

SYSTEMS BOARD

200-08291-0000 2 CHANNEL, 14 CHANNEL
 200-08291-0001 42 CHANNEL
 200-08291-0002 210 CHANNEL
 200-08291-0013 EQH
 200-08291-0050 EPH 599 2D, 599 DM
 200-08291-0099 COMMON BOM

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY					
					0000	0001	0002	0013	0050	0099
	200-08291-0099	COMMON BOM	A	EA	1.00	1.00	1.00		1.00	
Q	1	013-00173-0000	FERRITE BEAD	A	EA			1.00		1.00
Q	2	013-00173-0000	FERRITE BEAD	A	EA			1.00		1.00
C	1	096-01186-0062	CAP 1.0UF 16V 20%		EA			1.00		1.00
C	2	106-05101-0016	CAP CH100PFNPQ/50V		EA			1.00		1.00
C	3	106-05222-0046	CAP CH 2.2KX7R/50V		EA			1.00		1.00
C	4	106-05222-0046	CAP CH 2.2KX7R/50V		EA			1.00		1.00
C	5	106-05390-0016	CAP CH 39PFNPQ/50V		EA			1.00		1.00
C	6	102-00054-0001	CAP CERAMIC TRIM		EA			1.00		1.00
C	8	106-05221-0048	CAP CH 220X7R/50V		EA			1.00		1.00
C	9	106-04104-0047	CH 100KX7R/50V		EA			1.00		1.00
C	10	106-04104-0047	CH 100KX7R/50V		EA			1.00		1.00
C	11	106-05221-0048	CAP CH 220X7R/50V		EA			1.00		1.00
C	12	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	13	106-00072-0006	CAP CH5.6PFNPQ/50V		EA			1.00		1.00
C	14	106-05102-0047	CAP CH 1K X7R/50V		EA			1.00		1.00
C	15	106-00072-0006	CAP CH5.6PFNPQ/50V		EA			1.00		1.00
C	16	106-00072-0069	CAP CH2.4PFNPQ 50V		EA			1.00		1.00
C	17	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	18	106-05102-0047	CAP CH 1K X7R/50V		EA			1.00		1.00
C	19	096-01186-0062	CAP 1.0UF 16V 20%		EA			1.00		1.00
C	20	106-00120-0000	CAP CHIP SPECIAL	A	EA			1.00		1.00
C	21	106-05087-0327	CAP PC 0.18UF 50V	A	EA			1.00		1.00
C	22	106-00072-0012	CAP CH12PF NPO/50V	A	EA			1.00		1.00
C	23	106-00072-0044	CAP CH 1.5PF		EA			1.00		1.00
C	24	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	25	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	26	106-00072-0046	CAP CH 1PF NPO/50V		EA			1.00		1.00
C	27	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	28	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	29	106-00072-0034	CAP CH 56PFNPQ/50V		EA			1.00		1.00
C	30	106-05682-0046	CAP CH 6.8KX7R/50V		EA			1.00		1.00
C	31	106-00072-0046	CAP CH 1PF NPO/50V		EA			1.00		1.00
C	32	106-05221-0048	CAP CH 220X7R/50V		EA			1.00		1.00
C	33	096-01186-0067	CAP 2.2UF 20V 20%		EA			1.00		1.00
C	34	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	35	106-05221-0048	CAP CH 220X7R/50V		EA			1.00		1.00
C	36	106-04473-0047	CAP CH 47K X7R/50V		EA			1.00		1.00
C	37	106-05182-0047	CAPCH1800PFX7R/50V		EA			1.00		1.00
C	38	097-00213-0045	CAP AL 22UF 35V	A	EA			1.00		1.00
C	39	097-00213-0077	CAP AL 220.UF 16V	A	EA			1.00		1.00
C	40	106-04104-0047	CH 100KX7R/50V		EA			1.00		1.00
C	41	106-06472-0014	CAP CH 4.7K NPO/50		EA			1.00		1.00
C	42	106-06472-0014	CAP CH 4.7K NPO/50		EA			1.00		1.00
C	43	096-01186-0062	CAP 1.0UF 16V 20%		EA			1.00		1.00
C	44	106-00072-0034	CAP CH 56PFNPQ/50V		EA			1.00		1.00
C	45	106-00072-0034	CAP CH 56PFNPQ/50V		EA			1.00		1.00
C	46	096-01186-0062	CAP 1.0UF 16V 20%		EA			1.00		1.00
C	47	106-04104-0047	CH 100KX7R/50V		EA			1.00		1.00
C	48	106-05102-0047	CAP CH 1K X7R/50V		EA			1.00		1.00
C	49	096-01186-0064	CAP 10UF 16V 20%		EA			1.00		1.00
C	50	106-05102-0047	CAP CH 1K X7R/50V		EA			1.00		1.00
C	51	106-05101-0016	CAP CH100PFNPQ/50V		EA			1.00		1.00
C	52	106-04222-0016	CAPCH2200PFNPQ/50V		EA			1.00		1.00
C	53	096-01186-0053	CAP 2.2 UF 5V 20%	A	EA			1.00		1.00
C	54	106-05102-0047	CAP CH 1K X7R/50V		EA			1.00		1.00
C	55	106-05221-0048	CAP CH 220X7R/50V		EA			1.00		1.00
C	56	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	57	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	58	096-01186-0062	CAP 1.0UF 16V 20%		EA			1.00		1.00
C	59	106-05102-0047	CAP CH 1K X7R/50V		EA			1.00		1.00
C	60	106-05102-0016	CAP CH 1K NPO/50V		EA			1.00		1.00
C	61	106-04104-0047	CH 100KX7R/50V		EA			1.00		1.00
C	62	106-05102-0047	CAP CH 1K X7R/50V		EA			1.00		1.00
C	63	106-04104-0047	CH 100KX7R/50V		EA			1.00		1.00

SYSTEMS BOARD

200-08291-000X

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY						
					0000	0001	0002	0013	0050	0099	
C	65	106-05102-0016	CAP CH 1K NPO/50V	EA	-	-	-	1.00	-	1.00	
C	66	106-05102-0016	CAP CH 1K NPO/50V	EA	-	-	-	1.00	-	1.00	
C	67	106-05102-0016	CAP CH 1K NPO/50V	EA	-	-	-	1.00	-	1.00	
CR	1	007-04068-0000	DIODE DUAL VAR	EA	-	-	-	1.00	-	1.00	
CR	2	007-04068-0000	DIODE DUAL VAR	EA	-	-	-	1.00	-	1.00	
CR	3	007-06178-0000	DIO PIN MMBV3401	A	EA	-	-	1.00	-	1.00	
CR	4	007-04133-0000	DIODE VARACTOR	A	EA	-	-	1.00	-	1.00	
CR	5	007-04057-0000	DIO V MMBV105G	EA	-	-	-	1.00	-	1.00	
CR	6	007-06184-0000	DIO DUAL SWITCHING	EA	-	-	-	1.00	-	1.00	
CR	7	007-06178-0003	DIO MV5774C	EA	-	-	-	1.00	-	1.00	
CR	8	007-06184-0000	DIO DUAL SWITCHING	EA	-	-	-	1.00	-	1.00	
I	1	122-06007-0004	EPH PROC OTP EXT	A	EA	1.00	1.00	1.00	1.00	-	
I	1	122-06010-0000	LMR EPH DES OTP ET	A	EA	-	-	-	1.00	-	
I	2	120-06055-0003	4094(SO) REGISTER	A	EA	-	-	1.00	-	1.00	
I	3	120-03475-0000	OP AMP	A	EA	-	-	1.00	-	1.00	
I	4	120-03477-0000	OP AMP	A	EA	-	-	1.00	-	1.00	
I	5	120-06064-0003	HEX 3 STATE BUFFER	A	EA	-	-	1.00	-	1.00	
I	6	120-06095-0002	IC 145048 SO1C	A	EA	-	-	1.00	-	1.00	
I	7	120-02159-0000	EEPROM X2402	A	EA	-	1.00	-	-	-	
I	7	120-02159-0005	EEPROM 16K CMOS	A	EA	1.00	-	1.00	1.00	-	
I	8	120-03274-0000	VOLT REG LM2951ACM	A	EA	-	-	1.00	-	1.00	
I	9	120-03429-0000	AUD AMP SL631CLMP	A	EA	-	-	1.00	-	1.00	
I	11	120-00203-0002	VHF PRESCALER	A	EA	-	-	1.00	-	1.00	
I	12	120-06132-0002	IC FREQ SYN	A	EA	-	-	1.00	-	1.00	
I	13	120-06131-0000	IC QUAD ANLG SW	A	EA	-	-	1.00	-	1.00	
I	14	120-06131-0000	IC QUAD ANLG SW	A	EA	-	-	1.00	-	1.00	
I	15	120-03460-0000	LOW VOLT AMP	A	EA	-	-	1.00	-	1.00	
ITM	1	009-08291-0000	PC VHF SYS BD	A	EA	-	-	1.00	-	1.00	
ITM	2	195-00125-0000	CRYSTAL KIT	EA	-	-	-	1.00	-	1.00	
ITM	3	016-01124-0005	FOAM TAPE	IN	-	-	-	0.50	-	0.50	
ITM	4	026-00030-0000	WIRE CU24AWG TIN	A	IN	-	-	2.00	-	2.00	
ITM	5	016-01184-0000	ELASTOMERIC ADHES	AR	-	-	-	1.00	-	1.00	
ITM	6	016-01124-0003	FOAM TAPE 3BW	IN	-	-	-	0.50	-	0.50	
ITM	7	047-08532-0000	FENCE ASSY	A	EA	-	-	1.00	-	1.00	
ITM	8	013-00175-0000	THREADED CORE	A	EA	-	-	1.00	-	1.00	
ITM	9	150-00009-0010	TUBING TFLN 24AWG	A	IN	-	-	0.25	-	0.25	
J	7	030-03052-0006	BOX CONN STRIP	EA	-	-	-	1.00	-	1.00	
J	8	030-03052-0006	BOX CONN STRIP	EA	-	-	-	1.00	-	1.00	
L	1	019-02660-0017	INDUCT SURFACE MT	EA	-	-	-	1.00	-	1.00	
L	2	019-02660-0014	INDUCT SURFACE MT	EA	-	-	-	1.00	-	1.00	
L	3	019-02660-0018	INDUCT SURFACE MT	EA	-	-	-	1.00	-	1.00	
L	4	019-02660-0019	INDUCT SURFACE MT	EA	-	-	-	1.00	-	1.00	
L	5	019-02660-0028	INDUCT SURFACE MT	EA	-	-	-	1.00	-	1.00	
L	6	019-02660-0028	INDUCT SURFACE MT	EA	-	-	-	1.00	-	1.00	
P	1	030-02219-0021	HEADER STRT 3P	EA	-	-	-	1.00	-	1.00	
P	2	030-03053-0004	2500 SQ TERM STRIP	EA	-	-	-	1.00	-	1.00	
Q	1	007-00537-0000	XSTR PNP MMBT5087	EA	-	-	-	1.00	-	1.00	
Q	2	007-00539-0000	XSTR MMBT10	EA	-	-	-	1.00	-	1.00	
Q	3	007-00539-0000	XSTR MMBT10	EA	-	-	-	1.00	-	1.00	
Q	4	007-00539-0000	XSTR MMBT10	EA	-	-	-	1.00	-	1.00	
Q	5	007-00187-0002	XSTR SOT-23 2N5089	EA	-	-	-	1.00	-	1.00	
Q	6	007-08064-0014	XSTR PNP 4.7K, 10K	EA	-	-	-	1.00	-	1.00	
Q	7	007-08064-0014	XSTR PNP 4.7K, 10K	EA	-	-	-	1.00	-	1.00	
Q	8	007-00065-0001	XSTR 2N3906 (SOT)	EA	-	-	-	1.00	-	1.00	
Q	9	007-08064-0015	TSTR DIGITAL SO	EA	-	-	-	1.00	-	1.00	
Q	10	007-00065-0001	XSTR 2N3906 (SOT)	EA	-	-	-	1.00	-	1.00	
Q	11	007-08064-0017	XSTR NPN 47K, 47K	EA	-	-	-	1.00	-	1.00	
Q	12	007-08064-0014	XSTR PNP 4.7K, 10K	EA	-	-	-	1.00	-	1.00	
Q	13	007-08064-0000	XSTR PNP 10K, 10K	A	EA	-	-	1.00	-	1.00	
Q	14	007-00065-0001	XSTR 2N3906 (SOT)	A	EA	-	-	1.00	-	1.00	
Q	15	007-08064-0005	TSTR DIGITAL SO	A	EA	-	-	1.00	-	1.00	
Q	16	007-08064-0017	XSTR NPN 47K, 47K	EA	-	-	-	1.00	-	1.00	
Q	17	007-08064-0016	XSTR PNP 47K, 47K	EA	-	-	-	1.00	-	1.00	
Q	18	007-08064-0000	XSTR PNP 10K, 10K	A	EA	-	-	1.00	-	1.00	
Q	19	007-08064-0015	TSTR DIGITAL SO	EA	-	-	-	1.00	-	1.00	
Q	20	007-08064-0017	XSTR NPN 47K, 47K	EA	-	-	-	1.00	-	1.00	

SYSTEMS BOARD

200-08291-00XX

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY					
					0000	0001	0002	0013	0050	0099
Q	21	007-00815-0000	XSTR FET MMBF4310	EA	-	-	-	1.00	-	1.00
Q	22	007-00535-0001	XSTR JFET MMBF4392	A	EA	-	-	1.00	-	1.00
Q	24	007-08064-0017	XSTR NPN 47K, 47K	EA	-	-	-	1.00	-	1.00
R	1	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00
R	2	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00
R	3	133-00271-0018	RES VA 100K 20%	EA	-	-	-	1.00	-	1.00
R	4	130-05274-0013	RES CH 270K TW 5%	EA	-	-	-	1.00	-	1.00
R	5	130-05823-0013	RES CH 82K TW 5%	EA	-	-	-	1.00	-	1.00
R	7	130-05244-0013	RES CH 240K TW 5%	EA	-	-	-	1.00	-	1.00
R	8	130-05333-0013	RES CH 33K TW 5%	EA	-	-	-	1.00	-	1.00
R	9	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	10	130-05333-0013	RES CH 33K TW 5%	EA	-	-	-	1.00	-	1.00
R	11	130-05332-0013	RES CH 3.3K TW 5%	EA	-	-	-	1.00	-	1.00
R	12	130-05100-0013	RES CH 10 TW 5%	EA	-	-	-	1.00	-	1.00
R	13	130-05472-0013	RES CH 4.7K TW 5%	EA	-	-	-	1.00	-	1.00
R	14	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	15	131-05623-0003	RES CF 62K TW 5%	A	EA	-	-	1.00	-	1.00
R	16	131-05104-0003	RES CF 100K TW 5%	A	EA	-	-	1.00	-	1.00
R	17	131-05273-0003	RES CF 27K TW 5%	A	EA	-	-	1.00	-	1.00
R	18	131-05104-0003	RES CF 100K TW 5%	A	EA	-	-	1.00	-	1.00
R	19	131-05273-0003	RES CF 27K TW 5%	A	EA	-	-	1.00	-	1.00
R	20	130-05682-0013	RES CH 6.8K TW 5%	EA	-	-	-	1.00	-	1.00
R	21	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00
R	22	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00
R	23	130-05753-0013	RES CH 75K TW 5%	A	EA	-	-	1.00	-	1.00
R	24	130-05473-0013	RES CH 47K TW 5%	EA	-	-	-	1.00	-	1.00
R	25	130-05335-0013	RES CH 3.3M TW 5%	EA	-	-	-	1.00	-	1.00
R	26	130-05184-0013	RES CH 180K TW 5%	EA	-	-	-	1.00	-	1.00
R	27	130-05913-0013	RES CH 91K TW 5%	EA	-	-	-	1.00	-	1.00
R	28	130-05163-0013	RES CH 16K TW 5%	EA	-	-	-	1.00	-	1.00
R	29	130-05151-0013	RES CH 150 TW 5%	EA	-	-	-	1.00	-	1.00
R	30	130-05101-0013	RES CH 100 TW 5%	EA	-	-	-	1.00	-	1.00
R	31	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00
R	32	130-05302-0013	RES CH 3K TW 5%	EA	-	-	-	1.00	-	1.00
R	33	130-05112-0013	RES CH 1.1K TW 5%	EA	-	-	-	1.00	-	1.00
R	34	130-05200-0013	RES CH 20 TW 5%	EA	-	-	-	1.00	-	1.00
R	35	130-05101-0013	RES CH 100 TW 5%	EA	-	-	-	1.00	-	1.00
R	36	130-05302-0013	RES CH 3K TW 5%	EA	-	-	-	1.00	-	1.00
R	37	130-05513-0013	RES CH 51K TW 5%	EA	-	-	-	1.00	-	1.00
R	38	130-05363-0013	RES CH 36K TW 5%	EA	-	-	-	1.00	-	1.00
R	39	130-05153-0013	RES CH 15K TW 5%	EA	-	-	-	1.00	-	1.00
R	40	133-00271-0010	RES VAS 4.7K 100V	A	EA	-	-	1.00	-	1.00
R	41	130-05183-0013	RES CH 18K TW 5%	EA	-	-	-	1.00	-	1.00
R	42	130-05134-0013	RES CH 130 TW 5%	EA	-	-	-	1.00	-	1.00
R	43	130-05623-0013	RES CH 62K TW 5%	EA	-	-	-	1.00	-	1.00
R	44	130-05333-0013	RES CH 33K TW 5%	EA	-	-	-	1.00	-	1.00
R	45	130-05163-0013	RES CH 16K TW 5%	EA	-	-	-	1.00	-	1.00
R	46	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00
R	47	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00
R	48	130-05474-0013	RES CH 470K TW 5%	EA	-	-	-	1.00	-	1.00
R	49	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00
R	50	130-05243-0013	RES CH 24K TW 5%	EA	-	-	-	1.00	-	1.00
R	51	133-00270-0006	RES VA 10K 05W20%	EA	-	-	-	1.00	-	1.00
R	52	130-05473-0012	RES CH 47K TW 2%	A	EA	-	-	1.00	-	1.00
R	53	130-05514-0012	RES CH 510K TW 2%	EA	-	-	-	1.00	-	1.00
R	54	130-05105-0012	RES CH 1M TW 2%	EA	-	-	-	1.00	-	1.00
R	55	131-00913-0012	RES 91K 2%	A	EA	-	-	1.00	-	1.00
R	56	130-05303-0013	RES CH 30K TW 5%	EA	-	-	-	1.00	-	1.00
R	57	130-05683-0013	RES CH 68K TW 5%	EA	-	-	-	1.00	-	1.00
R	59	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	60	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	61	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	62	130-05333-0012	RES CH 33K TW 2%	A	EA	-	-	1.00	-	1.00
R	63	130-05513-0012	RES CH 51K TW 2%	EA	-	-	-	1.00	-	1.00
R	64	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	65	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	66	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	67	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	68	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	69	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00
R	70	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00
R	71	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00

SYSTEMS BOARD

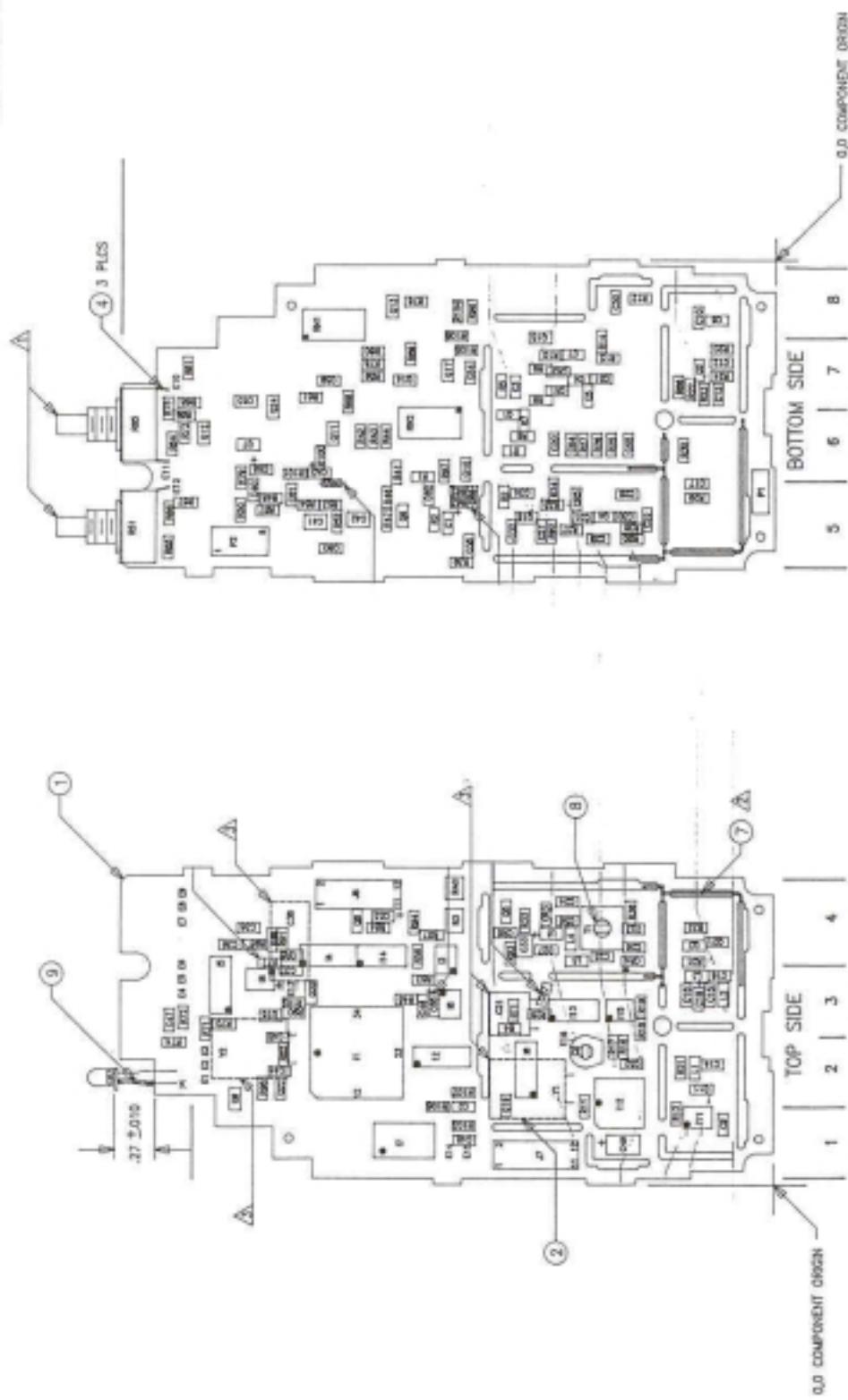
200-08291-00XX

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY						
					0000	0001	0002	0013	0050	0099	
R	72	130-05202-0013	RES CH 2K TW 5%	EA	1.00	1.00	1.00	-	-	-	
R	72	130-05362-0013	RES CH 3.5K TW 5%	A	EA	-	-	-	1.00	-	
R	73	130-05471-0013	RES CH 470 TW 5%	EA	-	-	-	1.00	-	1.00	
R	74	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00	
R	75	130-05682-0013	RES CH 6.8K TW 5%	EA	-	-	-	1.00	-	1.00	
R	76	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00	
R	77	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00	
R	78	130-05153-0013	RES CH 15K TW 5%	EA	-	-	-	1.00	-	1.00	
R	79	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00	
R	80	130-05823-0013	RES CH 82K TW 5%	EA	-	-	-	1.00	-	1.00	
R	81	130-05132-0013	RES CH 1.3K TW 5%	EA	-	-	-	1.00	-	1.00	
R	82	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00	
R	83	130-05335-0013	RES CH 3.3M TW 5%	EA	-	-	-	1.00	-	1.00	
R	84	130-05203-0013	RES CH 20K TW 5%	EA	-	-	-	1.00	-	1.00	
R	85	133-00270-0007	RES VA 100K.08W20%	A	EA	-	-	1.00	-	1.00	
R	86	130-05100-0013	RES CH 10 TW 5%	EA	-	-	-	1.00	-	1.00	
R	87	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00	
R	88	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00	
R	89	130-05243-0013	RES CH 24K TW 5%	EA	-	-	-	1.00	-	1.00	
R	90	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00	
R	91	130-05204-0013	RES CH 1/10W	EA	-	-	-	1.00	-	1.00	
R	92	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00	
R	93	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00	
R	94	130-05335-0013	RES CH 3.3M TW 5%	EA	-	-	-	1.00	-	1.00	
R	95	130-05514-0013	RES CH 510K TW 5%	EA	-	-	-	1.00	-	1.00	
R	96	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00	
R	97	130-05332-0013	RES CH 3.3K TW 5%	EA	-	-	-	1.00	-	1.00	
R	98	130-05104-0013	RES CH 100K TW 5%	EA	-	-	-	1.00	-	1.00	
R	100	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00	
R	101	130-05105-0013	RES CH 1M TW 5%	EA	-	-	-	1.00	-	1.00	
R	102	130-05103-0013	RES CH 10K TW 5%	EA	-	-	-	1.00	-	1.00	
R	103	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00	
R	104	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00	
R	105	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00	
R	106	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00	
R	107	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00	
R	108	130-05102-0013	RES CH 1K TW 5%	EA	-	-	-	1.00	-	1.00	
REF	1	300-08291-0000	VHF SYS BD ASSY	A	RF	-	-	-	X	-	X
REF	2	002-08291-0000	SCH VHF SYS BD	A	RF	X	X	X	-	-	-
REF	2	002-08291-0013	FM SCH SYS BD	A	RF	-	-	-	X	-	-
REF	2	002-08291-0050	SCH SYSTEM BD DES	A	RF	-	-	-	-	X	-
RN	1	015-00208-0006	R/2R NETWORK	A	EA	-	-	-	1.00	-	1.00
RN	2	015-00208-0006	R/2R NETWORK	A	EA	-	-	-	1.00	-	1.00
RT	1	134-01044-0013	THRMSTR SURFACE MT	EA	-	-	-	1.00	-	1.00	
T	1	019-03158-0001	COIL ADJ	A	EA	-	-	-	1.00	-	1.00
Y	1	044-00151-0000	XTAL 10.00MHZ CRTZ	EA	-	-	-	1.00	-	1.00	
Y	2	044-00301-0000	4.00MHZ CRYSTAL	A	EA	-	-	-	1.00	-	1.00

ILLUSTRATED PARTS LIST

EPH SERIES VHF RADIO

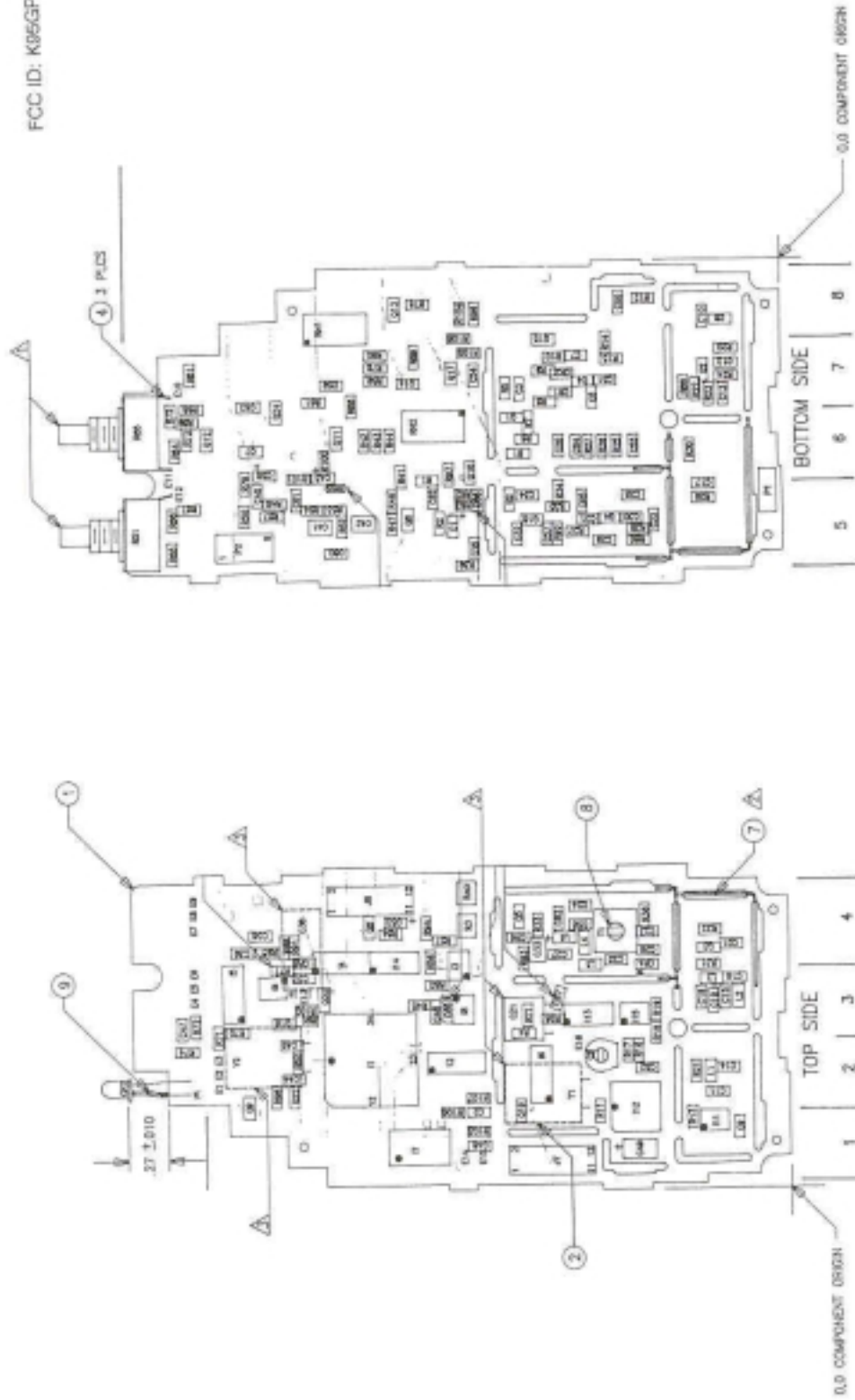
FCC ID: K95GPH151



NOTES: UNLESS OTHERWISE SPECIFIED:

- △ TRIM END OF SWITCH SPRING WANTS FLUSH OR BELOW TOP OF SWITCH BODY.
- △ SWITCHES WILL BE MOUNTED .031 IN. ABOVE BOARD SURFACE.
- △ SNAP FENCE ASSY (ITU 7) INTO BOARD SLOTS FROM TOP SIDE. MAKE SURE THE BOTTOM EDGE OF FENCE REMAINS FLUSH WITH BOARD SURFACE WHILE SOLDERING.
- △ AFFIXING FOLDED DOWN PARTS (ITU 12, 12.021, 12.034).
- 1 & 21 USE BLACKSOLDER (ITU 3).
- 308 USE FOM TAPE (ITU 3).
- 12 USE FOM TAPE (ITU 6).

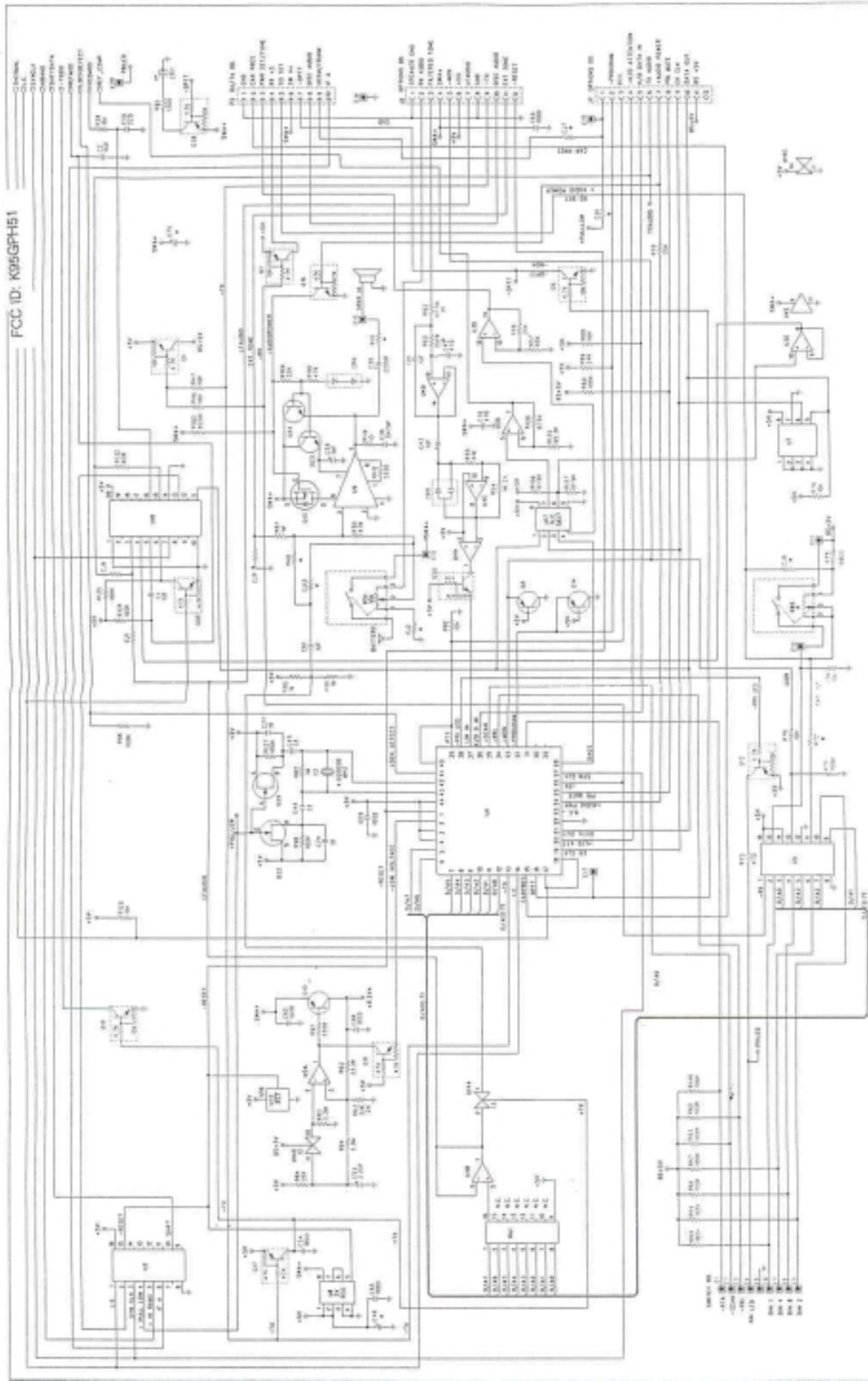
FCC ID: K95GPH51



NOTES: UNLESS OTHERWISE SPECIFIED:

1. TRIM ENDS OF SWITCH SPRING WIRES FLUSH OR BELOW TOP OF SWITCH BODY.
2. SWITCHES WILL BE MOUNTED .031 IN. ABOVE BOARD SURFACE.
3. SWAP FEMUR ASSEMBLY (ITEM 7) INTO BOARD SLOTS FROM TOP SIDE. MAKE SURE THE BOTTOM EDGE OF FEMUR REMAINS FLUSH WITH BOARD SURFACE WHILE SOLDERING.
4. AFFIXING FOLDED DOWN PARTS (Y1, Y2, Z1, Z2).
5. Y1 & Z1: USE ELASTOMERIC.
6. Z2: USE FOAM TAPE (ITEM 3).
7. Y2: USE FOAM TAPE (ITEM 6).

FCC ID: K95GPH51



Nov 6-27

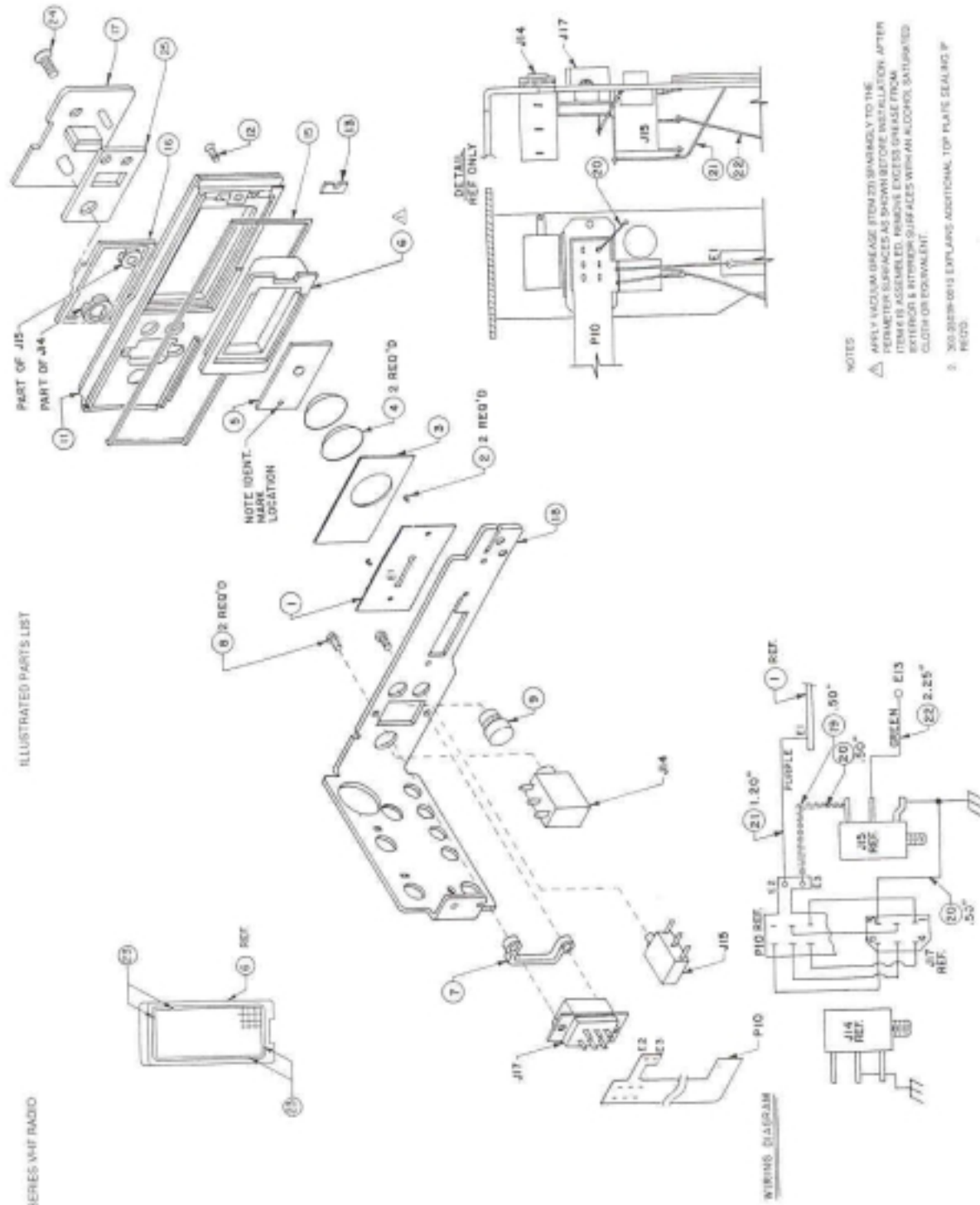
DATE	11/06/2027
DESIGNED BY	W. J. B. (W. J. B.)
CHECKED BY	W. J. B. (W. J. B.)
DATE	11/06/2027
DESIGNED BY	W. J. B. (W. J. B.)
CHECKED BY	W. J. B. (W. J. B.)
DATE	11/06/2027
DESIGNED BY	W. J. B. (W. J. B.)
CHECKED BY	W. J. B. (W. J. B.)

TOP FRAME ASSEMBLY

300-03475-0002
300-03475-0003

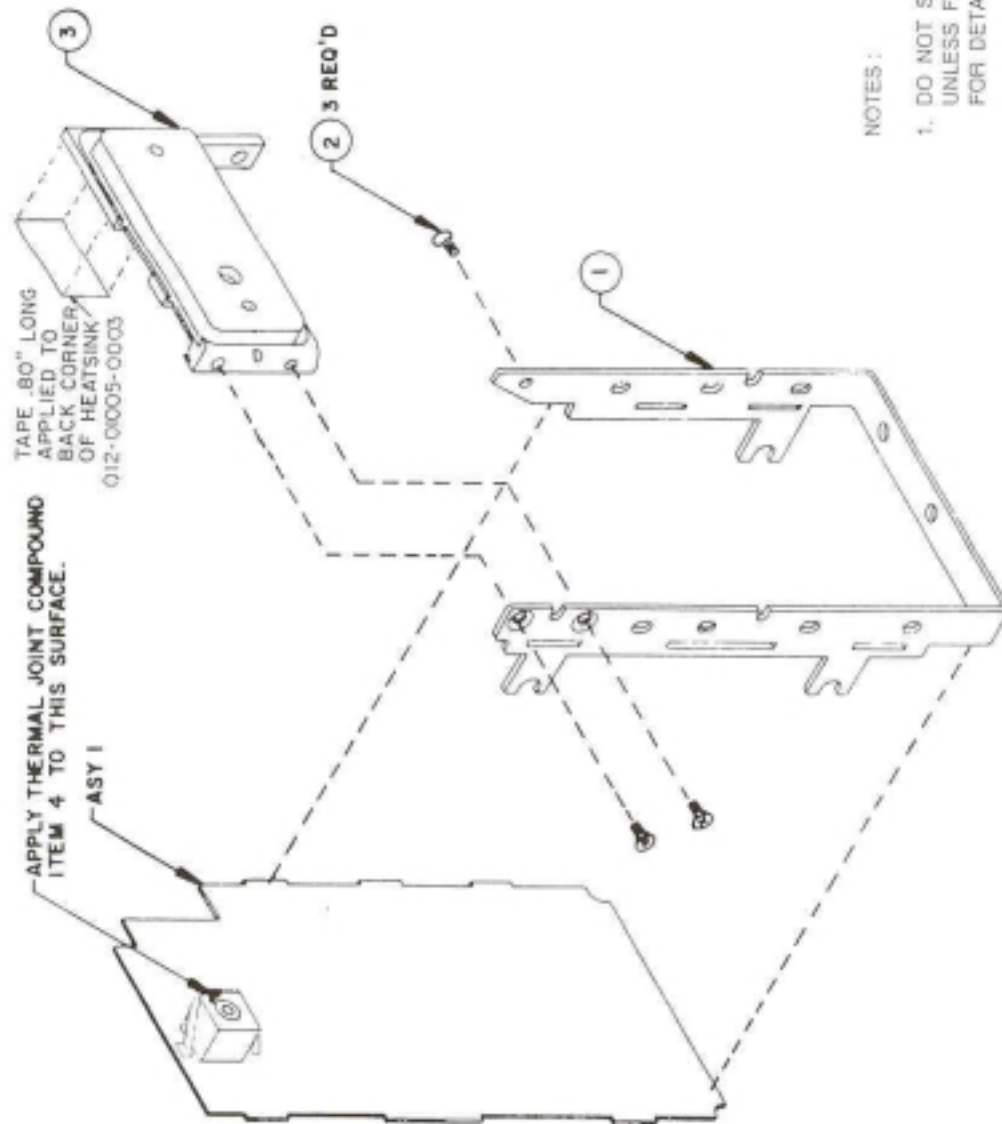
FOR LEXAN CASE
FOR METAL CASE

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY	
					0002	0003
ITM	1	009-06881-0000	PCB PTT SWITCH	EA	1.00	1.00
ITM	2	092-05099-0000	RVT CH .060X.125	A	EA	2.00 2.00
ITM	3	012-01277-0001	SNAP DOME ALGNMNT	EA	1.00	1.00
ITM	4	031-00475-0000	SNAP DOME SWITCH	A	EA	2.00 2.00
ITM	5	088-01303-0000	PTT ACTUATOR	EA	1.00	1.00
ITM	6	088-01295-0001	PTT SWITCH BOOT	A	EA	1.00 1.00
ITM	7	088-01321-0000	OPTIONS PLUG SPCR	EA	1.00	1.00
ITM	8	089-07397-0006	SCR PHP M2.0X6	A	EA	2.00 2.00
ITM	9	076-01437-0000	BLIND PRESS NUT	EA	1.00	1.00
ITM	11	088-02060-0010	SPEC PTT HSG MOD	A	EA	1.00 1.00
ITM	12	089-05159-0005	SCR FHP 2-56X5/16	EA	1.00	1.00
ITM	13	012-01386-0000	SHIM PIT HOUSING	A	EA	1.00 1.00
ITM	15	187-01327-0000	O RING PTT	A	EA	1.00 1.00
ITM	16	187-01328-0000	GASKET	EA	1.00	
ITM	17	088-01313-0000	OPTIONS PLUG COVER	EA		1.00
ITM	17	088-02076-0001	OPTIONS PLUG COVER	A	EA	1.00 1.00
ITM	18	047-07474-0001	TOP FRAME UHF	A	EA	1.00 1.00
ITM	19	150-00003-0010	TUBING TFLN 24AWG	A	IN	0.50 1.50
ITM	20	026-00030-0000	WIRE CU24AWG TIN	A	IN	1.00 0.50
ITM	21	025-00001-0007	WIRE 26 PUR	IN	1.20	1.20
ITM	22	025-00001-0005	WIRE 26 GRN	IN	2.25	2.25
ITM	23	016-01013-0000	VAC GREASE DC 976	AR		1.00
ITM	24	089-07437-0001	SCR FHP M4X6	A	EA	1.00 1.00
ITM	25	187-01746-0000	GASKETS, SIDE CONN	A	EA	1.00 1.00
J	14	033-00128-0000	JACK 3.5MM	A	EA	1.00 1.00
J	15	033-00127-0000	JACK 2.5MM	A	EA	1.00 1.00
J	17	030-02529-0000	CONN RECEPTACLE	EA	1.00	1.00
P	10	009-05911-0000	FLEX CKT UHF PORT	EA	1.00	1.00
REF	1	300-03475-0001	TOP FRAME ASSY	A	RF	X. X.



RX/TX FRAME ASSEMBLY

200-05042-0000		5 WATT					
200-05042-0001		2 WATT					
200-05042-0050		5 WATT DES					
SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY		
					0000	0001	0050
ASY 1	200-08293-0000	EPH R/T	A	EA	1.00		
ASY 1	200-08293-0050	EPH R/T DES	A	EA			1.00
ASY 1	200-08473-0000	VHF P1 RX/TS BD 2W	A	EA		1.00	
ITM 1	047-09528-0001	SUB-FRAME T1 RT	A	EA	1.00	1.00	1.00
ITM 2	089-06004-0003	SCR FHP 2-56X3/16	A	EA	3.00		3.00
ITM 3	073-00614-0001	CSTG HEAT SINK W/F	A	EA	1.00		1.00
ITM 4	016-01004-0000	COMPOUND THRML JNT	A	AR	1.00		1.00
ITM 5	012-01005-0003	TAPE MYLAR .250 W	A	IN	0.80		0.80
REF 1	300-05042-0000	RT FRAME	A	RF	X	X	X



NOTES:

1. DO NOT SOLDER ITEM 1 TO ASSEMBLY 1, UNTIL FINAL ASSEMBLY, UNLESS FIXTURE IS USED. REFERENCE DRAWING 300 - 05038 - 0000 FOR DETAILS.
2. PARTS COMMON TO ALL ASSEMBLIES UNLESS OTHERWISE NOTED IN BOM.
3. 2 WATT ASSEMBLY USES FIXTURE ONLY.

2 WATT RX/TX BOARD

200-08473-0000
200-08473-0050

DES

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY	
					0000	0050
2	013-00173-0000	FERRITE BEAD	A	EA	1.00	1.00
3	013-00173-0000	FERRITE BEAD	A	EA	1.00	1.00
4	013-00172-0000	FERR BEAD SRFC MT	A	EA	1.00	1.00
5	013-00173-0000	FERRITE BEAD	A	EA	1.00	1.00
6	013-00172-0000	FERR BEAD SRFC MT	A	EA	1.00	1.00
7	013-00173-0000	FERRITE BEAD	A	EA	1.00	1.00
8	106-00072-0034	CAP CH 56PFNPO/50V		EA	1.00	1.00
9	106-00072-0058	CAP CR CH 5.1PF		EA	1.00	1.00
10	106-00072-0053	CAP CR CH 3.0PF		EA	1.00	1.00
11	106-05561-0046	CH 560PF 7R/50V		EA	1.00	1.00
12	106-00072-0029	CAP CH 36PFNPO/50V	A	EA	1.00	1.00
13	106-00116-0049	CAP CHIP PORCELAIN	A	EA	1.00	1.00
14	106-00116-0049	CAP CHIP PORCELAIN	A	EA	1.00	1.00
15	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
16	106-05102-0016	CAP CH 1K NPO/50V		EA	1.00	1.00
17	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
18	106-00116-0049	CAP CHIP PORCELAIN	A	EA	1.00	1.00
19	106-00116-0049	CAP CHIP PORCELAIN	A	EA	1.00	1.00
20	106-04104-0047	CH 100KX7R/50V		EA	1.00	1.00
21	106-05561-0046	CH 560PF 7R/50V		EA	1.00	1.00
22	106-05561-0046	CH 560PF 7R/50V		EA	1.00	1.00
23	106-05103-0046	CAP CH 10K X7R/50V		EA	1.00	1.00
24	106-05102-0016	CAP CH 1K NPO/50V		EA	1.00	1.00
25	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
26	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
27	106-00072-0012	CAP CH 12PF NPO/50V	A	EA	1.00	1.00
28	106-00072-0032	CAP CH 47PFNPO/50V		EA	1.00	1.00
29	106-00072-0010	CAP CH 8.2PFNPO/50V		EA	1.00	1.00
30	106-00072-0010	CAP CH 8.2PFNPO/50V		EA	1.00	1.00
31	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
32	106-05103-0046	CAP CH 10K X7R/50V		EA	1.00	1.00
33	106-05103-0046	CAP CH 10K X7R/50V		EA	1.00	1.00
34	106-05121-0016	CAP CH 120PFNPO/50V		EA	1.00	1.00
35	106-05121-0016	CAP CH 33PFNPO/50V		EA	1.00	1.00
36	106-04473-0048	CAP CH 47K X7R/50V		EA	1.00	1.00
37	106-04473-0048	CAP CH 47K X7R/50V		EA	1.00	1.00
38	106-05121-0016	CAP CH 120PFNPO/50V		EA	1.00	1.00
39	106-05221-0048	CAP CH 220KX7R/50V		EA	1.00	1.00
40	106-05561-0046	CH 560PF 7R/50V		EA	1.00	1.00
41	106-05121-0016	CAP CH 120PFNPO/50V		EA	1.00	1.00
42	106-05560-0016	CAP CH 56PFNPO/50V		EA	1.00	1.00
43	106-05560-0016	CAP CH 56PFNPO/50V		EA	1.00	1.00
44	106-05122-0047	CAP CH 200PFX7R/50V		EA	1.00	1.00
45	106-05332-0047	CAP CH 3.3KX7R/50V10		EA	1.00	1.00
46	106-05222-0046	CAP CH 2.2KX7R/50V		EA	1.00	1.00
47	106-04104-0047	CH 100KX7R/50V		EA	1.00	1.00
48	106-00072-0016	CAP CH 15PFNPO/50V		EA	1.00	1.00
49	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
50	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
51	006-01186-0062	CAP 1.0UF 16V 20%		EA	1.00	1.00
52	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
53	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
54	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
55	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
56	106-00072-0042	CAP CH 33PFNPO/50V		EA	1.00	1.00
57	106-00072-0034	CAP CH 56PFNPO/50V		EA	1.00	1.00
58	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
59	106-05103-0046	CAP CH 10K X7R/50V		EA	1.00	1.00
60	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
61	106-00072-0042	CAP CH 33PFNPO/50V		EA	1.00	1.00
62	106-00072-0061	CAP CR CH 9.1PF		EA	1.00	1.00
63	106-00072-0032	CAP CH 47PFNPO/50V		EA	1.00	1.00
64	106-00072-0044	CAP CH 1.5PF		EA	1.00	1.00
65	106-00072-0034	CAP CH 56PFNPO/50V		EA	1.00	1.00
66	106-00072-0010	CAP CH 8.2PFNPO/50V		EA	1.00	1.00
67	106-00072-0020	CAP CH 20PFNPO/50V		EA	1.00	1.00
68	106-00072-0034	CAP CH 56PFNPO/50V		EA	1.00	1.00
69	106-05561-0046	CH 560PF 7R/50V		EA	1.00	1.00
70	106-05102-0047	CAP CH 1K X7R/50V		EA	1.00	1.00
71	006-01186-0064	CAP 10UF 16V 20%		EA	1.00	1.00

2 WATT RX/TX BOARD

200-08473-00XX

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY	
					0000	0050
C	78	106-05103-0046	CAP CH 10K X7R/50V	EA	1.00	1.00
C	79	056-01186-0062	CAP 1.0UF 16V 20%	EA	1.00	1.00
C	80	106-04104-0047	CH 100KX7R/50V	EA	1.00	1.00
C	81	106-05103-0047	CAP CH 1K X7R/50V	EA	1.00	1.00
C	87	056-01186-0062	CAP 1.0UF 16V 20%	EA	1.00	1.00
C	88	106-00072-0004	CAP CH4 7PFNPO/50V	EA	1.00	1.00
C	101	106-00072-0026	CAP CH 27PFNPO/50V	EA	1.00	1.00
C	102	106-00072-0050	CAP CR CH 2.0PF	EA	1.00	1.00
C	103	106-00072-0044	CAP CH 1.5PF	EA	1.00	1.00
C	104	106-00072-0002	CAP CH3.9PFNPO/50V	EA	1.00	1.00
C	105	106-00072-0025	CAP CH 27PFNPO/50V	EA	1.00	1.00
C	106	106-00072-0032	CAP CH 47PFNPO/50V	EA	1.00	1.00
CR	1	007-06418-0000	PIN DIODE	A EA	1.00	1.00
CR	2	007-04134-0000	VARACTOR SET OF 4	A EA	1.00	1.00
CR	6	007-06188-0000	DIO HOT CARRIER	A EA	1.00	1.00
CR	7	007-06188-0000	DIO HOT CARRIER	A EA	1.00	1.00
CR	8	007-06188-0000	DIO HOT CARRIER	A EA	1.00	1.00
CR	9	007-06188-0000	DIO HOT CARRIER	A EA	1.00	1.00
CR	13	007-06418-0000	PIN DIODE	A EA	1.00	1.00
CR	14	007-06226-0001	SOT23 DIO MMBD352	A EA	1.00	1.00
FL	1	017-00096-0000	XTAL FLTR 16.9MHZ	EA	1.00	1.00
FL	1	017-00139-0000	16.9MHZ XTAL FILTE	A EA	1.00	1.00
FL	2	017-00106-0000	FLTR CR 455KHZ	EA	1.00	1.00
FL	2	017-00140-0000	455KHZ CER FILTER	A EA	1.00	1.00
FL	3	017-00137-0000	DISCRIMINATOR CER	A EA	1.00	1.00
I	2	120-03193-0000	IC FM/IF MC33570	A EA	1.00	1.00
I	3	120-03473-0000	OP AMP	A EA	1.00	1.00
ITM	1	009-08473-0000	PCBD 2W R/T BD	A EA	1.00	1.00
ITM	2	016-01004-0000	COMPOUND THRML JNT	AR	1.00	1.00
ITM	3	090-00388-0000	HEAT SINK TC-5	EA	1.00	1.00
ITM	4	091-00320-0000	INSUL TC-5	EA	1.00	1.00
ITM	8	016-01124-0002	FOAM TAPE .38W	IN	0.35	0.35
ITM	9	016-01124-0002	FOAM TAPE .38W	IN	0.35	0.35
ITM	10	016-01124-0002	FOAM TAPE .38W	IN	0.50	0.50
ITM	11	047-06735-0001	CAN DUAL COIL	EA	2.00	2.00
ITM	50	047-09979-0000	SHIELD DES OPTION	A EA	1.00	1.00
J	1	030-01386-0001	SOCKET MINATURE SPRG	EA	3.00	3.00
J	2	030-01386-0001	SOCKET MINATURE SPRG	EA	8.00	8.00
J	3	030-00417-0000	20 DGR CONN RCPTBL	EA	1.00	1.00
L	1	019-02660-0048	INDUCT SURF MT	A EA	1.00	1.00
L	2	019-02701-0001	MOLDED INDUCT	A EA	1.00	1.00
L	3	019-02701-0002	MOLDED INDUCTOR	A EA	1.00	1.00
L	4	019-02701-0002	MOLDED INDUCTOR	A EA	1.00	1.00
L	5	019-02701-0000	MOLDED INDUCTOR	A EA	1.00	1.00
L	7	019-02660-0048	INDUCT SURF MT	A EA	1.00	1.00
L	8	019-02660-0044	INDUCT SURF MT	A EA	1.00	1.00
L	10	019-02660-0046	INDUCT SURFACE MT	A EA	1.00	1.00
L	12	019-02660-0050	INDUCT SURF MT	A EA	1.00	1.00
L	13	019-02660-0046	INDUCT SURFACE MT	A EA	1.00	1.00
L	14	019-02660-0046	INDUCT SURFACE MT	A EA	1.00	1.00
L	15	019-02660-0003	INDUCT SURFACE MT	EA	1.00	1.00
L	16	019-02660-0047	INDUCT SURF MT	A EA	1.00	1.00
L	18	019-02660-0012	INDUCT SURFACE MT	EA	1.00	1.00
L	19	019-02660-0042	INDUCT SURFACE MT	A EA	1.00	1.00
L	21	019-02660-0030	INDUCT SURFACE MT	EA	1.00	1.00
L	24	019-02714-0000	COIL AIR WOUND	A EA	1.00	1.00
L	25	019-02717-7205	ST .072 24 AWG	A EA	1.00	1.00
L	26	019-02717-8205	ST .082 24 AWG	A EA	1.00	1.00
L	101	019-02660-0033	INDUCT SURFACE MT	EA	1.00	1.00
L	102	019-02660-0039	INDUCT SURFACE MT	EA	1.00	1.00
Q	1	007-00943-0000	XSTR RF NPN	A EA	1.00	1.00
Q	2	007-08064-0017	XSTR NPN 47K 47K	EA	1.00	1.00
Q	3	007-08064-0015	TSTR DIGITAL SO	EA	1.00	1.00
Q	4	007-00529-0000	XSTR NPN MMBTH24	EA	1.00	1.00
Q	6	007-00187-0002	XSTR SOT-23 2N5089	EA	1.00	1.00
Q	7	007-00907-0000	XSTR 9FQ17	EA	1.00	1.00

