW, ST2-8	.....
	87-343-075-210		SCREW, ST 2.6-10	.....
	87-352-095-010		SCREW, ST3-8	A.....
	87-352-097-210		SCREW, ST3-12	.....
	87-353-076-210		SCREW, +2.6-12	A.....
	87-641-092-410		SCREW, ST3-4	.....
	87-741-096-410		SCREW, ST3-10MM	A.....
	87-743-036-410		SCREW, ST2-8	A.....
	87-743-073-410	0E	SCREW, ST2.6-6MM	A.....
	87-751-035-410		SCREW, ST2-6	.....
	87-751-074-410		SCREW, ST 2.6-8	.....
	87-A20-566-010		IC, AT24C01A-10PC 8P	.....
	87-A20-751-010		IC, L7805CV	A.....
	87-A21-136-040		IC, AT24C01A-10SC 8P	A.....
	87-A40-226-080		DIODE, SVC251SPA	A.....
	87-A40-587-080		ZENER, BZX55-C5V1 5.1V	A.....

PARTS LIST - 2

88-PCD-601-010	IC, TMP87C408N	.....
88-PCD-602-010	IC, TMP87C807U	.....
88-PCD-603-010	IC, TMP87P808N DIP AIWA T	A.....
88-PCD-604-010	IC, TMP87PH47U SMT AIWA TO	A.....
88-PCD-605-010	IC, TB31224F	A.....
89-317-412-310	TR, 2SC1741SQ	.....
89-321-204-080	TR, 2SC2120Y	.....
89-324-122-080	TR, 2SC2412KQ	.....
89-327-126-080	C-TR, 2SC2712GR	.....
89-327-143-010	C-TR, 2SC2714Y	A.....
S0-000-010-010	TELCORD-ST2USUS2.2UL TRANSPARE	A.....
S0-001-070-010	CER, FILTER	A.....
S0-001-820-110	IFT, 182 11.5MM	.....
S0-002-550-070	IFT, 0.47-7-8	.....
S0-002-570-070	IFT, 0.34-7-8	.....
S0-002-720-070	IFT, 7.7MM 0.27UH	.....
S0-002-720-080	IFT, 272 8.5MM	.....
S0-002-741-070	IFT, KL274N	A.....
S0-002-760-070	IFT, KL276N	A.....
S0-002-770-070	IFT, KL277N	A.....
S0-002-860-070	IFT, KL286N	A.....
S0-004-500-180	CER, FILTER LTW33-450E	A.....
S0-004-550-070	CER, FILTER 455KHZ	.....
S0-008-000-000	CER, RESO 8 MHZ	.....
S0-008-450-070	IFT, KY845R	A.....
S0-008-701-070	IFT, 0.47UH 7MM	.....
S0-022-020-000	JACK, TEL MINI L/P 6P2C	A.....
S0-039-200-070	IFT KY392N	A.....
S0-039-300-070	IFT KY393N	A.....
S0-039-400-070	IFT KY394N	A.....
S0-041-400-070	IFT, 0.34UH 7MM	.....
S0-049-410-030	LED, 3MM(GRN)	.....
S0-075-600-070	IFT, 7MM 455KHZ	A.....
S0-100-132-000	INDUCTION 1MH 102K	A.....
S0-100-331-220	ZENER, 3.3V 1/2W BZX55-C3V3 SEM	A.....
S0-100-391-210	ZENER, BZX55-C3V9 3.9V	.....
S0-100-561-230	ZENER, BZX55-C5V6 5.6V	A.....
S0-100-621-210	ZENER, BZX55-C6V2 6.2V	A.....
S0-100-821-240	ZENER, 8.2V 1/2W BZX55-C8V2 SEM	A.....
S0-101-201-220	ZENER, 12V BZX55/C12	.....
S0-101-602-010	ZENER, 16V 2W SEMTECH BZXZC16V	A.....
S0-101-872-010	INDUCTOR, 1.8UH	A.....
S0-102-115-000	CAP, CER 0.001UF-500V	.....
S0-102-701-220	ZENER, 27V 1/2W BZX55-C27 SEMTE	A.....
S0-104-330-000	ANT, ROD 82MM	.....
S0-106-201-034	IC, TEA1062	A.....
S0-108-282-010	INDUCTOR 0.82UH	.....
S0-109-090-000	APA-EI35EN 200MA/SO 230V 9VDC	A.....
S0-109-100-000	ANT, TELESCOPIC ROD	.....
S0-111-030-000	ANT TELESCOPIC ROD	A.....
S0-111-070-000	TELESCOPIC ROD ANTENNA	A.....
S0-111-110-000	ANT, TELESCOPIC ROD	.....
S0-112-010-000	APA-EI41IEC 100MA/DO	.....
S0-112-010-020	APA-EI35IEC 100MA/DO	.....
S0-112-160-000	APA-IE41IEC&100MA/DO 115/230V	.....
S0-112-170-000	APA-EI41IEC&200MA/DO 115/230V	.....
S0-112-230-000	APA-EI41IEC&100MA/DO 115/230V	.....
S0-112-250-000	APA-EI41IEC 200MA/DO	.....
S0-112-250-010	APA-EI41IEC 200MA/DO	.....
S0-112-290-000	APA-EI35EN 100MA/SO 230V 12VDC	A.....
S0-181-500-010	RES, 180-1W	.....
S0-200-2P1-400	HEADER KINDTECH 14P	.....
S0-200-2P1-500	HEADER KINDTECH 15P	.....
S0-222-500-120	RES, 2.2K-1/2W	A.....

PARTS LIST - 3

S0-251-100-000	MIC HOLDER (BLK)	A.....
S0-251-100-010	HOLDER MIC	.....
S0-251-520-000	RUBBER FOOT	A.....
S0-252-010-020	C-LED, 2MM (GRN)	A.....
S0-271-500-010	RES, 270-1W	.....
S0-301-500-030	DYNAMIC RECEIVER 38-21	A.....
S0-321-610-010	C-LED, 3.2-1.6 (RED)	A.....
S0-391-340-010	IC, W91340N	A.....
S0-471-100-3K0	CAP, CER 470PF-3000V	A.....
S0-471-115-000	CAP, CER 470PF-/5	A.....
S0-48P-CD0-000	WALL MOUNT SCREW	A.....
S0-502-000-520	SCREW, ST2-5	A.....
S0-807-000-000	REED RELAY 8V	.....
S0-8PC-D51-400	PCB, 161-137-1.2 /2	A.....
S1-000-300-280	DYNAMIC RECEIVER 28-7.3	.....
S1-000-301-530	DYNAMIC RECEIVER SD-153B 150	A.....
S1-004-700-020	JACK, POWER DC470/MS	A.....
S1-004-700-040	POWER JACK DC HEC0470-01-250	A.....
S1-010-002-910	TELCORD-C04USPP2.2UL	A.....
S1-030-850-000	SFR, 10K	A.....
S1-040-851-030	SFR, 100K	.....
S1-105-102-500	CAP, M 1-250V	A.....
S1-291-000-580	MIC CONDENSER	A.....
S1-291-000-640	MIC CONDENSER CMT64	A.....
S1-300-001-000	SW, SLIDE 1P3T	A.....
S1-474-112-500	CAP, M 0.47-250V	.....
S1-48P-C12-000	HSG SAN-14 110MM	.....
S1-500-271-500	CONN, 15P 1.5MM	A.....
S1-500-451-500	CONN, PIN 15P	.....
S1-58P-C12-000	HSG SAN-15 110MM	.....
S2-101-302-000	CONN, 21P	A.....
S2-200-000-040	SW, SLIDE 2P2T	A.....
S2-201-220-000	SW, HOOK 2P2T	A.....
S2-230-851-000	SFR, 22K	.....
S2-309-024-040	IC, LTV817	A.....
S2-444-220-000	AUDIO TRANSFORMER EI-24	.....
S3-000-000-010	SOLDER PASTE SN63/PB37	A.....
S3-001-640-000	DUPLEXER 31/40MHZ	A.....
S3-001-650-000	DUPLEXER 31/40MHZ	A.....
S3-024-180-000	IC, KA2418B	.....
S3-120-000-000	BUZZER, 12MM	A.....
S3-120-000-010	BUZZER, LF12G-1WC 12MM	A.....
S3-146-319-525	TR, KTC3195Y	A.....
S3-300-700-000	VARISTOR SAS-331KD07 330V	A.....
S3-327-681-000	X'TAL, 32.768KHZ	A.....
S3-351-000-010	PIEZO BUZZER 35MM LF35B-29FB	A.....
S3-910-900-000	VARISTOR, SAS-391KD07	.....
S3-DPX-100-000	DUPLEXER 46/49MHZ	.....
S3-DPX-100-010	DUPLEXER 46/49MHZ	.....
S3-DPX-250-000	DUPLEXER 46/49MHZ	.....
S3-DPX-250-010	DUPLEXER 46/49MHZ	.....
S4-360-070-000	BATT, IN-CD 3.6V	A.....
S4-740-851-000	SFR, 470K(H)	.....
S6-003-580-010	CER, RES0 CSA3.58MG	A.....
S6-102-400-000	X'TAL, 10.24MHZ	.....
S6-102-401-000	X'TAL, 10.24MHZ HC49/U	.....
S6-102-402-000	X'TAL, 10.24MHZ	.....
S6-102-403-000	X'TAL, 10.24MHZ	.....
S6-111-501-000	X'TAL, 11.15MHZ	A.....
S6-111-504-000	X'TAL, 11.15MHZ HC49/U	A.....
S8-004-200-000	TR, KSP42	A.....
S8-004-300-000	TR, KSP43	A.....
S8-009-200-010	TRLPNPGEN-BUK&T0-092	A.....
S8-331-000-000	IC, TA31002P/H31002P/HA31002P	A.....

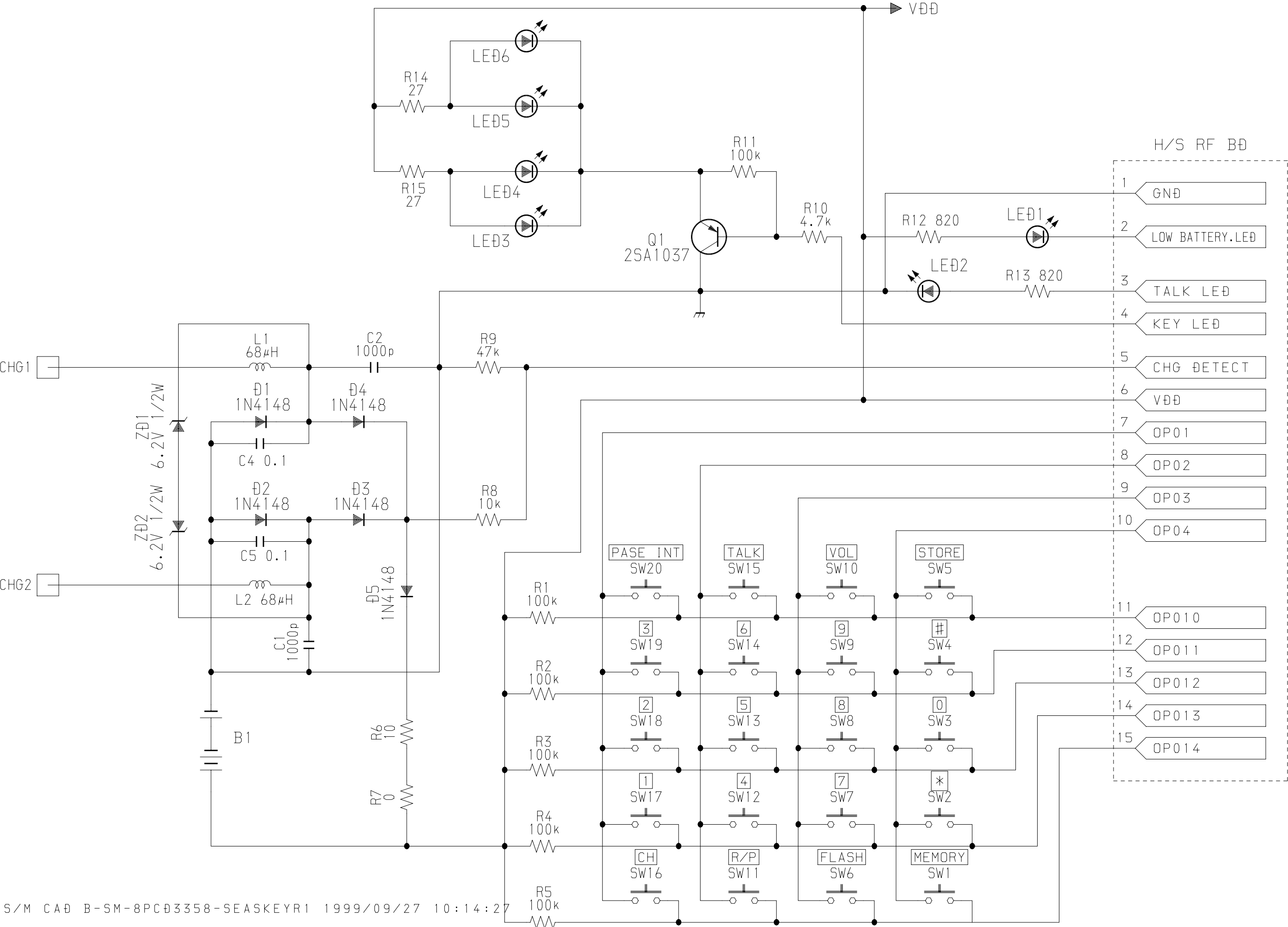
PARTS LIST - 4

S8-PCD-010-100	BASE, TOP (B/U)	.....
S8-PCD-010-200	BASE, TOP	.....
S8-PCD-010-300	BASE TOP	.....
S8-PCD-010-500	BASE, TOP (B/U-BLK)	.....
S8-PCD-010-600	BASE TOP	A.....
S8-PCD-020-000	BASE, BOTTOM	.....
S8-PCD-020-010	BASE BOTTOM	.....
S8-PCD-040-100	KEY, DIAL NO (B/U)	.....
S8-PCD-040-200	KEY, DIAL NO	.....
S8-PCD-050-000	KEY, FUNCTION (B/U)	.....
S8-PCD-050-010	KEY, FUNCTION	A.....
S8-PCD-060-000	KNOB, HANGER (H/S-B/U)	.....
S8-PCD-060-010	KNOB, HANGER	A.....
S8-PCD-070-000	KNOB, HOOK SWITCH (B/U)	.....
S8-PCD-070-010	KNOB, HOOK SWITCH	A.....
S8-PCD-080-000	HANDSET FRONT (B/U-WHITE)	.....
S8-PCD-080-010	HANDSET FRONT	A.....
S8-PCD-090-000	HANDSET BACK (B/U-WHITE)	.....
S8-PCD-090-010	HANDSET BACK	A.....
S8-PCD-100-100	HANDSET FRONT (HS-WHITE)	.....
S8-PCD-100-200	HANDSET FRONT	.....
S8-PCD-100-500	HANDSET FRONT	A.....
S8-PCD-110-100	HANDSET, BACK (H/S)	.....
S8-PCD-110-200	HANDSET BACK (H/S-TN-F206-WHT)	.....
S8-PCD-110-300	HANDSET BACK	.....
S8-PCD-110-500	HANDSET, BACK (H/S)	.....
S8-PCD-110-600	H/S BACK	A.....
S8-PCD-120-000	DOOR, BATT	.....
S8-PCD-120-010	DOOR, BATT	A.....
S8-PCD-120-020	BATT DOOR (H/S-WHITE)	.....
S8-PCD-120-030	DOOR, BATT H/S-W	.....
S8-PCD-130-100	KEY, DIAL NO (H/S)	.....
S8-PCD-130-200	KEYS, DIAL NO	.....
S8-PCD-140-000	TALK BUTTONS (H/S)	.....
S8-PCD-140-010	BTN, TALK	A.....
S8-PCD-160-000	KEY, FUNCTION KEY (H/S)	.....
S8-PCD-160-010	KEY, FUNCTION	A.....
S8-PCD-170-000	KNOB, CAP ANT	.....
S8-PCD-170-010	KNOB, CAP ANT	A.....
S8-PCD-180-100	CHARGE CAB TOP	.....
S8-PCD-180-200	CHARGE CAB TOP (BLK)	A.....
S8-PCD-190-000	CHARGE CAB BOTTOM	.....
S8-PCD-190-010	CHARGE CAB BOTTOM (BLK)	A.....
S8-PCD-200-000	RUBBER KEYPAD 116.5-84.5	A.....
S8-PCD-210-000	RUBBER KEYPAD 107.5-44	A.....
S8-PCD-240-000	HOLDER ANT	.....
S8-PCD-3A0-100	DIAL NO.KEY (H/S-1, 4, 7, *)	.....
S8-PCD-3A0-200	DIAL, NO KEY	.....
S8-PCD-3B0-100	DIAL NO.KEY (H/S-2, 5, 8, 0)	.....
S8-PCD-3B0-200	DIAL, NO KEY	.....
S8-PCD-3C0-100	DIAL NO.KEY (H/S-3, 6, 9, #)	.....
S8-PCD-3C0-200	DIAL, NO KEY	.....
S8-PCD-440-000	ANT, HOLDER H/S	A.....
S8-PCD-480-010	BASE BOTTOM	A.....
S8-PCD-4A0-100	DIAL NO.KEY (B/U-1, 4, 7, *)	.....
S8-PCD-4B0-100	DIAL NO.KEY (B/U-2, 5, 8, 0)	.....
S8-PCD-4C0-100	DIAL NO.KEY (B/U-3, 6, 9, #)	.....
S8-PCD-910-820	INSTRUCTION BOOK (TN-F205AEZ-E)	A.....
S8-PCD-910-920	INSTRUCTION BOOK (TN-F205AEZ-S)	A.....
S9-570-290-000	IC, KIA7029F	A.....
SA-000-420-000	TR, KST42	.....
SA-000-920-020	TR, KST92	.....
SA-010-372-000	TR, 2SA1037AKQ	A.....
SA-038-800-250	TRLNPNSST-RADSOT-23& CHIP	A.....

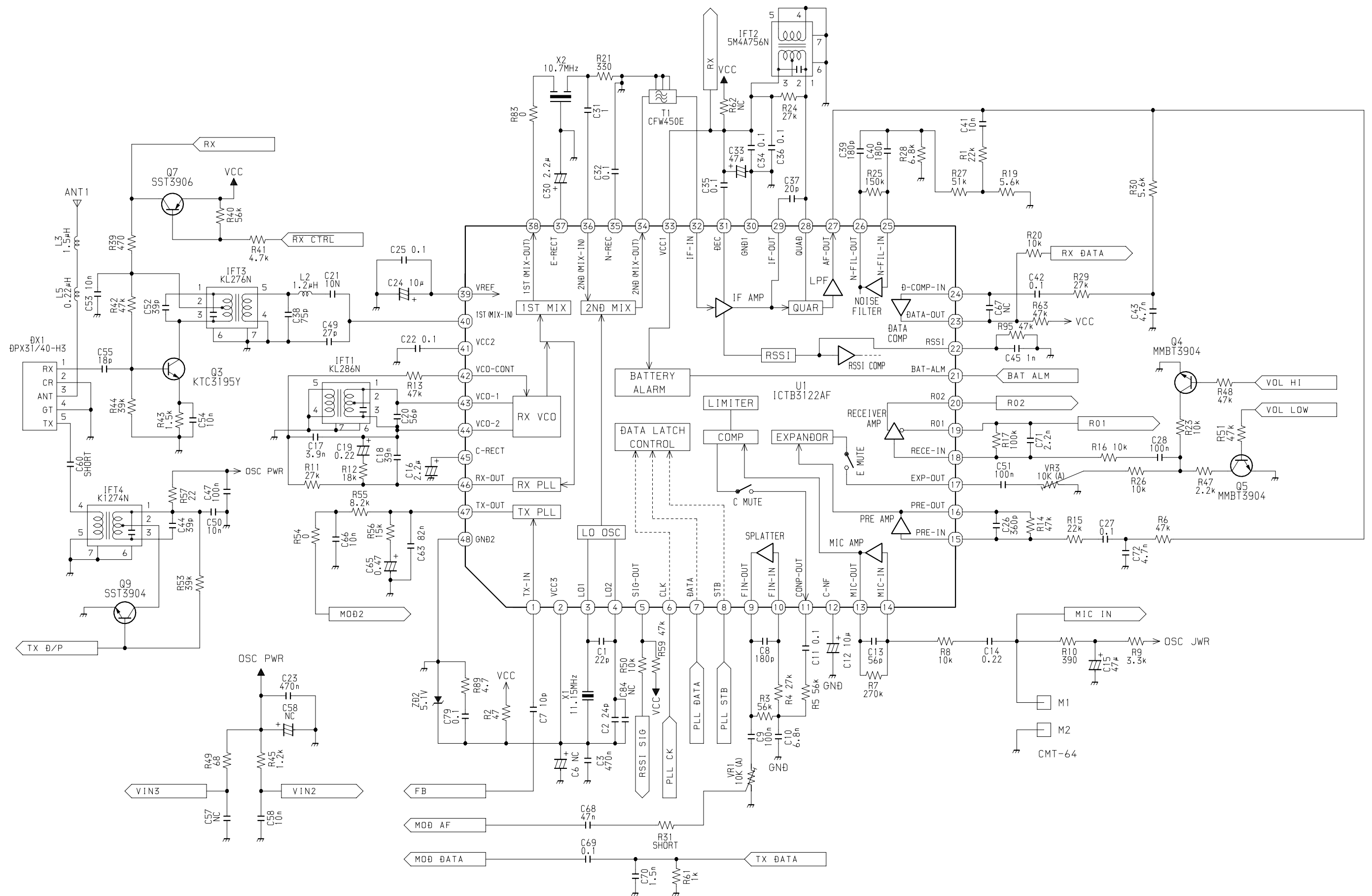
PARTS LIST - 5

SA-039-040-000	C-TR,M(F008-039040-000)	A.....
SA-039-060-010	TRLNPGEN-RADSOT-238 CHIP	A.....
SB-022-048-300	INTERNAL LOCK WASHER 2.2-4.8-0	A.....
SB-032-065-450	INTERNAL LOCK WASHER 3.2-6.5-0	A.....
SB-14B-PH1-400	HEADER JST 14P	.....
SB-15B-PH1-500	HEADER JST 15P	.....
SB-2BE-HA0-200	HEADER JST 2PIN	A.....
SN-YJJ-050-010	TR,DTC114TKA	.....
S0-104-030-000	TELESCOPIC ROD ANT	.....
S0-220-117-000	CONVERTOR 220V-117V	.....
S0-570-000-000	TELCORD-ST2USUS2.2UL	.....
S1-010-002-810	CORD TEL C04USPP2.2UL	.....
S4-360-000-020	BATT,IN-CD 3.6V	.....
S5-560-900-020	TRLNPNPWR-BUK&TO-092	.....
S8-PCD-910-100	INSTRUCTION BOOK(AH-E)	.....
S8-PCD-910-200	INSTRUCTION BOOK(AH-A)	.....
S8-PCD-910-300	INSTRUCTION BOOK(F206AMR-E)	.....
S8-PCD-910-400	INSTRUCTION BOOK(F206AHR-CH)	.....
S8-PCD-910-500	INSTRUCTION BOOK(F206ATH-E)	.....
S8-PCD-910-600	INSTRUCTION BOOK(F206ATH-CH)	.....
S8-PCD-910-700	INSTRUCTION BOOK(TNF206AHJ1B)	

SCHEMATIC DIAGRAM – 1

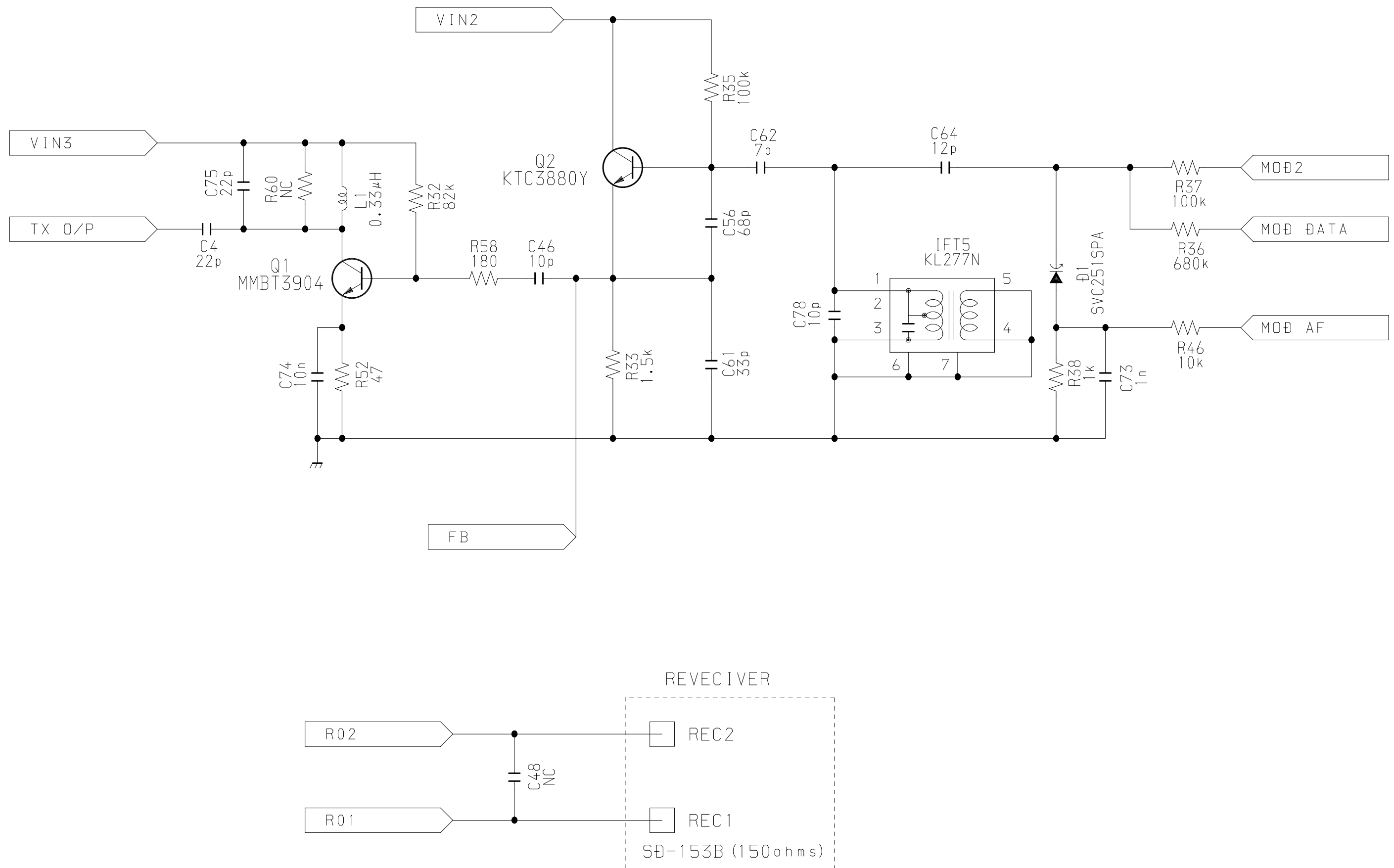


SCHEMATIC DIAGRAM – 2

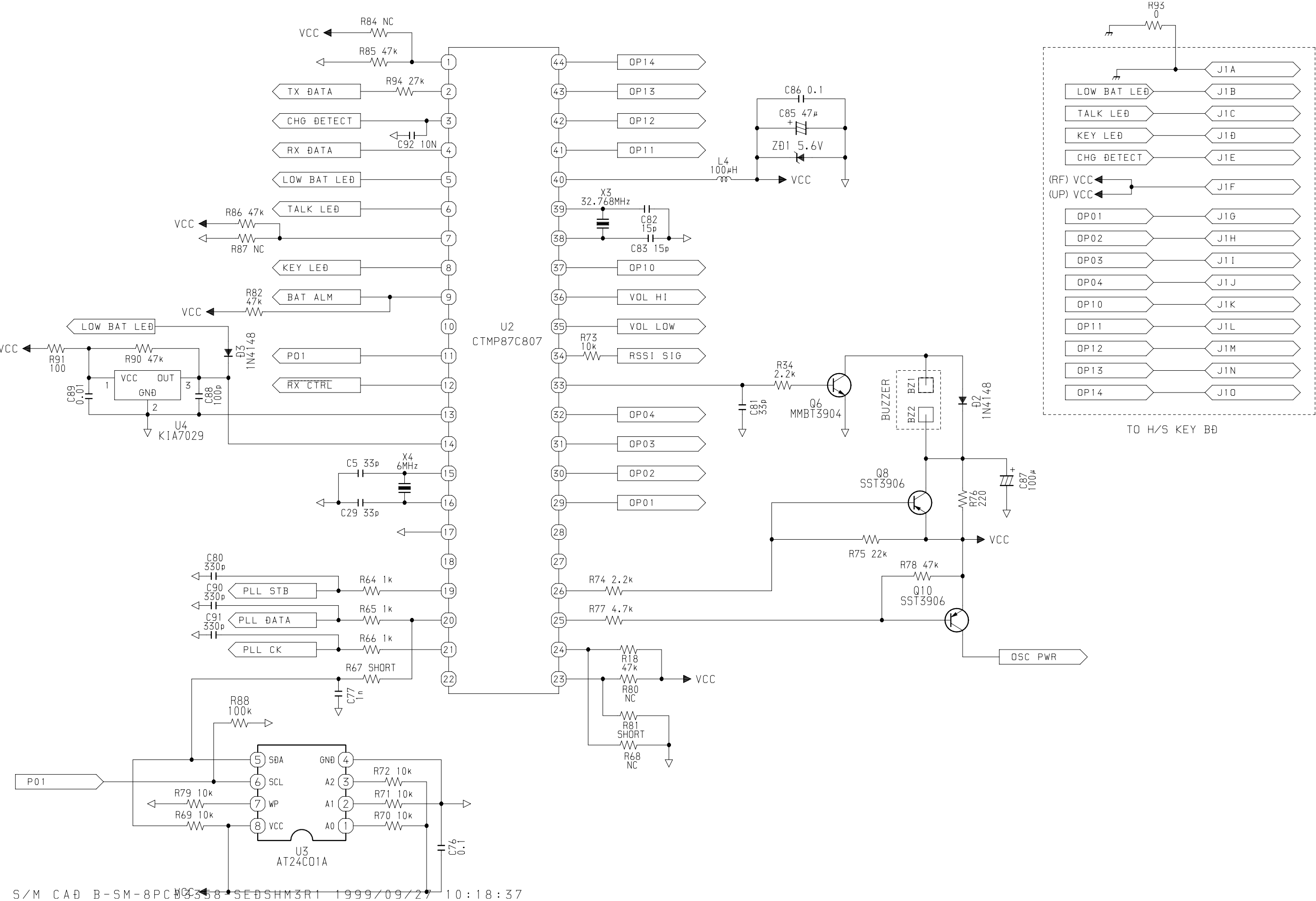


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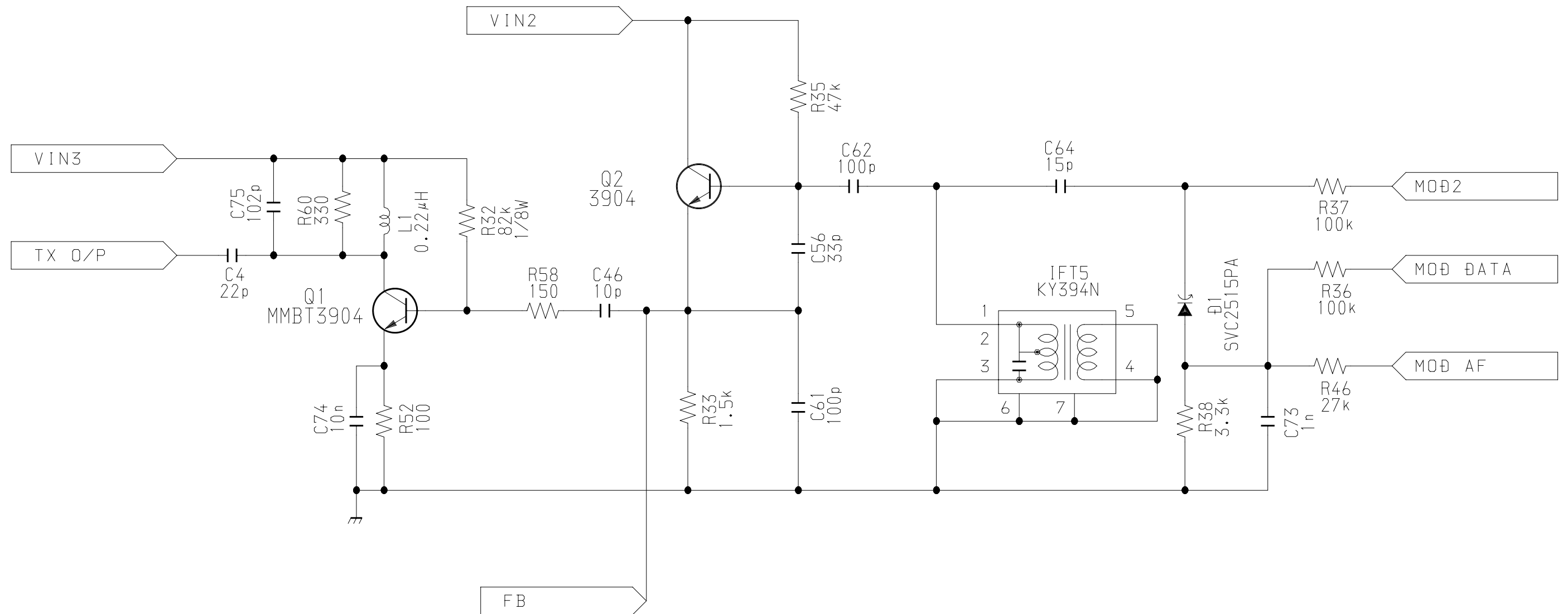
SCHEMATIC DIAGRAM – 3



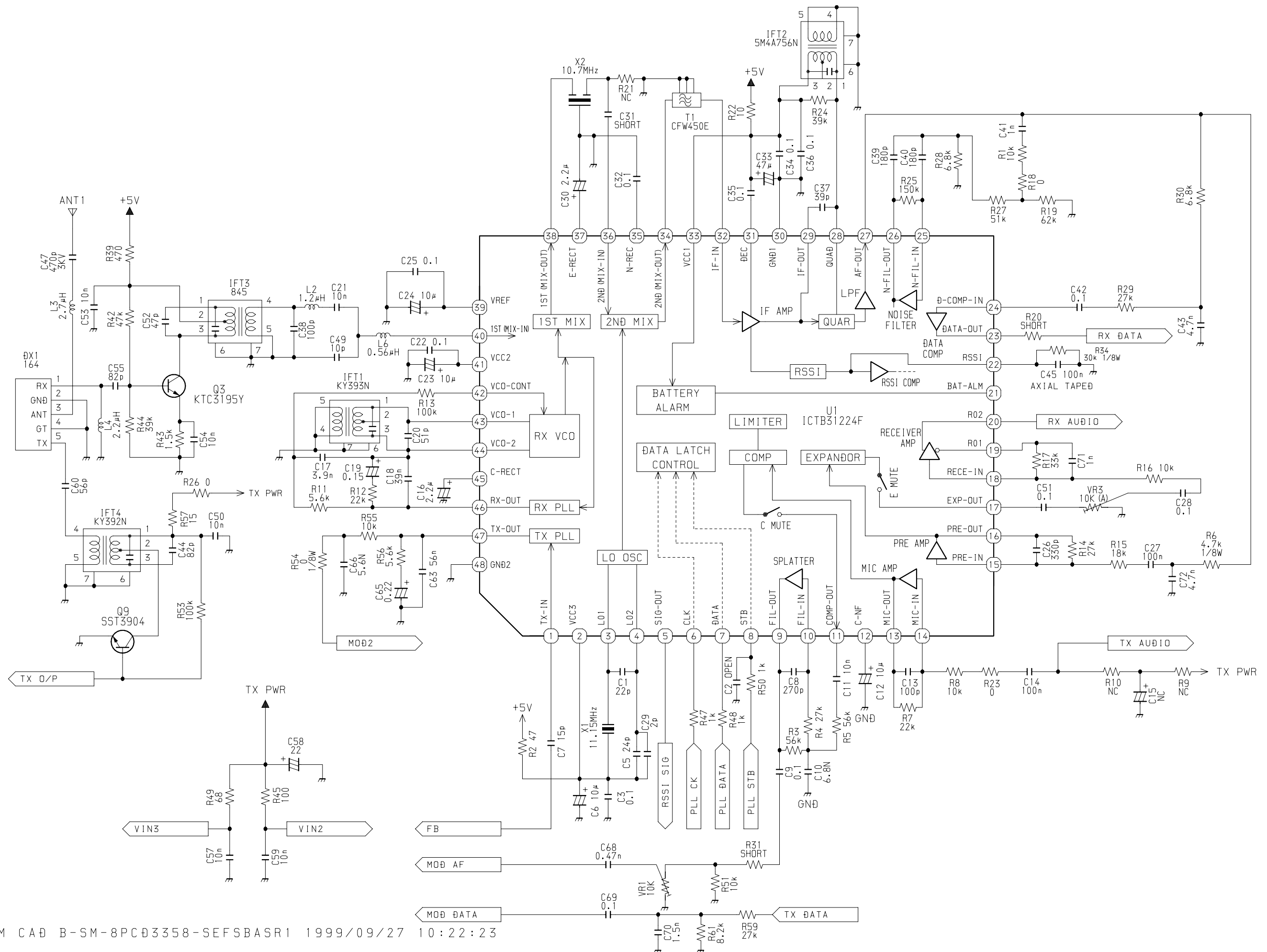
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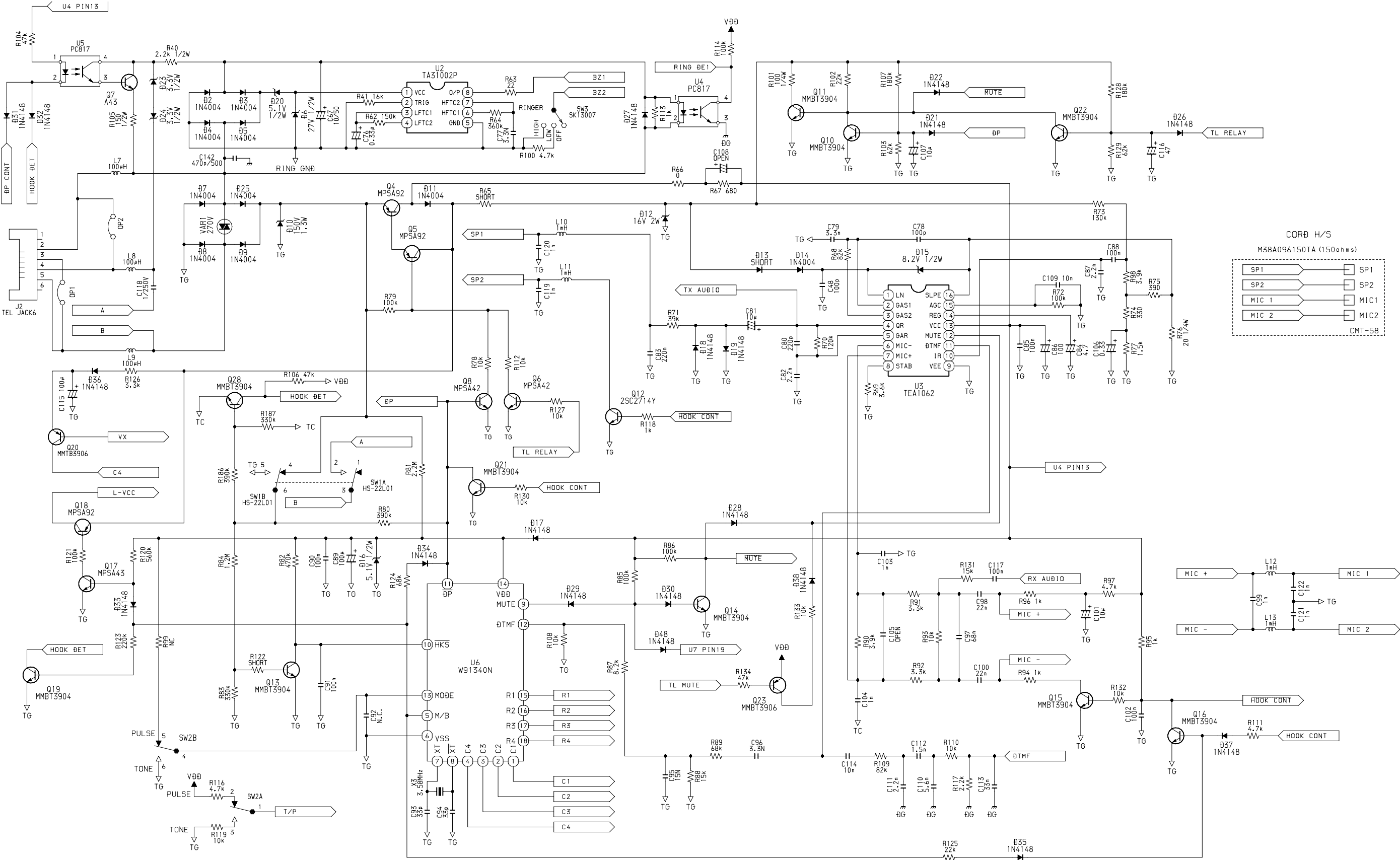
SCHEMATIC DIAGRAM – 5



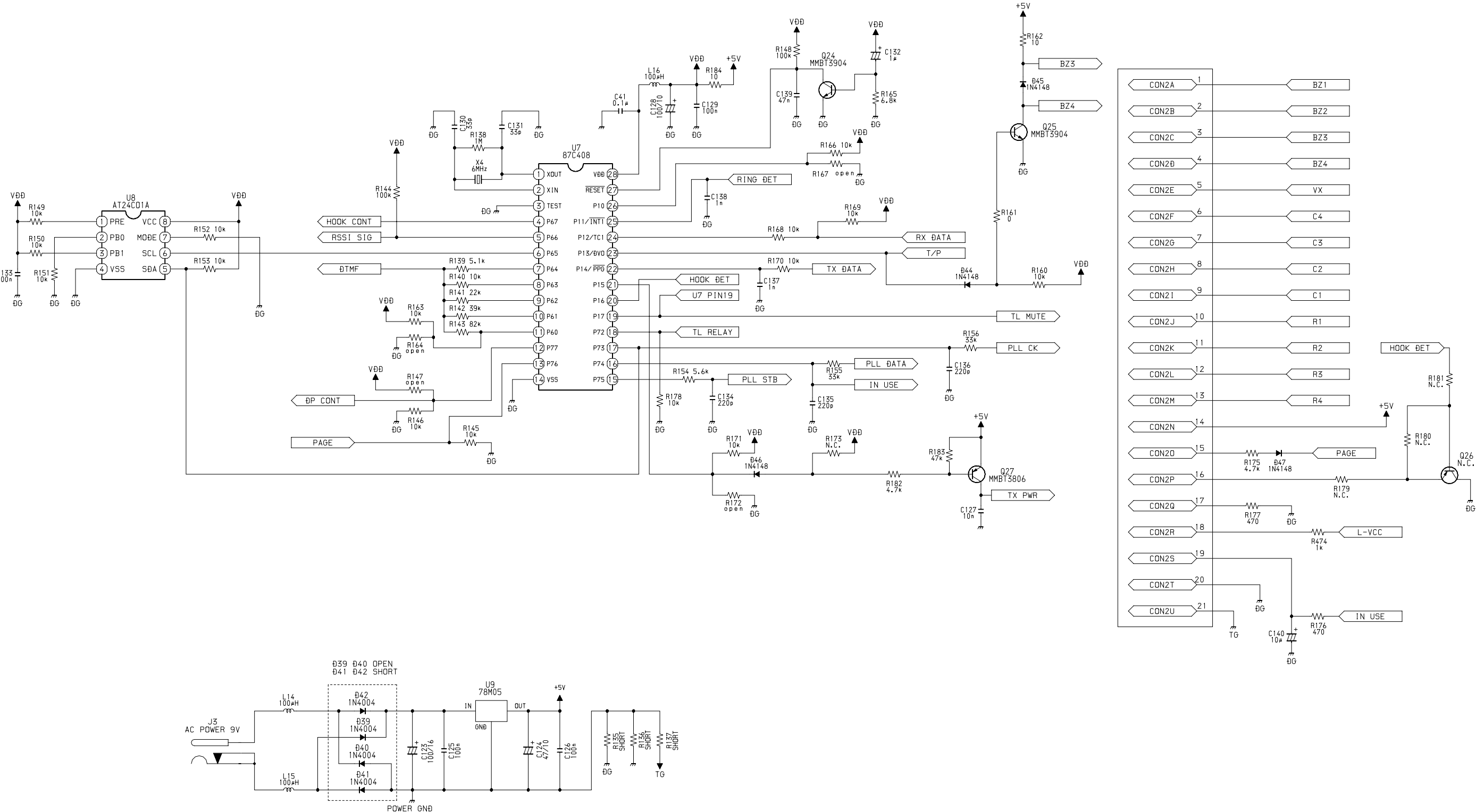
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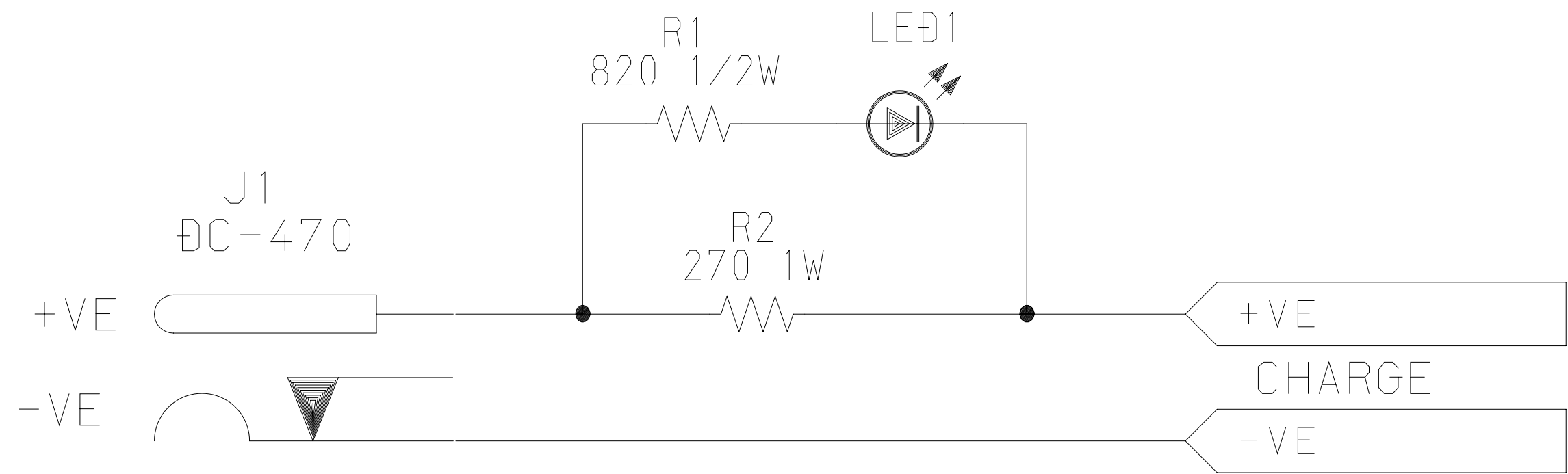


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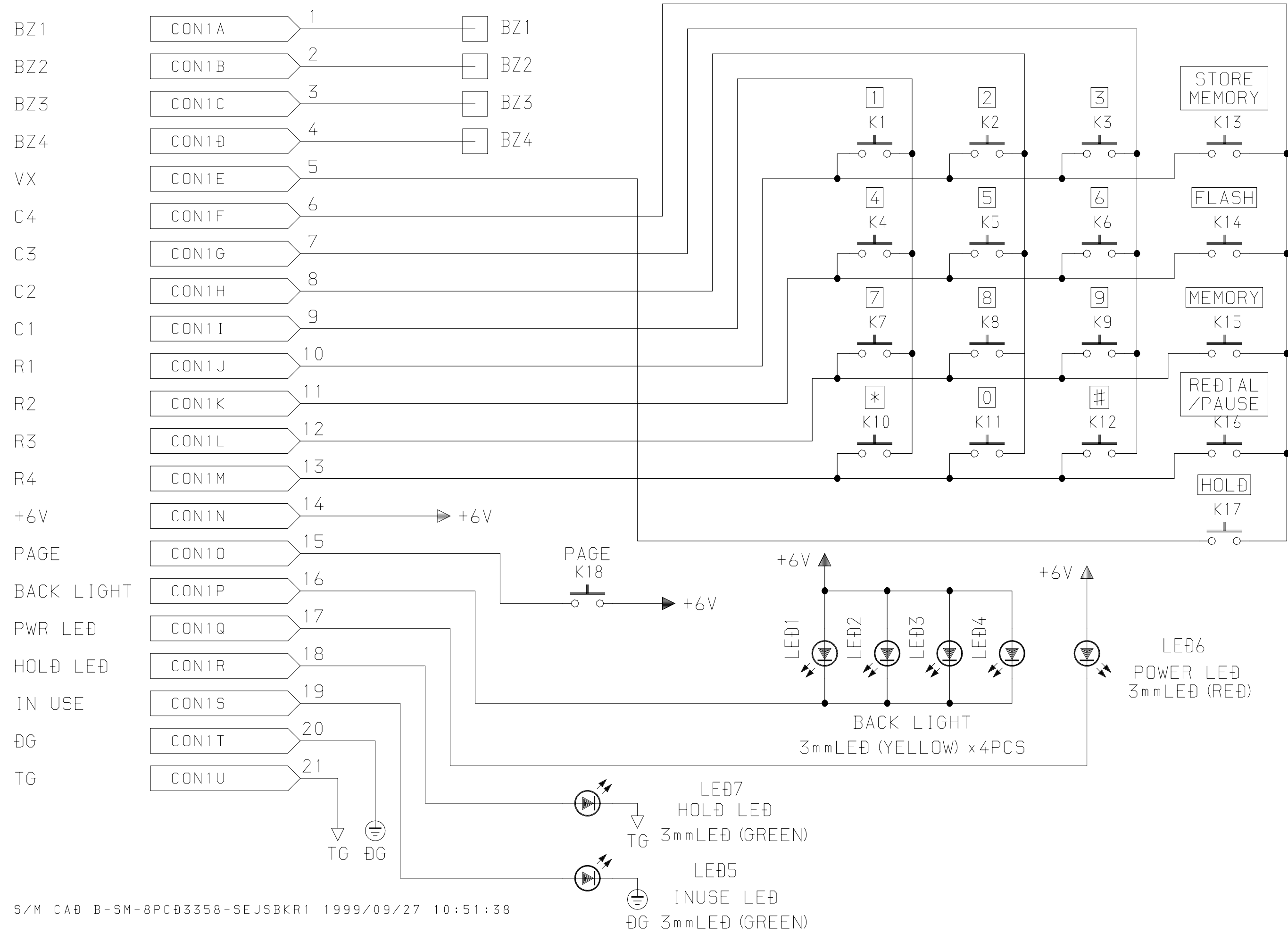


SCHEMATIC DIAGRAM – 8





SCHEMATIC DIAGRAM-10



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