

PRESIDENT

**JOHNNY III
HARRY III ASC
12/24**

SERVICE MANUAL

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-TECNNICAL CHARACTERITICS

JOHNNY III ASC 12/24 (config: EU PL d In)

1-GENERAL:

-Multiconfiguration (EU, PL, d, In)

-EU ⇒ 40 channels AM 4W (from 26,965Mhz to 27,405Mhz)

-PL ⇒ 40 channels AM 4W (from 26,960Mhz to 27,400Mhz)

-d ⇒ 40 channels AM 4W (from 26,965Mhz to 27,405Mhz)

-In ⇒ 27 channels AM 4W (from 26,965Mhz to 27,275Mhz)

-Channel step

-10KHz

-Class of emission

-AM(A3E)

-Power supply

-12V/24V/ From10,8V to 31,2V

-Antenna impedance

-50Ω

-Dimensions(in mm)

-125(W)x150(D)x45(H)

-Weight

-0,7Kg

2-TRANSMISSION:

-Frequency allowance

-±300Hz

-Transmission interference

-Inferior to 4nW(-54dBm)

-Audio frequency response

-From 300Hz to 3kHz in AM

-Emitted power in the adjacent channel

-Inferior to 20μW

-Microphone sensitivity

-Inferior to 10mV

-Current drain

-1,7A(in transmission mode with modulation)

-Modulated signal distortion

-Inferior to 2%

3-RECEPTION:

-Maximum sensitivity at 20dB sinad

-0,5 μ V(-113dBm) AM

-Audio frequency response

-From 300Hz to 3kHz in AM

-Adjacent channel selectivity

-Superior to 60dB

-Frequency image rejection

-Superior to 60dB

-Intermodulation response

-Superior to 54dB

-Maximum audio power

-2W

-Squelch sensitivity

-Threshold 0,2 μ V(-120dBm)/Tight 1mV(-47dBm)

-Current drain

-300mA nominal/600mA maximum

-TECNNICAL CHARACTERITICS

HARRY III ASC 12/24 (config: EU PL d EC U In)

1-GENERAL:

-Multiconfiguration (EU, PL, d, EC, U, In)

- EU ⇒ 40 channels AM/FM 4W (from 26,965Mhz to 27,405Mhz)
- PL ⇒ 40 channels AM/FM 4W (from 26,960Mhz to 27,400Mhz)
- d ⇒ 80 channels FM 4W (from 26,565Mhz to 27,405Mhz)
40 channels AM 4W (from 26,965Mhz to 27,405Mhz)
- EC ⇒ 40 channels FM 4W (from 26,965Mhz to 27,405Mhz)
- U ⇒ 40 channels CEPT AM/FM 4W (from 26,965Mhz to 27,405Mhz)
40 channels FM UK 4W (from 27,60125Mhz to 27,99125Mhz)
- In ⇒ 27 channels AM/FM 4W (from 26,965Mhz to 27,275Mhz)

-Channel step

-10KHz

-Class of emission

-AM(A3E)/FM(F3E)

-Power supply

-12V/24V/ From10,8V to 31,2V

-Antenna impedance

-50Ω

-Dimensions(in mm)

-125(W)x150(D)x45(H)

-Weight

-0,7Kg

2-TRANSMISSION:

-Frequency allowance

-±300Hz

-Transmission interference

-Inferior to 4nW(-54dBm)

-Audio frequency response

-From 300Hz to 3kHz in AM/FM

-Emitted power in the adjacent channel

-Inferior to 20μW

-Microphone sensitivity

-Inferior to 10mV

-Current drain

-1,7A(in transmission mode with modulation)

-Modulated signal distortion

-Inferior to 2%

3-RECEPTION:

-Maximum sensitivity at 20dB sinad

-0,5 μ V(-113dBm) AM/FM

-Audio frequency response

-From 300Hz to 3kHz in AM/FM

-Adjacent channel selectivity

-Superior to 60dB

-Frequency image rejection

-Superior to 60dB

-Intermodulation response

-Superior to 54dB

-Maximum audio power

-2W

-Squelch sensitivity

-Threshold 0,2 μ V(-120dBm)/Tight 1mV(-47dBm)

-Current drain

-300mA nominal/600mA maximum

ALIGNMENT PROCEDURE

(JOHNNY III ASC 12/24)
(HARRY III ASC 12/24)

*** VCO/PLL PORTION**

- Alignment procedure
 - Test points
 - Frequencies chart

*** TRANSMITTER**

- Alignment procedure
 - Test points

*** RECEIVER**

- Alignment procedure
 - Test points

Test equipment required

Frequency counter 200 Mhz	HF Generator
DC Voltmeter	BF Voltmeter
Distortimeter	HF Voltmeter
Wattmeter - Dummy load	Osilloscope
FM linear detector	Load 8 Ω
AF generator	Sinad meter

Conditions of Measurements on HF Generator

Reception

AM mode: Level - 107 dBm Frequency 1 KHz with 60% of modulation.
FM mode: Level - 107 dBm Frequency 1 KHz with 1,2KHz of deviation.

Transmission

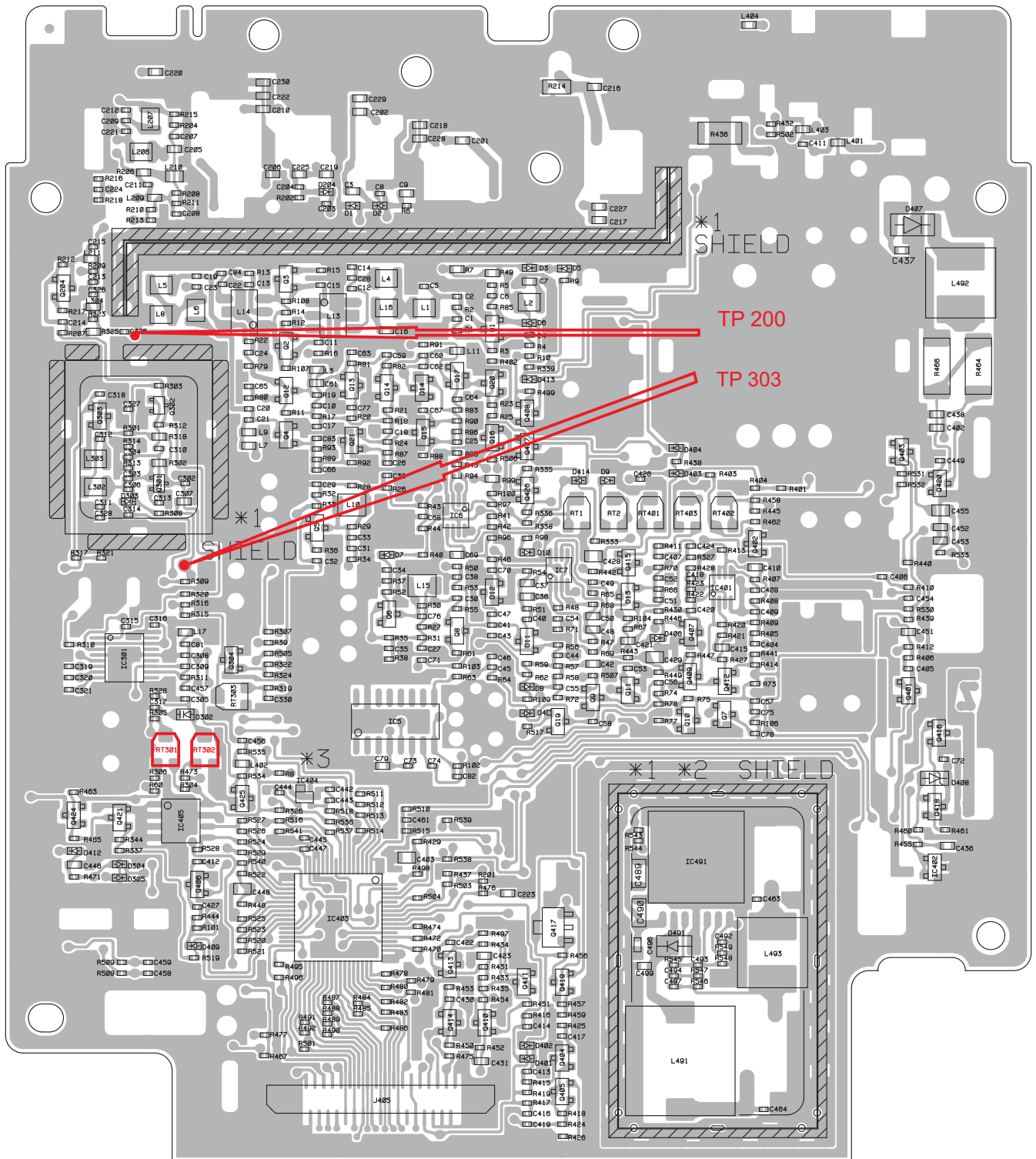
Frequency 1 KHz 30mV.

ALIGNMENT VCO/PLL

1 - Alignment procedure (13,2V/26,4V;configuration"EU")

STEP	CONDITION	ADJUSTMENT	REMARKS OF ADJUSTMENT
1	FM(UK Eng) RX mode Channel 20	RT301	Connect a frequency counter to TP200, and adjust RT301 to reach 38,48625MHz.
2	AM/FM(EU) RX mode Channel 20	RT302	Connect a frequency counter to TP200, and adjust RT302 to reach 37,900MHz.
3	AM/FM(EU) TX/RX mode Channel 40		Connect a voltmeter to TP 303, and check: Tx Channel 40=2,8V±0,2V Rx Channel 40=3V±0,2V
4	AM/FM(EU) TX/RX mode Channel 1		Connect a voltmeter to TP 303, and check: Tx Channel 1=2,5V±0,2V Rx Channel 1=2,8V±0,2V
5	AM/FM(EU) TX/RX mode Channel 1 to 40 or 1 to 80(d)		Connect a frequency counter to TP200, and check frequencies.

B1 PA-502 (TOP VIEW)



ALIGNMENT VCO/PLL

- FREQUENCY LIST (EU channels)

CH	Channels Frequencies (MHz)	VCO Frequencies (MHz)
1	26,965	37,660
2	26,975	37,670
3	26,985	37,680
4	27,005	37,700
5	27,015	37,710
6	27,025	37,720
7	27,035	37,730
8	27,055	37,750
9	27,065	37,760
10	27,075	37,770
11	27,085	37,780
12	27,105	37,800
13	27,115	37,810
14	27,125	37,820
15	27,135	37,830
16	27,155	37,850
17	27,165	37,860
18	27,175	37,870
19	27,185	37,880
20	27,205	37,900
21	27,215	37,910
22	27,225	37,930
23	27,255	37,950
24	27,235	37,930
25	27,245	37,940
26	27,265	37,960
27	27,275	37,970
28	27,285	37,980
29	27,295	37,990
30	27,305	38,000
31	27,315	38,010
32	27,325	38,020
33	27,335	38,030
34	27,345	38,040
35	27,355	38,050
36	27,365	38,060
37	27,375	38,070
38	27,385	38,080
39	27,395	38,090
40	27,405	38,100

- FREQUENCY LIST (PL channels)

CH	Channels Frequencies (MHz)	VCO Frequencies (MHz)
1	26,960	37,655
2	26,970	37,665
3	26,980	37,675
4	27,000	37,695
5	27,010	37,705
6	27,020	37,715
7	27,030	37,725
8	27,050	37,745
9	27,060	37,755
10	27,070	37,765
11	27,080	37,775
12	27,100	37,795
13	27,110	37,805
14	27,120	37,815
15	27,130	37,825
16	27,150	37,845
17	27,160	37,855
18	27,170	37,865
19	27,180	37,875
20	27,200	37,895
21	27,210	37,905
22	27,220	37,915
23	27,250	37,945
24	27,230	37,925
25	27,240	37,935
26	27,260	37,955
27	27,270	37,965
28	27,280	37,975
29	27,290	37,985
30	27,300	37,995
31	27,310	38,005
32	27,320	38,015
33	27,330	38,025
34	27,340	38,035
35	27,350	38,045
36	27,360	38,055
37	27,370	38,065
38	27,380	38,075
39	27,390	38,085
40	27,400	38,095

- FREQUENCY LIST (d channels)

CH	Channels	VCO	CH	Channels	VCO
D	Frequencies (MHz)	Frequencies (MHz)	D	Frequencies (MHz)	Frequencies (MHz)
1	26,965	37,660	41	26,565	37,260
2	26,975	37,670	42	26,575	37,270
3	26,985	37,680	43	26,585	37,280
4	27,005	37,70	44	26,595	37,290
5	27,015	37,710	45	26,605	37,300
6	27,025	37,720	46	26,615	37,310
7	27,035	37,730	47	26,625	37,320
8	27,055	37,750	48	26,635	37,330
9	27,065	37,760	49	26,645	37,340
10	27,075	37,770	50	26,655	37,350
11	27,085	37,780	51	26,665	37,360
12	27,105	37,800	52	26,675	37,370
13	27,115	37,810	53	26,685	37,380
14	27,125	37,820	54	26,695	37,390
15	27,135	37,830	55	26,705	37,400
16	27,155	37,850	56	26,715	37,410
17	27,165	37,860	57	26,725	37,420
18	27,175	37,870	58	26,735	37,430
19	27,185	37,880	59	26,745	37,440
20	27,205	37,900	60	26,755	37,450
21	27,215	37,910	61	26,765	37,460
22	27,225	37,930	62	26,775	37,470
23	27,255	37,950	63	26,785	37,480
24	27,235	37,930	64	26,795	37,490
25	27,245	37,940	65	26,805	37,500
26	27,265	37,960	66	26,815	37,510
27	27,275	37,970	67	26,825	37,520
28	27,285	37,980	68	26,835	37,530
29	27,295	37,990	69	26,845	37,540
30	27,305	38,000	70	26,855	37,550
31	27,315	38,010	71	26,865	37,560
32	27,325	38,020	72	26,875	37,570
33	27,335	38,030	73	26,885	37,580
34	27,345	38,040	74	26,895	37,590
35	27,355	38,050	75	26,905	37,600
36	27,365	38,060	76	26,915	37,610
37	27,375	38,070	77	26,925	37,620
38	27,385	38,080	78	26,935	37,630
39	27,395	38,090	79	26,945	37,640
40	27,405	38,100	80	26,955	37,650

- FREQUENCY LIST (EC channels)

CH CEPT	Channels Frequencies (MHz)	VCO Frequencies (MHz)
1	26,965	37,660
2	26,975	37,670
3	26,985	37,680
4	27,005	37,700
5	27,015	37,710
6	27,025	37,720
7	27,035	37,730
8	27,055	37,750
9	27,065	37,760
10	27,075	37,770
11	27,085	37,780
12	27,105	37,800
13	27,115	37,810
14	27,125	37,820
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16	27,155	37,850
17	27,165	37,860
18	27,175	37,870
19	27,185	37,880
20	27,205	37,900
21	27,215	37,910
22	27,225	37,930
23	27,255	37,950
24	27,235	37,930
25	27,245	37,940
26	27,265	37,960
27	27,275	37,970
28	27,285	37,980
29	27,295	37,990
30	27,305	38,000
31	27,315	38,010
32	27,325	38,020
33	27,335	38,030
34	27,345	38,040
35	27,355	38,050
36	27,365	38,060
37	27,375	38,070
38	27,385	38,080
39	27,395	38,090
40	27,405	38,100

- FREQUENCY LIST (UK channels)

CH UK	Channels Frequencies (MHz)	VCO Frequencies (MHz)
1	27,60125	38,29625
2	27,61125	38,30625
3	27,62125	38,31625
4	27,63125	38,32625
5	27,64125	38,33625
6	27,65125	38,34625
7	27,66125	38,35625
8	27,67125	38,36625
9	27,68125	38,37625
10	27,69125	38,38625
11	27,70125	38,39625
12	27,71125	38,40625
13	27,72125	38,41625
14	27,73125	38,42625
15	27,74125	38,43625
16	27,75125	38,44625
17	27,76125	38,45625
18	27,77125	38,46625
19	27,78125	38,47625
20	27,79125	38,48625
21	27,80125	38,49625
22	27,81125	38,50625
23	27,82125	38,51625
24	27,83125	38,52625
25	27,84125	38,53625
26	27,85125	38,54625
27	27,86125	38,55625
28	27,87125	38,56625
29	27,88125	38,57625
30	27,89125	38,58625
31	27,90125	38,59625
32	27,91125	38,60625
33	27,92125	38,61625
34	27,93125	38,62625
35	27,94125	38,63625
36	27,95125	38,64625
37	27,96125	38,65625
38	27,97125	38,66625
39	27,98125	38,67625
40	27,99125	38,68625

- FREQUENCY LIST (In channels)

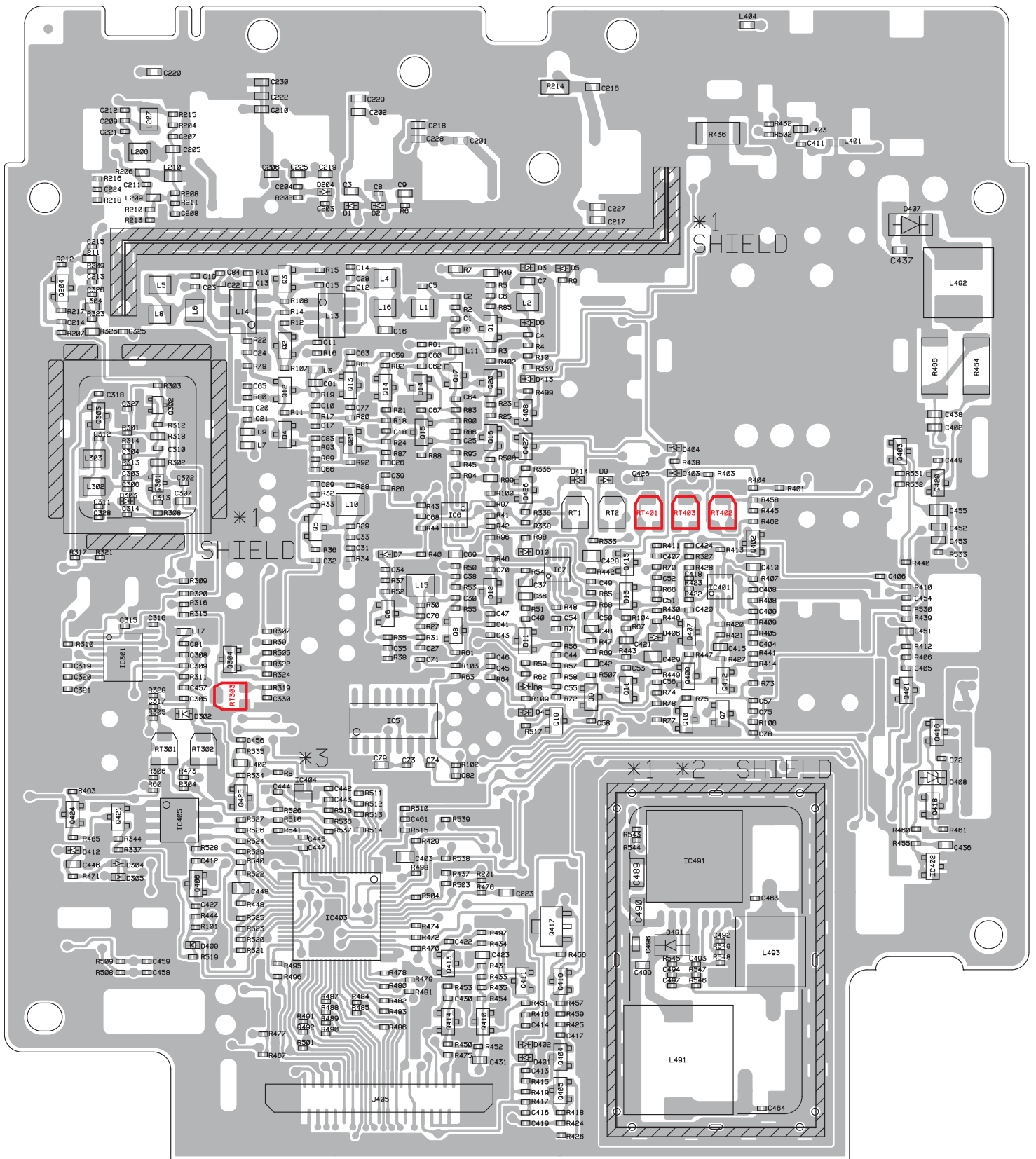
CH	Channels	VCO
In	Frequencies (MHz)	Frequencies (MHz)
1	26,965	37,660
2	26,975	37,670
3	26,985	37,680
4	27,005	37,70
5	27,015	37,710
6	27,025	37,720
7	27,035	37,730
8	27,055	37,750
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17	27,165	37,860
18	27,175	37,870
19	27,185	37,880
20	27,205	37,900
21	27,215	37,910
22	27,225	37,930
23	27,255	37,950
24	27,235	37,930
25	27,245	37,940
26	27,265	37,960
27	27,275	37,970

ALIGNMENT TRANSMITTER

1 - Alignment procedure (13,2V/26,4V;configuration"EU")

STEP	CONDITION	ADJUSTMENT	REMARKS OF ADJUSTMENT
1	AM/FM(EU)TX Channel 20	RT402	Connect a wattmeter to jack antenna, adjust RT402 to reach 4W on the wattmeter.
2	Same as 1		Connect a dummy load to jack antenna. Check that the "RF meter" displays S9+
3	FM(EU)TX Mod 30 mV 1 KHz CH 20	RT303 (For HARRY III ASC Only)	Adjust RT303 to reach $\pm 1,2$ KHz of deviation.
7	AM(EU)TX Mod 30 mV 1 KHz CH 20	RT401/RT403	First: Adjust RT401 and RT403 to the maximum of modulation, then adjust RT403 to reach $\pm 90\%$ of modulation, then adjust RT401 to reach $\pm 85\%$ of modulation.

B1 PA-502 (TOP VIEW)



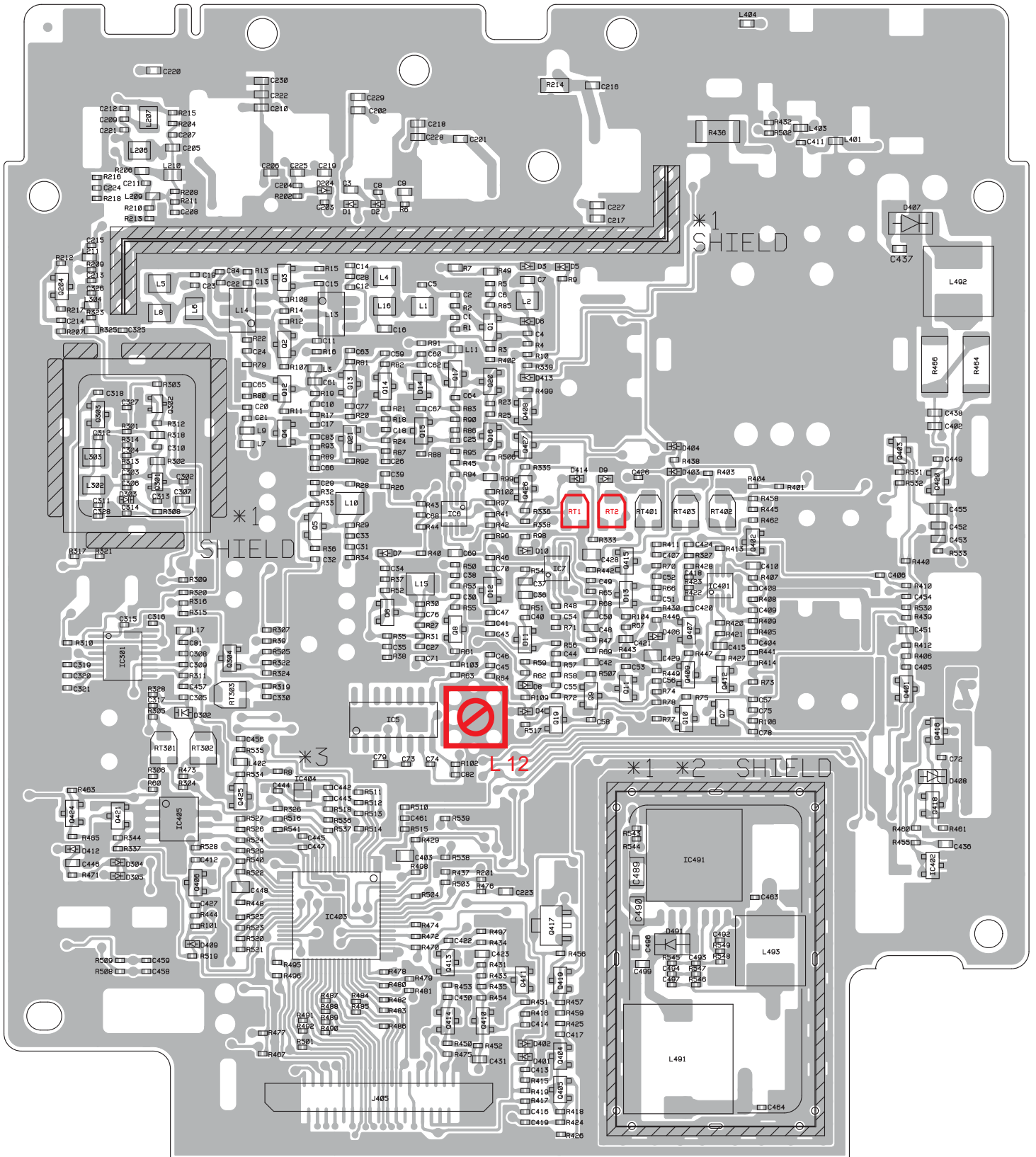
ALIGNMENT TRANSMITTER

ALIGNMENT RECEIVER

1 - Alignment procedure (13,2V/26,4V;configuration"EU")

STEP	CONDITION	ADJUSTMENT	REMARKS OF ADJUSTMENT
1	AM(EU) Channel 20 Middle volume level. No squelch active		Connect HF generator to jack antenna adjusted at (-107dBm 1KHz 60%), connect sinad meter to jack EXT speaker and check that the sensitivity (≥ 20 dB sinad).
2	FM(EU) Channel 20 Middle volume level No squelch active	L 12 (For HARRY III ASC Only)	Connect HF generator to jack antenna adjusted at (-107dBm 1KHz 1,2KHz Dev), connect sinad meter to jack EXT speaker and adjust L12 for maximum sensitivity(≥ 20 dB sinad).
3	AM(EU) Channel 20 Middle volume level No squelch active		Connect HF generator to jack antenna adjusted at (-67dBm 1KHz 60%) and check that the "S meter" displays S9.
4	AM(EU) Channel 20 Middle volume level Squelch maximum clockwise	RT1(SQ)	Connect HF generator to jack antenna adjusted at (-47dBm 1KHz 60%) and adjust RT1 so that the signal is audible .
5	AM(EU) Channel 20 Middle volume level Squelch maximum counterclockwise (ASC)	RT2	Connect HF generator to jack antenna. Connect sinad meter to jack EXT speaker, adjust the ouput level of HF generator and adjust RT2 so that the opening ASC sinad is $20\text{dB} \pm 2\text{dB}$.

B1 PA-502 (TOP VIEW)



ALIGNMENT RECEIVER

JOHNNY III ASC
HARRY III ASC

12/24

BLOC DIAGRAM

CIRCUIT DESCRIPTION

Model: JOHNNY III 12/24 V

1. FREQUENCY SYNTHESIZER

Both of TX and RX local frequencies are generated by means of a phase locked loop frequency synthesizer. These frequencies are directly obtained from VCO (Voltage Controlled Oscillator). A 10.240MHz Crystal oscillator is provided as a reference frequency that is divided by 2048 in order to produce 5kHz of basic value for the 10kHz channel spacing. This frequency is produced as Q301. And fed to 1/N programmable counter in the PLL IC of IC301.

Therefore, the final frequency is determined by calculated as follows:

(Example: 26.965MHz in channel No.1 TX mode)

$$F_{TX} = F_{TX\ VCO}$$

Since last digit of TX and RX frequency is 5kHz, therefore; $N = 26965 / 5 = 5393$

In case of RX mode;

Since a 1st IF is set to 10.695MHz, the following formula can be expressed.

$$F_L = F_{RX\ VCO} = F_R + 10.695\ (MHz)$$

Where F_R is receiving frequency and F_L is local frequency. When the F_L is specified for incoming signal, each dividing ratio can be obtained the same step as taken in TX mode.

IC403 is CPU that recognizes the channel selector switch and also read out the data from the read only memory for conversion into serial data. The serial data is then fed into PLL IC(IC301).

2. FREQUENCY STABILITY

Overall frequency stability of the unit is determined depending on crystal oscillator X301. Stability rank of X301 is +/- 25ppm maximum in the temperature range from -10 degree C to +55 degree C.

3. TRANSMITTER and TX INHIBIT CIRCUIT

The carrier frequency produced the VCO (Q301) is amplified by TX PA circuit and then fed into antenna terminal. When the PLL output frequency incorrect (PLL unlock state), the un-lock detect function activate and then the IC403 of the CPU which shut down the TX state.

4. FOR ATTENUATION OF SPURIOUS EMISSION

The Low Pass Filter circuit which consists of the capacitors (C201, C202, C216-C219, C222, C225, C227-C229) and the inductors (L201-L204) is installed between the TX Final Amplifier (Q502) and the RF output terminal (J501) to reduce the spurious harmonic emissions.

5. LIMITING MODULATION

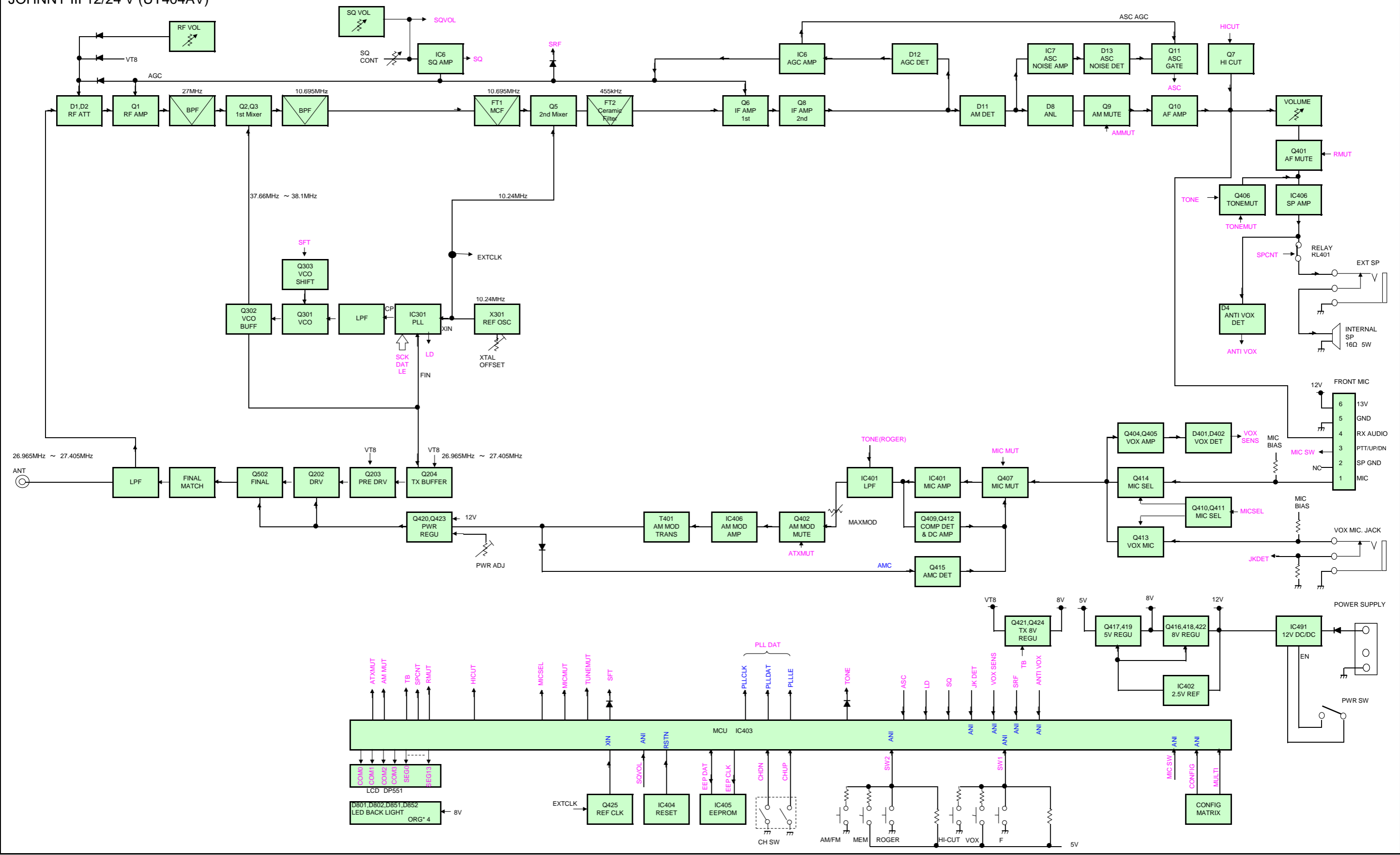
This transmitter is equipped with a Automatic Modulation Control (AMC) circuit which automatically and instantaneously prevents modulation in excess of 95%.

The AMC circuit is constructed by Q407, Q409, Q415.

6. LIMITING RF OUTPUT POWER

The RF Output stage (Q502, Q202, Q203, Q204) of this transmitter is designed to generate the maximum transmitter power within 4 Watts. Further, the regulated variable DC power supply circuit Q420, Q423 are controlled the TX final power amplifier's supply voltage for setting the transmitter power to the rated value.

BLOCK DIAGRAM (Ver.1)
JOHNNY III 12/24 V (UT404AV)



CIRCUIT DESCRIPTION

Model: HARRY III 12/24 V

1. FREQUENCY SYNTHESIZER

Both of TX and RX local frequencies are generated by means of a phase locked loop frequency synthesizer. These frequencies are directly obtained from VCO (Voltage Controlled Oscillator). A 10.240MHz Crystal oscillator is provided as a reference frequency that is divided by 2048 in order to produce 5kHz of basic value for the 10kHz channel spacing. This frequency is produced as Q301. And fed to 1/N programmable counter in the PLL IC of IC301.

Therefore, the final frequency is determined by calculated as follows:

(Example: 26.965MHz in channel No.1 TX mode)

$F_{TX} = F_{TX VCO}$

Since last digit of TX and RX frequency is 5kHz, therefore; $N = 26965 / 5 = 5393$

In case of RX mode;

Since a 1st IF is set to 10.695MHz, the following formula can be expressed.

$FL = F_{RX VCO} = FR + 10.695 \text{ (MHz)}$

Where FR is receiving frequency and FL is local frequency. When the FL is specified for incoming signal, each dividing ratio can be obtained the same step as taken in TX mode.

IC403 is CPU that recognizes the channel selector switch and also read out the data from the read only memory for conversion into serial data. The serial data is then fed into PLL IC(IC301).

2. FREQUENCY STABILITY

Overall frequency stability of the unit is determined depending on crystal oscillator X301. Stability rank of X301 is +/- 25ppm maximum in the temperature range from -10 degree C to +55 degree C.

3. TRANSMITTER and TX INHIBIT CIRCUIT

The carrier frequency produced the VCO (Q301) is amplified by TX PA circuit and then fed into antenna terminal. When the PLL output frequency incorrect (PLL unlock state), the un-lock detect function activate and then the IC403 of the CPU which shut down the TX state.

4. FOR ATTENUATION OF SPURIOUS EMISSION

The Low Pass Filter circuit which consists of the capacitors (C201, C202, C216-C219, C222, C225, C227-C229) and the inductors (L201-L204) is installed between the TX Final Amplifier (Q502) and the RF output terminal (J501) to reduce the spurious harmonic emissions.

5. LIMITING MODULATION

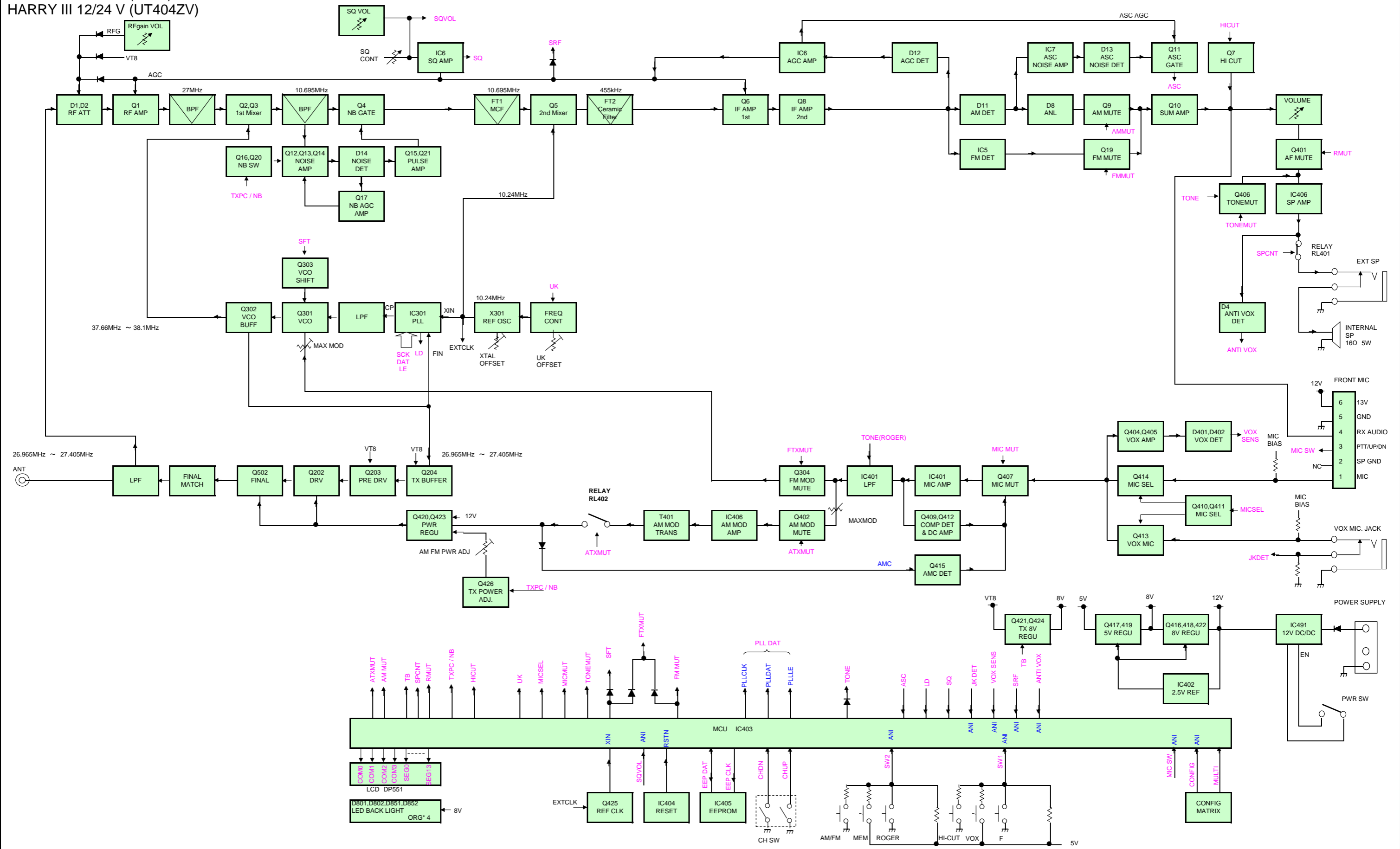
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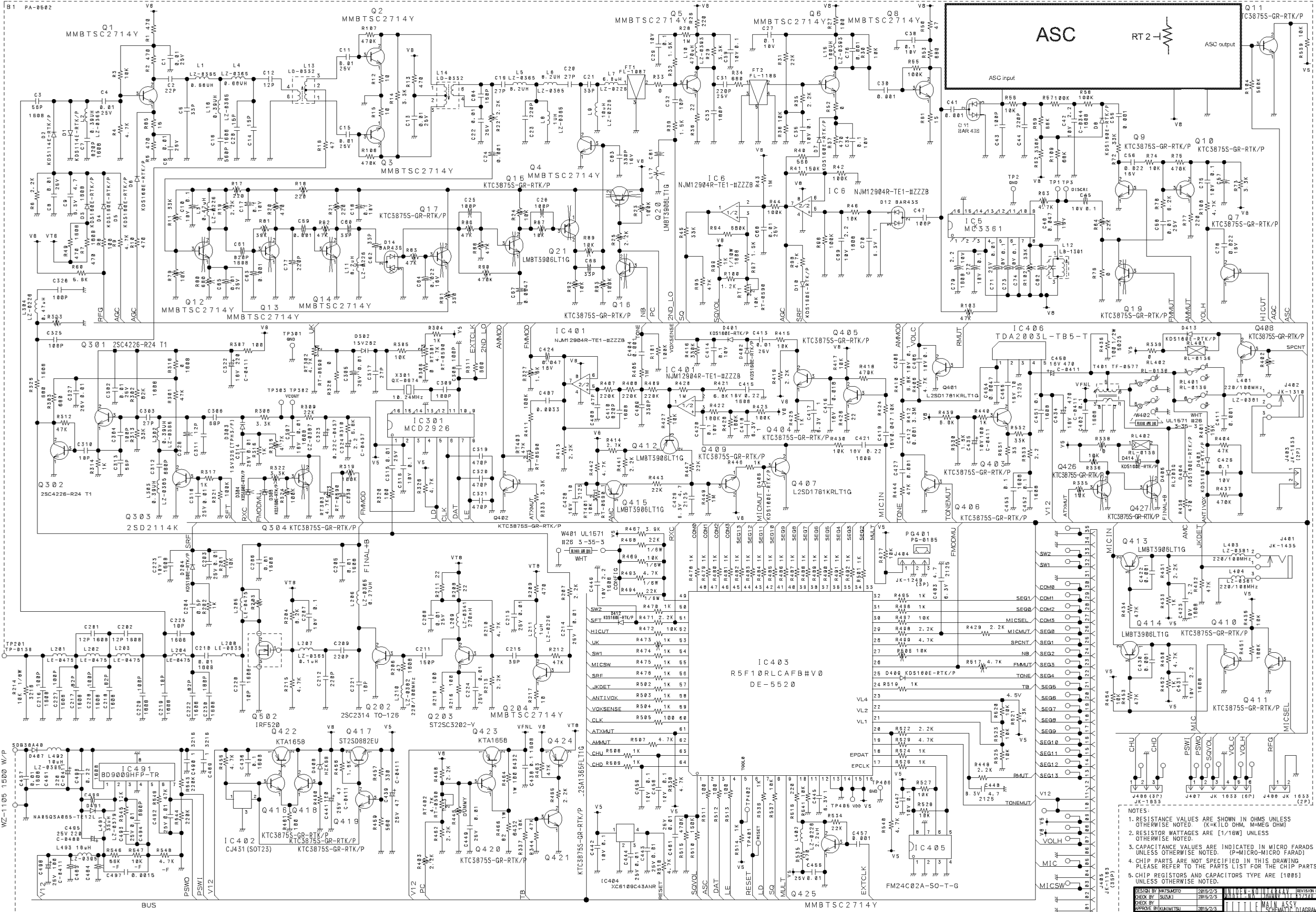
BLOCK DIAGRAM (Ver.1)
HARRY III 12/24 V (UT404ZV)



**JOHNNY III ASC
HARRY III ASC**

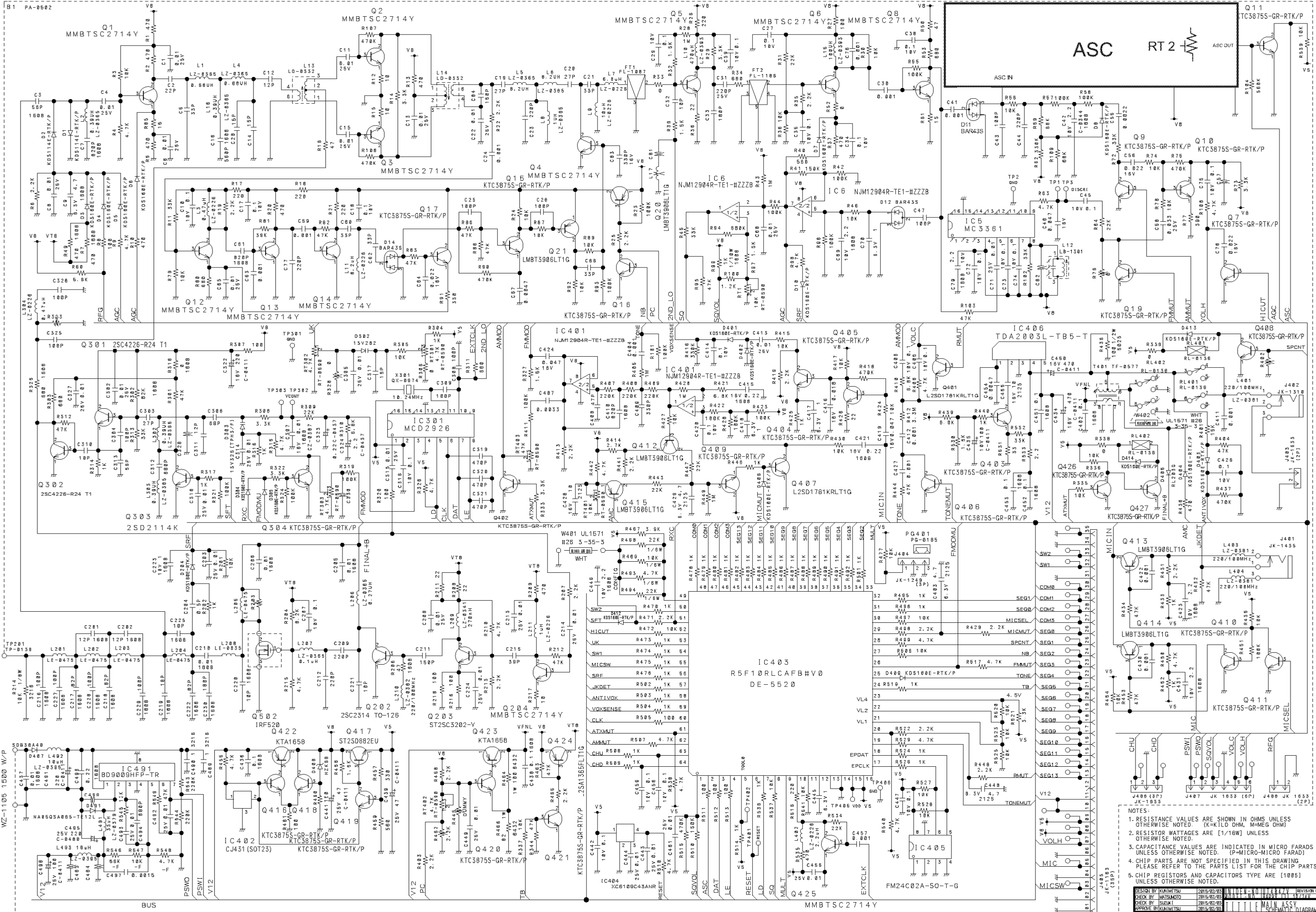
12/24

SCHEMATIC DIAGRAM



- NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILLO OHM, M=MEG OHM)
 2. RESISTOR WATTAGES ARE [1/16W] UNLESS OTHERWISE NOTED.
 3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
 4. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAWING PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.
 5. CHIP RESISTORS AND CAPACITORS TYPE ARE [1005] UNLESS OTHERWISE NOTED.

DESIGN BY	WATSUKI	2015/2/5	W/100W-001000000	REVISION NO
CHECK BY	SUZUKI	2015/2/5	W/100W-001000000	DATE
APPROVE BY	MITSU	2015/2/5	W/100W-001000000	DATE
IN-Dev Corporation	DRAWING NO.	FIS-10319	SCHEMATIC DIAGRAM	



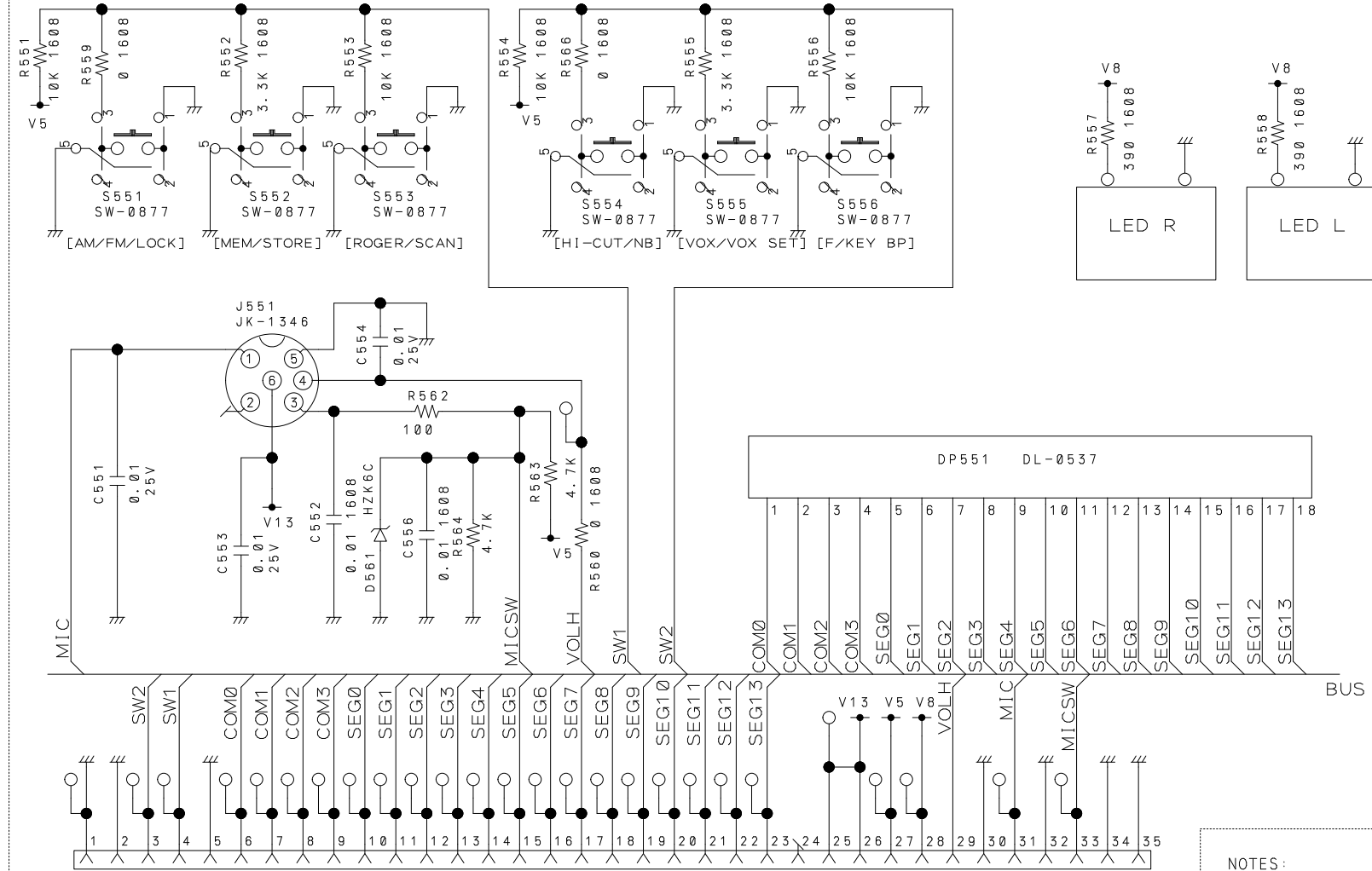
- NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
 2. RESISTOR WATTAGES ARE [1/16W] UNLESS OTHERWISE NOTED.
 3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
 4. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAWING PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.
 5. CHIP RESISTORS AND CAPACITORS TYPE ARE [1005] UNLESS OTHERWISE NOTED.

DESIGN BY	2015/02/25	WATANABE, HIROAKI	REVISION NO.
CHECK BY	2015/02/25	WATANABE, HIROAKI	
CHECK BY	2015/02/25	WATANABE, HIROAKI	
APPROVE BY	2015/02/25	WATANABE, HIROAKI	

TITLE MAIN ASSY SCHEMATIC DIAGRAM

Topcon Corporation DRAWING NO. FTS-13710

B.5.5.1 PA-0503 1/6



(35P)
JK-1398
J552

NOTES:

1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR WATTAGES ARE [1/16W] UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
4. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAWING PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.
5. CHIP REGISTORS AND CAPACITORS TYPE ARE [1005] UNLESS OTHERWISE NOTED.

DESIGN BY SUZUKINO	2015/02/03	UNIDEN-NO UTA4047V	REVISION NO
CHECK1 BY MATSUMOTO	2015/02/03	MODEL-NO HARRY TT12724V	
CHECK2 BY YAMAZAKI	2015/02/03	TITLE FRONT ASSY	
APPROVE BY KUNIMITSU	2015/02/03	TITLE SCHEMATIC DIAGRAM	
Uniden Corporation		DRAWING NO	E14-10371

1 2 3 4 5 6

A

B

C

D

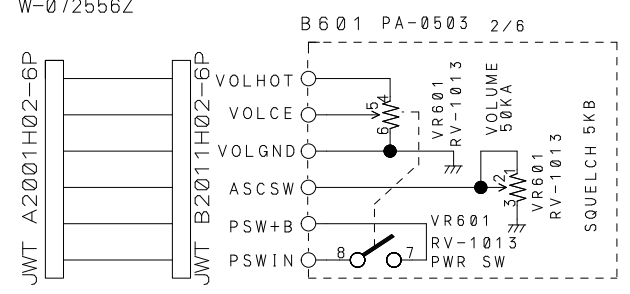
A

B

C

D

2mm pitch 6pin 70mm
W601
W7-2556
W-072556Z



DESIGN BY	SUZUKINO	2015/02/03	UNIDEN-NO	UT4047V	REVISION NO
CHECK1 BY	MATSUMOTO	2015/02/03	MODEL-NO	HARRY T11272AV	
CHECK2 BY	YAMAZAKI	2015/02/03	TITLE	VOLSQ ASSY	
APPROVE BY	KUNIMITSU	2015/02/03		SCHEMATIC DIAGRAM	
Uniden Corporation			DRAWING NO	E14-10372	

1 2 3 4 5 6

1

2

3

4

5

6

A

A

B

B

C

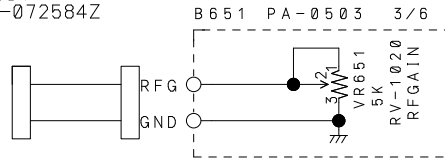
C

D

D

2mm pitch 2pin 60mm

W651
W7-2584
W-072584Z



DESIGN BY	SUZUKINO	2015/02/03	UNIDEN-NO	UT4047V	REVISION NO
CHECK1 BY	MATSUMOTO	2015/02/03	MODEL-NO	HARRY T11224V	
CHECK2 BY	YAMAZAKI	2015/02/03	TITLE	RFVOL ASSY	
APPROVE BY	KUNIMITSU	2015/02/03	TITLE	SCHEMATIC DIAGRAM	
Uniden Corporation			DRAWING NO	E14-10373	

1

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A

A

B

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C

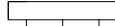
C

D

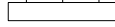
D

W701
W7-2545
W-072545Z

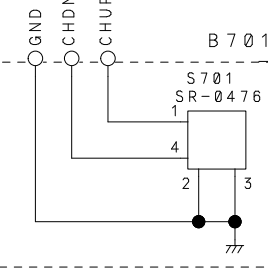
JWT A2001H02-3P



2mm pitch 40mm



JWT B2011H02-3P



B 7 0 1 PA-0503 4/6

DESIGN BY	SUZUKINO	2015/02/03	UNIDEN-NO	UT4047V	REVISION NO
CHECK1 BY	MATSUMOTO	2015/02/03	MODEL-NO	HARRY T11224V	
CHECK2 BY	YAMAZAKI	2015/02/03	TITLE	CH SW ASSY	
APPROVE BY	KUNIMITSU	2015/02/03	TITLE	SCHEMATIC DIAGRAM	
Uniden Corporation			DRAWING NO	E14-10374	

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A

A

B

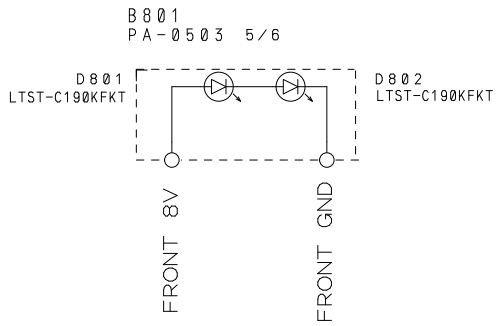
B

C

C

D

D



DESIGN BY	SUZUKINO	2015/02/03	UNIDEN-NO	UT4047V	REVISION NO
CHECK1 BY	MATSUMOTO	2015/02/03	MODEL-NO	HARRY T11224V	
CHECK2 BY	YAMAZAKI	2015/02/03	TITLE	LED L ASSY	
APPROVE BY	KUNIMITSU	2015/02/03	TITLE	SCHEMATIC DIAGRAM	
Uniden Corporation			DRAWING NO	E14-10375	

1

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3

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5

6

A

A

B

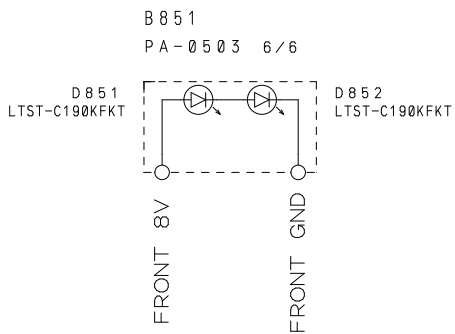
B

C

C

D

D



DESIGN BY	SUZUKINO	2015/02/03	UNIDEN-NO	UT4047V	REVISION NO
CHECK1 BY	MATSUMOTO	2015/02/03	MODEL-NO	HARRY T11224V	
CHECK2 BY	YAMAZAKI	2015/02/03	TITLE	LED R ASSY	
APPROVE BY	KUNIMITSU	2015/02/03	TITLE	SCHEMATIC DIAGRAM	
Uniden Corporation			DRAWING NO	E14-10376	

1

2

3

4

5

6

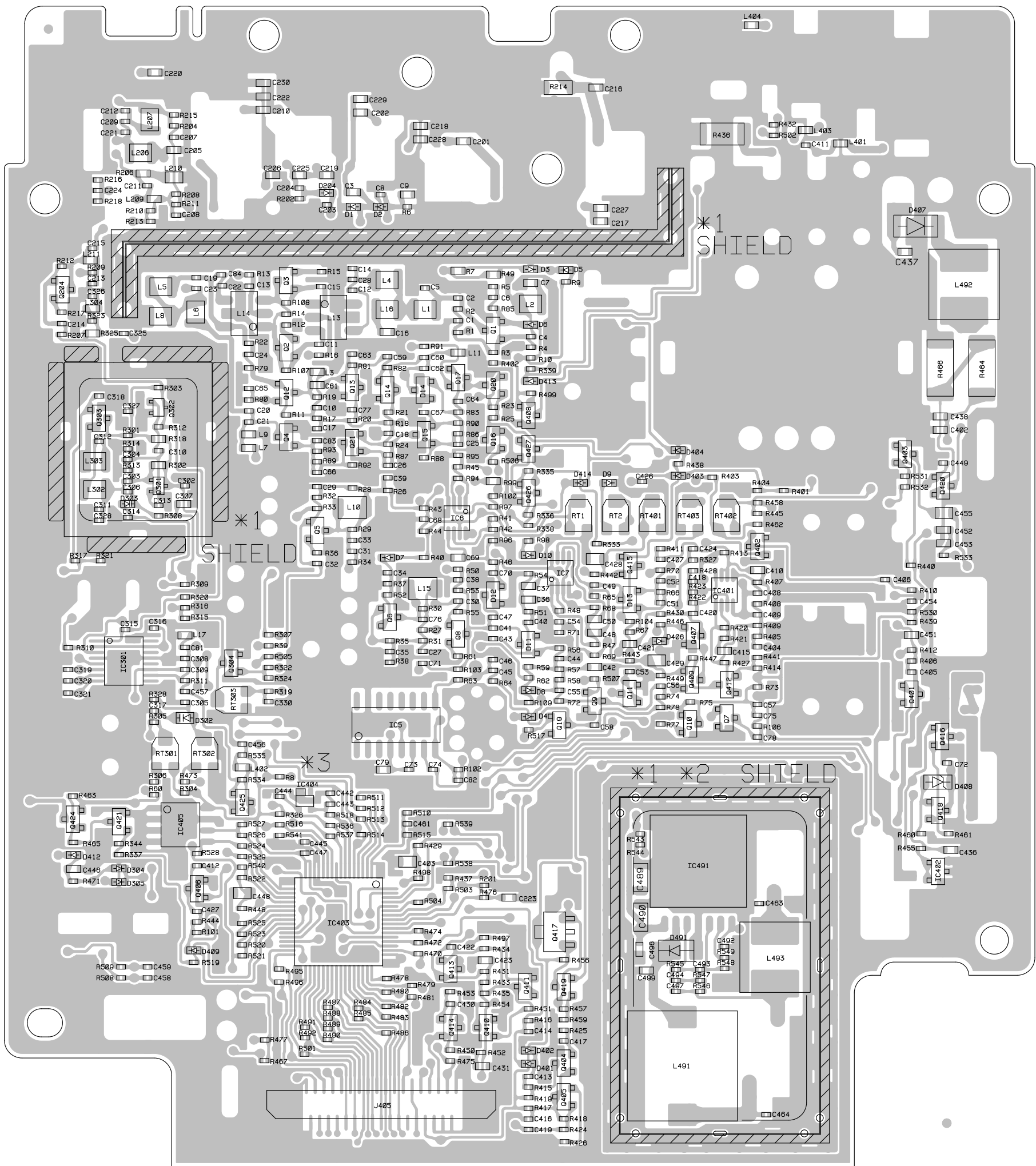
**JOHNNY III ASC
HARRY III ASC**

12/24

COMPONENT LAYOUT

B1 PA-502 (TOP VIEW)

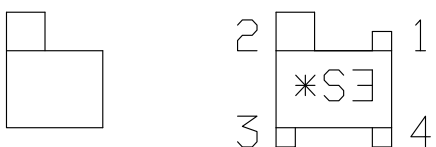
USE Pb FREE SOLDER



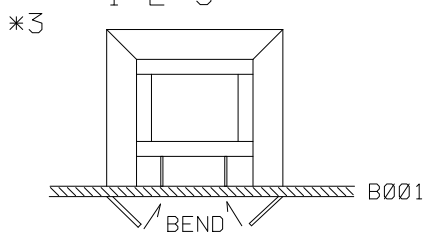
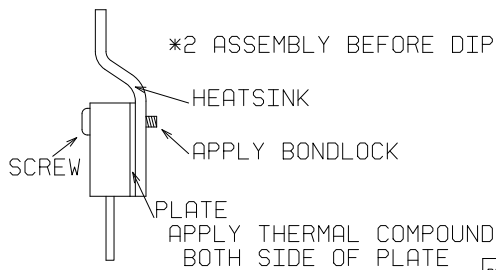
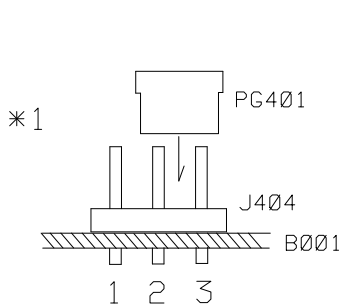
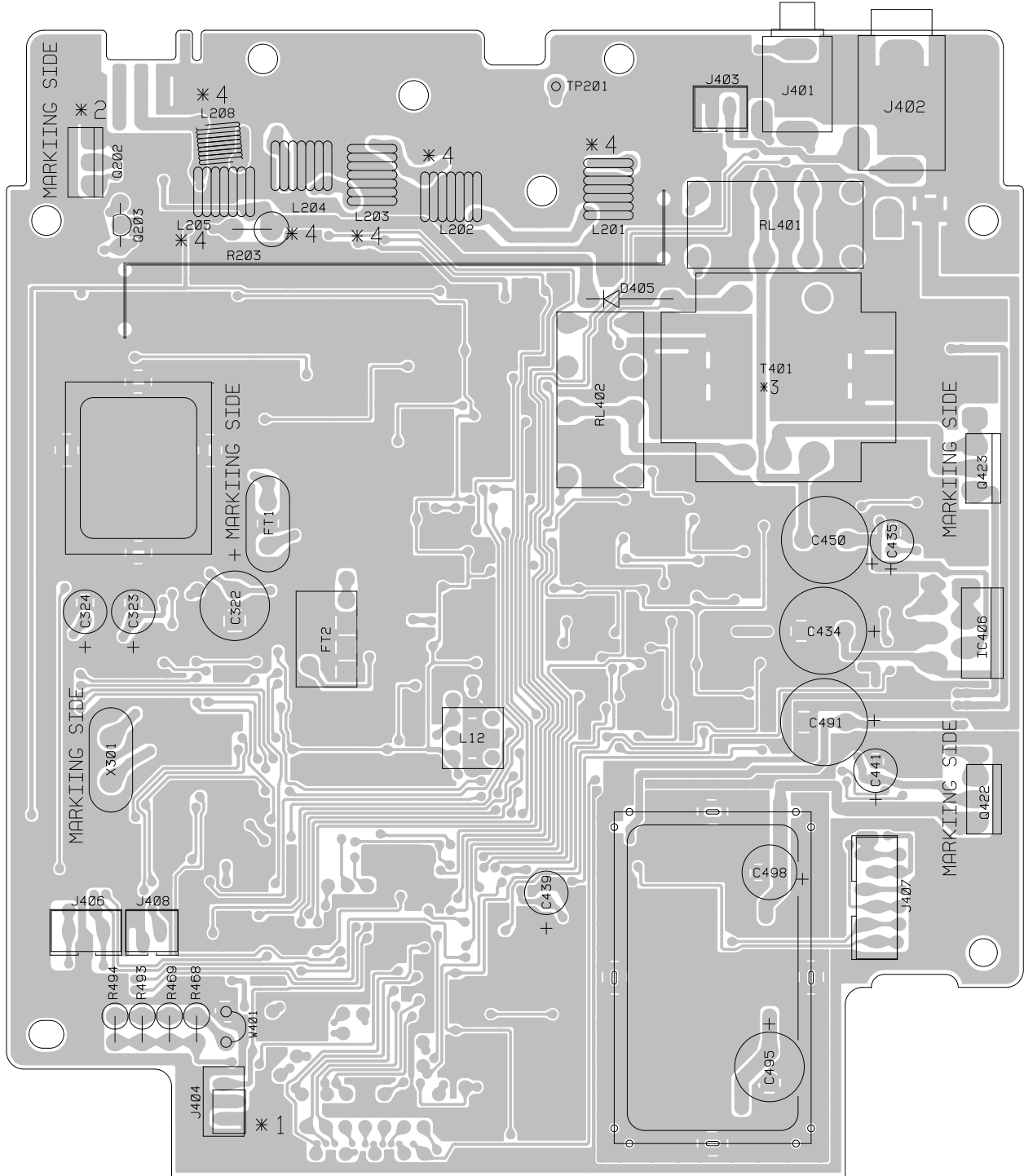
*1 REFLOW SOLDERING

*2 May be no space in PCB and SHIELD CASE, SHIELD CASE EDGE.

*3 IC404 DIRECTION



DESIGN. BY	DRAWN. BY	UNIDEN NO.	MODEL NO.
KUNI	KUNI	UT4041V	HARRY III2/24V
2015/01/08	2015/01/08	TITLE	MAIN PCB 1/2
CHECK. BY	APPRO. BY	CHIP LAYOUT TOP VIEW	
SUZUN	KUNI	DRAWING NO.	
2015/01/08	2015/01/08	E23-XXXXX	
REV. NO.		UNIDEN CORP.	



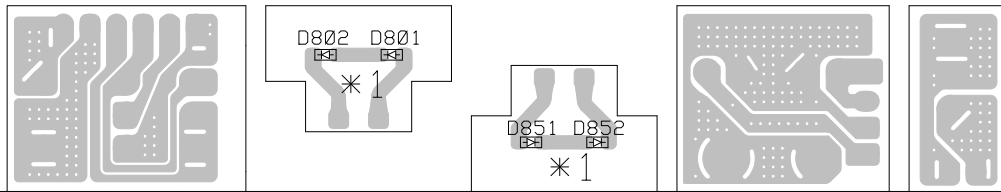
*4 L201, L202, L203, L204, L205 and L208 MUST BE MOUNT FLAT

DESIGN. BY KUNI	DRAWN. BY KUNI	UNIDEN NO. UT4041V	MODEL NO. HARRY III2/24V
2015/01/08	2015/01/08	TITLE MAIN PCB 1/2	PARTS ASS'Y TOP VIEW
CHECK. BY SUZUN	APPRO. BY KUNI	DRAWING NO. E24-xxxxx	
2015/01/08	2015/01/08	REV. NO.	UNIDEN CORP.

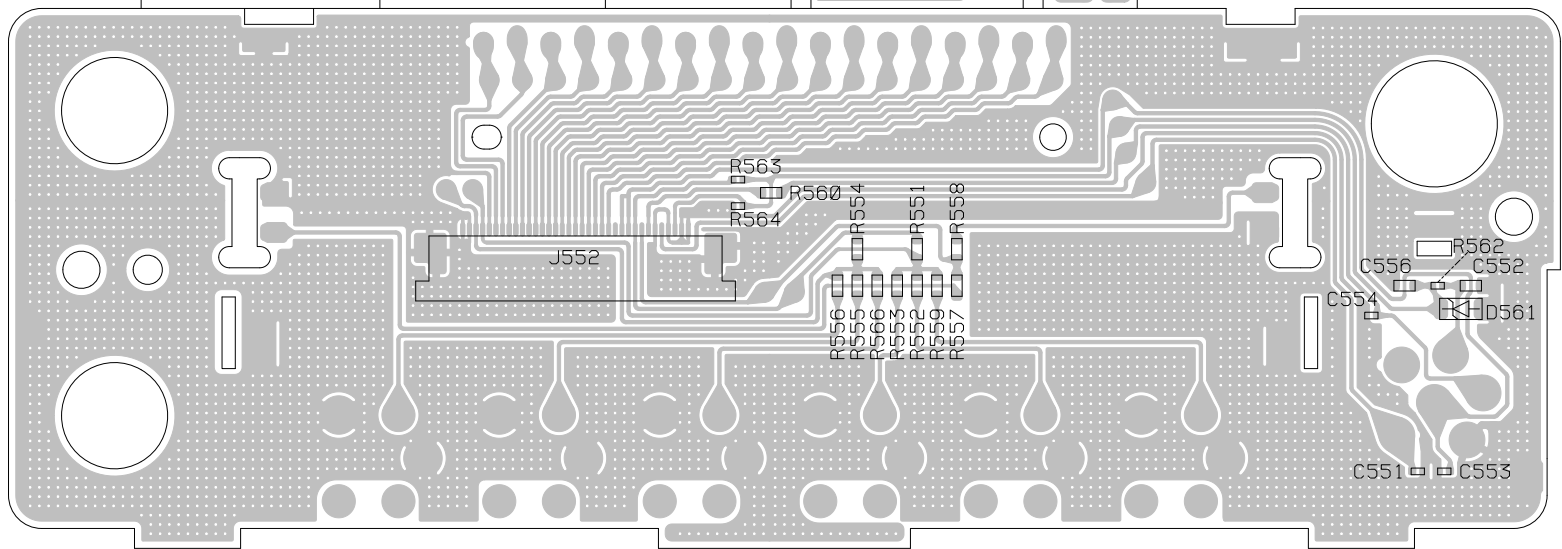
UNIDEN	UNIDEN
PCB No.	PCB No.
ASSY	ASSY
BOTTOM PATTERN	FLM

USE Pb FREE SOLDER

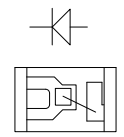
B801 PA-503 5/6 B851 PA-503 6/6



B551 PA-503 1/6

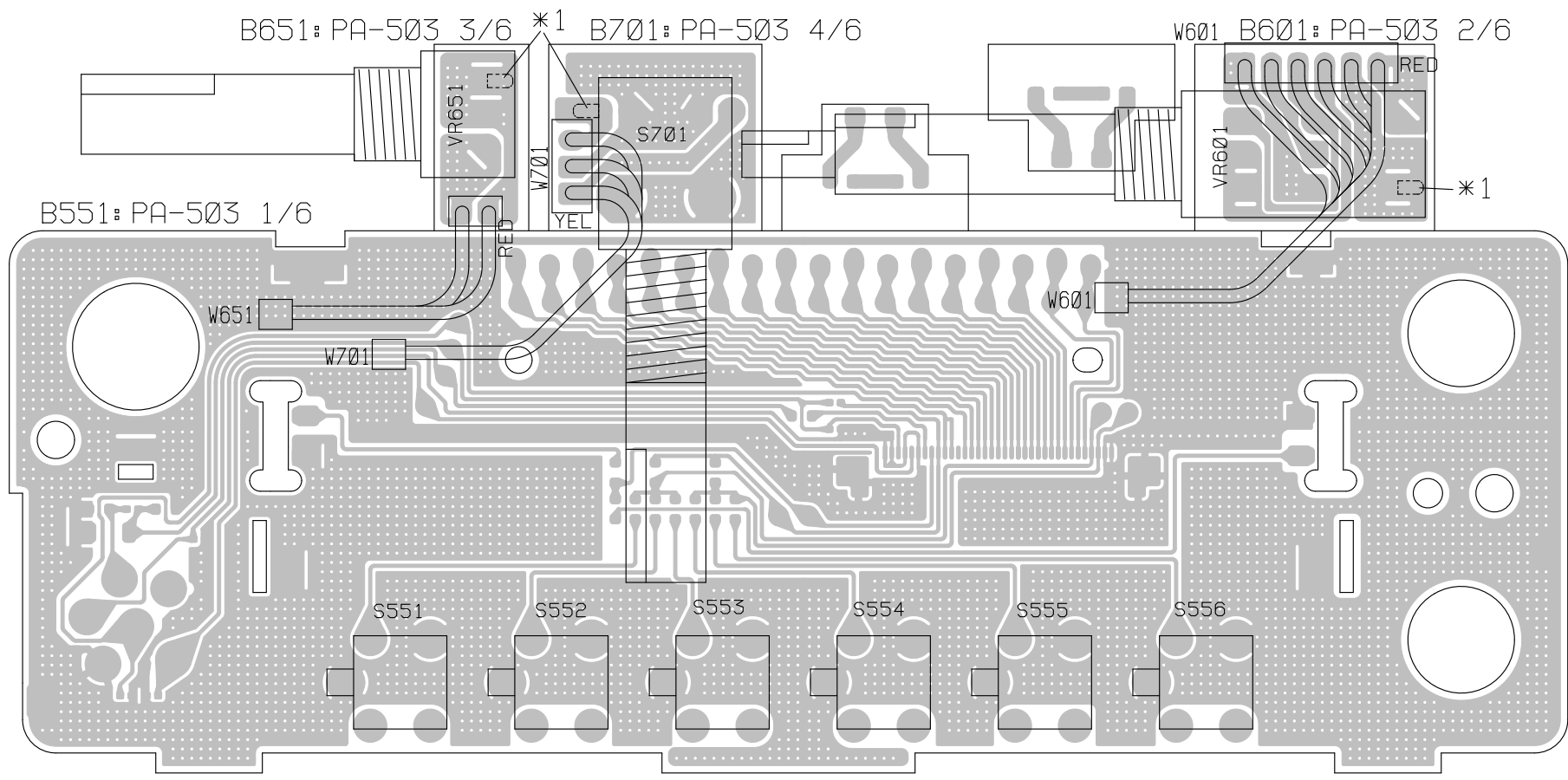


*1 DIODE POLARITY



DESIGN. BY	DRAWN. BY	UNIDEN NO.	MODEL NO.
SUZUKINO	SUZUKINO	UT4041V	HARRY III 12/24V
'15/01/08	'15/01/08	TITLE FRONT/LED L/LED R	
CHECK. BY	APPRO. BY	CHIP LAYOUT BOTTOM VIEW 1/2	
MATSUMOTO	KUNIMITSU	DRAWING NO.	
'15/01/08	'15/01/08	E24-xxxxx	
REV. NO.		UNIDEN CORP.	

USE Pb FREE SOLDER



*1 PARTS LEAD IS BENT SO THAT MAY NOT INCLINE

DESIGN. BY	DRAWN. BY	UNIDEN NO.	MODEL NO.
SUZUKINO	SUZUKINO	UT4041V	HARRY III 12/24V
'15/01/08	'15/01/08	TITLE FRONT/VOLSQ/RF VOL/CH SW	
CHECK. BY	APPRO. BY	PARTS ASS'Y TOP VIEW 1/2	
MATSUMOTO	KUNIMITSU	DRAWING NO.	
'15/01/08	'15/01/08	E24-xxxxx	
REV. NO.		UNIDEN CORP.	

**JOHNNY III ASC
HARRY III ASC**

12/24

COMPONENTS LIST

COMPONENTS LIST

JOHNNY III 12/24V PARTS LIST (ELEC)

REF No.	DESCRIPTION	SPEC	PARTS_CODE
B001	PCB:MAIN	PA-502AA	BPAG0502AAZ
C001	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C002	C:CERAMIC M/L (1005) TAPE	22PF 50V J CH	BCNA812204G
C003	C:CERAMIC M/L (1608) TAPE	56PF 50V J CH	BCMM815604G
C004	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C005	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C006	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C007	C:CERAMIC M/L (1608) TAPE	820PF 50V J CH	BCMM818214G
C008	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C009	C:CERAMIC M/L (1608) TAPE	4.7UF 6.3V K B	BCML904755G
C011	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C012	C:CERAMIC M/L (1005) TAPE	12PF 50V J CH	BCNA811204G
C013	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C014	C:CERAMIC M/L (1005) TAPE	15PF 50V J CH	BCNA811504G
C015	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C016	C:CERAMIC M/L (1608) TAPE	560PF 50V J CH	BCMM815614G
C019	C:CERAMIC M/L (1005) TAPE	27PF 50V J CH	BCNA812704G
C020	C:CERAMIC M/L (1005) TAPE	27PF 50V J CH	BCNA812704G
C021	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C022	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C023	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C027	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C028	C:CERAMIC M/L (1005) TAPE	15PF 50V J CH	BCNA811504G
C029	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C030	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C031	C:CERAMIC M/L (1005) TAPE	220PF 25V J CH	BCNA512214G
C032	C:CERAMIC M/L (1005) TAPE	10PF 50V D CH	BCNA811002G
C033	C:CERAMIC M/L (1005) TAPE	180PF 50V J CH	BCNA811814G
C034	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C035	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C036	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C037	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C038	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C039	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C040	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C041	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C042	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C043	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C044	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C047	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G

C048	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C049	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C050	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C051	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C052	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C053	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C054	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C055	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C056	C:CERAMIC M/L (1005) TAPE	0.022UF 16V K B	BCNB312235G
C058	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C068	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C069	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C070	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C075	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C076	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C078	C:CERAMIC M/L (1005) TAPE	0.022UF 16V K B	BCNB312235G
C083	C:CERAMIC M/L (1005) TAPE	330PF 16V J CH	BCNA313314G
C084	C:CERAMIC M/L (1005) TAPE	150PF 50V J CH	BCNA811514G
C201	C:CERAMIC M/L (1608) TAPE	12PF 50V J CH	BCMM811204G
C202	C:CERAMIC M/L (1608) TAPE	12PF 50V J CH	BCMM811204G
C203	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C204	C: CERAMIC M/L(1005) TAPE	0.5PF 50V C CH	BCNA815081G
C205	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C206	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C207	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C208	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C209	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C210	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C211	C:CERAMIC M/L (1005) TAPE	150PF 50V J CH	BCNA811514G
C212	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C213	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C214	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C215	C:CERAMIC M/L (1005) TAPE	39PF 50V J CH	BCNA813904G
C216	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C217	C:CERAMIC M/L (1608) TAPE	82PF 50V J CH	BCMM818204G
C218	C:CERAMIC M/L (1608) TAPE	82PF 50V J CH	BCMM818204G
C219	C:CERAMIC M/L (1608) TAPE	18PF 50V J CH	BCMM811804G
C220	C:CERAMIC M/L (1608) TAPE	10PF 50V D CH	BCMM811002G
C221	C:CERAMIC M/L (1005) TAPE	10PF 50V D CH	BCNA811002G
C222	C:CERAMIC M/L (1608) TAPE	82PF 50V J CH	BCMM818204G
C223	C:CERAMIC M/L (1608) TAPE	1UF 10V K B	BCML111055G
C224	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C225	C:CERAMIC M/L (1608) TAPE	10PF 50V D CH	BCMM811002G
C227	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C228	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C229	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C230	C:CERAMIC M/L (1608) TAPE	180PF 50V J CH	BCMM811814G
C302	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C303	C:CERAMIC M/L (1005) TAPE	27PF 50V J CH	BCNA812704G
C304	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C306	C:CERAMIC M/L (1005) TAPE	68PF 50V J CH	BCNA816804G

C307	C:CERAMIC(1608)	CZ-387 EMK107SD103JA-T	BCZG0387001
C308	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C309	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C310	C:CERAMIC M/L (1005) TAPE	10PF 50V D CH	BCNA811002G
C311	C:CERAMIC M/L (1005) TAPE	12PF 50V J CH	BCNA811204G
C312	C:CERAMIC M/L (1005) TAPE	680p 50V K B	BCNB816815G
C313	C:CERAMIC M/L (1005) TAPE	56PF 50V J CH	BCNA815604G
C314	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C315	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C316	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C317	C:CERAMIC M/L (1005) TAPE	27PF 50V J CH	BCNA812704G
C318	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C319	C:CERAMIC M/L (1005) TAPE	470p 50V K B	BCNB814715G
C320	C:CERAMIC M/L (1005) TAPE	470p 50V K B	BCNB814715G
C321	C:CERAMIC M/L (1005) TAPE	470p 50V K B	BCNB814715G
C322	C:ELECTROLYTIC	220UF 16V M C-411	BCHL312216G
C323	C:ELECTROLYTIC	0.22UF 50V M C-437	BCJJ812286G
C324	C:ELECTROLYTIC	2.2UF 50V M C-437	BCJJ812296G
C325	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C326	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C327	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C402	C:CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C403	C:CERAMIC M/L (2125) TAPE	4.7UF 6.3V K B	BCXT904795G
C404	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C405	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C406	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C407	C:CERAMIC M/L (1005) TAPE	0.0033u 50V K B	BCNB813325G
C408	C:CERAMIC M/L (1005) TAPE	47PF 50V J CH	BCNA814704G
C409	C:CERAMIC M/L (1005) TAPE	330p 50V K B	BCNB813315G
C410	C:CERAMIC M/L (1608) TAPE	820PF 50V J CH	BCMM818214G
C411	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C412	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C413	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C414	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C415	C:CERAMIC M/L (1608) TAPE	0.22UF 16V K B	BCML312245G
C416	C:CERAMIC M/L (1005) TAPE	0.018UF 16V K B	BCNB311835G
C417	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C418	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C419	C:CERAMIC M/L (1005) TAPE	0.047uF 16V K B	BCNB314735G
C420	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C421	C:CERAMIC M/L (1608) TAPE	0.22UF 16V K B	BCML312245G
C422	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C423	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C426	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C427	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C428	C:CERAMIC M/L (2125) TAPE	10UF 16V K B	BCXT311065G
C429	C:CERAMIC M/L (2125) TAPE	4.7UF 6.3V K B	BCXT904795G
C430	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C431	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C434	C:ELECTROLYTIC	470UF 16V M C-411	BCHL314716G
C435	C:ELECTROLYTIC	100UF 10V M C-411	BCHL111016G

C436	C:CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C437	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C438	C:CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C439	C:ELECTROLYTIC	47UF 25V M C-411	BCHL514706G
C441	C:ELECTROLYTIC	47UF 25V M C-411	BCHL514706G
C442	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C443	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C444	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C445	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C446	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C447	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C448	C:CERAMIC M/L (2125) TAPE	4.7UF 6.3V K B	BCXT904795G
C449	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C450	C:ELECTROLYTIC	470UF 16V M C-411	BCHL314716G
C451	C:CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C452	C:CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C453	C:CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C454	C:CERAMIC M/L (1005) TAPE	0.0047UF 50V K B	BCNB814725G
C455	C:CERAMIC M/L (2125) TAPE	10UF 16V K B	BCXT311065G
C456	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C457	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C458	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C459	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C461	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C489	C:CERAMIC M/L (3216) TAPE	1UF 50V K B	BCXS811055G
C490	C:CERAMIC M/L (3216) TAPE	1UF 50V K B	BCXS811055G
C491	C:ELECTROLYTIC	220UF 50V M C-411	BCHL812216G
C492	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C493	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C494	C:CERAMIC M/L (1005) TAPE	680p 50V K B	BCNB816815G
C495	C:ELECTROLYTIC	220UF 25V M C-480	BCNZ512216G
C496	C:CERAMIC M/L (1608) TAPE	0.22UF 50V K B	BCML812245G
C497	C:CERAMIC M/L (1005) TAPE	0.0015u 50V K B	BCNB811525G
C498	C:ELECTROLYTIC	100UF 25V M C-411	BCHL511016G
D001	DIODE	KDS114E-RTK/P	BDAG1269001
D002	DIODE	KDS114E-RTK/P	BDAG1269001
D003	DIODE	KDS160E-RTK/P	BDAG1270001
D004	DIODE	KDS160E-RTK/P	BDAG1270001
D005	DIODE	KDS160E-RTK/P	BDAG1270001
D006	DIODE	KDS160E-RTK/P	BDAG1270001
D007	DIODE	KDS160E-RTK/P	BDAG1270001
D008	DIODE	KDS160E-RTK/P	BDAG1270001
D009	DIODE	KDS160E-RTK/P	BDAG1270001
D010	DIODE	KDS160E-RTK/P	BDAG1270001
D011	DIODE	BAR43S	BDAG1590001
D012	DIODE	BAR43S	BDAG1590001
D013	DIODE	BAR43S	BDAG1590001
D204	DIODE	KDS160E-RTK/P	BDAG1270001
D302	DIODE:VARICAP	1SV262	BDAG1249001
D303	DIODE:VARICAP	DA-1380 1SV325 (TPH3_F)	BDAG1380001
D401	DIODE	KDS160E-RTK/P	BDAG1270001

D402	DIODE	KDS160E-RTK/P	BDAG1270001
D403	DIODE	KDS160E-RTK/P	BDAG1270001
D404	DIODE	KDS160E-RTK/P	BDAG1270001
D405	DIODE	RL203G	BDAG1683001
D406	DIODE	KDS160E-RTK/P	BDAG1270001
D407	DIODE	SDB30A40	BDAG1355001
D408	DIODE:ZENER	HZK6B	BDAG1423009
D409	DIODE	KDS160E-RTK/P	BDAG1270001
D412	DIODE	KDS160E-RTK/P	BDAG1270001
D413	DIODE	KDS160E-RTK/P	BDAG1270001
D491	DIODE	NA05QSA065-TE12L	BDAG1502001
J401	JACK:MIC	JK-1435 EJM-3-0125N	BJKG1435001
J402	JACK:EARPHONE	JK-1310 PJ-305C	BJKG1310001
J403	JACK	JK-1633 A2001WV2-2P	BJKG1633002
J404	JACK	JK-1249 IMSA-9210B-1-03Z058-PT1	BJKG1249003
J405	JACK	JK-1163 9639S-35Y911	BJKG1163035
J406	JACK	JK-1633 A2001WV2-3P	BJKG1633003
J407	JACK	JK-1633 A2001WV2-6P	BJKG1633006
J408	JACK	JK-1633 A2001WV2-2P	BJKG1633002
L001	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR68GSTF 0.68UH	BLZG0365688
L002	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L004	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR68GSTF 0.68UH	BLZG0365688
L005	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR2GSTF 8.2UH	BLZG0365829
L006	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR2GSTF 8.2UH	BLZG0365829
L007	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608K6R8K T	BLZG0226689
L008	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520C1ROGSTF 1UH	BLZG0365109
L009	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608K100K T	BLZG0226100
L010	INDUCTOR:WIND CHIP TAPE	LZ-393 SDWL3225F471JTF	BLZG0393471
L013	COIL	LD-332 FDL-332	BLDH0332001
L014	COIL	LD-332 FDL-332	BLDH0332001
L015	INDUCTOR:WIND CHIP TAPE	LZ-393 SDWL3225F101JTF	BLZG0393101
L016	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L201	COIL	LE-475 SZFDLLE-475	BLEH0475001
L202	COIL	LE-475 SZFDLLE-475	BLEH0475001
L203	COIL	LE-475 SZFDLLE-475	BLEH0475001
L204	COIL	LE-475 SZFDLLE-475	BLEH0475001
L205	COIL	LE-475 SZFDLLE-475	BLEH0475001
L206	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR27GSTF 0.27UH	BLZG0365278
L207	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR10GSTF 0.1UH	BLZG0365108
L208	COIL	LE-635 D4 8 1/2T	BLEG0635001
L209	INDUCTOR:MOLDED CHIP	LZ-341 SDCL1608CR27JTDF	BLZG0341278
L210	LZ:INDUCTOR:MOLDED CHIP	LZ-382 UPZ2012E221-3R0TF	BLZG0382001
L211	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608M1R0K T	BLZG0226109
L302	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L303	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L304	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608GR47K T	BLZG0226478
L401	LZ:INDUCTOR:MOLDED CHIP	LZ-381 UPZ1608E221-2R0TF	BLZG0381001
L402	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608M2R2K T	BLZG0226229
L403	LZ:INDUCTOR:MOLDED CHIP	LZ-381 UPZ1608E221-2R0TF	BLZG0381001
L404	LZ:INDUCTOR:MOLDED CHIP	LZ-381 UPZ1608E221-2R0TF	BLZG0381001
L491	LZ:INDUCTOR:MOLDED	LZ-379 SWRB1207A-330MT	BLZG0379330

L492	INDUCTOR:MOLDED	LZ-395 SWPA8040S100MT	BLZG0395100
L493	INDUCTOR:MOLDED	LZ-395 SWPA8040S100MT	BLZG0395100
Q001	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q002	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q003	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q004	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q005	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q006	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q007	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q008	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q009	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q010	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q011	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q202	TRANSISTOR	DB-1373 2SC2314 T0-126	BDBN1373001
Q203	TRANSISTOR	DB-1340 ST2SC3202-Y	BDBN1340001
Q204	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q301	TRANSISTOR	DB-1174 2SC4226-R24 T1	BDBL4226646
Q302	TRANSISTOR	DB-1174 2SC4226-R24 T1	BDBL4226646
Q303	TRANSISTOR	DB-1300 2SD2114K	BDBM2114000
Q401	TRANSISTOR	DB-1343 L2SD1781KRLT1G	BDBN1343001
Q402	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q403	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q404	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q405	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q406	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q407	TRANSISTOR	DB-1343 L2SD1781KRLT1G	BDBN1343001
Q408	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q409	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q410	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q411	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q412	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q413	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q414	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q415	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q416	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q417	TRANSISTOR	DB-1296 ST2SD882EU	BDBN1296001
Q418	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q419	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q420	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q421	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q422	TRANSISTOR	DB-1381 KTA1658-Y-U/PF	BDBN1381001
Q423	TRANSISTOR	DB-1381 KTA1658-Y-U/PF	BDBN1381001
Q424	TRANSISTOR	DB-1291 L2SA1365FLT1G	BDBN1291001
Q425	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
R001	R:CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R002	R:CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R003	R:CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R004	R:CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R005	R:CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R006	R:CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R007	R:CARBON FIXED CHIP(1608)	470 1/16W J TAPE	BRFC164714G

R008	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R009	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R010	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R012	R: CARBON FIXED CHIP(1005)	10 1/16W J 1005 TAPE	BRFA161004G
R013	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R014	R: CARBON FIXED CHIP(1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R015	R: CARBON FIXED CHIP(1005)	10 1/16W J 1005 TAPE	BRFA161004G
R016	R: CARBON FIXED CHIP(1005)	47 1/16W J 1005 TAPE	BRFA164704G
R026	R: CARBON FIXED CHIP(1005)	220 1/16W J 1005 TAPE	BRFA162214G
R027	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R028	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R029	R: CARBON FIXED CHIP(1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R030	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R031	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R032	R: CARBON FIXED CHIP(1005)	1. 5K 1/16W J 1005 TAPE	BRFA161524G
R033	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R034	R: CARBON FIXED CHIP(1005)	680 1/16W J 1005 TAPE	BRFA166814G
R035	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R036	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R037	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R038	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R039	R: CARBON FIXED CHIP(1005)	1. 5K 1/16W J 1005 TAPE	BRFA161524G
R040	R: CARBON FIXED CHIP(1005)	560 1/16W J 1005 TAPE	BRFA165614G
R041	R: CARBON FIXED CHIP(1005)	150K 1/16W J 1005 TAPE	BRFA161544G
R042	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R043	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R044	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R045	R: CARBON FIXED CHIP(1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R046	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R047	R: CARBON FIXED CHIP(1005)	15K 1/16W J 1005 TAPE	BRFA161534G
R048	R: CARBON FIXED CHIP(1005)	680K 1/16W J 1005 TAPE	BRFA166844G
R049	R: CARBON FIXED CHIP(1608)	470 1/16W J TAPE	BRFC164714G
R050	R: CARBON FIXED CHIP(1005)	47 1/16W J 1005 TAPE	BRFA164704G
R051	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R052	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R053	R: CARBON FIXED CHIP(1005)	680 1/16W J 1005 TAPE	BRFA166814G
R054	R: CARBON FIXED CHIP(1005)	3. 9K 1/16W J 1005 TAPE	BRFA163924G
R055	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R056	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R057	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R058	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R059	R: CARBON FIXED CHIP(1005)	68K 1/16W J 1005 TAPE	BRFA166834G
R060	R: CARBON FIXED CHIP(1005)	5. 6K 1/16W J 1005 TAPE	BRFA165624G
R061	R: CARBON FIXED CHIP(1005)	15 1/16W J 1005 TAPE	BRFA161504G
R062	R: CARBON FIXED CHIP(1005)	330K 1/16W J 1005 TAPE	BRFA163344G
R065	R: CARBON FIXED CHIP(1005)	680K 1/16W J 1005 TAPE	BRFA166844G
R066	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R067	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R068	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R069	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R070	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G

R071	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R072	R: CARBON FIXED CHIP(1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R073	R: CARBON FIXED CHIP(1005)	3.3K 1/16W J 1005 TAPE	BRFA163324G
R074	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R075	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R076	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R077	R: CARBON FIXED CHIP(1005)	220 1/16W J 1005 TAPE	BRFA162214G
R078	R: CARBON FIXED CHIP(1005)	8.2K 1/16W J 1005 TAPE	BRFA168224G
R085	R: CARBON FIXED CHIP(1005)	15 1/16W J 1005 TAPE	BRFA161504G
R094	R: CARBON FIXED CHIP(1005)	680K 1/16W J 1005 TAPE	BRFA166844G
R095	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R096	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R097	R: CARBON FIXED CHIP(1005)	1.5K 1/16W J 1005 TAPE	BRFA161524G
R098	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R099	R: CARBON FIXED CHIP(1608)	1K 1/10W J TAPE	BRFB011024G
R100	R: CARBON FIXED CHIP(1005)	1.2K 1/16W J 1005 TAPE	BRFA161224G
R101	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R104	R: CARBON FIXED CHIP(1005)	560K 1/16W J 1005 TAPE	BRFA165644G
R106	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R107	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R108	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R109	R: CARBON FIXED CHIP(1005)	68K 1/16W J 1005 TAPE	BRFA166834G
R201	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R202	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R204	R: CARBON FIXED CHIP(1005)	8.2K 1/16W J 1005 TAPE	BRFA168224G
R206	R: CARBON FIXED CHIP(1608)	47 1/16W J TAPE	BRFC164704G
R207	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R208	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R209	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R210	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R211	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R212	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R213	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R214	R: CARBON FIXED CHIP(3216)	10K 1/8W J TAPE	BRFC181034G
R215	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R216	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R217	R: CARBON FIXED CHIP(1005)	10 1/16W J 1005 TAPE	BRFA161004G
R218	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R301	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R302	R: CARBON FIXED CHIP(1608)	82K 1/16W J TAPE	BRFC168234G
R303	R: CARBON FIXED CHIP(1005)	680 1/16W J 1005 TAPE	BRFA166814G
R304	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R305	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R306	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R307	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R308	R: CARBON FIXED CHIP(1005)	3.3K 1/16W J 1005 TAPE	BRFA163324G
R309	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R310	R: CARBON FIXED CHIP(1005)	6.8K 1/16W J 1005 TAPE	BRFA166824G
R311	R: CARBON FIXED CHIP(1005)	680 1/16W J 1005 TAPE	BRFA166814G
R312	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R313	R: CARBON FIXED CHIP(1005)	33K 1/16W J 1005 TAPE	BRFA163334G

R314	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R316	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R317	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R318	R: CARBON FIXED CHIP(1608)	0 1/16W J TAPE	BRFC160004G
R320	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R321	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R325	R: CARBON FIXED CHIP(1608)	680 1/16W J TAPE	BRFC166814G
R326	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R328	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R333	R: CARBON FIXED CHIP(1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R337	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R339	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R344	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R401	R: CARBON FIXED CHIP(1005)	15K 1/16W J 1005 TAPE	BRFA161534G
R404	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R405	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R406	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R407	R: CARBON FIXED CHIP(1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R408	R: CARBON FIXED CHIP(1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R409	R: CARBON FIXED CHIP(1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R410	R: CARBON FIXED CHIP(1005)	6. 8K 1/16W J 1005 TAPE	BRFA166824G
R411	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R412	R: CARBON FIXED CHIP(1005)	3. 3M 1/16W J 1005 TAPE	BRFA163354G
R413	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R414	R: CARBON FIXED CHIP(1005)	2. 7K 1/16W J 1005 TAPE	BRFA162724G
R415	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R416	R: CARBON FIXED CHIP(1005)	330K 1/16W J 1005 TAPE	BRFA163344G
R417	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R418	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R419	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R420	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R421	R: CARBON FIXED CHIP(1005)	6. 8K 1/16W J 1005 TAPE	BRFA166824G
R422	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R423	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R424	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R425	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R426	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R427	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R428	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R429	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R430	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R431	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R432	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R433	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R434	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R435	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R436	R: CARBON FIXED CHIP(5025)	100 1/2W J TAPE	BRFC121014G
R437	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R438	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R439	R: CARBON FIXED CHIP(1005)	6. 8K 1/16W J 1005 TAPE	BRFA166824G
R440	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G

R441	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R442	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R443	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R444	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R446	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R447	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R448	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R449	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R450	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R451	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R452	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R453	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R454	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R455	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R456	R: CARBON FIXED CHIP(1005)	1. 5K 1/16W J 1005 TAPE	BRFA161524G
R457	R: CARBON FIXED CHIP(1005)	330 1/16W J 1005 TAPE	BRFA163314G
R458	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R459	R: CARBON FIXED CHIP(1005)	560 1/16W J 1005 TAPE	BRFA165614G
R460	R: CARBON FIXED CHIP(1005)	150 1/16W J 1005 TAPE	BRFA161514G
R461	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R462	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R463	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R464	R: CARBON FIXED CHIP(6432)	100 1W J TAPE	BRFC101014G
R465	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R466	R: CARBON FIXED CHIP(6432)	82 1W J TAPE	BRFC108204G
R467	R: CARBON FIXED CHIP(1005)	3. 9K 1/16W J 1005 TAPE	BRFA163924G
R468	R: CARBON AXIAL LEAD (26)	22K 1/6W J TAPE	BRPA612234G
R469	R: CARBON AXIAL LEAD (26)	10K 1/6W J TAPE	BRPA611034G
R470	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R471	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R472	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R474	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R475	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R476	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R477	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R478	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R479	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R480	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R481	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R482	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R483	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R484	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R485	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R486	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R487	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R488	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R489	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R490	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R491	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R492	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R493	R: CARBON AXIAL LEAD (26)	4. 7K 1/6W J TAPE	BRPA614724G

R494	R: CARBON AXIAL LEAD (26)	22K 1/6W J TAPE	BRPA612234G
R495	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R496	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R497	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R498	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R499	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R501	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R502	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R503	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R504	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R505	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R507	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R508	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R509	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R510	R: CARBON FIXED CHIP(1005)	150K 1/16W J 1005 TAPE	BRFA161544G
R511	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R512	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R513	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R514	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R515	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R516	R: CARBON FIXED CHIP(1005)	220 1/16W J 1005 TAPE	BRFA162214G
R518	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R519	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R520	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R521	R: CARBON FIXED CHIP(1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R522	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R523	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R524	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R525	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R526	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R527	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R528	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R529	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R530	R: CARBON FIXED CHIP(1005)	1. 5K 1/16W J 1005 TAPE	BRFA161524G
R531	R: CARBON FIXED CHIP(1005)	33 1/16W J 1005 TAPE	BRFA163304G
R532	R: CARBON FIXED CHIP(1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R533	R: CARBON FIXED CHIP(1005)	2. 2 1/16W J 1005 TAPE	BRFA162294G
R534	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R535	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R536	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R537	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R538	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R539	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R540	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R541	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R543	R: CARBON FIXED CHIP(1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R544	R: CARBON FIXED CHIP(1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R545	R: CARBON FIXED CHIP(1005)	12K 1/16W J 1005 TAPE	BRFA161234G
R546	R: CARBON FIXED CHIP(1005)	56K 1/16W F TAPE	BRFA165633G
R547	R: CARBON FIXED CHIP(1005)	10K 1/16W F TAPE	BRFA161033G
R548	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W F TAPE	BRFA164723G

R549	R:CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
T401	TRANS	TF-577	BTFG0577001
W401	WIRE W-004	UL 1571 #26 3- 35- 3 WHT	CUPJ003511G
W402	WIRE W-004	UL 1571 #26 3- 35- 3 WHT	CUPJ003511G
X301	CRYSTAL	QX-974 10.240000MHZ	BQXG0974001
FT001	FILTER:CRYSTAL	FL-1087 10M07AZ	BFLG1087001
FT002	FILTER:CERAMIC	FL-1186 LT455HTW	BFLG1186001
IC006	INTEGRATED CIRCUIT	NJM12904R-TE1-#ZZZB	BDEG4463003
IC007	INTEGRATED CIRCUIT	NJM12904R-TE1-#ZZZB	BDEG4463003
IC301	INTEGRATED CIRCUIT	MCD2926	BDEG5165003
IC401	INTEGRATED CIRCUIT	NJM12904R-TE1-#ZZZB	BDEG4463003
IC402	INTEGRATED CIRCUIT	CJ431 (SOT23)	BDEG5121003
IC403	IC:MICOM (FLASH OR OTP)	R5F10RLCAFB#V0	BDEG5520001
IC404	INTEGRATED CIRCUIT	XC6109C43ANR	BDEG4680003
IC405	INTEGRATED CIRCUIT	FM24C02A-S0-T-G	BDEG5191003
IC406	INTEGRATED CIRCUIT	TDA2003L-TB5-T	BDEG5194001
IC491	IC:REGULATOR	BD9009HFP-TR	BDEG5524003
PG401	PLUG	PG-185 IMSA-9215H-T	BPGG0185001
RL401	RELAY	RL-136 JRC-27F/005-H(555)	BRLG0136001
RT001	R:SEMI-FIXED	RT-590 TMC3K-OB 10K-TR	BRTG0590103
RT002	R:SEMI-FIXED	RT-590 TMC3K-OB 1K-TR	BRTG0590102
RT301	R:SEMI-FIXED	RT-590 TMC3K-OB 4.7K-TR	BRTG0590472
RT401	R:SEMI-FIXED	RT-590 TMC3K-OB 10K-TR	BRTG0590103
RT402	R:SEMI-FIXED	RT-590 TMC3K-OB 4.7K-TR	BRTG0590472
RT403	R:SEMI-FIXED	RT-590 TMC3K-OB 47K-TR	BRTG0590473
TP201	TEST PIN	TP-138 IPS-1820-01-PT	BTPG0138001
B551	PCB:FRONT	PA-503AA 1/6	BPAG0503AA1
C551	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C552	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C553	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C554	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C556	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
D561	DIODE:ZENER	HZK6C	BDAG1423004
J552	JACK:	JK-1398 IMSA-9632S-35Y913	BJKG1398035
R551	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R552	R:CARBON FIXED CHIP(1608)	3.3K 1/16W J TAPE	BRFC163324G
R553	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R554	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R555	R:CARBON FIXED CHIP(1608)	3.3K 1/16W J TAPE	BRFC163324G
R556	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R557	R:CARBON FIXED CHIP(1608)	390 1/16W J TAPE	BRFC163914G
R558	R:CARBON FIXED CHIP(1608)	390 1/16W J TAPE	BRFC163914G
R559	R:CARBON FIXED CHIP(1608)	0 1/16W J TAPE	BRFC160004G
R560	R:CARBON FIXED CHIP(1608)	0 1/16W J TAPE	BRFC160004G
R562	R:CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R563	R:CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R564	R:CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R566	R:CARBON FIXED CHIP(1608)	0 1/16W J TAPE	BRFC160004G
S551	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S552	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S553	SWITCH:TACT	SW-877 TC-1105	BSWG0877001

S554	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S555	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S556	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
B601	PCB:VOLSQ	PA-503AA 2/6	BPAG0503AA2
W601	WIRE:ASSEMBLED	W-072556Z	CZDZ072556G
VR601	R:VARIABLE	RV-1069	BRVG1069001
B651	PCB:RFVOL	PA-503AA 3/6	BPAG0503AA3
W651	WIRE:ASSEMBLED	W-072584Z	CZDZ072584G
VR651	VOLUME	RV-1020 R09711N0-FR25.5A10-B502	BRVG1020001
B701	PCB:CH SW	PA-503AA 4/6	BPAG0503AA4
S701	SWITCH:ROTARY	SR-476 PS1020-20-FB25A10-00	BSRG0476001
W701	W:WIRE:ASSEMBLED	W-072545Z	CZDZ072545G
B801	PCB:LED L	PA-503AA 5/6	BPAG0503AA5
D801	DIODE:LED	LTST-C190KFKT	BDAG1031001
D802	DIODE:LED	LTST-C190KFKT	BDAG1031001
B851	PCB:LED R	PA-503AA 6/6	BPAG0503AA6
D851	DIODE:LED	LTST-C190KFKT	BDAG1031001
D852	DIODE:LED	LTST-C190KFKT	BDAG1031001
J501	JACK:ANT W/O ACC	JK-1639 M-RM-L 102	BJKG1639003
J551	JACK	JK-1346 PLT-166-RL10	BJKG1346001
Q502	FIELD EFFECT TRANSISTOR	DC-361 IRF520PBF	BDCN0361001
W501	W:WIRE:ASSEMBLED	W-072543Z	CZDZ072543G
Y501	INSULATION SHEET	YY-1659 WCP23-16-9.4-2.0	BYYG1659001
DP551	LIQUID CRYSTAL DISPLAY	DL-537 912-442A-4115	BDLG0537001
FC501	FLAT CABLE	WF-402 3- 54- 3 35PIN	BWFG4020549
SP501	SPEAKER	SP-597 LYS-S0077-016-001R	BSPG0597001
WA501	CORD:DC CORD	WZ-1105 1500 W/P	BWZY1105001
MC951	MICROPHONE	MK-656 IP743-H010605	BMKG0656001

COMPONENTS LIST

HARRY III 12/24V PARTS LIST (ELEC)

REF No.	DESCRIPTION	SPEC	PARTS_CODE
B001	PCB:MAIN	PA-502AA	BPAG0502AAZ
C001	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C002	C:CERAMIC M/L (1005) TAPE	22PF 50V J CH	BCNA812204G
C003	C:CERAMIC M/L (1608) TAPE	56PF 50V J CH	BCMM815604G
C004	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C005	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C006	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C007	C:CERAMIC M/L (1608) TAPE	820PF 50V J CH	BCMM818214G
C008	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C009	C:CERAMIC M/L (1608) TAPE	4.7UF 6.3V K B	BCML904755G
C010	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C011	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C012	C:CERAMIC M/L (1005) TAPE	12PF 50V J CH	BCNA811204G
C013	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C014	C:CERAMIC M/L (1005) TAPE	15PF 50V J CH	BCNA811504G
C015	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C016	C:CERAMIC M/L (1608) TAPE	560PF 50V J CH	BCMM815614G
C017	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C018	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C019	C:CERAMIC M/L (1005) TAPE	27PF 50V J CH	BCNA812704G
C020	C:CERAMIC M/L (1005) TAPE	27PF 50V J CH	BCNA812704G
C021	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C022	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C023	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C024	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C025	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C026	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C027	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C028	C:CERAMIC M/L (1005) TAPE	15PF 50V J CH	BCNA811504G
C029	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C030	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C031	C:CERAMIC M/L (1005) TAPE	220PF 25V J CH	BCNA512214G
C032	C:CERAMIC M/L (1005) TAPE	10PF 50V D CH	BCNA811002G
C033	C:CERAMIC M/L (1005) TAPE	180PF 50V J CH	BCNA811814G
C034	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C035	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C036	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C037	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C038	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C039	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C040	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G

C041	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C042	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C043	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C044	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C045	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C046	C:CERAMIC M/L (1005) TAPE	0.047uF 16V K B	BCNB314735G
C047	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C048	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C049	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C050	C:CERAMIC M/L (1608) TAPE	390PF 50V J CH	BCMM813914G
C051	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C052	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C053	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C054	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C055	C:CERAMIC M/L (1005) TAPE	0.0022u 50V K B	BCNB812225G
C056	C:CERAMIC M/L (1005) TAPE	0.022UF 16V K B	BCNB312235G
C058	C:CERAMIC M/L (1005) TAPE	0.033uF 25V K B	BCNB513335G
C059	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C060	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C061	C:CERAMIC M/L (1608) TAPE	820PF 50V J CH	BCMM818214G
C062	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C063	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C064	C:CERAMIC M/L (1005) TAPE	0.022UF 16V K B	BCNB312235G
C065	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C066	C:CERAMIC M/L (1005) TAPE	33PF 50V J CH	BCNA813304G
C067	C:CERAMIC M/L (1005) TAPE	0.0047UF 50V K B	BCNB814725G
C068	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C069	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C070	C:CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C071	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C072	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C073	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C074	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C075	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C076	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C077	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C078	C:CERAMIC M/L (1005) TAPE	0.022UF 16V K B	BCNB312235G
C079	C:CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C083	C:CERAMIC M/L (1005) TAPE	330PF 16V J CH	BCNA313314G
C084	C:CERAMIC M/L (1005) TAPE	150PF 50V J CH	BCNA811514G
C201	C:CERAMIC M/L (1608) TAPE	12PF 50V J CH	BCMM811204G
C202	C:CERAMIC M/L (1608) TAPE	12PF 50V J CH	BCMM811204G
C203	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C204	C: CERAMIC M/L(1005) TAPE	0.5PF 50V C CH	BCNA815081G
C205	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C206	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C207	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C208	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C209	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C210	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C211	C:CERAMIC M/L (1005) TAPE	150PF 50V J CH	BCNA811514G

C212	C:CERAMIC M/L (1005) TAPE	220PF 50V J CH	BCNA812214G
C213	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C214	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C215	C:CERAMIC M/L (1005) TAPE	39PF 50V J CH	BCNA813904G
C216	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C217	C:CERAMIC M/L (1608) TAPE	82PF 50V J CH	BCMM818204G
C218	C:CERAMIC M/L (1608) TAPE	82PF 50V J CH	BCMM818204G
C219	C:CERAMIC M/L (1608) TAPE	18PF 50V J CH	BCMM811804G
C220	C:CERAMIC M/L (1608) TAPE	10PF 50V D CH	BCMM811002G
C221	C:CERAMIC M/L (1005) TAPE	10PF 50V D CH	BCNA811002G
C222	C:CERAMIC M/L (1608) TAPE	82PF 50V J CH	BCMM818204G
C223	C:CERAMIC M/L (1608) TAPE	1UF 10V K B	BCML111055G
C224	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C225	C:CERAMIC M/L (1608) TAPE	10PF 50V D CH	BCMM811002G
C227	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C228	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C229	C:CERAMIC M/L (1608) TAPE	100PF 50V J CH	BCMM811014G
C230	C:CERAMIC M/L (1608) TAPE	180PF 50V J CH	BCMM811814G
C302	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C303	C:CERAMIC M/L (1005) TAPE	27PF 50V J CH	BCNA812704G
C304	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C305	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C306	C:CERAMIC M/L (1005) TAPE	68PF 50V J CH	BCNA816804G
C307	C:CERAMIC (1608)	CZ-387 EMK107SD103JA-T	BGZG0387001
C308	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C309	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C310	C:CERAMIC M/L (1005) TAPE	10PF 50V D CH	BCNA811002G
C311	C:CERAMIC M/L (1005) TAPE	12PF 50V J CH	BCNA811204G
C312	C:CERAMIC M/L (1005) TAPE	680p 50V K B	BCNB816815G
C313	C:CERAMIC M/L (1005) TAPE	56PF 50V J CH	BCNA815604G
C314	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C315	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C316	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C317	C:CERAMIC M/L (1005) TAPE	15PF 50V J CH	BCNA811504G
C318	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C319	C:CERAMIC M/L (1005) TAPE	470p 50V K B	BCNB814715G
C320	C:CERAMIC M/L (1005) TAPE	470p 50V K B	BCNB814715G
C321	C:CERAMIC M/L (1005) TAPE	470p 50V K B	BCNB814715G
C322	C:ELECTROLYTIC	220UF 16V M C-411	BCHL312216G
C323	C:ELECTROLYTIC	0.22UF 50V M C-437	BCJJ812286G
C324	C:ELECTROLYTIC	2.2UF 50V M C-437	BCJJ812296G
C325	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C326	C:CERAMIC M/L (1005) TAPE	100PF 50V J CH	BCNA811014G
C327	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C402	C:CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C403	C:CERAMIC M/L (2125) TAPE	4.7UF 6.3V K B	BCXT904795G
C404	C:CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C405	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C406	C:CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C407	C:CERAMIC M/L (1005) TAPE	0.0033u 50V K B	BCNB813325G
C408	C:CERAMIC M/L (1005) TAPE	47PF 50V J CH	BCNA814704G

C409	C: CERAMIC M/L (1005) TAPE	330p 50V K B	BCNB813315G
C410	C: CERAMIC M/L (1608) TAPE	820PF 50V J CH	BCMM818214G
C411	C: CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C412	C: CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C413	C: CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C414	C: CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C415	C: CERAMIC M/L (1608) TAPE	0.22UF 16V K B	BCML312245G
C416	C: CERAMIC M/L (1005) TAPE	0.018UF 16V K B	BCNB311835G
C417	C: CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C418	C: CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C419	C: CERAMIC M/L (1005) TAPE	0.047uF 16V K B	BCNB314735G
C420	C: CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C421	C: CERAMIC M/L (1608) TAPE	0.22UF 16V K B	BCML312245G
C422	C: CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C423	C: CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C424	C: CERAMIC M/L (1005) TAPE	0.047uF 16V K B	BCNB314735G
C426	C: CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C427	C: CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C428	C: CERAMIC M/L (2125) TAPE	10UF 16V K B	BCXT311065G
C429	C: CERAMIC M/L (2125) TAPE	4.7UF 6.3V K B	BCXT904795G
C430	C: CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C431	C: CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C434	C: ELECTROLYTIC	470UF 16V M C-411	BCHL314716G
C435	C: ELECTROLYTIC	100UF 10V M C-411	BCHL111016G
C436	C: CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C437	C: CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C438	C: CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C439	C: ELECTROLYTIC	47UF 25V M C-411	BCHL514706G
C441	C: ELECTROLYTIC	47UF 25V M C-411	BCHL514706G
C442	C: CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C443	C: CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C444	C: CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C445	C: CERAMIC M/L (1005) TAPE	1UF 6.3V K B	BCNB901055G
C446	C: CERAMIC M/L (1608) TAPE	2.2UF 10V K B	BCML112295G
C447	C: CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C448	C: CERAMIC M/L (2125) TAPE	4.7UF 6.3V K B	BCXT904795G
C449	C: CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C450	C: ELECTROLYTIC	470UF 16V M C-411	BCHL314716G
C451	C: CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C452	C: CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C453	C: CERAMIC M/L (1608) TAPE	0.1UF 50V K B	BCML811045G
C454	C: CERAMIC M/L (1005) TAPE	0.0047UF 50V K B	BCNB814725G
C455	C: CERAMIC M/L (2125) TAPE	10UF 16V K B	BCXT311065G
C456	C: CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C457	C: CERAMIC M/L (1005) TAPE	0.001u 50V K B	BCNB811025G
C458	C: CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C459	C: CERAMIC M/L (1005) TAPE	0.1u 10V K B	BCNB111045G
C461	C: CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C489	C: CERAMIC M/L (3216) TAPE	1UF 50V K B	BCXS811055G
C490	C: CERAMIC M/L (3216) TAPE	1UF 50V K B	BCXS811055G
C491	C: ELECTROLYTIC	220UF 50V M C-411	BCHL812216G

C492	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C493	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C494	C:CERAMIC M/L (1005) TAPE	680p 50V K B	BCNB816815G
C495	C:ELECTROLYTIC	220UF 25V M C-480	BCNZ512216G
C496	C:CERAMIC M/L (1608) TAPE	0.22UF 50V K B	BCML812245G
C497	C:CERAMIC M/L (1005) TAPE	0.0015u 50V K B	BCNB811525G
C498	C:ELECTROLYTIC	100UF 25V M C-411	BCHL511016G
D001	DIODE	KDS114E-RTK/P	BDAG1269001
D002	DIODE	KDS114E-RTK/P	BDAG1269001
D003	DIODE	KDS160E-RTK/P	BDAG1270001
D004	DIODE	KDS160E-RTK/P	BDAG1270001
D005	DIODE	KDS160E-RTK/P	BDAG1270001
D006	DIODE	KDS160E-RTK/P	BDAG1270001
D007	DIODE	KDS160E-RTK/P	BDAG1270001
D008	DIODE	KDS160E-RTK/P	BDAG1270001
D009	DIODE	KDS160E-RTK/P	BDAG1270001
D010	DIODE	KDS160E-RTK/P	BDAG1270001
D011	DIODE	BAR43S	BDAG1590001
D012	DIODE	BAR43S	BDAG1590001
D013	DIODE	BAR43S	BDAG1590001
D014	DIODE	BAR43S	BDAG1590001
D204	DIODE	KDS160E-RTK/P	BDAG1270001
D302	DIODE:VARICAP	1SV262	BDAG1249001
D303	DIODE:VARICAP	DA-1380 1SV325 (TPH3_F)	BDAG1380001
D304	DIODE	KDS160E-RTK/P	BDAG1270001
D305	DIODE	KDS160E-RTK/P	BDAG1270001
D401	DIODE	KDS160E-RTK/P	BDAG1270001
D402	DIODE	KDS160E-RTK/P	BDAG1270001
D403	DIODE	KDS160E-RTK/P	BDAG1270001
D404	DIODE	KDS160E-RTK/P	BDAG1270001
D405	DIODE	RL203G	BDAG1683001
D406	DIODE	KDS160E-RTK/P	BDAG1270001
D407	DIODE	SDB30A40	BDAG1355001
D408	DIODE:ZENER	HZK6B	BDAG1423009
D409	DIODE	KDS160E-RTK/P	BDAG1270001
D412	DIODE	KDS160E-RTK/P	BDAG1270001
D413	DIODE	KDS160E-RTK/P	BDAG1270001
D414	DIODE	KDS160E-RTK/P	BDAG1270001
D491	DIODE	NA05QSA065-TE12L	BDAG1502001
J401	JACK:MIC	JK-1435 EJM-3-0125N	BJKG1435001
J402	JACK:EARPHONE	JK-1310 PJ-305C	BJKG1310001
J403	JACK	JK-1633 A2001WV2-2P	BJKG1633002
J404	JACK	JK-1249 IMSA-9210B-1-03Z058-PT1	BJKG1249003
J405	JACK	JK-1163 9639S-35Y911	BJKG1163035
J406	JACK	JK-1633 A2001WV2-3P	BJKG1633003
J407	JACK	JK-1633 A2001WV2-6P	BJKG1633006
J408	JACK	JK-1633 A2001WV2-2P	BJKG1633002
L001	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR68GSTF 0.68UH	BLZG0365688
L002	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L003	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608GR47K T	BLZG0226478
L004	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR68GSTF 0.68UH	BLZG0365688

L005	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520C8R2GSTF 8.2UH	BLZG0365829
L006	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520C8R2GSTF 8.2UH	BLZG0365829
L007	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608K6R8K T	BLZG0226689
L008	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520C1ROGSTF 1UH	BLZG0365109
L009	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608K100K T	BLZG0226100
L010	INDUCTOR:WIND CHIP TAPE	LZ-393 SDWL3225F471JTF	BLZG0393471
L011	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608K8R2K T	BLZG0226829
L012	COIL	LB-1301 7DL-C7306-LF	BLBG1301001
L013	COIL	LD-332 FDL-332	BLDH0332001
L014	COIL	LD-332 FDL-332	BLDH0332001
L015	INDUCTOR:WIND CHIP TAPE	LZ-393 SDWL3225F101JTF	BLZG0393101
L016	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L201	COIL	LE-475 SZFDLLE-475	BLEH0475001
L202	COIL	LE-475 SZFDLLE-475	BLEH0475001
L203	COIL	LE-475 SZFDLLE-475	BLEH0475001
L204	COIL	LE-475 SZFDLLE-475	BLEH0475001
L205	COIL	LE-475 SZFDLLE-475	BLEH0475001
L206	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR27GSTF 0.27UH	BLZG0365278
L207	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR10GSTF 0.1UH	BLZG0365108
L208	COIL	LE-635 D4 8 1/2T	BLEG0635001
L209	INDUCTOR:MOLDED CHIP	LZ-341 SDCL1608CR27JTDF	BLZG0341278
L210	LZ:INDUCTOR:MOLDED CHIP	LZ-382 UPZ2012E221-3R0TF	BLZG0382001
L211	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608M1R0K T	BLZG0226109
L302	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L303	INDUCTOR:MOLDED CHIP	LZ-365 SDWL2520CR39GSTF 0.39UH	BLZG0365398
L304	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608GR47K T	BLZG0226478
L401	LZ:INDUCTOR:MOLDED CHIP	LZ-381 UPZ1608E221-2R0TF	BLZG0381001
L402	INDUCTOR:MOLDED CHIP	LZ-226 SGM11608M2R2K T	BLZG0226229
L403	LZ:INDUCTOR:MOLDED CHIP	LZ-381 UPZ1608E221-2R0TF	BLZG0381001
L404	LZ:INDUCTOR:MOLDED CHIP	LZ-381 UPZ1608E221-2R0TF	BLZG0381001
L491	LZ:INDUCTOR:MOLDED	LZ-379 SWRB1207A-330MT	BLZG0379330
L492	INDUCTOR:MOLDED	LZ-395 SWPA8040S100MT	BLZG0395100
L493	INDUCTOR:MOLDED	LZ-395 SWPA8040S100MT	BLZG0395100
Q001	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q002	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q003	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q004	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q005	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q006	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q007	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q008	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q009	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q010	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q011	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q012	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q013	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q014	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q015	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q016	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q017	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q019	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001

Q020	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q021	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q202	TRANSISTOR	DB-1373 2SC2314 T0-126	BDBN1373001
Q203	TRANSISTOR	DB-1340 ST2SC3202-Y	BDBN1340001
Q204	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q301	TRANSISTOR	DB-1174 2SC4226-R24 T1	BDBL4226646
Q302	TRANSISTOR	DB-1174 2SC4226-R24 T1	BDBL4226646
Q303	TRANSISTOR	DB-1300 2SD2114K	BDBM2114000
Q304	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q401	TRANSISTOR	DB-1343 L2SD1781KRLT1G	BDBN1343001
Q402	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q403	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q404	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q405	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q406	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q407	TRANSISTOR	DB-1343 L2SD1781KRLT1G	BDBN1343001
Q408	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q409	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q410	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q411	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q412	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q413	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q414	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q415	TRANSISTOR	DB-1290 LMBT3906LT1G	BDBN1290001
Q416	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q417	TRANSISTOR	DB-1296 ST2SD882EU	BDBN1296001
Q418	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q419	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q420	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q421	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q422	TRANSISTOR	DB-1381 KTA1658-Y-U/PF	BDBN1381001
Q423	TRANSISTOR	DB-1381 KTA1658-Y-U/PF	BDBN1381001
Q424	TRANSISTOR	DB-1291 L2SA1365FLT1G	BDBN1291001
Q425	TRANSISTOR	DB-1326 MMBTSC2714Y	BDBN1326001
Q426	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
Q427	TRANSISTOR	DB-1259 KTC3875S-GR-RTK/P TAPE	BDBN1259001
R001	R: CARBON FIXED CHIP (1005)	470 1/16W J 1005 TAPE	BRFA164714G
R002	R: CARBON FIXED CHIP (1005)	470 1/16W J 1005 TAPE	BRFA164714G
R003	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R004	R: CARBON FIXED CHIP (1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R005	R: CARBON FIXED CHIP (1005)	470 1/16W J 1005 TAPE	BRFA164714G
R006	R: CARBON FIXED CHIP (1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R007	R: CARBON FIXED CHIP (1608)	470 1/16W J TAPE	BRFC164714G
R008	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R009	R: CARBON FIXED CHIP (1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R010	R: CARBON FIXED CHIP (1005)	470 1/16W J 1005 TAPE	BRFA164714G
R011	R: CARBON FIXED CHIP (1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R012	R: CARBON FIXED CHIP (1005)	10 1/16W J 1005 TAPE	BRFA161004G
R013	R: CARBON FIXED CHIP (1005)	470 1/16W J 1005 TAPE	BRFA164714G
R014	R: CARBON FIXED CHIP (1005)	3.3K 1/16W J 1005 TAPE	BRFA163324G
R015	R: CARBON FIXED CHIP (1005)	10 1/16W J 1005 TAPE	BRFA161004G

R016	R: CARBON FIXED CHIP(1005)	47 1/16W J 1005 TAPE	BRFA164704G
R017	R: CARBON FIXED CHIP(1005)	220 1/16W J 1005 TAPE	BRFA162214G
R018	R: CARBON FIXED CHIP(1005)	220 1/16W J 1005 TAPE	BRFA162214G
R019	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R020	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R021	R: CARBON FIXED CHIP(1005)	220 1/16W J 1005 TAPE	BRFA162214G
R022	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R023	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R024	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R025	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R026	R: CARBON FIXED CHIP(1005)	220 1/16W J 1005 TAPE	BRFA162214G
R027	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R028	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R029	R: CARBON FIXED CHIP(1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R030	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R031	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R032	R: CARBON FIXED CHIP(1005)	1. 5K 1/16W J 1005 TAPE	BRFA161524G
R033	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R034	R: CARBON FIXED CHIP(1005)	680 1/16W J 1005 TAPE	BRFA166814G
R035	R: CARBON FIXED CHIP(1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R036	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R037	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R038	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R039	R: CARBON FIXED CHIP(1005)	1. 5K 1/16W J 1005 TAPE	BRFA161524G
R040	R: CARBON FIXED CHIP(1005)	560 1/16W J 1005 TAPE	BRFA165614G
R041	R: CARBON FIXED CHIP(1005)	150K 1/16W J 1005 TAPE	BRFA161544G
R042	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R043	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R044	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R045	R: CARBON FIXED CHIP(1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R046	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R047	R: CARBON FIXED CHIP(1005)	15K 1/16W J 1005 TAPE	BRFA161534G
R048	R: CARBON FIXED CHIP(1005)	680K 1/16W J 1005 TAPE	BRFA166844G
R049	R: CARBON FIXED CHIP(1608)	470 1/16W J TAPE	BRFC164714G
R050	R: CARBON FIXED CHIP(1005)	47 1/16W J 1005 TAPE	BRFA164704G
R051	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R052	R: CARBON FIXED CHIP(1005)	0 1/16W J 1005 TAPE	BRFA160004G
R053	R: CARBON FIXED CHIP(1005)	680 1/16W J 1005 TAPE	BRFA166814G
R054	R: CARBON FIXED CHIP(1005)	3. 9K 1/16W J 1005 TAPE	BRFA163924G
R055	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R056	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R057	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R058	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R059	R: CARBON FIXED CHIP(1005)	68K 1/16W J 1005 TAPE	BRFA166834G
R060	R: CARBON FIXED CHIP(1005)	5. 6K 1/16W J 1005 TAPE	BRFA165624G
R061	R: CARBON FIXED CHIP(1005)	15 1/16W J 1005 TAPE	BRFA161504G
R062	R: CARBON FIXED CHIP(1005)	330K 1/16W J 1005 TAPE	BRFA163344G
R063	R: CARBON FIXED CHIP(1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R064	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R065	R: CARBON FIXED CHIP(1005)	680K 1/16W J 1005 TAPE	BRFA166844G
R066	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G

R067	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R068	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R069	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R070	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R071	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R072	R: CARBON FIXED CHIP(1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R073	R: CARBON FIXED CHIP(1005)	3.3K 1/16W J 1005 TAPE	BRFA163324G
R074	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R075	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R077	R: CARBON FIXED CHIP(1005)	390 1/16W J 1005 TAPE	BRFA163914G
R078	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R079	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R080	R: CARBON FIXED CHIP(1005)	680 1/16W J 1005 TAPE	BRFA166814G
R081	R: CARBON FIXED CHIP(1005)	39K 1/16W J 1005 TAPE	BRFA163934G
R082	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R083	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R085	R: CARBON FIXED CHIP(1005)	15 1/16W J 1005 TAPE	BRFA161504G
R086	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R087	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R088	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R089	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R090	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R091	R: CARBON FIXED CHIP(1005)	330 1/16W J 1005 TAPE	BRFA163314G
R092	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R093	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R094	R: CARBON FIXED CHIP(1005)	680K 1/16W J 1005 TAPE	BRFA166844G
R095	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R096	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R097	R: CARBON FIXED CHIP(1005)	1.5K 1/16W J 1005 TAPE	BRFA161524G
R098	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R099	R: CARBON FIXED CHIP(1608)	1K 1/10W J TAPE	BRFB011024G
R100	R: CARBON FIXED CHIP(1005)	1.2K 1/16W J 1005 TAPE	BRFA161224G
R101	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R102	R: CARBON FIXED CHIP(1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R103	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R104	R: CARBON FIXED CHIP(1005)	560K 1/16W J 1005 TAPE	BRFA165644G
R106	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R107	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R108	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R109	R: CARBON FIXED CHIP(1005)	68K 1/16W J 1005 TAPE	BRFA166834G
R201	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R202	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R204	R: CARBON FIXED CHIP(1005)	8.2K 1/16W J 1005 TAPE	BRFA168224G
R206	R: CARBON FIXED CHIP(1608)	47 1/16W J TAPE	BRFC164704G
R207	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R208	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R209	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R210	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R211	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R212	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R213	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G

R214	R: CARBON FIXED CHIP (3216)	10K 1/8W J TAPE	BRFC181034G
R215	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R216	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R217	R: CARBON FIXED CHIP (1005)	10 1/16W J 1005 TAPE	BRFA161004G
R218	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R301	R: CARBON FIXED CHIP (1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R302	R: CARBON FIXED CHIP (1608)	82K 1/16W J TAPE	BRFC168234G
R303	R: CARBON FIXED CHIP (1005)	680 1/16W J 1005 TAPE	BRFA166814G
R304	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R305	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R306	R: CARBON FIXED CHIP (1005)	0 1/16W J 1005 TAPE	BRFA160004G
R307	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R308	R: CARBON FIXED CHIP (1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R309	R: CARBON FIXED CHIP (1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R310	R: CARBON FIXED CHIP (1005)	6. 8K 1/16W J 1005 TAPE	BRFA166824G
R311	R: CARBON FIXED CHIP (1005)	680 1/16W J 1005 TAPE	BRFA166814G
R312	R: CARBON FIXED CHIP (1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R313	R: CARBON FIXED CHIP (1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R314	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R315	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R316	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R317	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R318	R: CARBON FIXED CHIP (1608)	0 1/16W J TAPE	BRFC160004G
R319	R: CARBON FIXED CHIP (1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R320	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R321	R: CARBON FIXED CHIP (1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R322	R: CARBON FIXED CHIP (1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R324	R: CARBON FIXED CHIP (1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R325	R: CARBON FIXED CHIP (1608)	680 1/16W J TAPE	BRFC166814G
R326	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R327	R: CARBON FIXED CHIP (1005)	1. 5K 1/16W J 1005 TAPE	BRFA161524G
R333	R: CARBON FIXED CHIP (1005)	3. 3K 1/16W J 1005 TAPE	BRFA163324G
R335	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R336	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R337	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R338	R: CARBON FIXED CHIP (1005)	0 1/16W J 1005 TAPE	BRFA160004G
R339	R: CARBON FIXED CHIP (1005)	0 1/16W J 1005 TAPE	BRFA160004G
R344	R: CARBON FIXED CHIP (1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R401	R: CARBON FIXED CHIP (1005)	15K 1/16W J 1005 TAPE	BRFA161534G
R403	R: CARBON FIXED CHIP (1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R404	R: CARBON FIXED CHIP (1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R405	R: CARBON FIXED CHIP (1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R406	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R407	R: CARBON FIXED CHIP (1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R408	R: CARBON FIXED CHIP (1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R409	R: CARBON FIXED CHIP (1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R410	R: CARBON FIXED CHIP (1005)	6. 8K 1/16W J 1005 TAPE	BRFA166824G
R411	R: CARBON FIXED CHIP (1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R412	R: CARBON FIXED CHIP (1005)	3. 3M 1/16W J 1005 TAPE	BRFA163354G
R413	R: CARBON FIXED CHIP (1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R414	R: CARBON FIXED CHIP (1005)	2. 7K 1/16W J 1005 TAPE	BRFA162724G

R415	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R416	R: CARBON FIXED CHIP(1005)	330K 1/16W J 1005 TAPE	BRFA163344G
R417	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R418	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R419	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R420	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R421	R: CARBON FIXED CHIP(1005)	6.8K 1/16W J 1005 TAPE	BRFA166824G
R422	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R423	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R424	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R425	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R426	R: CARBON FIXED CHIP(1005)	22 1/16W J 1005 TAPE	BRFA162204G
R427	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R428	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R429	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R430	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R431	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R432	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R433	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R434	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R435	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R436	R: CARBON FIXED CHIP(5025)	100 1/2W J TAPE	BRFC121014G
R437	R: CARBON FIXED CHIP(1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R438	R: CARBON FIXED CHIP(1005)	470 1/16W J 1005 TAPE	BRFA164714G
R439	R: CARBON FIXED CHIP(1005)	6.8K 1/16W J 1005 TAPE	BRFA166824G
R440	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R441	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R442	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R443	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R444	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R446	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R447	R: CARBON FIXED CHIP(1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R448	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R449	R: CARBON FIXED CHIP(1005)	1M 1/16W J 1005 TAPE	BRFA161054G
R450	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R451	R: CARBON FIXED CHIP(1005)	100K 1/16W J 1005 TAPE	BRFA161044G
R452	R: CARBON FIXED CHIP(1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R453	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R454	R: CARBON FIXED CHIP(1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R455	R: CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R456	R: CARBON FIXED CHIP(1005)	1.5K 1/16W J 1005 TAPE	BRFA161524G
R457	R: CARBON FIXED CHIP(1005)	330 1/16W J 1005 TAPE	BRFA163314G
R458	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R459	R: CARBON FIXED CHIP(1005)	560 1/16W J 1005 TAPE	BRFA165614G
R460	R: CARBON FIXED CHIP(1005)	150 1/16W J 1005 TAPE	BRFA161514G
R461	R: CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R463	R: CARBON FIXED CHIP(1005)	47K 1/16W J 1005 TAPE	BRFA164734G
R464	R: CARBON FIXED CHIP(6432)	100 1W J TAPE	BRFC101014G
R465	R: CARBON FIXED CHIP(1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R466	R: CARBON FIXED CHIP(6432)	82 1W J TAPE	BRFC108204G
R467	R: CARBON FIXED CHIP(1005)	3.9K 1/16W J 1005 TAPE	BRFA163924G

R468	R: CARBON AXIAL LEAD (26)	22K 1/6W J TAPE	BRPA612234G
R469	R: CARBON AXIAL LEAD (26)	10K 1/6W J TAPE	BRPA611034G
R470	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R471	R: CARBON FIXED CHIP (1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R472	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R473	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R474	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R475	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R476	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R477	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R478	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R479	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R480	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R481	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R482	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R483	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R484	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R485	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R486	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R487	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R488	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R489	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R490	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R491	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R492	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R493	R: CARBON AXIAL LEAD (26)	4. 7K 1/6W J TAPE	BRPA614724G
R494	R: CARBON AXIAL LEAD (26)	22K 1/6W J TAPE	BRPA612234G
R495	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R496	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R497	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R498	R: CARBON FIXED CHIP (1005)	2. 2K 1/16W J 1005 TAPE	BRFA162224G
R499	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R501	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R502	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R503	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R504	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R505	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R506	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R507	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R508	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R509	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R510	R: CARBON FIXED CHIP (1005)	150K 1/16W J 1005 TAPE	BRFA161544G
R511	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R512	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R513	R: CARBON FIXED CHIP (1005)	100 1/16W J 1005 TAPE	BRFA161014G
R514	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R515	R: CARBON FIXED CHIP (1005)	470K 1/16W J 1005 TAPE	BRFA164744G
R516	R: CARBON FIXED CHIP (1005)	220 1/16W J 1005 TAPE	BRFA162214G
R517	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R518	R: CARBON FIXED CHIP (1005)	4. 7K 1/16W J 1005 TAPE	BRFA164724G
R519	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G

R520	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R521	R: CARBON FIXED CHIP (1005)	3.3K 1/16W J 1005 TAPE	BRFA163324G
R522	R: CARBON FIXED CHIP (1005)	2.2K 1/16W J 1005 TAPE	BRFA162224G
R523	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R524	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R525	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R526	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R527	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R528	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R529	R: CARBON FIXED CHIP (1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R530	R: CARBON FIXED CHIP (1005)	1.5K 1/16W J 1005 TAPE	BRFA161524G
R531	R: CARBON FIXED CHIP (1005)	33 1/16W J 1005 TAPE	BRFA163304G
R532	R: CARBON FIXED CHIP (1005)	33K 1/16W J 1005 TAPE	BRFA163334G
R533	R: CARBON FIXED CHIP (1005)	2.2 1/16W J 1005 TAPE	BRFA162294G
R534	R: CARBON FIXED CHIP (1005)	22K 1/16W J 1005 TAPE	BRFA162234G
R535	R: CARBON FIXED CHIP (1005)	470 1/16W J 1005 TAPE	BRFA164714G
R536	R: CARBON FIXED CHIP (1005)	1K 1/16W J 1005 TAPE	BRFA161024G
R537	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R538	R: CARBON FIXED CHIP (1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R539	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R540	R: CARBON FIXED CHIP (1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R541	R: CARBON FIXED CHIP (1005)	10K 1/16W J 1005 TAPE	BRFA161034G
R543	R: CARBON FIXED CHIP (1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R544	R: CARBON FIXED CHIP (1005)	220K 1/16W J 1005 TAPE	BRFA162244G
R545	R: CARBON FIXED CHIP (1005)	12K 1/16W J 1005 TAPE	BRFA161234G
R546	R: CARBON FIXED CHIP (1005)	56K 1/16W F TAPE	BRFA165633G
R547	R: CARBON FIXED CHIP (1005)	10K 1/16W F TAPE	BRFA161033G
R548	R: CARBON FIXED CHIP (1005)	4.7K 1/16W F TAPE	BRFA164723G
R549	R: CARBON FIXED CHIP (1005)	47K 1/16W J 1005 TAPE	BRFA164734G
T401	TRANS	TF-577	BTFG0577001
W401	WIRE W-004	UL 1571 #26 3- 35- 3 WHT	CUPJ003511G
X301	CRYSTAL	QX-974 10.24000MHZ	BQXG0974001
FT001	FILTER: CRYSTAL	FL-1087 10M07AZ	BFLG1087001
FT002	FILTER: CERAMIC	FL-1186 LT455HTW	BFLG1186001
IC005	INTEGRATED CIRCUIT	MC3361	BDEG5186003
IC006	INTEGRATED CIRCUIT	NJM12904R-TE1-#ZZZB	BDEG4463003
IC007	INTEGRATED CIRCUIT	NJM12904R-TE1-#ZZZB	BDEG4463003
IC301	INTEGRATED CIRCUIT	MCD2926	BDEG5165003
IC401	INTEGRATED CIRCUIT	NJM12904R-TE1-#ZZZB	BDEG4463003
IC402	INTEGRATED CIRCUIT	CJ431 (SOT23)	BDEG5121003
IC403	IC: MICOM (FLASH OR OTP)	R5F10RLCAFB#V0	BDEG5520001
IC404	INTEGRATED CIRCUIT	XC6109C43ANR	BDEG4680003
IC405	INTEGRATED CIRCUIT	FM24C02A-S0-T-G	BDEG5191003
IC406	INTEGRATED CIRCUIT	TDA2003L-TB5-T	BDEG5194001
IC491	IC: REGULATOR	BD9009HFP-TR	BDEG5524003
PG401	PLUG	PG-185 IMSA-9215H-T	BPGG0185001
RL401	RELAY	RL-136 JRC-27F/005-H(555)	BRLG0136001
RL402	RELAY	RL-136 JRC-27F/005-H(555)	BRLG0136001
RT001	R: SEMI-FIXED	RT-590 TMC3K-OB 10K-TR	BRTG0590103
RT002	R: SEMI-FIXED	RT-590 TMC3K-OB 1K-TR	BRTG0590102
RT301	R: SEMI-FIXED	RT-590 TMC3K-OB 4.7K-TR	BRTG0590472

RT302	R:SEMI-FIXED	RT-590 TMC3K-OB 4.7K-TR	BRTG0590472
RT303	R:SEMI-FIXED	RT-590 TMC3K-OB 4.7K-TR	BRTG0590472
RT401	R:SEMI-FIXED	RT-590 TMC3K-OB 10K-TR	BRTG0590103
RT402	R:SEMI-FIXED	RT-590 TMC3K-OB 4.7K-TR	BRTG0590472
RT403	R:SEMI-FIXED	RT-590 TMC3K-OB 47K-TR	BRTG0590473
TP201	TEST PIN	TP-138 IPS-1820-01-PT	BTPG0138001
B551	PCB:FRONT	PA-503AA 1/6	BPAG0503AA1
C551	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C552	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
C553	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C554	C:CERAMIC M/L (1005) TAPE	0.01uF 25V K B	BCNB511035G
C556	C:CERAMIC M/L (1608) TAPE	0.01UF 50V K B	BCML811035G
D561	DIODE:ZENER	HZK6C	BDAG1423004
J552	JACK:	JK-1398 IMSA-9632S-35Y913	BJKG1398035
R551	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R552	R:CARBON FIXED CHIP(1608)	3.3K 1/16W J TAPE	BRFC163324G
R553	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R554	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R555	R:CARBON FIXED CHIP(1608)	3.3K 1/16W J TAPE	BRFC163324G
R556	R:CARBON FIXED CHIP(1608)	10K 1/16W J TAPE	BRFC161034G
R557	R:CARBON FIXED CHIP(1608)	390 1/16W J TAPE	BRFC163914G
R558	R:CARBON FIXED CHIP(1608)	390 1/16W J TAPE	BRFC163914G
R559	R:CARBON FIXED CHIP(1608)	0 1/16W J TAPE	BRFC160004G
R560	R:CARBON FIXED CHIP(1608)	0 1/16W J TAPE	BRFC160004G
R562	R:CARBON FIXED CHIP(1005)	100 1/16W J 1005 TAPE	BRFA161014G
R563	R:CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R564	R:CARBON FIXED CHIP(1005)	4.7K 1/16W J 1005 TAPE	BRFA164724G
R566	R:CARBON FIXED CHIP(1608)	0 1/16W J TAPE	BRFC160004G
S551	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S552	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S553	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S554	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S555	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
S556	SWITCH:TACT	SW-877 TC-1105	BSWG0877001
B601	PCB:VOLSQ	PA-503AA 2/6	BPAG0503AA2
W601	WIRE:ASSEMBLED	W-072556Z	CZDZ072556G
VR601	R:VARIABLE	RV-1069	BRVG1069001
B651	PCB:RFVOL	PA-503AA 3/6	BPAG0503AA3
W651	WIRE:ASSEMBLED	W-072584Z	CZDZ072584G
VR651	VOLUME	RV-1020 R09711N0-FR25.5A10-B502	BRVG1020001
B701	PCB:CH SW	PA-503AA 4/6	BPAG0503AA4
S701	SWITCH:ROTARY	SR-476 PS1020-20-FB25A10-00	BSRG0476001
W701	W:WIRE:ASSEMBLED	W-072545Z	CZDZ072545G
B801	PCB:LED L	PA-503AA 5/6	BPAG0503AA5
D801	DIODE:LED	LTST-C190KFKT	BDAG1031001
D802	DIODE:LED	LTST-C190KFKT	BDAG1031001
B851	PCB:LED R	PA-503AA 6/6	BPAG0503AA6
D851	DIODE:LED	LTST-C190KFKT	BDAG1031001
D852	DIODE:LED	LTST-C190KFKT	BDAG1031001
J501	JACK:ANT W/O ACC	JK-1639 M-RM-L 102	BJKG1639003
J551	JACK	JK-1346 PLT-166-RL10	BJKG1346001

Q502	FIELD EFFECT TRANSISTOR	DC-361 IRF520PBF	BDCN0361001
W501	W:WIRE:ASSEMBLED	W-072543Z	CZDZ072543G
Y501	INSULATION SHEET	YY-1659 WCP23-16-9.4-2.0	BYYG1659001
DP551	LIQUID CRYSTAL DISPLAY	DL-537 912-442A-4115	BDLG0537001
FC501	FLAT CABLE	WF-402 3- 54- 3 35PIN	BWFG4020549
SP501	SPEAKER	SP-597 LYS-S0077-016-001R	BSPG0597001
WA501	CORD:DC CORD	WZ-1105 1500 W/P	BWZY1105001
MC951	MICROPHONE	MK-652 IP743-G010601	BMKG0652001