

SATELLITE COMMUNICATIONS SYSTEM

INMARSAT-C MOBILE EARTH STATION

JUE-75C

TECHNICAL MANUAL

JRC *Japan Radio Co., Ltd.*

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1. Introduction

INMARSAT Mobile Earth Station, Model JUE-75C is designed in compliance with the "System Definition Manual for the Standard-C Communications System (Release 1.4)" published by International Maritime Satellite Organization (INMARSAT).

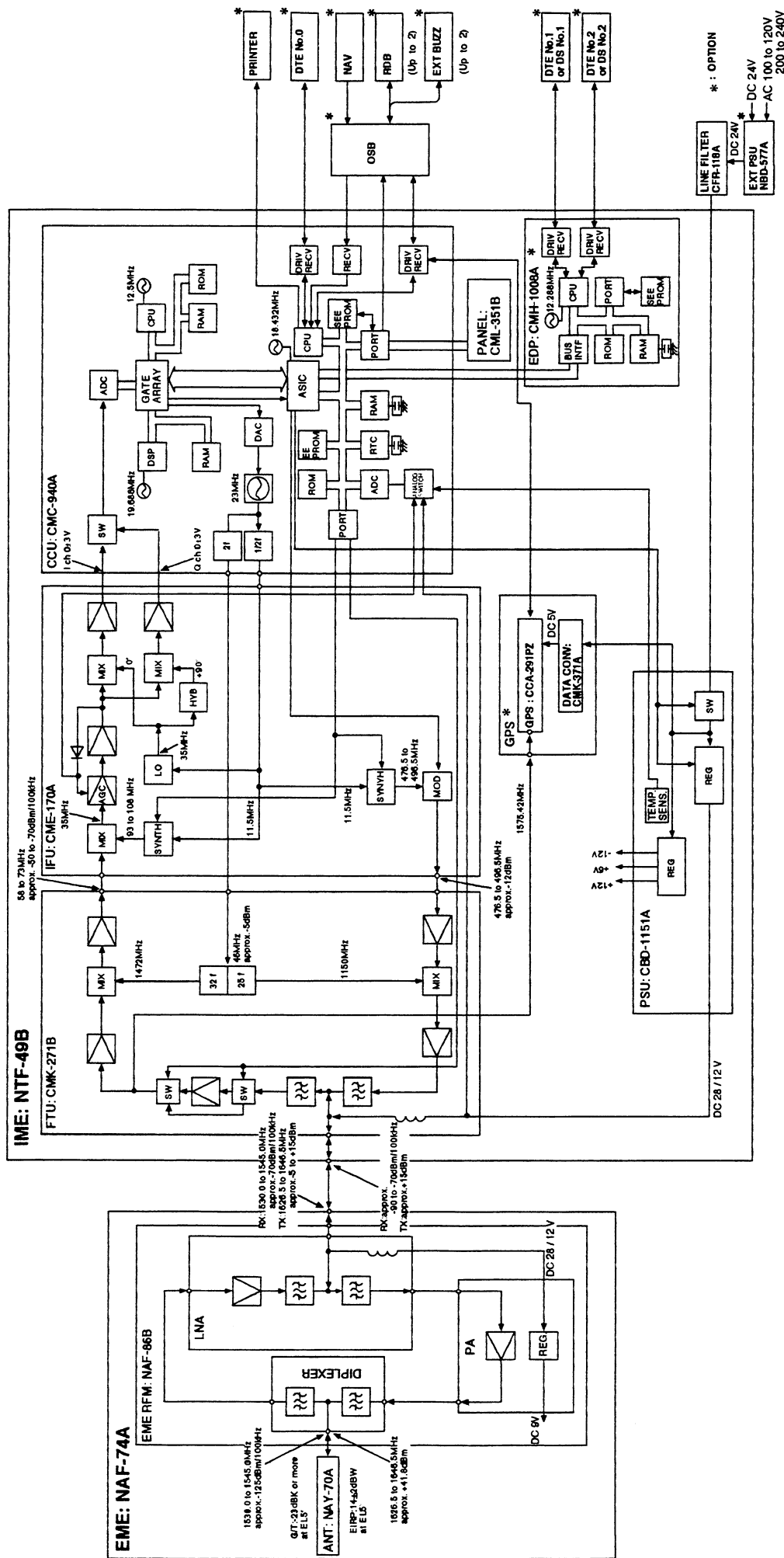
The JUE-75C Mobile Earth Station (MES) is composed of Externally Mounted Equipment (EME), Internally Mounted Equipment (IME), EME-IME Cable, Data terminal Equipment* (DTE) and Printer*.

*: option



Electrical servicing of this equipment should be performed by qualified technical personnel. Cautions should be taken against radiation hazards from antenna.

2. System Description



Block Diagram of JUE-75C (INMARSAT-C Marine Mobile Use)

3. Circuit Description

3.1 Externally Mounted Equipment (EME)

NAF-74A

EME is composed of Antenna (ANT) and EME RF Module (EME RFM) including Diplexer (DIPLEXER), Low Noise Amplifier (LNA) and Power Amplifier (PA).

EME is connected to Internally Mounted Equipment (IME) with a single coaxial cable. Maximum length of the cable is 100 meters.

- ANT NAY-70A
- EME RFM NAF-86B

3.1.1 Antenna (ANT)

NAY-70A

The ANT is a quad-refiler Helical element type having hemispheric beam pattern. Therefore, the ANT is no tracking to word the satellite.

Input / Output specifications:

Type of antenna	: Quad-refiler Helical Antenna
Polarization	: Right hand circular polarization (CCIR)
Axial ratio	: 6 dB or less (Elevation : 5° to 90°)
Frequency band	: 1530.0 to 1545.0 MHz (Receiving) 1575.42MHz (GPS) 1626.5 to 1646.5 MHz (Transmitting)
Gain	: 1 dBi or more (Elevation : 5°)
VSWR	: 1.5 or less (for 50 Ω)



- 1. The element is covered with the waterproofed radome. So, the radome should not be removed from the EME to keep the waterproof performance.*
- 2. The antenna radiates the high power electro-magnetic wave. So, the antenna should not be enveloped with conductive material(s) to keep off degradation of the antenna performance.*

The EME RFM is composed of Diplexer (DIPLEXER), Low Noise Amplifier (LNA) and Power Amplifier (PA).

The EME RFM is connected to ANT with a connector (type-POD).

3.1.2.1 Diplexer (DIPLEXER)

The DIPLEXER is composed of two Band-Pass Filters having transmitting and receiving frequency bands respectively. These bands are separated at the antenna port.

The DIPLEXER rejects sufficiently spurious emission and interference reception. In addition, it prevents the degradation of receiver system noise temperature due to transmitting power.

Input / output specifications:

Frequency band	: 1,530.0 MHz to 1,545.0 MHz (Receiving) 1,574.42MHz to 1,576.42MHz (GPS) 1,626.5 MHz to 1,646.5 MHz (Transmitting)
Isolation (Transmitting frequency)	: 80 dB or more
(Receiving frequency)	: 60dB or more
In-band attenuation gradient	: 0.1 dB / MHz or less
In-band ripple	: 0.5 dB (p-p) or less
In-band insertion loss	: 0.7 dB or less
Input / output VSWR	: 1.3 or less (for 50 Ω)

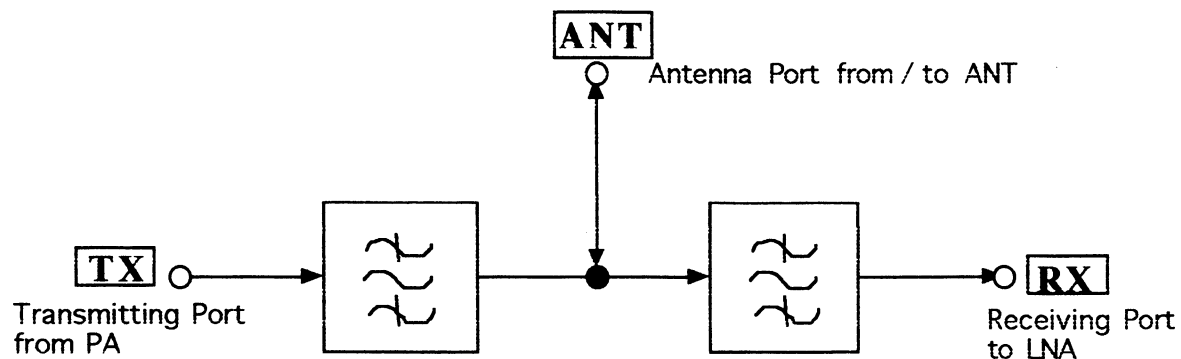


Fig. 3.1.2.1 Diplexer Block Diagram

3.1.2.2 Low Noise Amplifier (LNA)

LNA is equipped at the front of the receiver to achieve the high receiving - sensitivity.

The LNA is composed of 6 - stage RF amplifier, duplexer and bias circuit.

The RF amplifier provides 1.0dB or less in noise figure and 55dB approx. in gain.

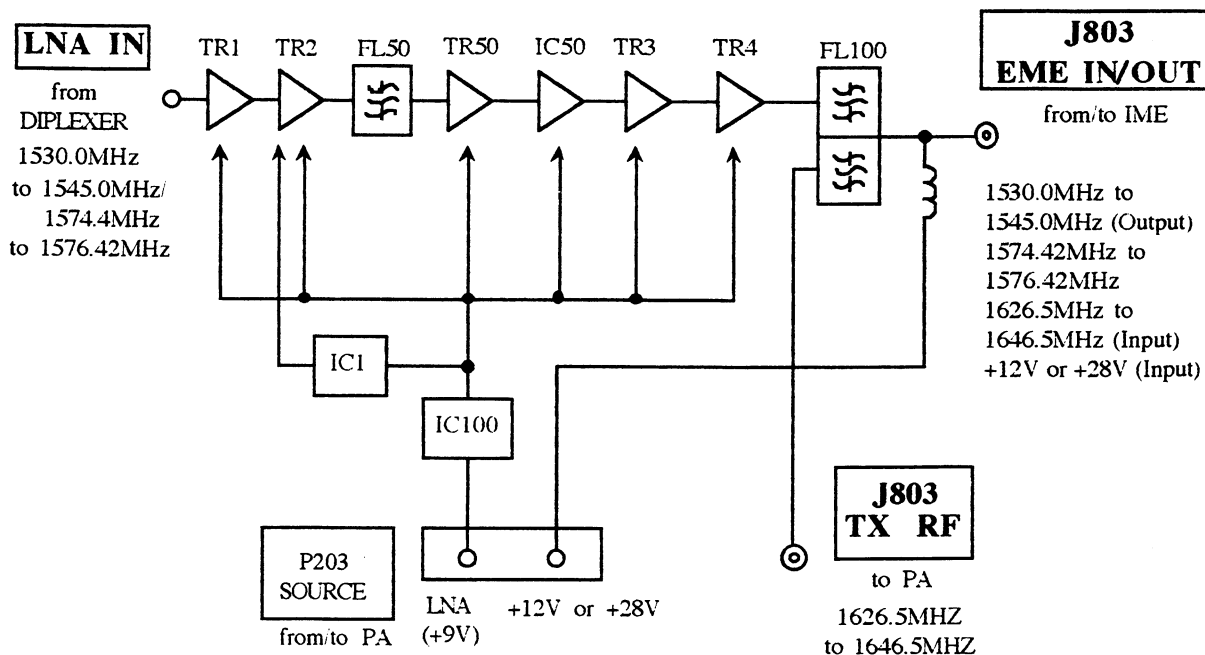
The duplexer is composed of two band-pass-filters having transmitting and receiving frequency bands respectively. Then, the duplexer achieves single EME-IME coaxial cable by duplicating of the transmitting and receiving signal.

The bias circuit inputs +12V or +28V DC source from IME via the coaxial cable and sends it to EME Power Supply Circuit (PSC) of the Power Amplifier (PA).

Also, the bias circuit inputs +9V DC from the EME PSC of the PA and supplies +6V DC to the each stage of the RF amplifier.

Input / output specifications:

Frequency band	: 1,530.0 MHz to 1,545.0 MHz
Gain	: 55 dB approx. (45dB @ GPS Band)
Noise figure	: 1.0 dB or less (77°K or less) (1.6dB @ GPS Band)
Input VSWR	: 1.2 or less (for 50 Ω)
Input VSWR	: 1.5 or less (for 50 Ω)
Ambient temperature	: -35°C to +55°C



3.1.2.3 Power Amplifier (PA)

PA is equipped at the final of the transmitter to achieve the high power transmission to the satellite.

The PA is composed of 6-stage RF amplifier and EME power supply circuit (PSC).

The RF amplifier provides 20W (approx.) output power with 43dB (approx.) gain.

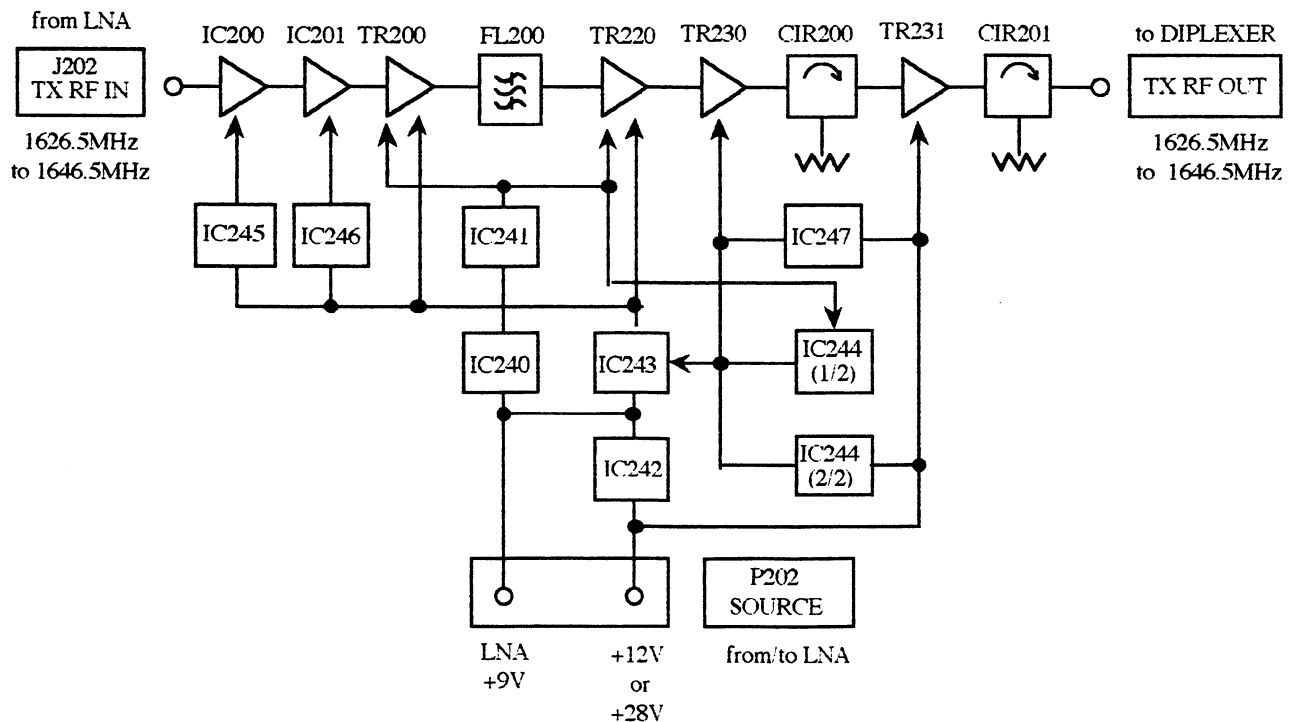
Furthermore, the RF amplifier has limiting amplifier (IC200, IC201). The limiting amplifier stabilizes the variation of PA input level due to variation of EME-IME coaxial cable loss. Then, the transmitting level adjustment is not required.

The EME PSC inputs +12V or +28V DC power source from IME via EME-IME coaxial cable and LNA printed circuit board.

DC power source is set to +12V for receiving period and +28V for transmitting period. Then, the EME PSC feeds DC power to all stages of the RF amplifier after voltage stabilizing.

Input / output specifications:

Frequency band	: 1,626.5 MHz to 1,646.5 MHz
Input power	: -13.0 dB to +7.0 dBm (Typical)
Output power	: 13.0 dBW approx.
Input VSWR	: 1.5 or less (for 50 Ω)
Output VSWR	: 1.2 or less (for 50 Ω)
Ambient temperature	: -35°C to +55°C



3.2 Internally Mounted Equipment (IME)

NTF-49A

IME is composed of Frequency translation Unit (FTU), Intermediate Frequency Unit (IFU), Central Control Unit (CCU), Power Supply Unit (PSU) and front panel (PANEL).

- | | |
|------------|-----------|
| • FTU | CMK-271B |
| • IFU | CME-170A |
| • CCU | CMC-940A |
| • PSU | CBD-1151A |
| • PANEL | CML-351B |
| • IME Rack | CWB-718A |

3.2.1 Frequency Translation Unit (FTU)

CMK-271B

FTU is composed of Up converter (U/C), Down converter (D/C), Local generator (LO), Duplexer and Status monitors.

1) U/C

U/C is composed of MIXER (HC201), PRE-AMPLIFIER (IC201, IC202 and IC203) and MPA (TR201 and TR202).

U/C inputs 490MHz band IF signal from IFU and converts it to 1640MHz band RF signal with 1150MHz Local signal.

2) D/C

D/C is composed of RX BOOSTER (IC301, CD301 and CD302), RF PRE-AMPLIFIER (IC302), MIX (HC300) and IF AMPLIFIER (IC303, IC304, IC305 and IC306).

D/C inputs 1540MHz band RF signal from EME via duplexer and converts it to 70MHz band IF signal with 1472MHz Local signal.

3) LO

LO is composed of PRE-AMPLIFIER (IC256 and TR251), COMB GENERATOR (CD250), TX LO AMPLIFIER (IC250, IC251, IC252 and IC253) and RX LO AMPLIFIER (IC254, IC255, IC257 and IC258).

LO inputs 46MHz LO source signal from IFU and generates 1150MHz TX Local and 1472MHz RX Local signal with COMB GENERATOR.

4) Duplexer

Duplexer is composed of two band-pass-filters having transmitting and receiving frequency bands respectively. Then, the duplexer achieves single EME-IME coaxial cable by duplicating of the transmitting and receiving signal.

5) Status monitor

Status monitors are composed of FTU OUT MONI and EIRP MONI.

FTU OUT MONI detects fall-off of the FTU output level and sends the alarm signal to the CCU.

EIRP MONI detects output level of the PA and sends the level signal to CCU. The property of EIRP MONI determined by JP300 varies with the model type. JP300 is established as follows:

Model Type	JP300
JUE-75C/80L	Connected
JUE-80S/80P	Unconnected



CAUTIONS

JP300 must be unconnected if you exchange FTU(CMK-271B) of JUE-80S/80P.

Input / Output specifications

TX

Input frequency : 476.5 MHz to 496.5 MHz
Input level : -12 ± 3 dBm
Output frequency : 1,626.5 MHz to 1,646.5 MHz
Output level : $+15 \pm 3$ dBm

RX

Input frequency : 1,530.0MHz to 1,545.0MHz
Input level : -85dBm/100kHz to -65dBm/100kHz
Output frequency : 58.0MHz to 73.0MHz
Output level : -75dBm/100kHz to -60dBm/100kHz

Lo

Input frequency : 46.0MHz
Input level : -5 ± 5 dBm
Output frequency : (TX) : 1,150.0MHz
(RX) : 1,472.0MHz
Output level : (TX) : +10dBm
(RX) : +10dBm

Status Monitor

FTU OUT MONI : Normal =TTL H
Fall-off =TTL L
EIRP MONI : High =more than 4V
Normal =1V to 4V
Low =less than 4V

3.2.2 Intermediate Frequency Unit (IFU)

CME-170A

The IFU is composed of Receiving Intermediate Frequency (RX IF) and Modulator (MOD).

Input / Output specifications:

Input

RX IF IN

Input frequency : 58 MHz to 73 MHz
Input level : -50 dBm to -70 dBm / 100 kHz / 50 Ω

11.5 MHz

Input frequency : 11.5 MHz
Input level : ECL

BPSK MOD input

Modulation data (MOD D) : 600 bit per second (1st generation)
: 1200 bit per second (2nd generation)

Output

I ch, Q ch

Output level : 0 ± 3.0 V

TX IF OUT

Frequency : 476.5 MHz to 496.5 MHz by step of 5 kHz
Output level : -12 dBm / 50 Ω

3.2.2.1 RX IF

The RX IF is composed of Receiving IF hybrid, receiving frequency synthesizer (RX SYNTH) and 35MHz local frequency generator (35MHz LO).

Description of operation:

(1) Receiving IF hybrid (RX IF HYB)

The input signal (RX IF IN) is converted into 35MHz IF band with RX SYNTH. After conversion, the 35MHz band signal is extracted through FL1 (Predetection filter). Filtered signal is kept constant level with AGC amplifier and split into two parts and frequency-converted to baseband. The two mixers produce phase quadrature baseband signal by multiplying two phase (0°, +90°) signal. The quadrature baseband signals are filtered and sent to demodulator circuit of CCU.

(2) Receiving frequency synthesizer (RX SYNTH)

RX SYNTH employs the phase locked loop (PLL). The loop circuit consists of the phase detector (PD), the loop filter, the voltage controlled oscillator (VCO), the dualmodulus prescaler, the programmable counter, etc. Channel number data (CH NO D+) from CCU controls division ratio of programmable counter (N₁), so that the output frequency is 93.0MHz to 108.0MHz by step 5kHz.

(3) 35MHz local frequency generator (35MHz LO)

35MHz LO also employs the PLL. Channel number data (CH NO D+) from CCU controls division ratio of programmable counter (N₂), so that the output frequency is 35MHz.

NOTE

Each synthesizer frequency is calculated as follows:

$$(CH \div 2 + 14600) \div 32 = Q_{RX} \dots R_{RX}$$

$$F_{RX} = (Q_{RX} \times 32 + R_{RX}) \times 0.005 \text{ [MHz]}$$

$$F_{35} = (43 \times 16 + 12) \times 0.05 \text{ [MHz]}$$

where

CH : Channel number in decimal

Q_{RX} : Quotient ($Q_{RX} = (CH \div 2 + 14600 - R_{RX}) \div 32$)

R_{RX} : Remainder

F_{RX} : RX SYNTH frequency

F₃₅ : 35MHz LO frequency

3.2.2.2 Modulator (MOD)

The MOD is composed of transmitting frequency synthesizer (TX SYNTH) and Binary Phase Shift Keying Modulator (BPSK MOD).

Description of operation:

(1) Transmitting frequency synthesizer (TX SYNTH)

TX SYNTH employs the two phase locked loop (PLL).

One PLL is 486.5MHz band by 115kHz step (LOOP1). Another PLL is 130MHz band by 20kHz step (LOOP2). LOOP1 oscillating frequency is mixed down by LOOP2 frequency and fed to prescaler in order to obtain 476.5 to 496.5 MHz by 5 kHz step .

Channel number data (CH NO D+) from CCU controls division ratio of programmable counter ($N_{1,2}$), so that the output frequency is 476.5 MHz to 496.5 MHz.

(2) BPSK MOD

The TX SYNTH signal is modulated with MOD D at exclusive OR gate for BPSK modulator. Modulated signal is sent to TX IF OUT port through filters, amplifiers and switch.

NOTE

Each synthesizer frequency is calculated as follows:

$$(CH \div 2 - 3000) \div 23 = Q_{TX} \dots R_{TX}$$

$$(Q_{TX} - R_{TX} + 3024) \div 32 = Q_1 \dots R_1$$

$$(R_{TX} \times 6 + 6437) \div 32 = Q_2 \dots R_2$$

$$F_1 = (Q_1 \times 32 + R_1) \times 0.115 \text{ [MHz]}$$

$$F_2 = (Q_2 \times 32 + R_2) \times 0.02 \text{ [MHz]}$$

$$F_{TX} = F_1 + F_2$$

where

CH : Channel number in decimal

Q_{TX} : Quotient ($Q_{TX} = (CH \div 2 - 3000 - R_{TX}) \div 23$)

R_{TX} : Remainder

Q_1 : Quotient ($Q_1 = (Q_{TX} - R_{TX} + 3024 - R_1) \div 32$)

R_1 : Remainder

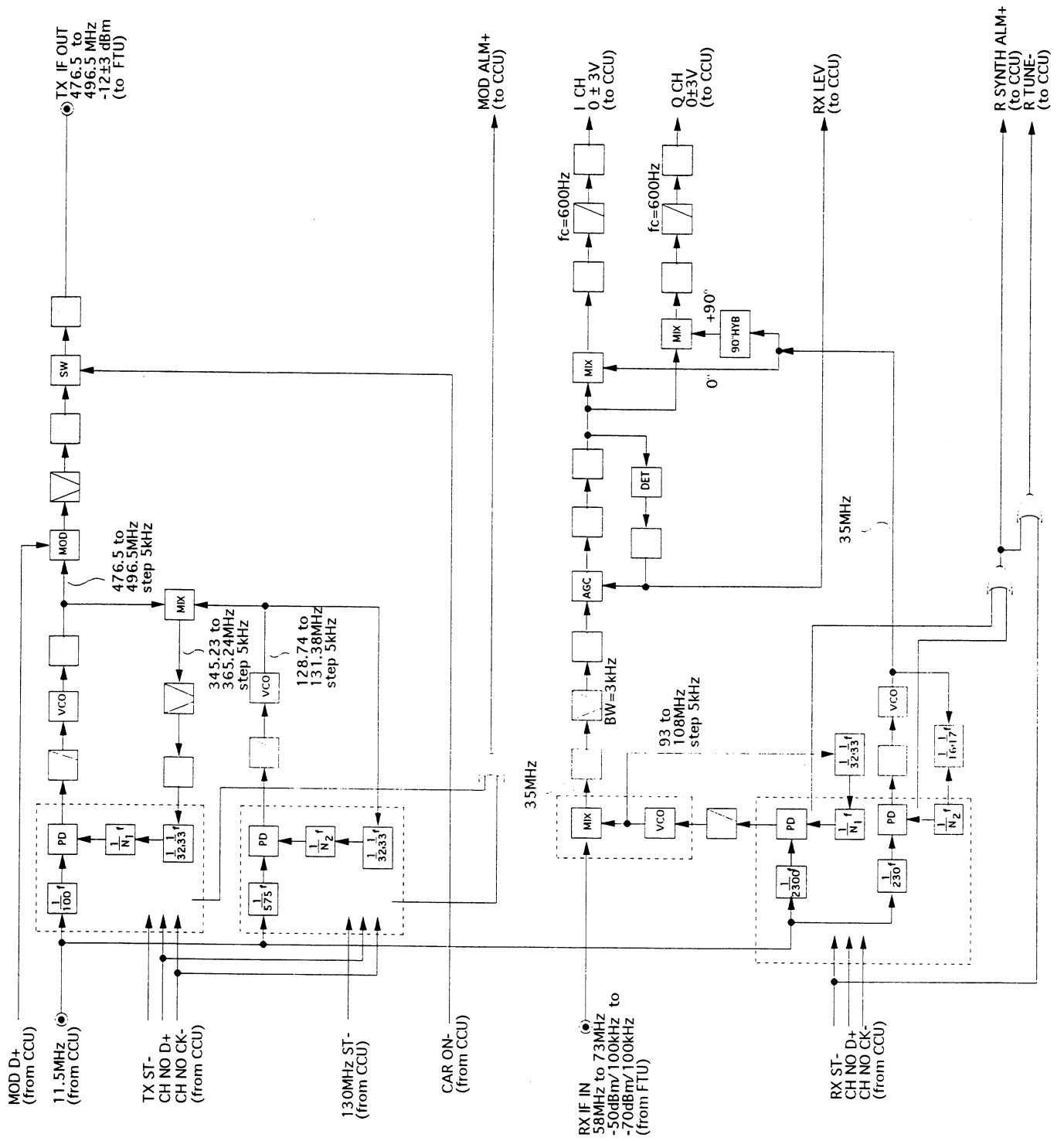
Q_2 : Quotient ($Q_2 = (R_{TX} \times 6 + 6437 - R_2) \div 32$)

R_2 : Remainder

F_1 : Input frequency of LOOP 1 prescaler

F_2 : LOOP 2 frequency

F_{TX} : TX SYNTH frequency



The Central Control Unit (CCU) is composed of Channel Control Circuit (CCC), Decoder Circuit (DEC), Demodulator Circuit (DEM) and Master Oscillator Circuit (MST OSC).

3.2.3.1 CCC

The CCC is composed of Central Processing Unit (CPU), Read Only Memory (ROM), Random Access Memory (RAM), Electrically Erasable and Programmable Read Only Memory (EEPROM), Serial Electrically Erasable and Programmable Read Only Memory (SEEPROM), Application Specified Integrated Circuit (ASIC) RS-232C transceivers for DTE and internal GPS Receiver, level converter for NNSS and others.

The CPU IC1 is a CMOS one-chip 16bits microprocessor TMP68301 (cor CPU is compatible Motorola MC68000). IC1 includes three Universal Asynchronous Receivers and Transmitters (UART) for DTE NNSS and internal GPS Receiver, three Programmable Interval Timers, centronics compatible Printer Port, Interrupt Controller and others.

By pressing reset switch S1, CPU starts running from initial address.

The ASIC (IC9) is a Standard cell type CMOS ASIC.

IC 9 includes interface circuit for received signal (NCS common channel and CES TDM :RX signal), interface circuit for transmitting signal (MES signalling and message channel :TX signal), interface circuit for External Data Port (EDP), Dual Port RAM for interfacing to DEC, interrupt controller, watchdog timer, address decoder, timing generator for CPU and peripheral and others.

ROM1 (IC2) is 256k x 16bits ROM, in which the program of MES control is stored.

Each RAM, RAM1 (IC3) through RAM4 (IC6) is 128k x 8bits RAM and is used as a read/write memory for the processing. The RAMs are backed up by the capacitor.

EEPROM IC7 is 64k x 8bits EEPROM, in which NCS IDs, CES IDs, NCS common channel numbers, and others are stored.

SEEPROM IC26 is 16 x 16bits SEEPROM, in which MES IDs is stored.

RTC IC8 informs current time used for call logging, alarm history and others.

3.2.3.2 DEC

DEC is composed of Central Processing Unit (CPU: 68000), Read Only Memory (ROM: 128k Bytes), Random Access Memory (RAM: 32k Bytes) and Costom LSI.

The function of DEC is Frame Synchronizing, Deinterleaving, Viterbi decoding, Downloading the DEM Instruction Program to DEM and Communicating between CCC and DEM.

Function:

- | | |
|---------------------------|--|
| (1) Interleaving | $J = (2 \times 23) \text{ modulo } 64$ |
| (2) Coded Symbol Rate | 1200 symbol per second |
| (3) Frame Length | 10368 symbol at 1200 symbol per second
8640.0mS normal duration |
| (4) Frame Synchronization | 128bit (2×64) frame unique word |
| (5) Viterbi Decoder | $K=7, r=1/2, G(1)=133, G(2)=171$ |
| (6) Download | DEC download the DEM Instruction Program to DEM at MSTRST from CCC. |
| (7) Communication | DEC control comRAM on Custom LSI for Communication of between CCC and DEM. |

Input/Output specifications are shown as Table 3.2.3.1 and Table 3.2.3.2.

Table 3.2.3.1 INPUT

NAME	TERMINAL	LOGIC	SPECIFICATION
DEM_LOCK	IC108 91pin	Edge H-L	Decoder is initiated by edge of DEM R LOCK from Demodulator.
DEM_CK	IC108 92pin	1200 Hz	Demodulated Clock from Demodulaotr
DEM_R DS	IC108 96pin	DATA	MSB(sign Bit) of demoduled data from Demodulator.
DEM_R D1	IC108 95pin	DATA	3rd bit of demodulated data from Demodulator
DEM_R D2	IC108 94pin	DATA	2nd bit of demodulated data from Demodulator
DEM_R D3	IC108 93pin	DATA	LSB bit of demodulated data from Demodulator
DPR_IR	IC109 26pin	L	Interruppt(Header of communicated Dual Port RAM) from Main CPU
DEC_D	IC108 65pin	DATA	Decoded Data to Main CPU
DEC_C	IC108 66pin	600Hz	Decoded CLK to Main CPU
DEC_FSY	IC108 67pin	L	Decoded Frame Sync. to Main CPU (8.64sec cyclic)
DEC_CSY	IC108 61pin (TTL)	H	Decoded Carrier Sync. to Main CPU

Table 3.2.3.2 OUTPUT

NAME	TERMINAL	LOGIC	SPECIFICATION
DEC_D	IC108 65pin TP100	DATA (TTL)	Decoded Data (to Main CPU)
DEC_C	IC108 66pin TP103	600Hz (TTL)	Decoded CLK (to Main CPU)
DEC_FSY	IC108 67pin TP101	L (TTL)	Decoder(UW) Frame Sync (to Main CPU) 8.64sec Cyclic
DEC_CSY	IC108 61pin TP102	L (TTL)	Decoder Carrier Sync (to Main CPU)
DPR_CS	IC108 62pin	L (TTL)	Interrupt (Header of Communicated Dual Port RAM) to Main CPU
MANU_RST	IC108 59pin	L (TTL)	Decoder Manual Reset

3.2.3.3 DEM

DEM is composed of Digital Signal Processor (DSP: TMS320C10), two Random Access Memories (RAM: 32 k x 8 bits x 2), analog to digital converter (A/D) and peripheral circuits. The DEM mainly provides following functions.

1. 1200 Symbols per second BPSK demodulator.
 - 1.1 Carrier and clock recovery
 - 1.2 Output demodulated data (DEM RD: 15 level soft decision) and demodulated clock (DEM CK).
2. Control the MST OSC for acquiring received carrier and maintaining transmit carrier locked to the received carrier (CLOCK, STROBE and DEM D15).

Input / Output specifications are shown as Table 3.2.3.3 through Table 3.2.3.5

Table 3.2.3.3 LED

NAME	TERMINAL	STATE	SPECIFICATIONS
CD	CD100	light	DEM has detected the carrier.
LK	CD101	light	DEM has locked the received carrier.

Table 3.2.3.4 INPUT

NAME	TERMINAL	LOGIC	SPECIFICATIONS
I ch	IC115 12pin P704 19pin	-	In-phase signal (from IFU) 0±3.0V
Q ch	IC115 13pin P704 20pin	-	Quadrature signal (from IFU) 0±3.0V
MST_RST	IC108 53pin (TTL)	H	Master reset (from CCC)
P_FAIL	IC108 51pin (TTL)	L	Power failure (from CCC)
R_TUNE	IC108 52pin (TTL)	L	Change the Channel of Synthesizer (from IFU)

Table 3.2.3.5 OUTPUT

NAME	TERMINAL	LOGIC	SPECIFICATIONS
DEM_CK	IC108 65pin TE104	(TTL)	1200Hz Demodulated clock (to DEC)
DEM_LOCK	IC108 87pin TE105	L (TTL)	DEM has locked the received carrier. (to DEC)
DEM_R DS	IC108 81pin TE100	- (TTL)	MSB of Demodulated data (15 level soft decision) Sign bit (to DEC)
DEM_R D1	IC108 82pin TE101	- (TTL)	3rd bit of Demodulated data (15 level soft decision) Coding gain bit (to DEC)
DEM_R D2	IC108 83pin TE102	- (TTL)	2nd bit of Demodulated data (15 level soft decision) Coding gain bit (to DEC)
DEM_R D3	IC108 84pin TE103	- (TTL)	LSB of Demodulated data (15 level soft decision) Coding gain bit (to DEC)
DEM D15	IC200 7pin IC108 62pin	- (TTL)	Data for Serial data input D/A(PCM56P) to control VCXO (to MST OSC)
CLOCK	IC200 5pin IC118 6pin	- (TTL)	Clock for Serial data input D/A(PCM56P) to control VCXO (to MST OSC)
STROBE	IC200 6pin IC108 1pin	- (TTL)	Strobe for Serial data input D/A(PCM56P) to control VCXO (to MST OSC)
VCO_CTRLV	16bit com RAM	-	VCXO control voltage (to CCC) (Hexadecimal 2's complement)
F0	16bit com RAM	-	Frequency offset (to CCC) (Hexadecimal 2's complement)
REC_LEV	16bit com RAM	-	Received signal level (to CCC)

3.2.3.4 MST OSC

The MST OSC is composed of voltage controlled crystal oscillator (VCXO) and D/A Converter.

Output specifications:

46 MHz OUT

Output Frequency : 46.0 MHz

Output Level : -5 ± 3 dBm / 50Ω

11.5 MHz OUT

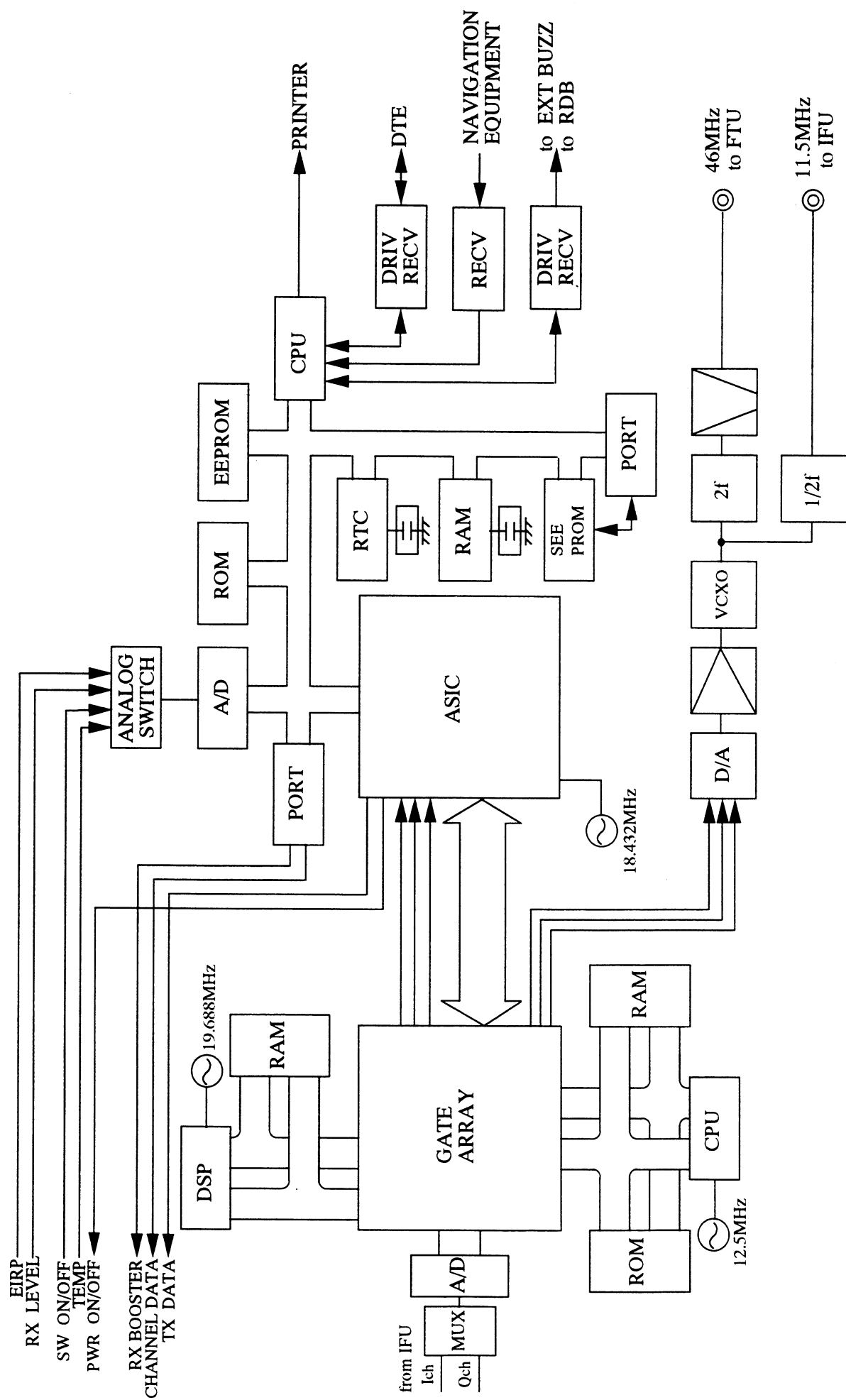
Frequency : 11.5 MHz

Output Level : ECL

Description of operation:

The MST OSC generates the standard frequency for this terminal.

The oscillation frequency is calibrated by received TDM frequency to maintain LMES's transmit frequency error within ± 150 Hz of nominal. The calibration data from DEM through D/A converter controls VCXO.



3.2.4 Power Supply Unit (PSU)

CBD-1151A

PSU is composed of EME PSU and IME PSU.

3.2.4.1 EME PSU

EME PSU is composed of +12V / +28V regulator and control circuit (CONT).

Input / Output specifications:

Input voltage	: DC +9.6V to +32.4V
consumption	: 100VA (maximum)
Output voltage	: DC +12V (at Receiving)
	: DC +28V (at Transmitting)
load current	: 0.12A (at Receiving)
	: 2.5A (at Transmitting)
overall stability	: $\pm 0.5V$

Description of operation

The REG employs the switching-type regulator.

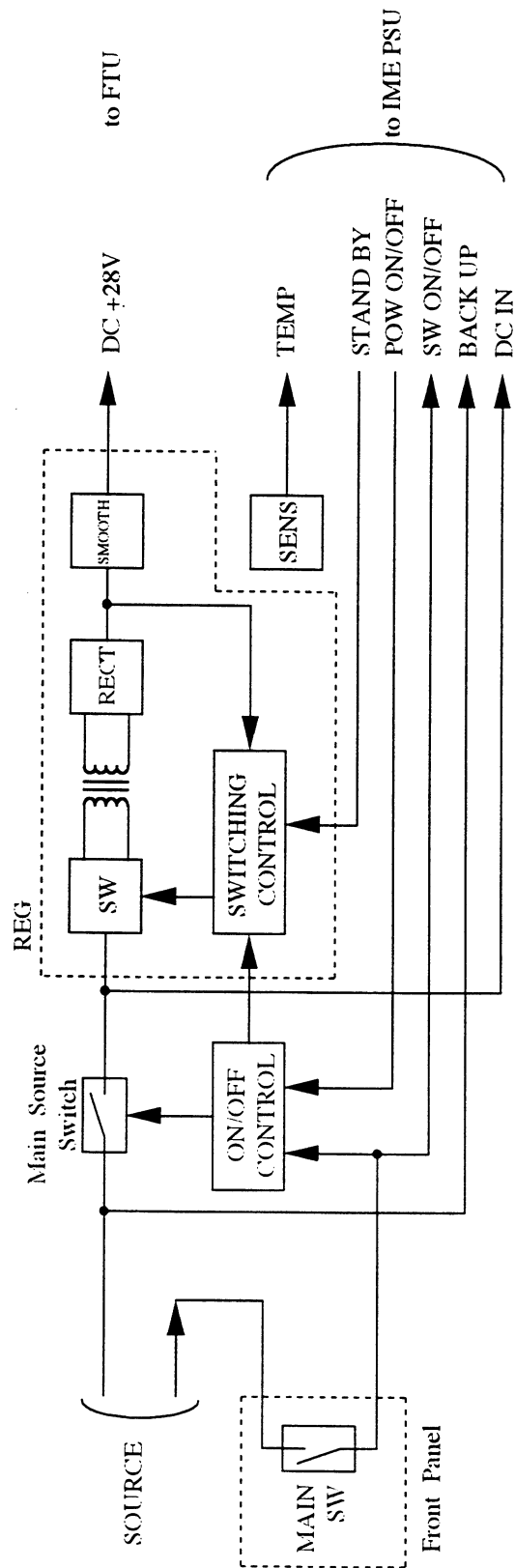
The output voltage of the REG is controlled on the MES state. When MES is receiving state, the CCU controls the output voltage of REG for +12V with low state **STANDBY** signal. When MES is transmitting state, the CCU controls the output voltage of REG for +28V with high state **STANDBY** signal.

The output of REG is fed to EME through the FTU and the EME-IME cable.

The CONT controls the **Main Source Switch** of the MES power in accordance with two controlling signals (**SW ON/OFF** , **POW ON/OFF**). The controlling logic is shown as Table 3.2.4.

Table 3.2.4.1 Controlling Logic of the Main Source Switch

		POWER ON / OFF	
		L state	H state
SW ON/OFF	L state	OFF	ON
	H state	ON	ON



3.2.4.2 IME PSU

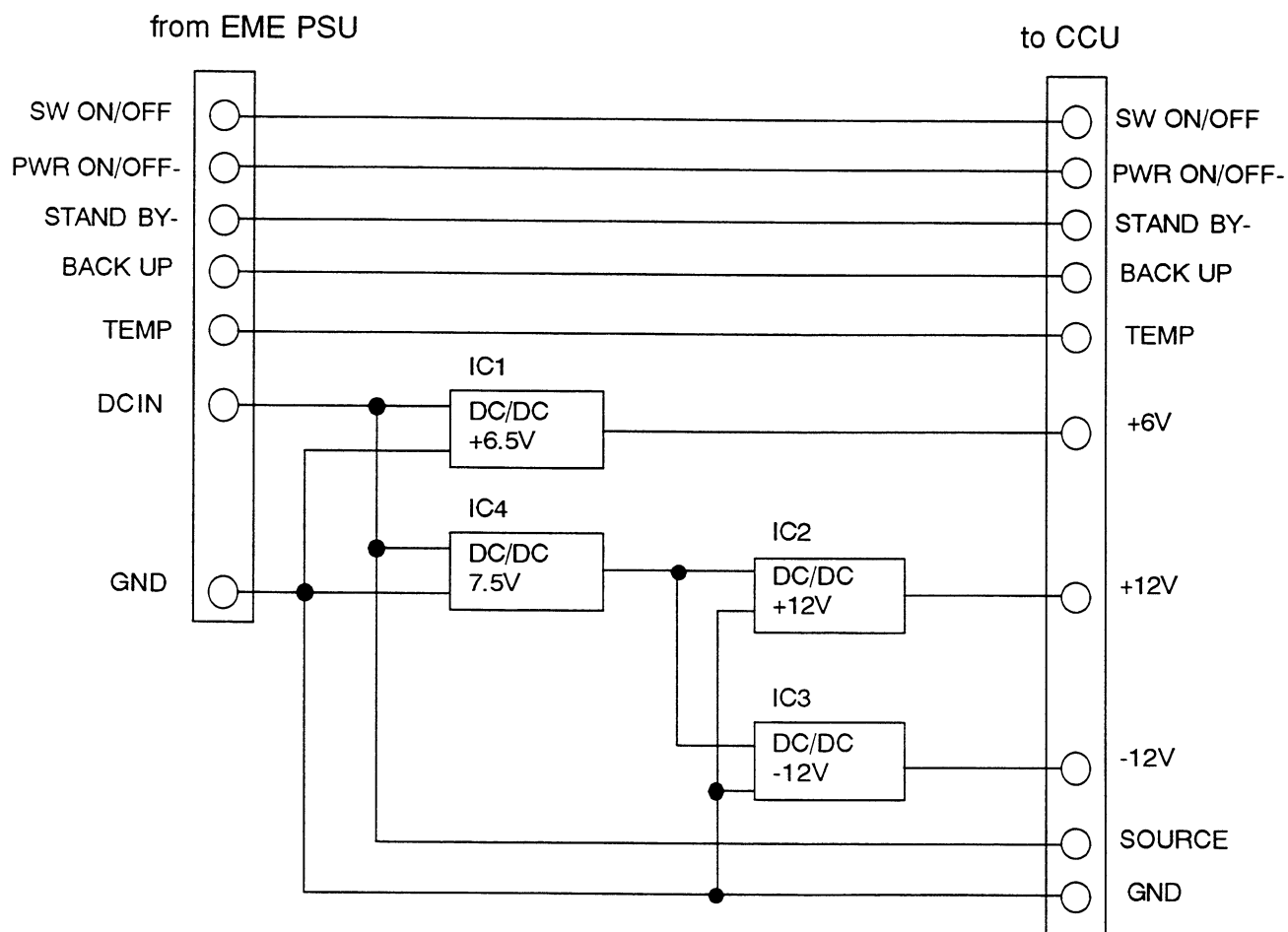
The IME PSU converts input voltage (DC 9.6 to 32.4V) into DC +6V, DC +12V and DC -12V for IME.

The IME PSU is composed of four switching-type voltage regulators.

Step-down switching voltage regulator IC1 supplies DC +6V to IME. Step-down switching voltage regulator IC4 supplies DC +7.5V to step-up switching voltage regulator IC2 and polarization inverting step-up switching voltage regulator IC3. The IC2 supplies DC +12V to IME. The IC3 supplies DC -12V to IME.

Table 3.2.4.2 Output Specifications

Output voltage	+6V	+12V	-12V
Load current (Max.)	1.8A	0.6A	0.16A
Overall stability	±7%	±5%	±5%



3.2.5 Front Panel (PANEL)

CML-351B

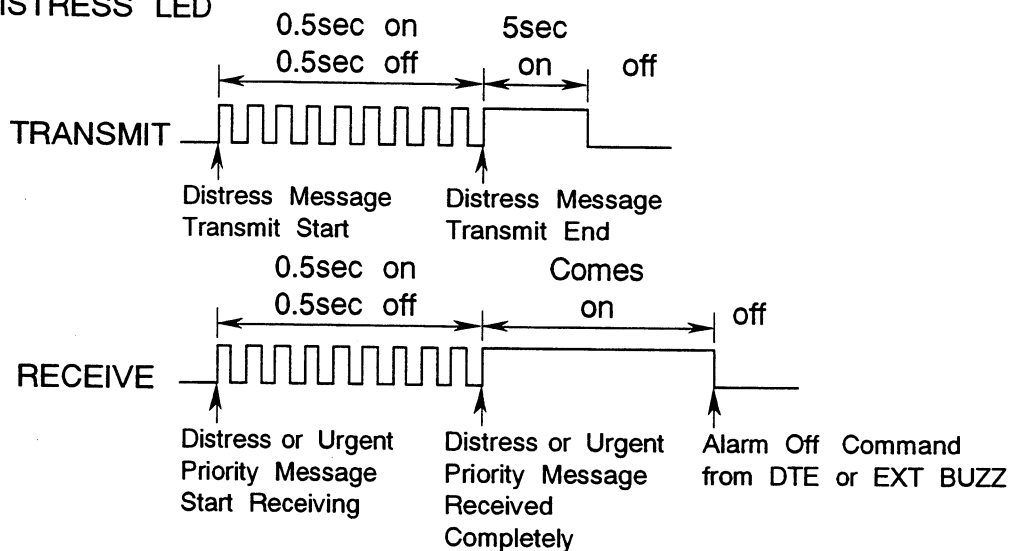
The PANEL is composed of LEDs and speaker.

1) LEDs

The LEDs indicate the MES status shown in below.

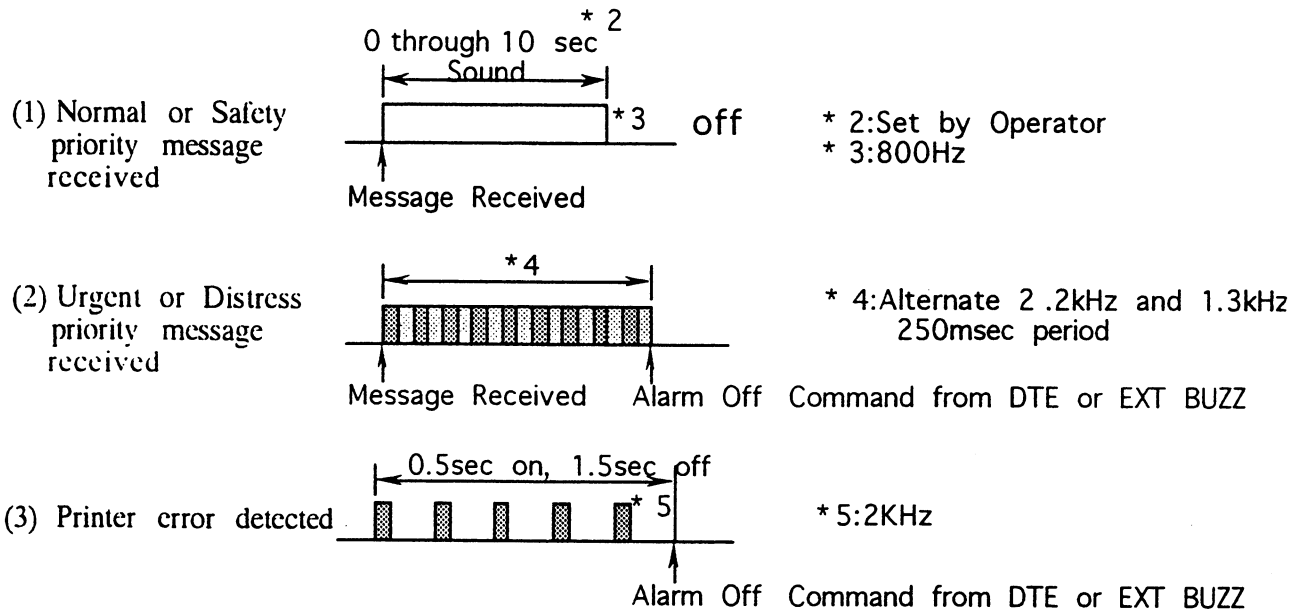
	Comes On	Goes Off	Other
POWER	MES Power ON	MES Power Off	
SYNC	Bulletin Board OK	Bulletin Board NG	
LOG IN	Logged In	Logged Out	
TRANSMIT	MES Carrier on	MES Carrier off	
RECEIVE	Message Receiving	No Message or Message Received and Message Output to DTE and/or Printer	
DISTRESS	*1	*1	*1

* 1: DISTRESS LED



2) Speaker

Speaker sounds when MES receives a message or detects printer error.
Sound-duration time is defined as follows.



3) Reset SW

Reset SW is used to initialize the IME.
The system restarts clearing data in memory.

3.3 EME - IME Cable

3.3.1 Coaxial Cable

Electrical requirement :

RF attenuation (1.6 GHz) ≤ 20 dB

DC loop Resistance $\leq 1.0 \Omega$

(1) JRC supply (option)

Maximum cable length(m)	Model	Diameter (mm)	JRC Model
50	5D-HFW-CE	12.4	CFQ-3922A *
100	10D-HFW-CE	18.9	CFQ-3923A *

Note : * mark shows cable length as follows :

30m -----> * = 3 40m -----> * = 4 50m -----> * = 5
70m -----> * = 7 100m -----> * = 1

(2) User supply

Recommended cables are as follows :

Maximum cable length(m)	Model	Diameter (mm)
35	RG-215/U-Y	14.1
50	RG-224/U-Y	17.7
100	RG-221/U-Y	32.4

3.3.2 Connector

Type "N" male coaxial connector should be used on both ends.

3.4 Options

Following options are provided for JUE-75C.

The marked (*) options are especially recommended for GMDSS.

● Data Terminal Equipment* (DTE)	NDZ-127C
● Printer*	NKG-800
● Externally Data Port (EDP) Kit	6EZSC00026
● Externally Power Supply Unit* (EXT PSU)	NBD-577A
● Externally Buzzer * (EXT BUZZ)	NCE-4772A
● Remote Distress Button* (RDB)	NQE-887A
● Optional Switch Box* (OSB)	NQE-894A
● Distress Button (DB)*	NQE-3037A
● RS-232D/422A INTF (232/422 INTF)	NQA-1689A
● Global Positioning System (GPS) Kit	6EZSC00031

3.4.1 Data Terminal Equipment (DTE)

NDZ-127C

(1) General

The DTE consists of control unit with 9.6 inch LCD Display and Keyboard (NDF-268).
The DTE has the following functions:

Interface specifications between DTE and IME:

Character code : 8 bits ASCII
Speed : 9600 bps
Mode : Asynchronous (start stop system)
Signal type : RS-232C / V.24

(2) LCD Display

The LCD Display uses a 9.6-inch Dual Scan Liquid Crystal Display unit.
The Specifications of this LCD Display are given in Table 3.4.1.

Table 3.4.1 Specification of LCD Display

Items	Specifications
Composition of character	8 x 8 dot matrix
Number of characters	2000 characters/1 page (80 characters x 25 lines)
Total number of horizontal dots	640 dots
Total number of vertical dots	480 dots
Video Memory	512 kbyte
Gray Scale	16 levels
Contrast	256 levels
Back light	256 levels

(3) Keyboard

This Keyboard (NDF-268) is the PC/AT compatible keyboard.

Table 3.4.2 Specification of Keyboard

Items	Specifications
Interface	Serial Interface
Signal Level	TTL
Connector	DIN - 5 pin
Power supply	DC +5V
Dimensions	296 x 150 x 36 mm
Weight	0.76 kg

Table 3.4.3 Signal Name of Connector

Pin No.	Name	Pin No.	Name
1	Clock	4	GND
2	Data	5	+5V
3	NC		

(4) Control unit

The control unit is CDJ-1557A PC-board. This unit is a modified PC/AT computer. On this board CPU (u40: 386Sx) controls the unit with the DTE program stored in EPROM (u4: Mx27C4000DC-15).

(5) Specification

The specification of the DTE are as follows:

- a) Display : 9.6 inch, Dual Scan LCD
- b) Memory : 1M bytes with power failure protection
- c) Line Interface : RS-232C
- d) RO Printer Interface : Based on centronics specification
(Parallel transmission)
ASCII code or JIS standard code Hand-shake system
- e) Primary Power : DC +24V (+19V~32V)
16.8w or less
- f) Temperature : -15°C ~ 55°C
- g) Relative Humidity : Up 95% at 40°C
- h) Dimensions : 393.4 x 280 x 180mm
- i) Weight : 4.5kg

3.4.2 Printer

NKG-800

The printer is connected to Internally Mounted Equipment (IME) or Data Terminal Equipment (DTE) to take a hard copy of transmitted, received and edited messages. The printer must be type-approved by INMARSAT.

Table 3.4.2 Type-approved printers for JUE-75C

Specifications

		NKG-800
Character coding	:	ASCII code
Interface	:	Parallel
Printing method	:	Impact dot
Printing speed	:	120 characters/sec
Character matrix	:	9x7 dot
Line	:	80 characters/line

The EDP Kit is composed of the following unit and cable.

- EDP CMH-1008A
- Power Cable 6ZCSC75011
- Option Cover MPBX20995

• EDP

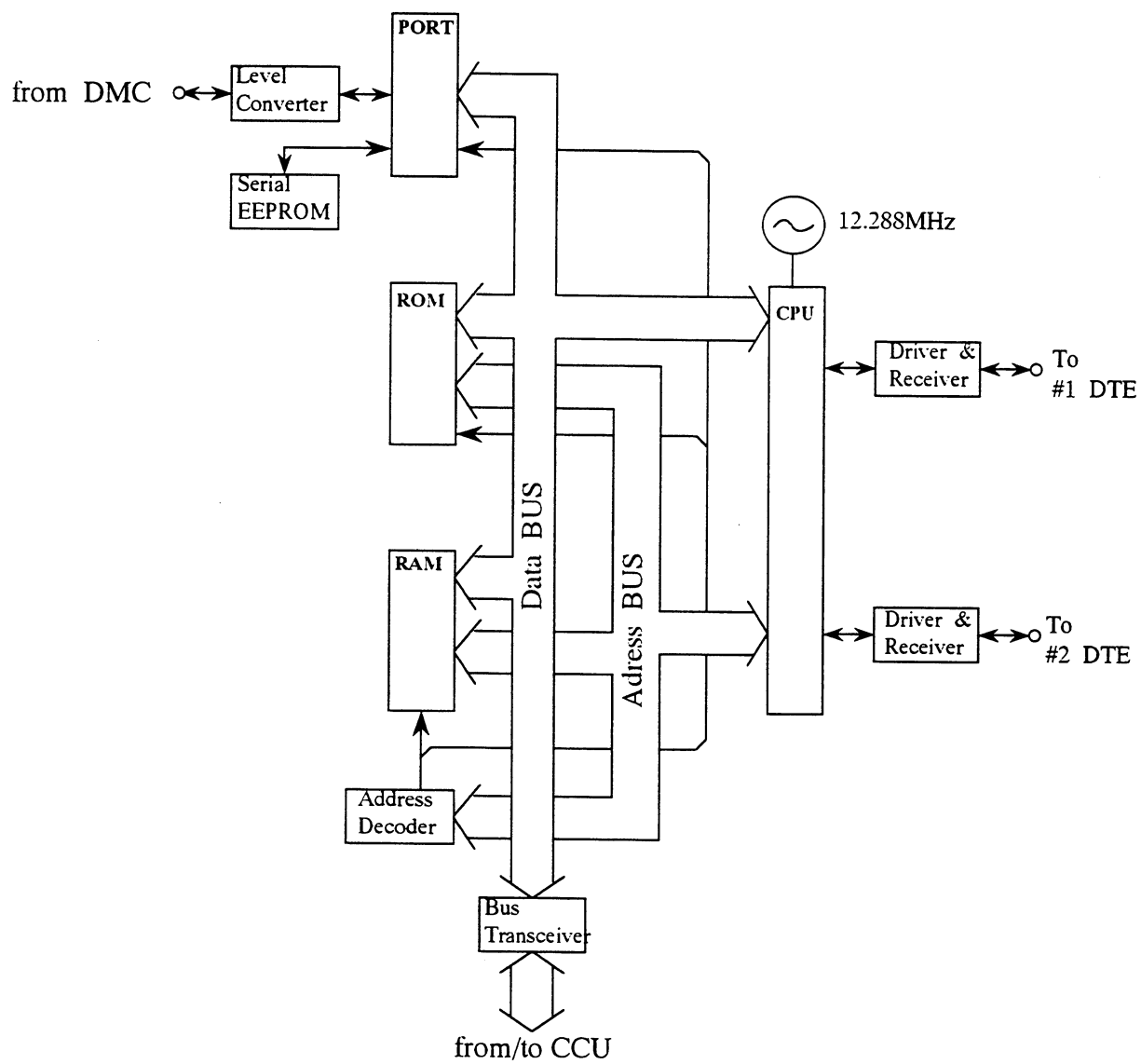
The EDP is composed of central processing unit (CPU) , inter face circuit for #1 and #2 DTE/Data Source (DS) , interface circuit for Distress Message Controller (DMC) and others. .

The CPU includes two Universal Asynchronous Receivers and Transmitters (UART) for DTEs/DSs. The interface circuit for #1 and #2 DTE/DS consists of UART and line driver/receiver. The UART converts the serial data from #1 and #2 DTE/DS to a 8bit parallel data through line receiver IC8 and IC9 respectively, and information from #1 and #2 DTE/DS is sent to CPU. On the other hand, a 8bit parallel data from CPU is converted to serial data, and sent to #1 and #2 DTE through line driver IC8 and IC9, respectively.

The interface circuit for DMC consists of level convertor, driver and I/O port.

The information from DMC is sent to CPU through level convertor and input port.

The information from CPU is sent to DMC through output port and driver.



3.4.4 External Power Supply Unit (EXT PSU)

NBD-577A

The EXT PSU supplies DC +24V to IME, DTE and RO printer.

The EXT PSU is composed of AC input circuit, DC input circuit and DC output circuit.

AC input circuit composed of Filter, Rush Current Limiter, First Rectifier, AC input detector and three switching circuits.

DC input circuit composed of Filter, Rush Current Limiter, DC input detector and three switching circuit.

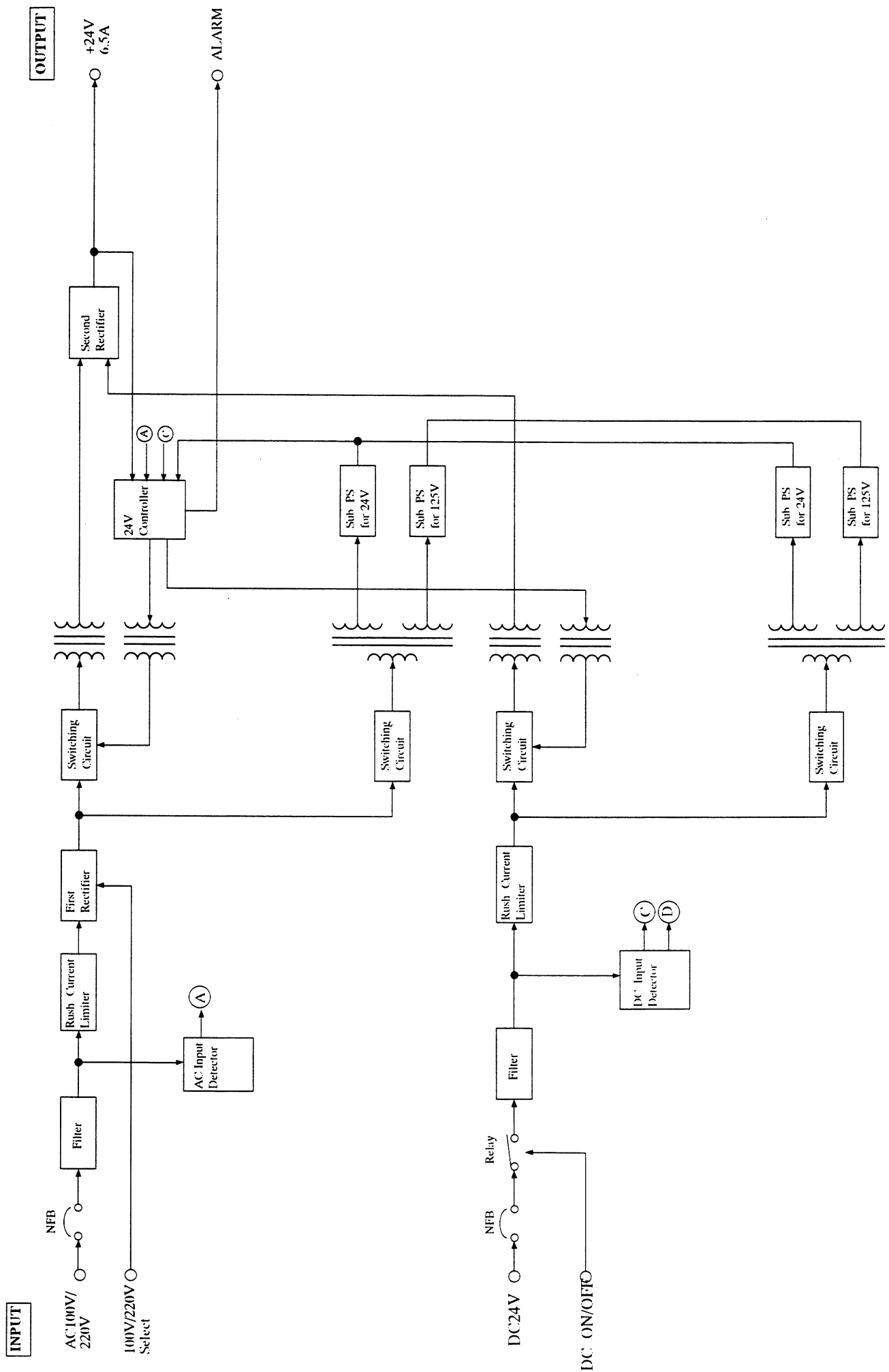
DC output circuit composed of Second Rectifier, DC +24V controller, Sub Power Supply Unit for DC +24V and Sub Power Supply Unit for AC 125V.

Normally DC output are supplied with AC power source. When AC power source cut off (i.e.: Blackout) and DC output is supplied with DC power source.

DC ON/OFF signal cut off the input of DC power source.

Input / Output specifications:

Input voltage	: DC +19.2V to +32.4V (DC +24V) : AC 90V to 121V (AC 100V) Frequency 47~64Hz : AC 180V to 242V (AC 220V) Frequency 47~64Hz
Output voltage	: DC +24V $\pm$ 1V
Load current	: 5.0A (DC +24V)
overall stability	: $\pm$ 1.2V

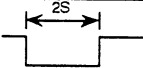
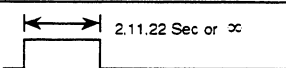
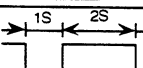
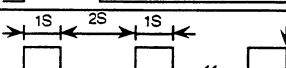
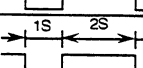
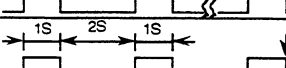
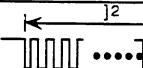
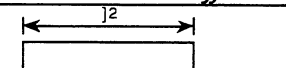
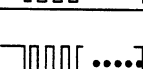
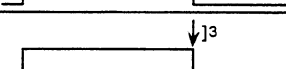
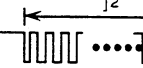
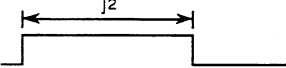
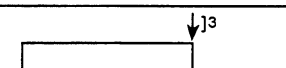


The EXT BUZZ is connected with all model of JRC's INMARSAT terminals (INMARSAT-A SESs, INMARSAT-C MESs and EGC receivers).

One or some terminals is connected and powered on, the **POWER** LED illuminates. When the EXT BUZZ receives the calling signal from a terminal, the speaker sounds and the LED indicated terminal type (**INM-A**, **INM-C**, **EGC**) illuminates. The calling signal format from each terminal is shown as Table 3.4.5.

The brightness of the LEDs on the front of panel are adjusted by **DIMMER** control.

Table 3.4.5

Terminal	Communication mode or priority	Calling Signal	Alerting Signal
INMARSAT-A	TELEX		
	VOICE		
	DATA/FAX		
INMARSAT-C	Low Priority		
	High Priority		
EGC	Low Priority		
	High Priority		

- NOTE**
- * 1: Hand-set of telephone set is hooked off.
 - * 2: Sounding time is selected by the DTE command.
 - * 3: **RESET** switch on the EXT BUZZ is pressed.
 - * 4: Audible frequency.

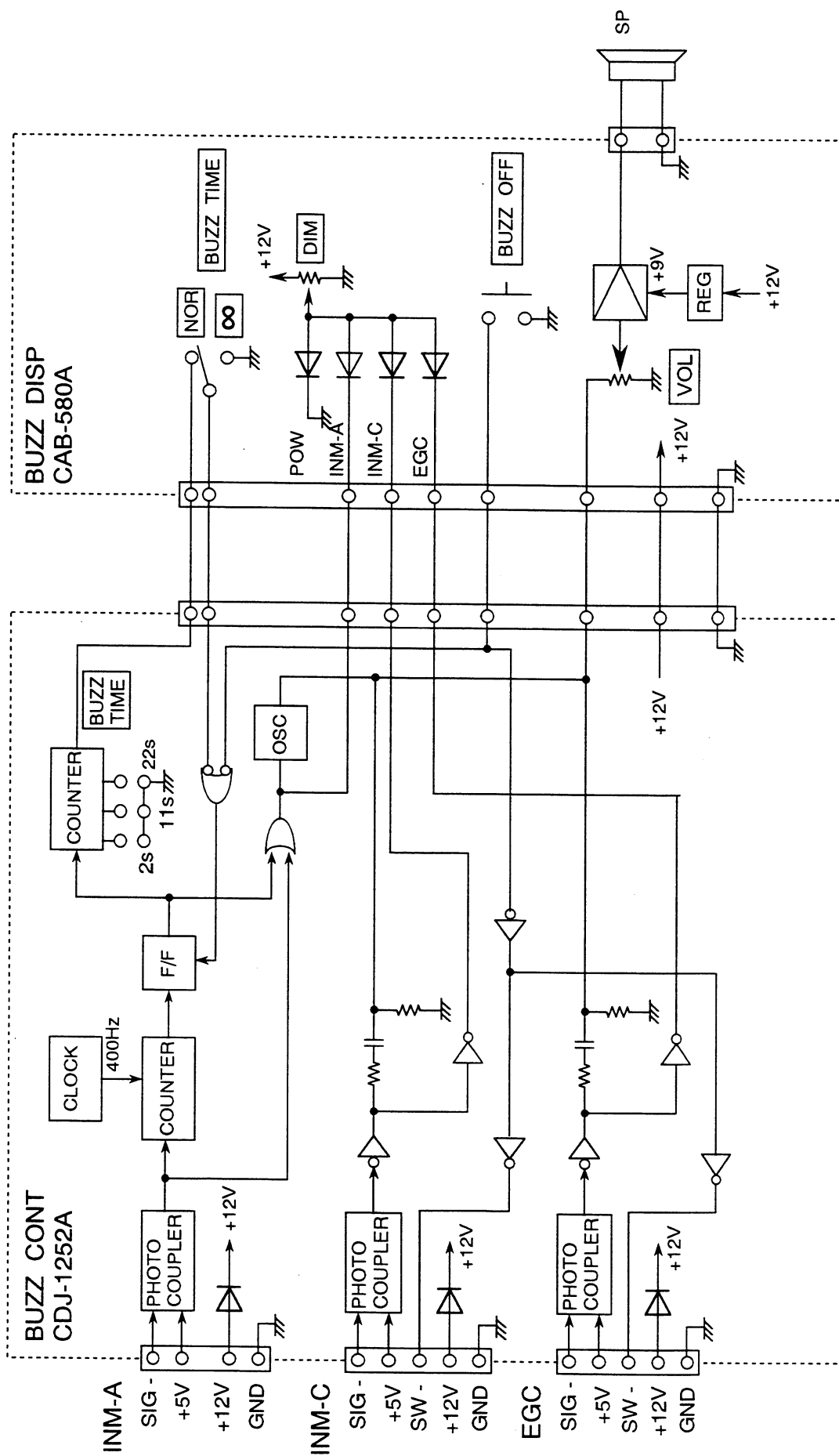


Fig. 3.4.5 EXT BUZZ Block Diagram

3.4.6 Remote Distress Button (RDB)

NQE-887A

The Remote Distress Button (RDB) is used to send the emergency message to Land Earth Station. The block diagram of RDB is shown in Fig. 3.4.6.

When the Mobile Earth Station is **READY** state, the **READY** Lamp is illuminated.

The button is pressed at the idle state, the buzzer sounds (1sec on, 1sec off alternately) and MES is set the distress priority. The button is pressed again, the buzzer sounding period changes (0.5sec on, 0.5sec off alternately) and distress communication starts. The distress communication is completely transmitted, the buzzer ceases.

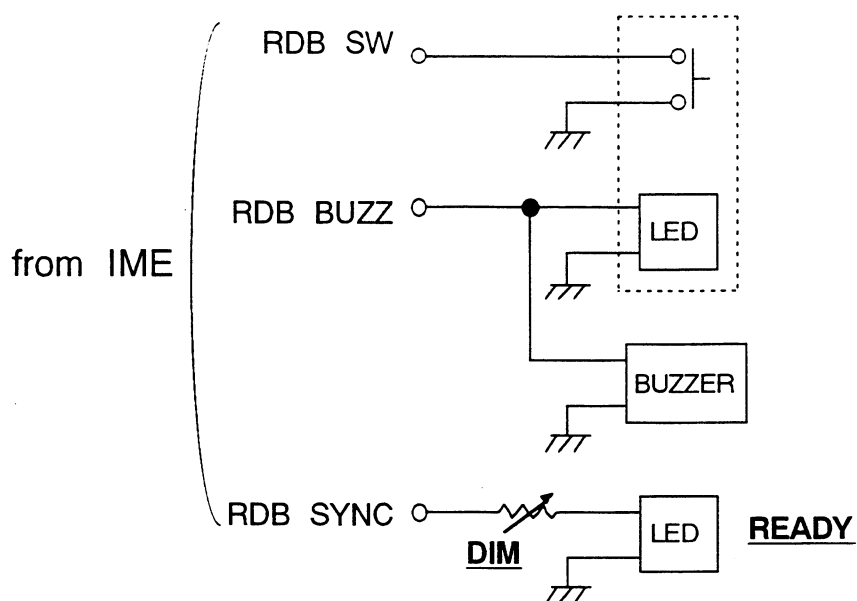


Fig. 3.4.6 RDB Block Diagram

The OSB is composed of the junction board, the select switch for two External Buzzers (EXT BUZZ), the control circuit for two Remote Distress Box (RDB) and conversion circuit for interfacing of navigational equipment in the IME to external equipment.

The OSB can be connected two EXT BUZZs, two RDBs and a signal cable for navigational equipment.

The two EXT BUZZs are selected by SW1 and SW2.

The two RDBs are controlled by IC3 and IC5 through IC9. The two RDBs are not used at the same time. While one RDB is using, the other can not use.

The NMEA0180 level signals from navigational equipment in the IME are converted to the NMEA0183 level signals for external equipment by TR1 through TR3.

The signals from external navigational equipment pass through the OSB to the IME.

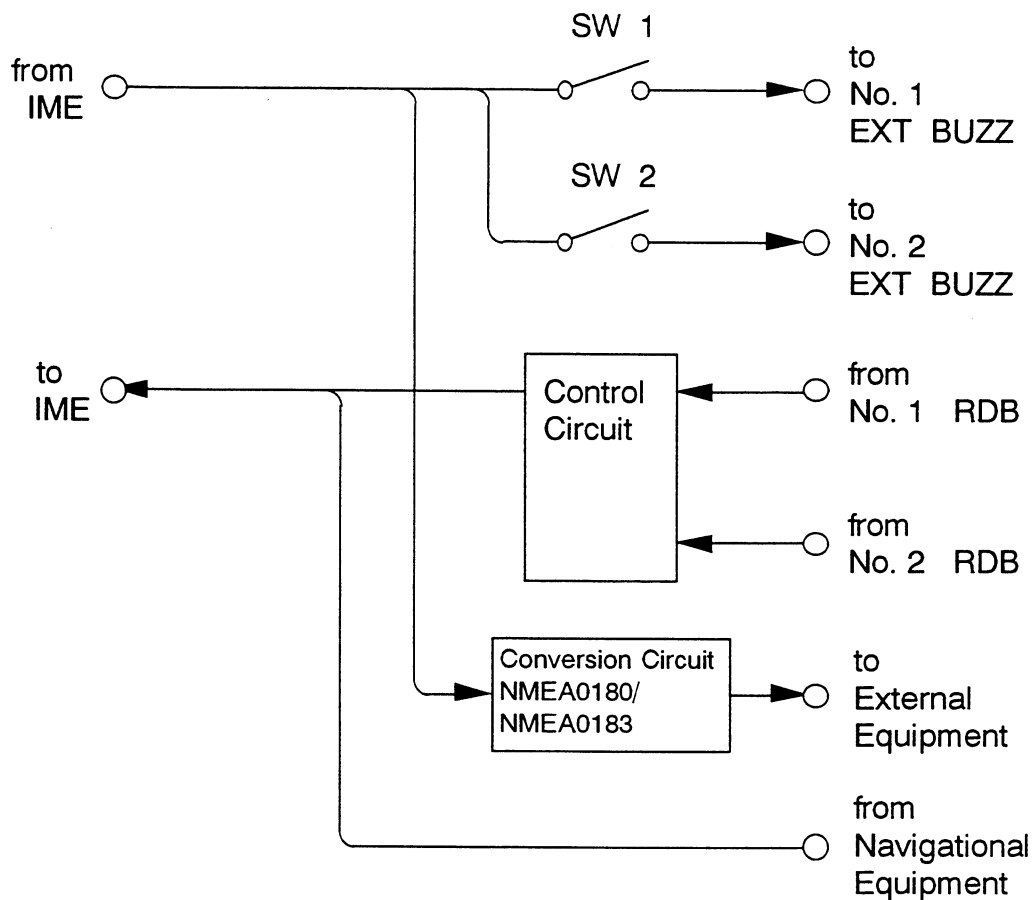


Fig. 3.4.7 OSB Block Diagram

3.4.8 Distress Button (DB)

NQE-3037A

The Distress Button is available to send distress message as follows.
The push button is pressed and held till the buzzer sounds. After that, the push button is pressed again. Then, the distress message is transmitted.
The Distress Button block diagram is shown in Fig. 3.4.8.

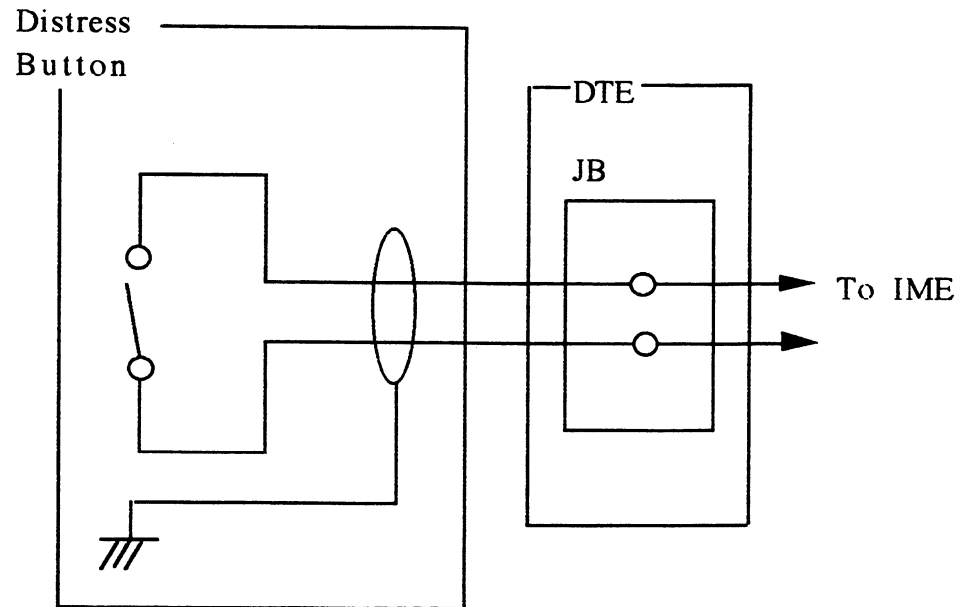


Fig. 3.4.8 Distress Button Block Diagram

The RS-232D/422A INTF is used for connecting IME and DTE at a distance (Max. 50m).

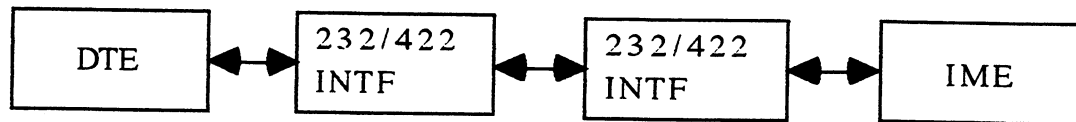


Fig. 3.4.9.1 How to use RS-232D/422A INTF

The RS-232D/422A INTF is to convert signal level (RS-232D from/to 422A). RS-422A signal level is available to transmit signal at a distance.

Available input power is DC 9V~36V.

The RS-232D/422A INTF Block Diagram is shown in Fig.3.4.9.2.

to IME or DTE

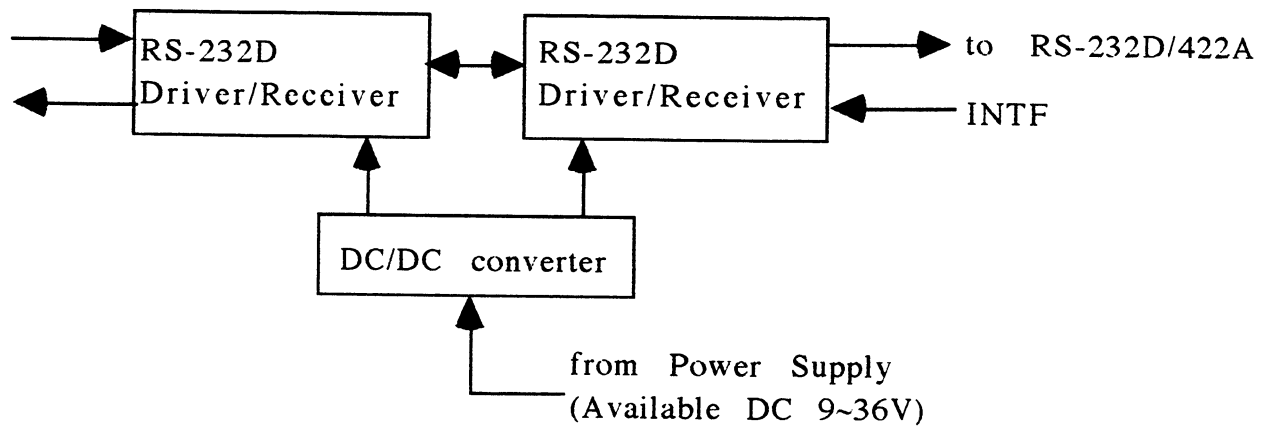


Fig. 3.4.9.2 RS-232D/422A INTF Block Diagram

3.4.10 Global Positioning System (GPS) Kit

6EZSC00031

The GPS Kit is Composed of the following units and cables.

GPS Receiver	: CCA-291PZ
Data Converter	: CMK-371A
RF Cable (Coaxial)	: 6ZCSC75019B
Power Cable (3 Colors)	: 6ZCSC75007A
Data Cable (White)	: 6ZCSC75031
and Extension Box	

Input/Output Specifications

Input

RF signal level	: -110dBm (typical)
Power supply	: DC +9.6~+32.4 V, 300mA (max)

Name	Input/Output	Spec.	Level
RF signal	in	1575.42MHz	-80dBm
Data	in/out	NMEA0183	RS-232C
Power supply	in	300mA(max)	DC +9.6~+32.4V

The GPS Kit inputs RF signal from FTU, power supply from PSU.

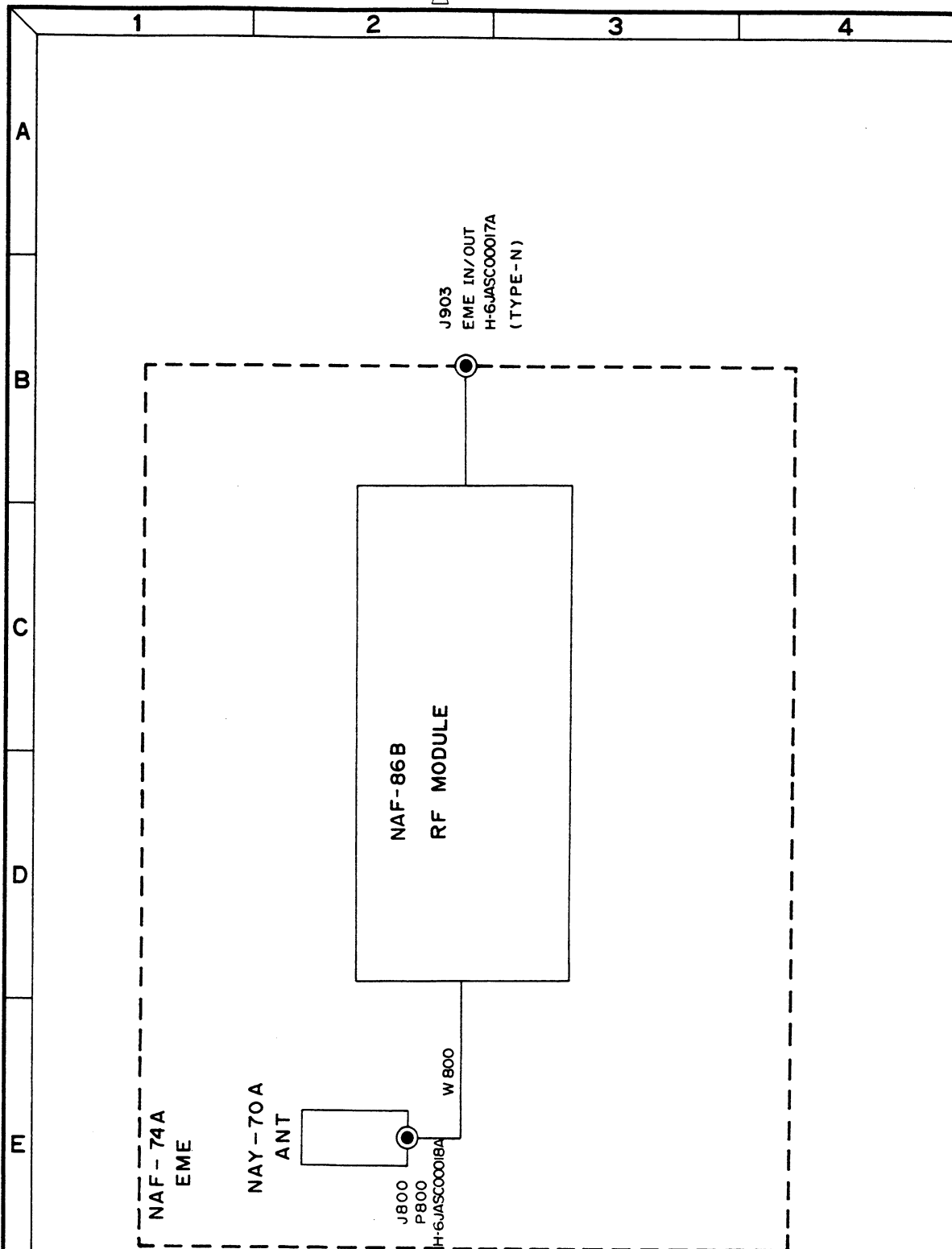
The GPS Kit outputs GGA, VTG, RMC, GLL, GSA and GSV data formatted NMEA0183 and control data formatted JRC.

The GPS data is outputted from GPS Receiver. The Data is converted to RS232C level in the Data Converter, and transferred to CCU.

The GPS Receiver specifications

Antenna	: shared with INM-C
Low Noise Amplifier	: shared with INM-C
Receiving method	: 8 channel
Tracking Capability	: 8 satellite simultaneously
Receiving Frequency	: 1575.42MHz(L1), C/A code
Accuracy	
Horizontal	: 100m 2DRMS(SA on, DOP=2.5)
Velocity	: 0.9m/sec (SA on, DOP=2.5)
Dynamic Capability	
Velocity	: 680km/h max.
Acceleration	: 2g max.
Time to First Fix	: 21sec.~64sec.(with current almanac and ephemeris)
	: 33sec.~138sec.(with almanac, without ephemeris)
	: 95sec.~14min.(without almanac and ephemeris)

4. Schematic Diagrams

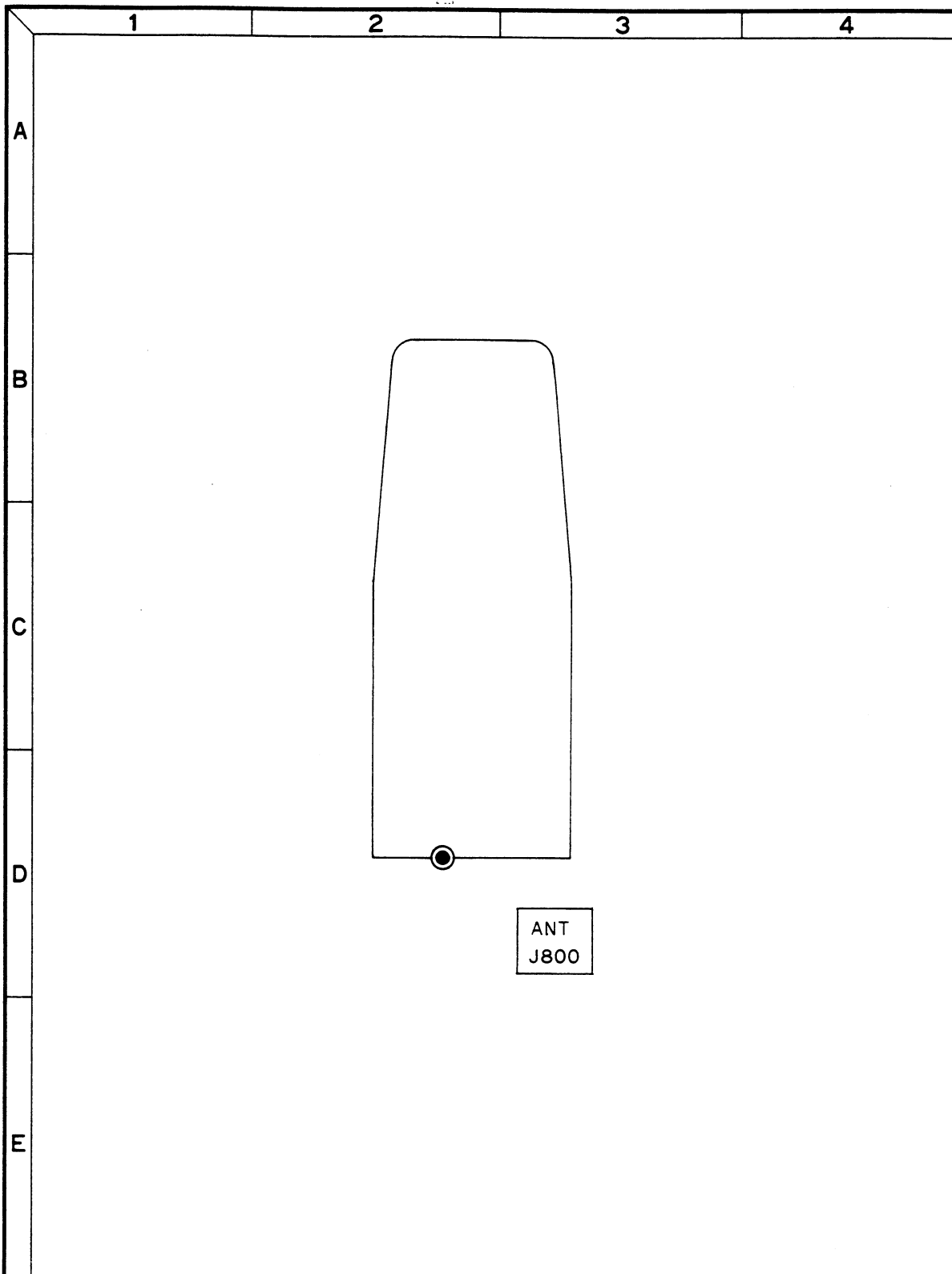


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K. Asakura		T. One		D D O O -		DRAWING NO.		N A F - 7 4 A 0 0 1					
JRC		Japan Radio Co., Ltd.											

G1 813

3rd Angle System

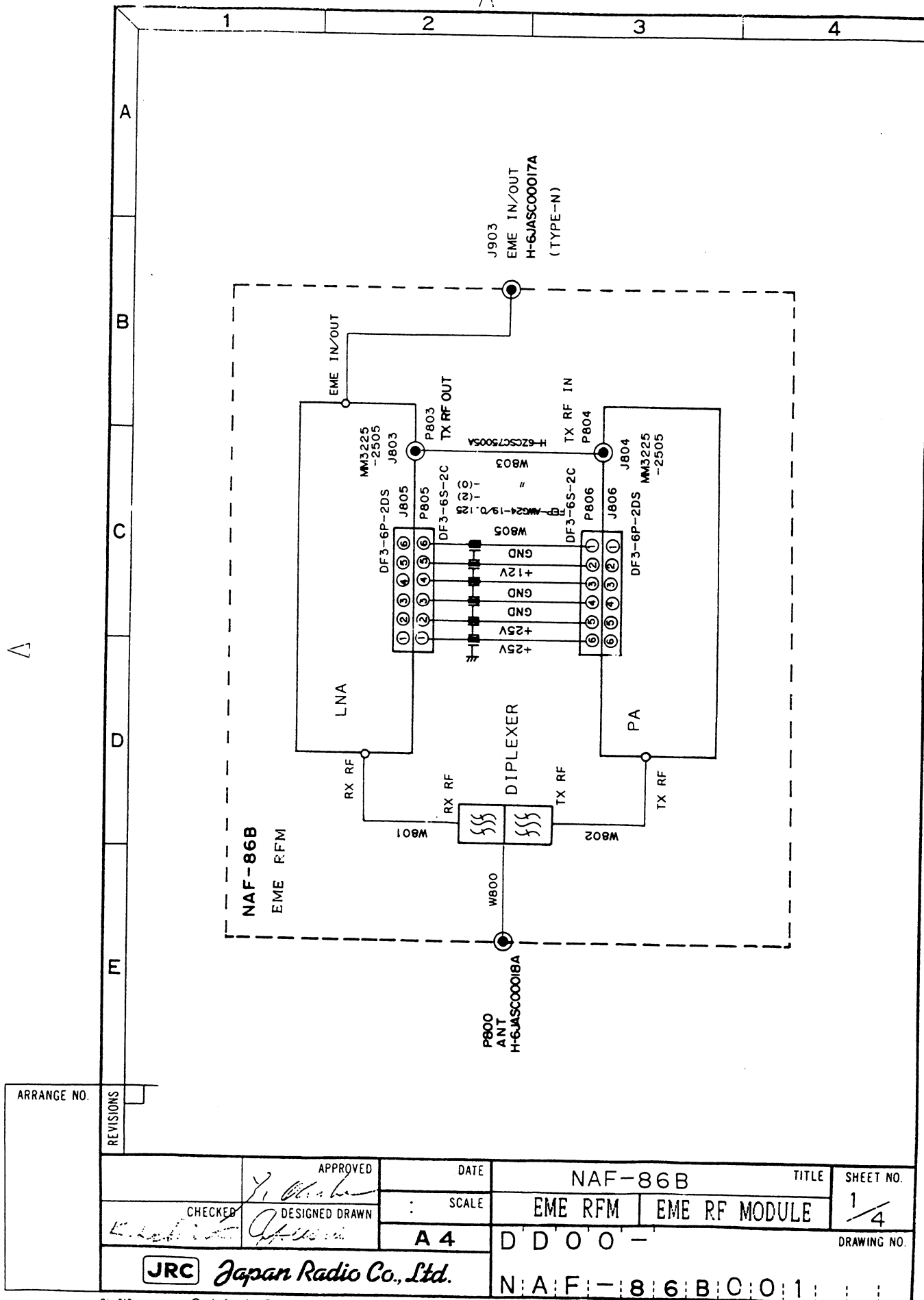
Dimension mm

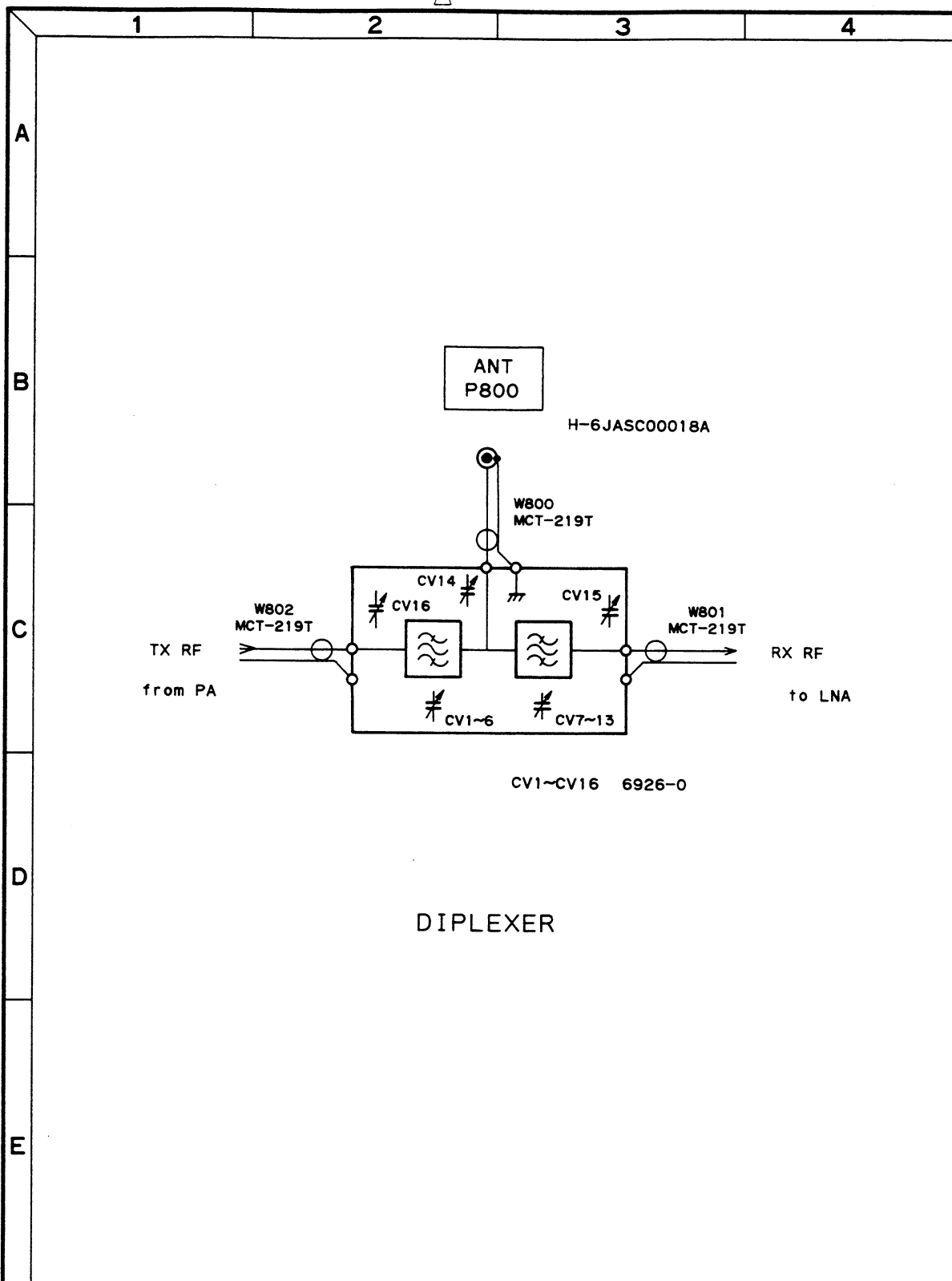


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J800

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	K. J. Ito	T. Ono	A 4		D D O O -			DRAWING NO.
	JRC Japan Radio Co., Ltd.				N A Y - 7 0 A 0 0 1			

G1 813 3rd Angle System Dimension mm





ARRANGE NO.

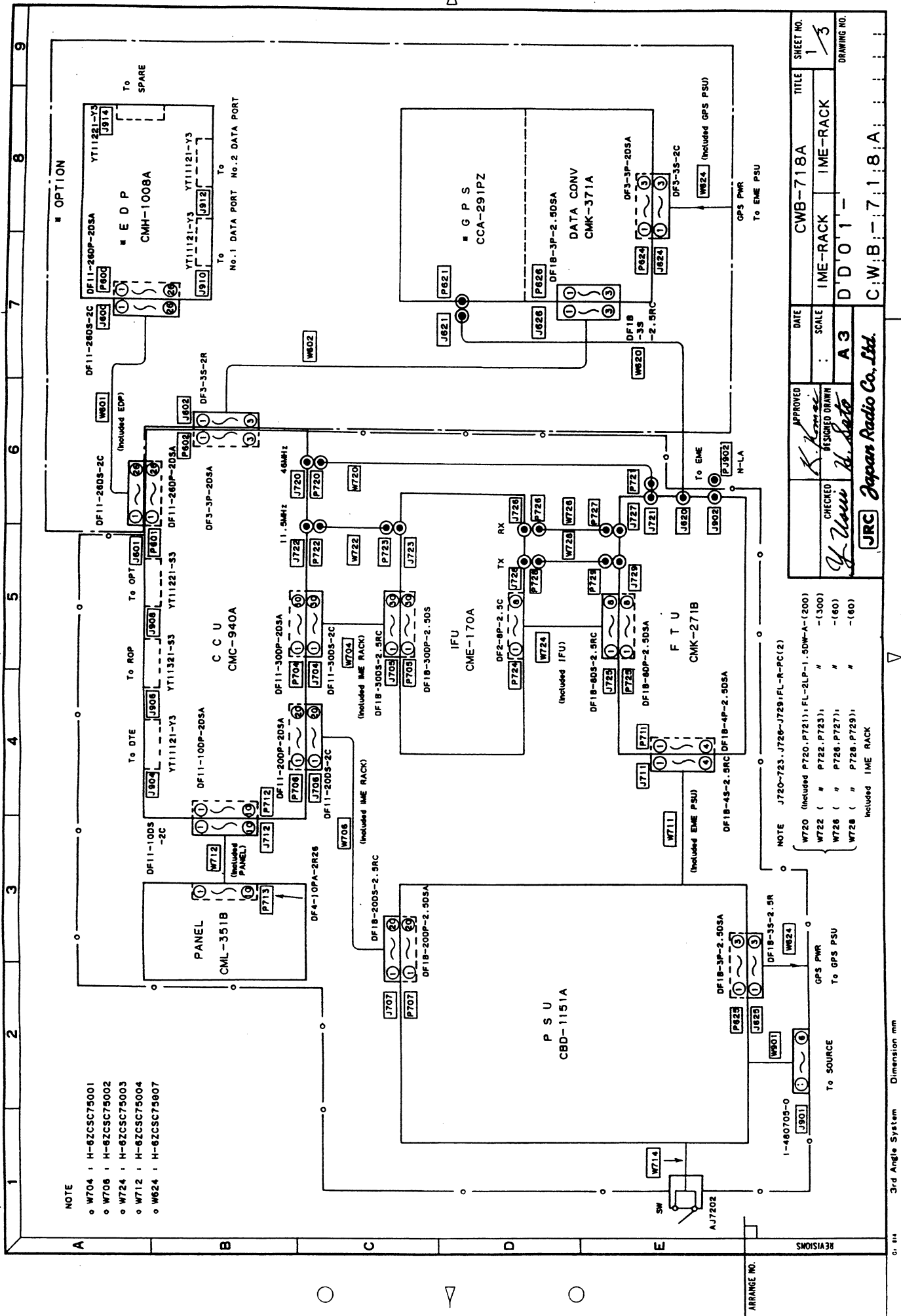
REVISIONS

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A 4		D D O O -				DRAWING NO.
JRC Japan Radio Co., Ltd.		N A F - 8 6 B 0 0 1				

G1 813

3rd Angle System

Dimension mm



W704 (AWG-24x30) (included IME RACK)		W706 (AWG-24x20) (included IME RACK)						
SIGNAL NAME	CCU DF11-3003-2C J704	IFU DF18-3003-2, SRC J705	DESCRIPTION	SIGNAL NAME	CCU DF11-3003-2C J706	PSU DF18-3003-2, SRC J707	COLOR	DESCRIPTION
GND	1	1	BRN	GND	1	1	BRN	18/0.125
TX D	2	2	RED	CPU +5V	2	2	RED	18/0.125
TX CLK	3	3	ORN	GND	3	3	ORN	18/0.125
CAR ON-	4	4	YEL	OTHER +5V	4	4	YEL	18/0.125
CH NO D	5	5	GRN		5	5	GRN	18/0.125
CH NO CLK -	6	6	BLU	+12V	6	6	BLU	18/0.125
RX ST -	7	7	PR	-12V	7	7	PR	18/0.125
TX ST -	8	8	GRY	GND	8	8	GRY	18/0.125
130MHz ST -	9	9	WHT	TEMP	9	9	WHT	18/0.125
STAND BY-	10	10	BLK	BACK UP	10	10	BLK	18/0.125
RX BOOSTER-	11	11	BRN	STAND BY-	11	11	BRN	18/0.125
MOD ALM	12	12	RED	18 +	12	12	RED	18/0.125
FTU OUT MON1	13	13	ORN	SOURCE	13	13	ORN	18/0.125
RX ALM	14	14	YEL	PWR ON/OFF-	14	14	YEL	18/0.125
EIRP	15	15	GRN	SPARE	15	15	GRN	18/0.125
RX LEV	16	16	BLU	GND	16	16	BLU	18/0.125
R TUNE-	17	17	PR		17	17	PR	18/0.125
I DATA	18	18	GRY		18	18	GRY	18/0.125
Q DATA	19	19	WHT		19	19	WHT	18/0.125
	20	20	BLK		20	20	BLK	18/0.125
SPARE	21	21	BRN		21	21	BRN	18/0.125
	22	22	RED		22	22	RED	18/0.125
NEW MOD-	23	23	ORN		23	23	ORN	18/0.125
+5V	24	24	YEL		24	24	YEL	18/0.125
+12V	25	25	GRN		25	25	GRN	18/0.125
-12V	26	26	BLU		26	26	BLU	18/0.125
GND	27	27	PR		27	27	PR	18/0.125
	28	28	GRY		28	28	GRY	18/0.125
	29	29	WHT		29	29	WHT	18/0.125
	30	30	BLK		30	30	BLK	18/0.125

JRC		Japan Radio Co., Ltd.		C:W:B:-7:1:8:A:	
CHFCED	Y. Ueno	APPROVED	H. Kato	DATE	
DESIGNED DRAWN	H. Sato	SCALE	A 3	IME RACK	IME-RACK
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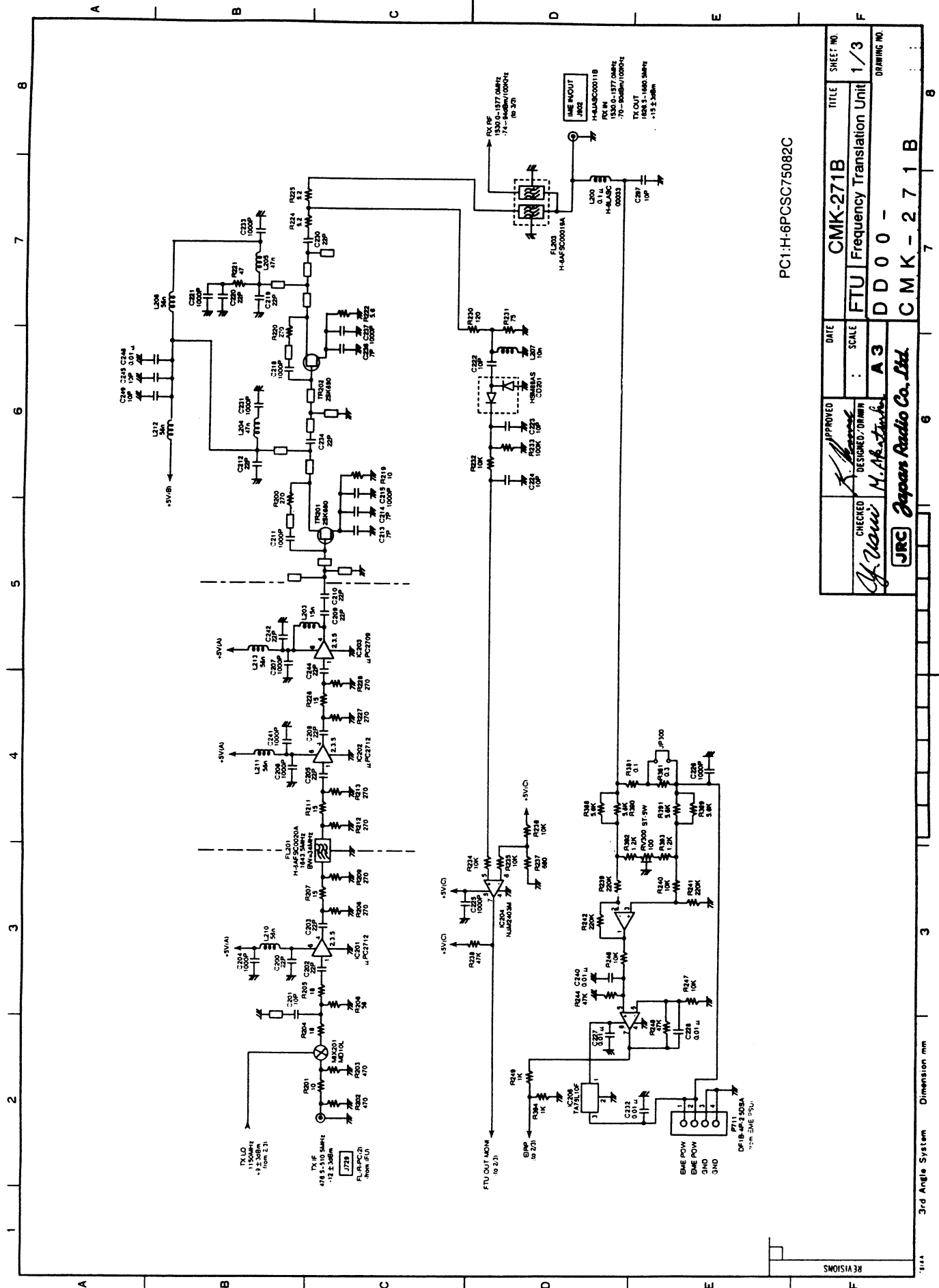
1	2	3	4	5	6	7	8	9																																																								
W711 (AWG-24x4) (included PSU) <table border="1"> <thead> <tr> <th>SIGNAL NAME</th> <th>PSU</th> <th>PTU J711 DF18-43-2.5RC</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>+24V</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>GND</td> <td></td> <td>2</td> <td></td> </tr> <tr> <td></td> <td></td> <td>3</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4</td> <td></td> </tr> </tbody> </table> W724 (AWG-24x8) (included IFU) <table border="1"> <thead> <tr> <th>SIGNAL NAME</th> <th>IFU P724 DF2-8P-2.5C</th> <th>FTU J725 DF18-80S-2.5RC</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>GND</td> <td>1</td> <td>1</td> <td></td> </tr> <tr> <td>+6V</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>STAND BY-</td> <td>3</td> <td>3</td> <td></td> </tr> <tr> <td>RX BOOSTER-</td> <td>4</td> <td>4</td> <td></td> </tr> <tr> <td>FTU OUT MONI</td> <td>5</td> <td>5</td> <td></td> </tr> <tr> <td>EIRP</td> <td>6</td> <td>6</td> <td></td> </tr> <tr> <td>CAR ON-</td> <td>7</td> <td>7</td> <td></td> </tr> <tr> <td>GND</td> <td>8</td> <td>8</td> <td></td> </tr> </tbody> </table>									SIGNAL NAME	PSU	PTU J711 DF18-43-2.5RC	DESCRIPTION	+24V		1		GND		2				3				4		SIGNAL NAME	IFU P724 DF2-8P-2.5C	FTU J725 DF18-80S-2.5RC	DESCRIPTION	GND	1	1		+6V	2	2		STAND BY-	3	3		RX BOOSTER-	4	4		FTU OUT MONI	5	5		EIRP	6	6		CAR ON-	7	7		GND	8	8	
SIGNAL NAME	PSU	PTU J711 DF18-43-2.5RC	DESCRIPTION																																																													
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GND		2																																																														
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SIGNAL NAME	IFU P724 DF2-8P-2.5C	FTU J725 DF18-80S-2.5RC	DESCRIPTION																																																													
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+6V	2	2																																																														
STAND BY-	3	3																																																														
RX BOOSTER-	4	4																																																														
FTU OUT MONI	5	5																																																														
EIRP	6	6																																																														
CAR ON-	7	7																																																														
GND	8	8																																																														

ARRANGE NO.

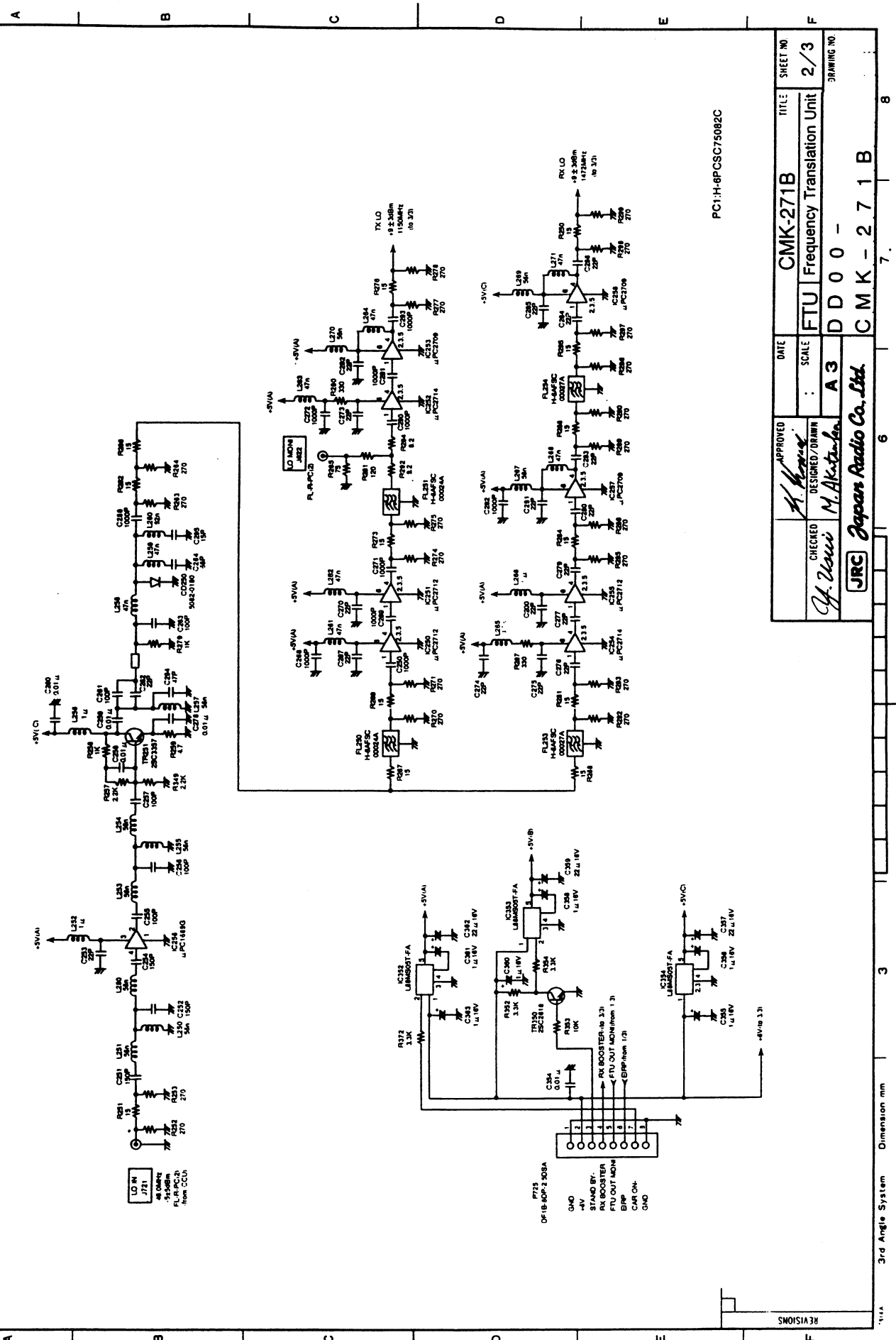
REVISIONS

3rd Angle System

Dimension mm



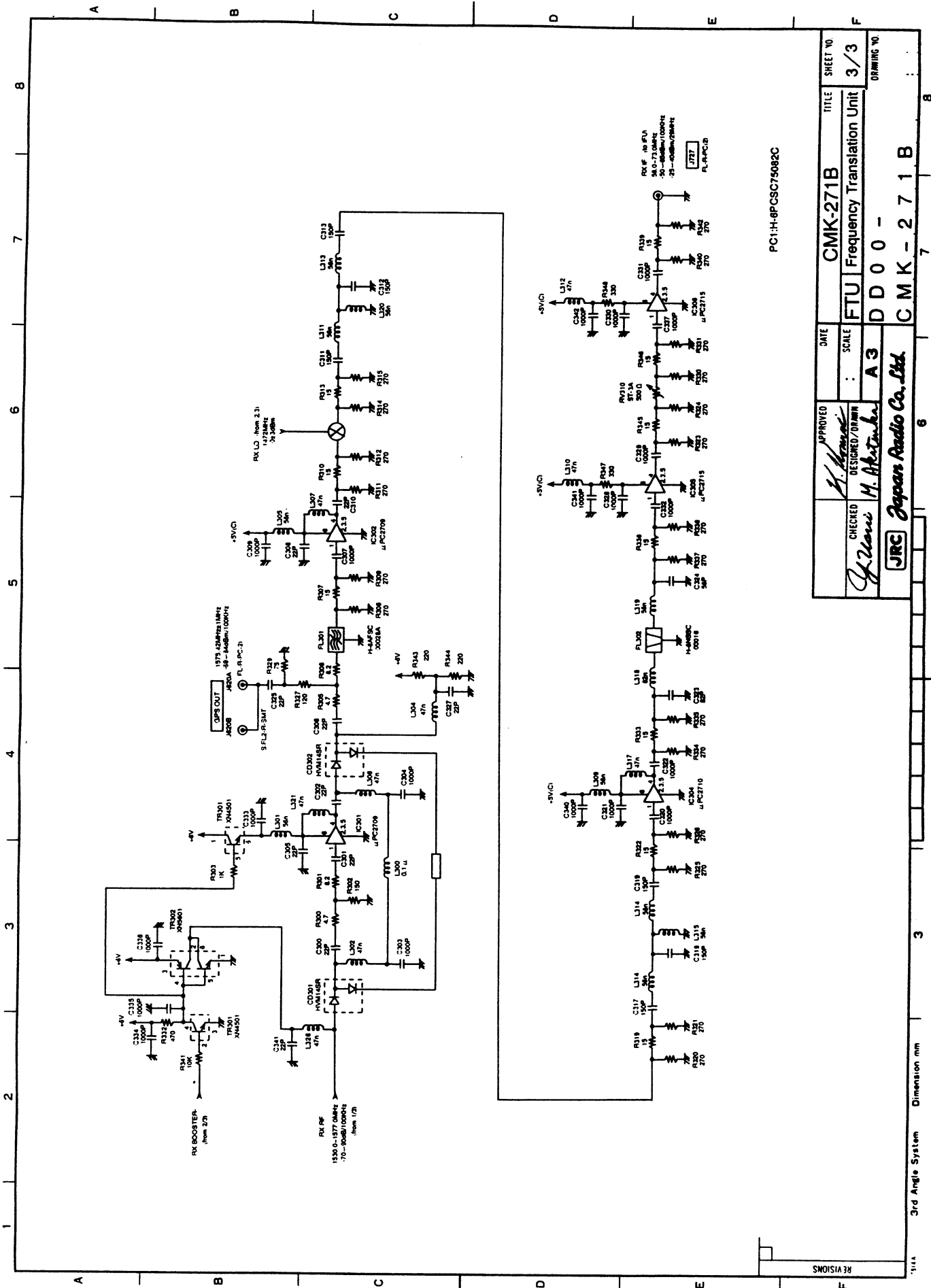
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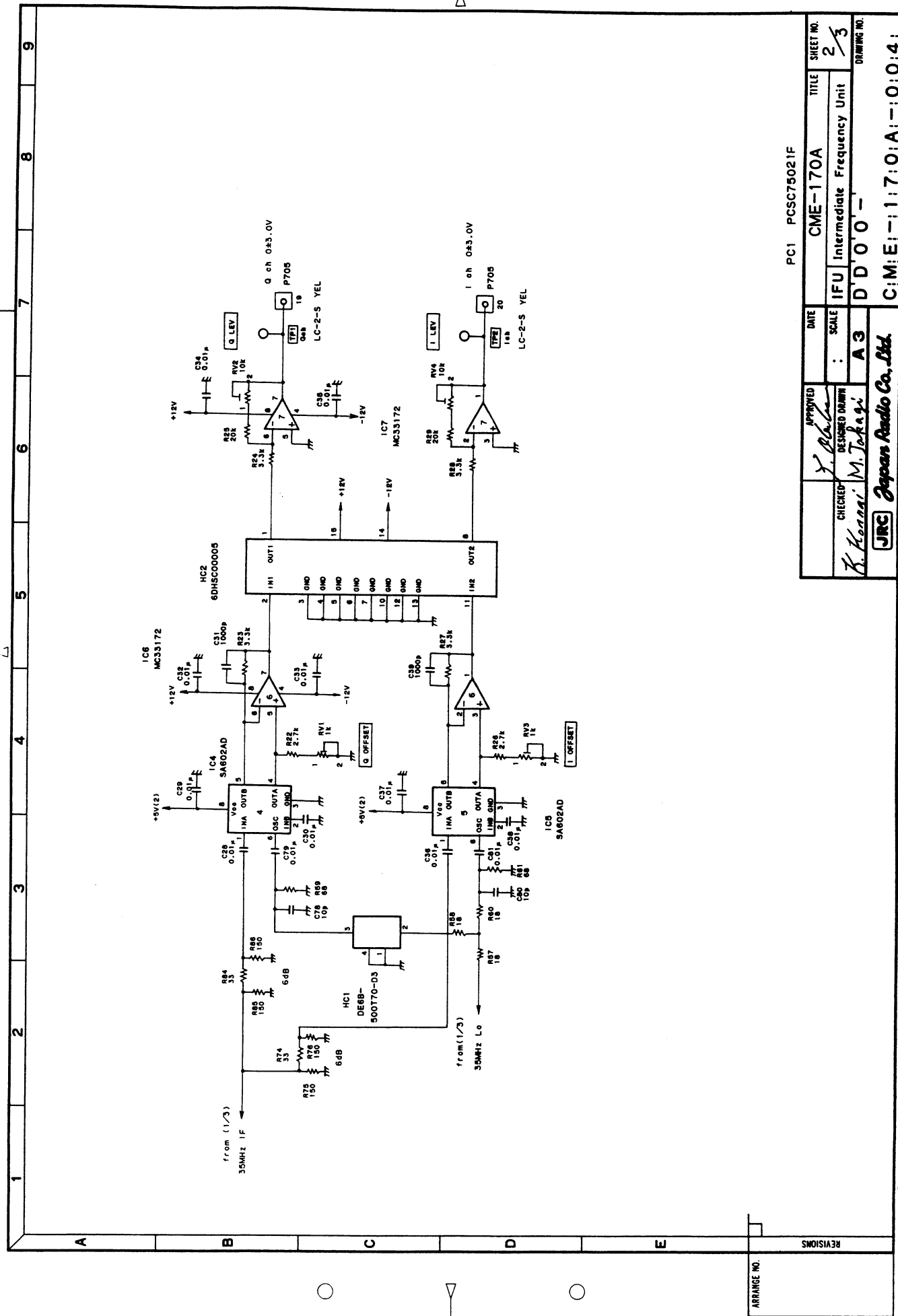
PC1-H-6PSC75082C

REVISED	DATE	TITLE	SHEET NO
1	1980.10.10	CMK-271B	2/3
2	1981.03.10	FTU Frequency Translation Unit	2/3
3	1981.03.10	SCALE	3
4	1981.03.10	DESIGNED/DRAWN	3
5	1981.03.10	CHECKED	3
6	1981.03.10	APPROVED	3
7	1981.03.10	DATE	3
8	1981.03.10	SCALE	3
9	1981.03.10	DESIGNED/DRAWN	3
10	1981.03.10	CHECKED	3
11	1981.03.10	APPROVED	3
12	1981.03.10	DATE	3
13	1981.03.10	SCALE	3
14	1981.03.10	DESIGNED/DRAWN	3
15	1981.03.10	CHECKED	3
16	1981.03.10	APPROVED	3
17	1981.03.10	DATE	3
18	1981.03.10	SCALE	3
19	1981.03.10	DESIGNED/DRAWN	3
20	1981.03.10	CHECKED	3
21	1981.03.10	APPROVED	3
22	1981.03.10	DATE	3
23	1981.03.10	SCALE	3
24	1981.03.10	DESIGNED/DRAWN	3
25	1981.03.10	CHECKED	3
26	1981.03.10	APPROVED	3
27	1981.03.10	DATE	3
28	1981.03.10	SCALE	3
29	1981.03.10	DESIGNED/DRAWN	3
30	1981.03.10	CHECKED	3
31	1981.03.10	APPROVED	3
32	1981.03.10	DATE	3
33	1981.03.10	SCALE	3
34	1981.03.10	DESIGNED/DRAWN	3
35	1981.03.10	CHECKED	3
36	1981.03.10	APPROVED	3
37	1981.03.10	DATE	3
38	1981.03.10	SCALE	3
39	1981.03.10	DESIGNED/DRAWN	3
40	1981.03.10	CHECKED	3
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43	1981.03.10	SCALE	3
44	1981.03.10	DESIGNED/DRAWN	3
45	1981.03.10	CHECKED	3
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48	1981.03.10	SCALE	3
49	1981.03.10	DESIGNED/DRAWN	3
50	1981.03.10	CHECKED	3
51	1981.03.10	APPROVED	3
52	1981.03.10	DATE	3
53	1981.03.10	SCALE	3
54	1981.03.10	DESIGNED/DRAWN	3
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57	1981.03.10	DATE	3
58	1981.03.10	SCALE	3
59	1981.03.10	DESIGNED/DRAWN	3
60	1981.03.10	CHECKED	3
61	1981.03.10	APPROVED	3
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63	1981.03.10	SCALE	3
64	1981.03.10	DESIGNED/DRAWN	3
65	1981.03.10	CHECKED	3
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67	1981.03.10	DATE	3
68	1981.03.10	SCALE	3
69	1981.03.10	DESIGNED/DRAWN	3
70	1981.03.10	CHECKED	3
71	1981.03.10	APPROVED	3
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73	1981.03.10	SCALE	3
74	1981.03.10	DESIGNED/DRAWN	3
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77	1981.03.10	DATE	3
78	1981.03.10	SCALE	3
79	1981.03.10	DESIGNED/DRAWN	3
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93	1981.03.10	SCALE	3
94	1981.03.10	DESIGNED/DRAWN	3
95	1981.03.10	CHECKED	3
96	1981.03.10	APPROVED	3
97	1981.03.10	DATE	3
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99	1981.03.10	DESIGNED/DRAWN	3
100	1981.03.10	CHECKED	3

3rd Angle System Dimension mm



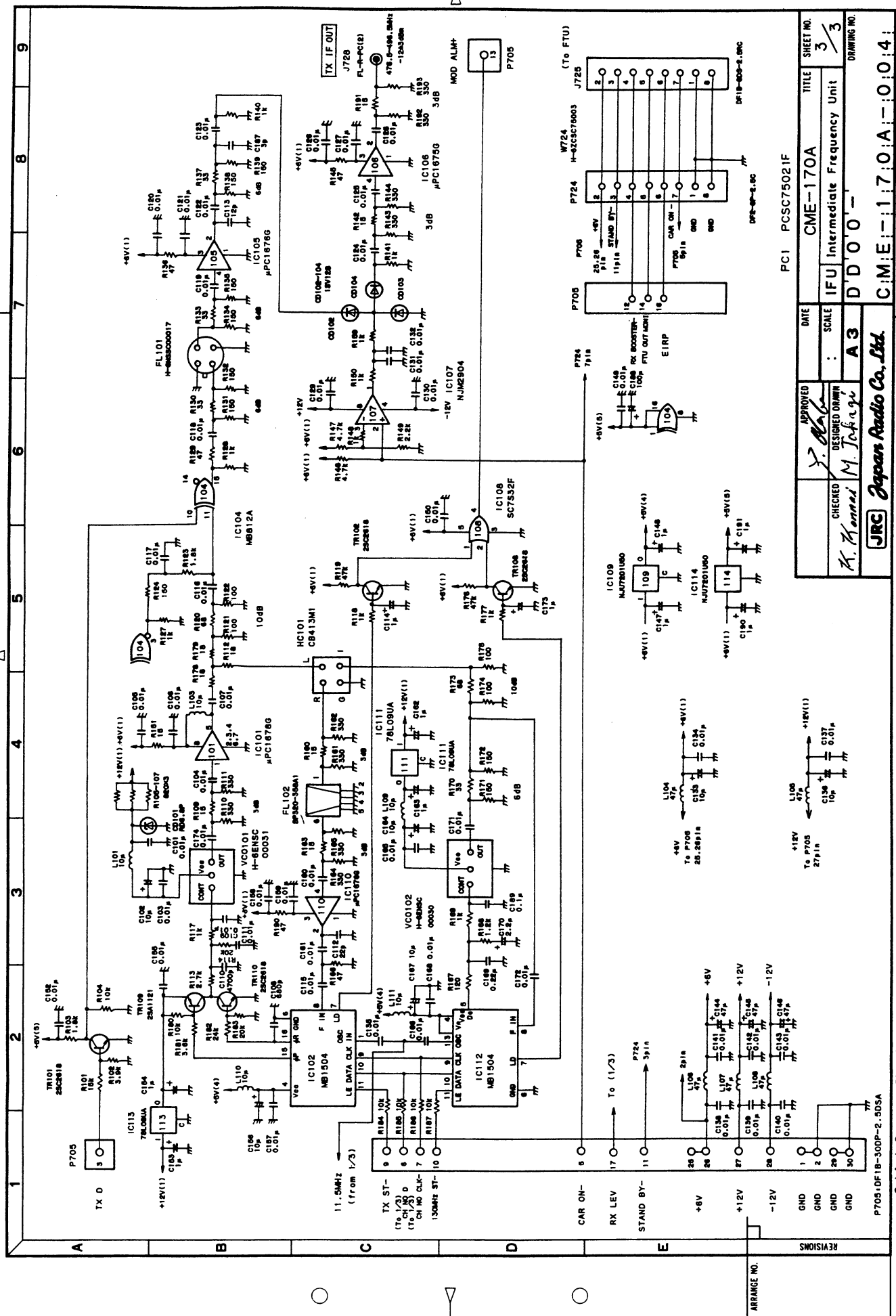
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	CMK-271B	3/3
DESIGNED/DRAWN	FTU Frequency Translation Unit	DRAWING NO.
Y. Hara	DD00 -	CMK - 271 B
CHECKED	JRC Japan Radio Co. Ltd.	
Y. Hara		

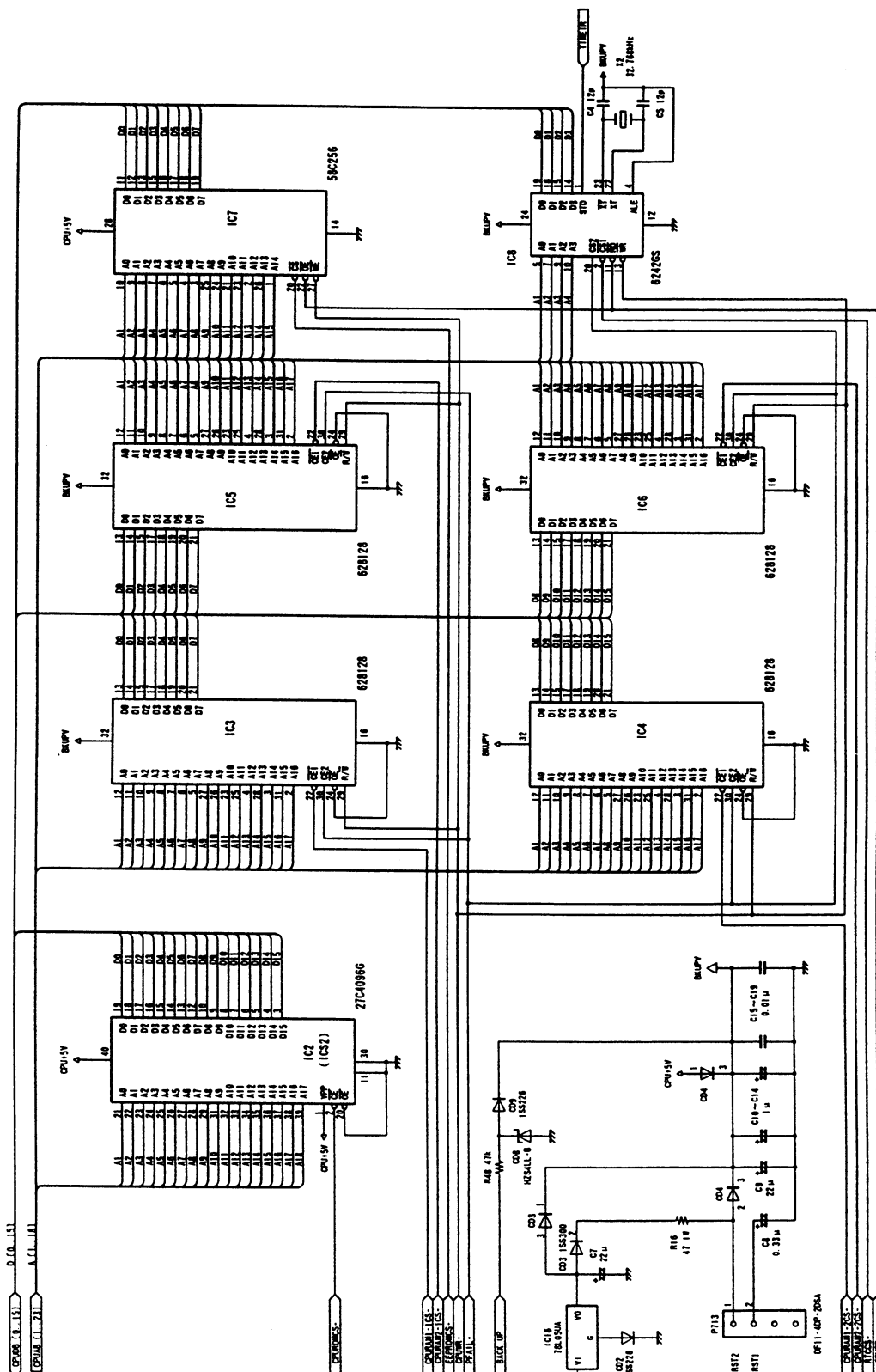


PC1 PCSC75021F

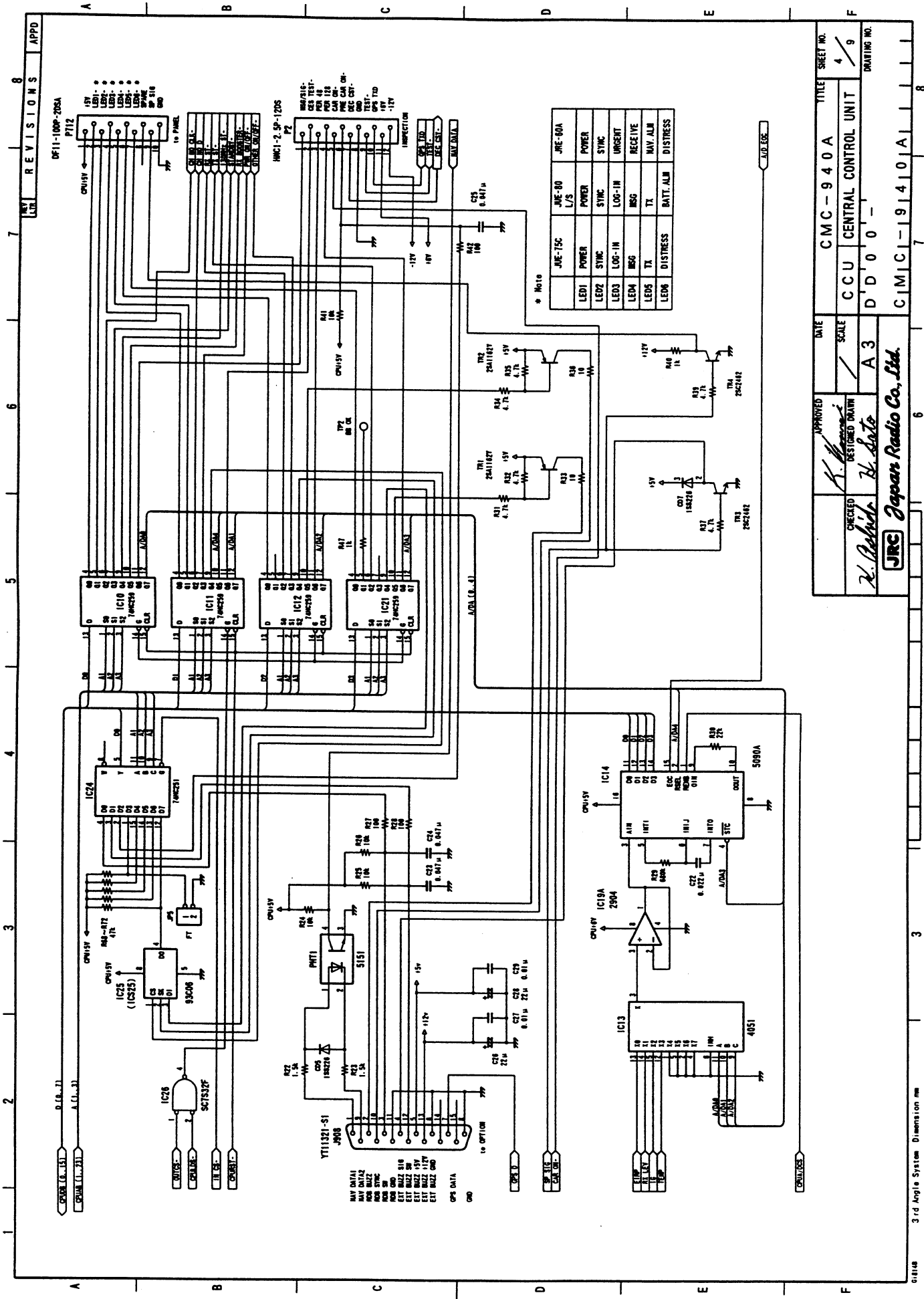
APPROVED	DATE	TITLE	SHEET NO.
<i>[Signature]</i>		CME-170A	2/3
CHECKED	DESIGNED	Frequency Unit	DRAWING NO.
<i>[Signature]</i>	<i>[Signature]</i>	DD00-	CME-170A-004
JRC Japan Radio Co. Ltd.			

3rd Angle System Dimension mm



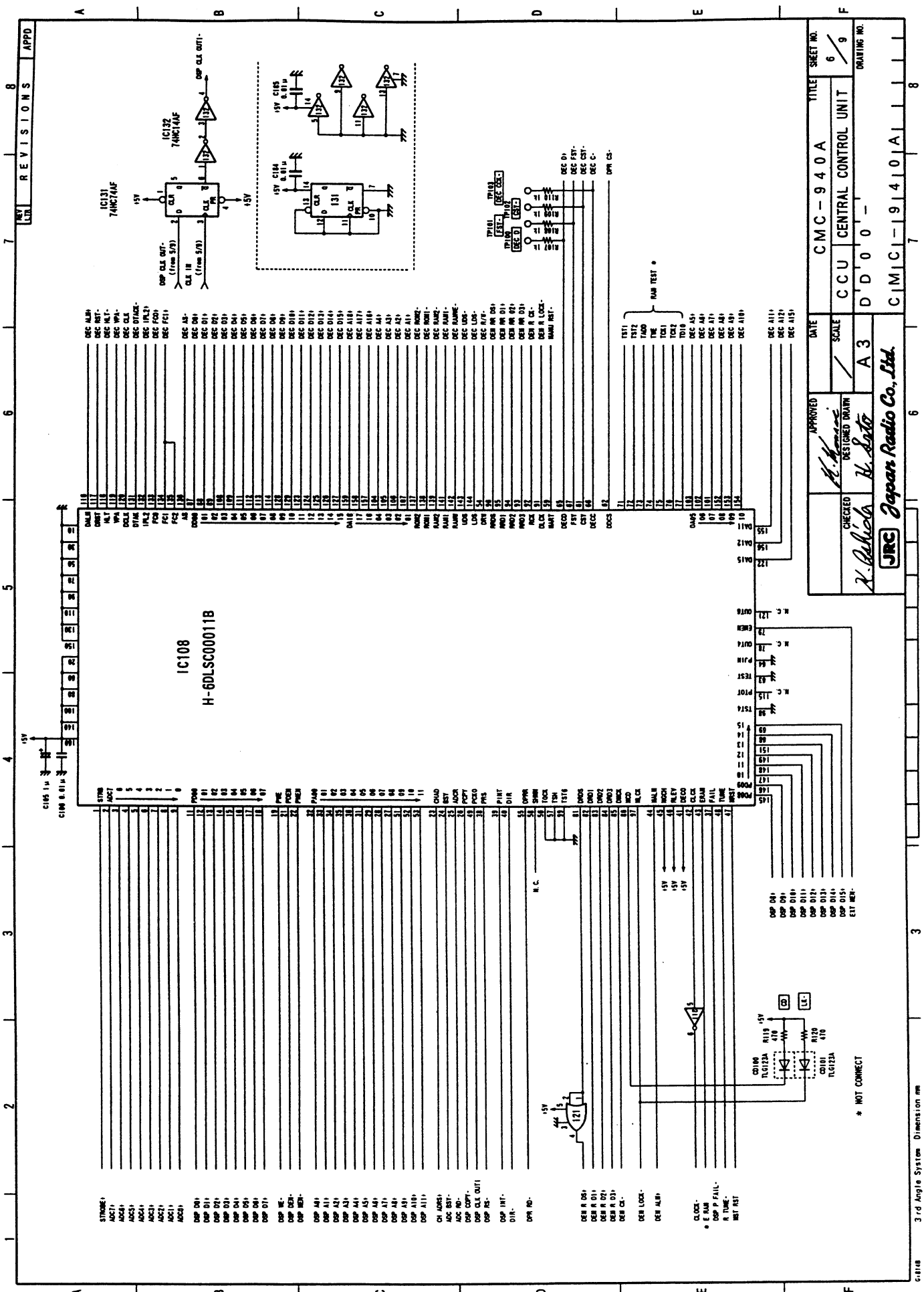


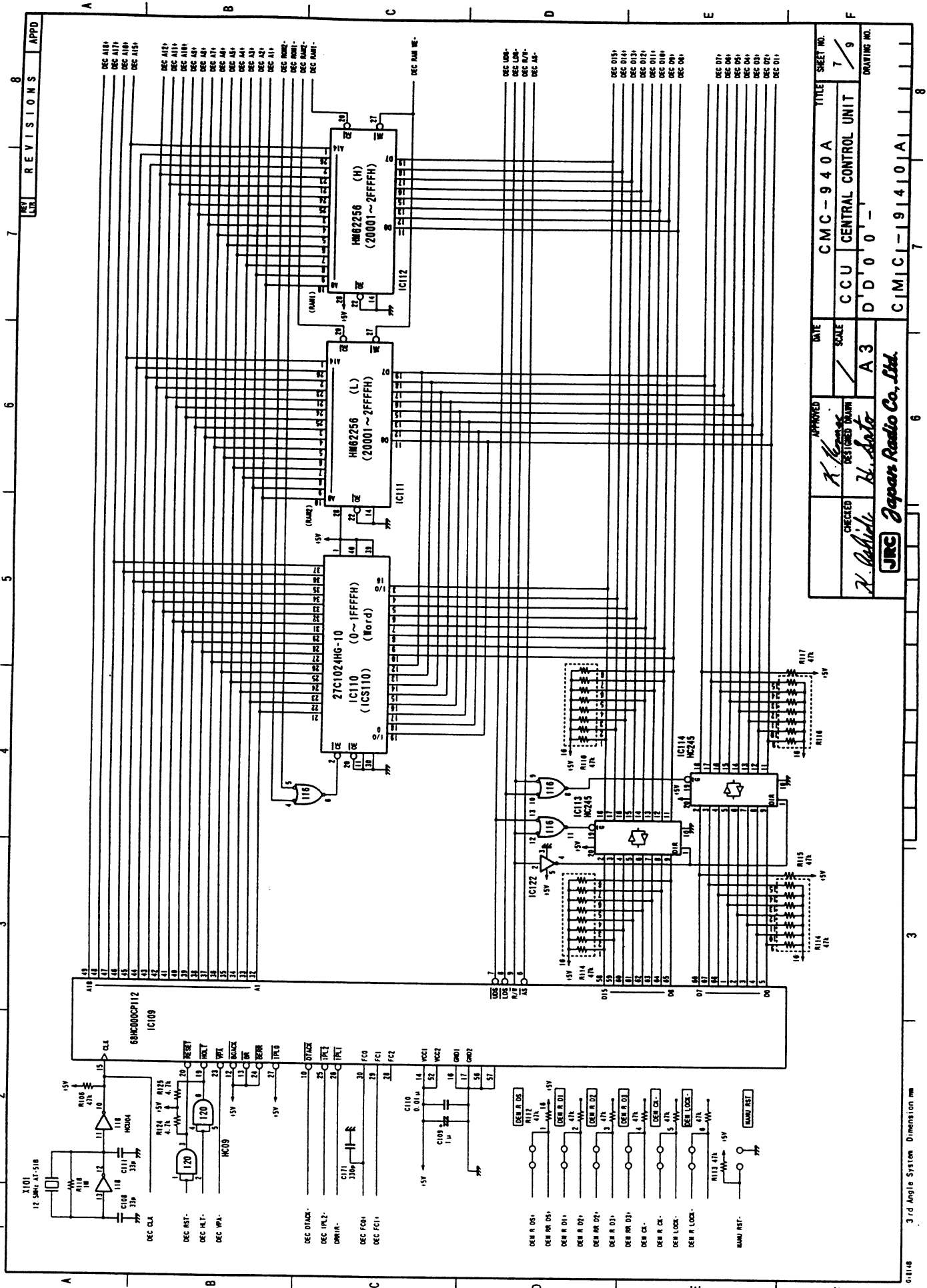
JRC	Japan Radio Co., Ltd.	A 3	DATE	CMC - 9 4 0 A	TITLE	SHEET NO.
					C C U CENTRAL CONTROL UNIT	3 / 9
		A 3		D D 0 0 --	DRAWING NO.	
					C M C - 9 4 0 A 7 8	



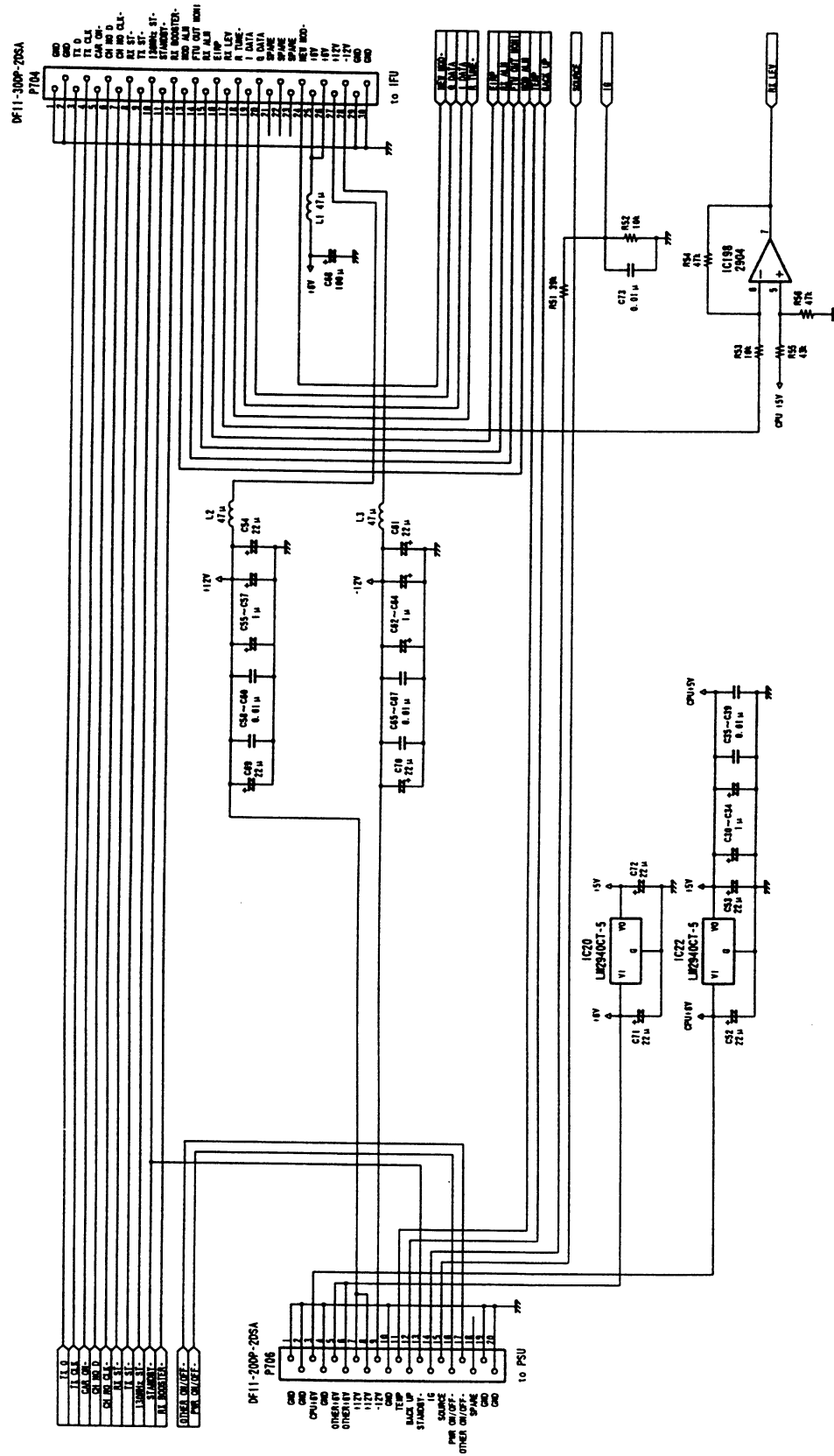
DATE		TITLE		SHEET NO.	
A 3		CMC-940A		4/9	
CHECKED		CENTRAL CONTROL UNIT		DRAWING NO.	
K. Akiba		D 0 0 0		CMC-940A	
APPROVED		JRC Japan Radio Co., Ltd.		6	
DESIGNED		K. Sato		3	



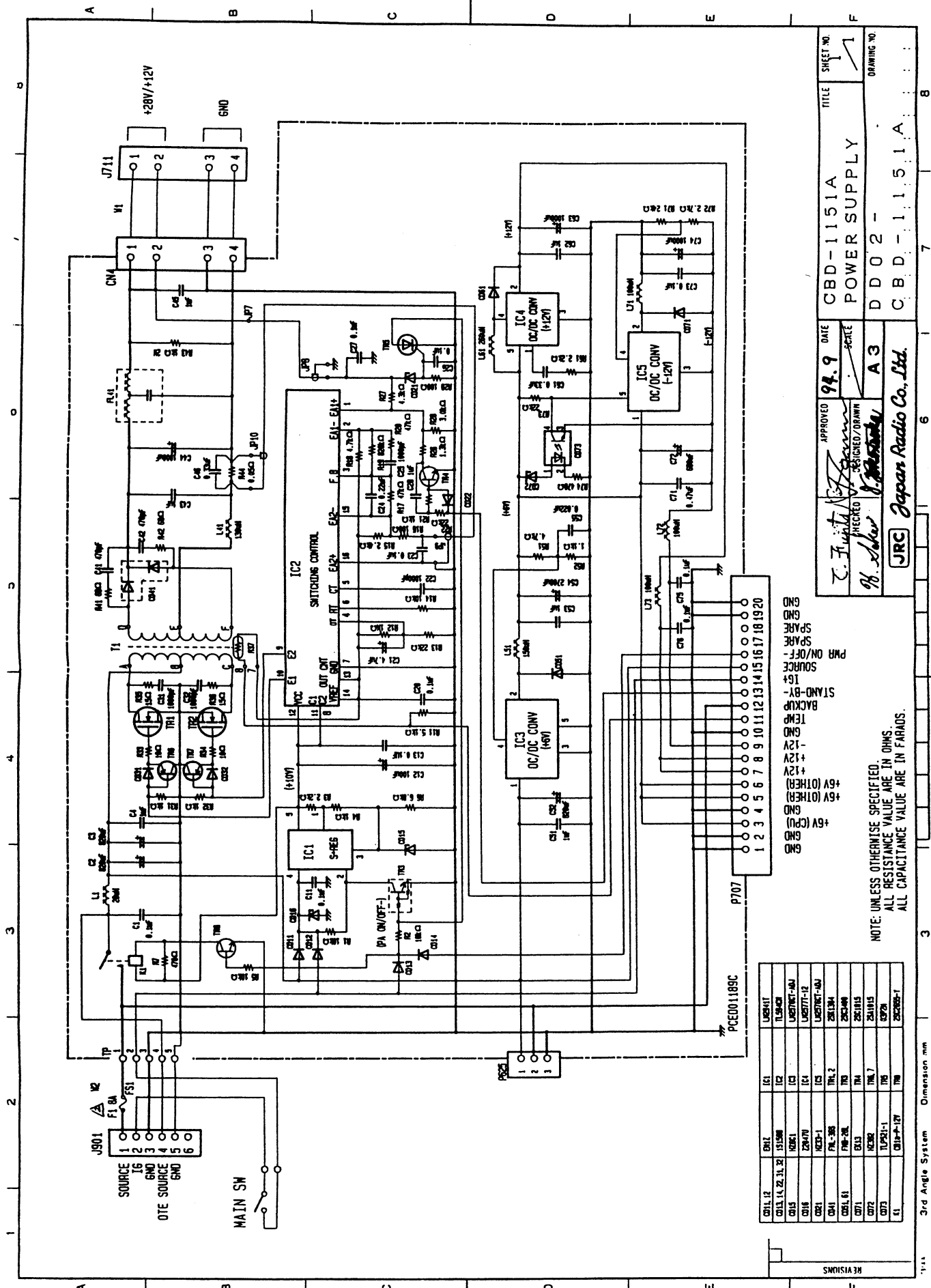




REVISED		REVISIONS		APPD	
DATE		SCALE		TITLE	
APPROVED		SHEET NO.		CMC-940A	
DESIGNED		CENTRAL CONTROL UNIT		7/9	
CHECKED		D 0 0 0		DRAWING NO.	
H. Sato		C M I C I - 9 4 0 A		8	
JIRC Japan Radio Co., Ltd.					



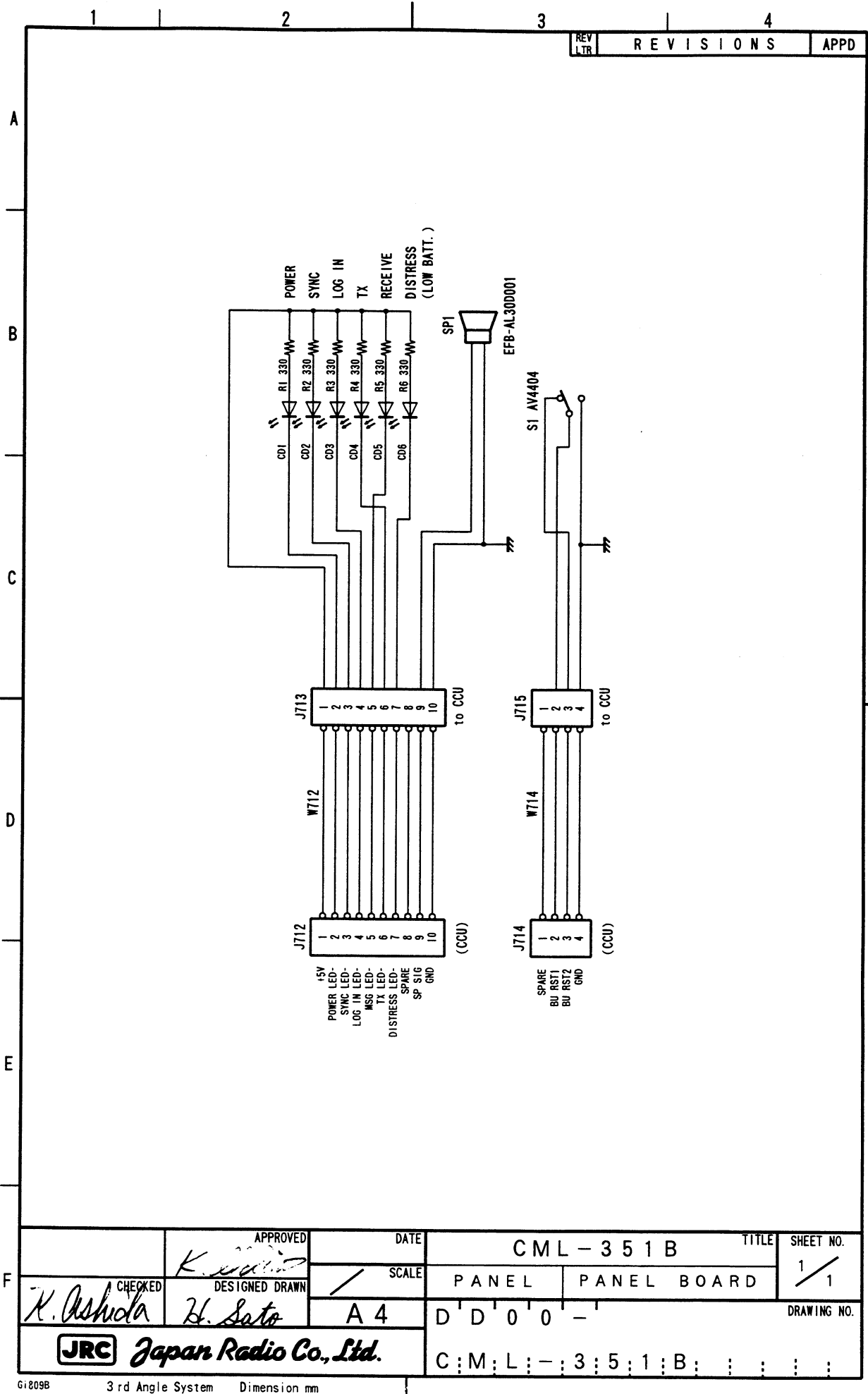
JRC Japan Radio Co., Ltd. 6 7 8		A 3 DESIGNED DRAWN H. Sato H. Sato		DATE SCALE CMC-940A 9 / 9		CCU D D O O - CENTRAL CONTROL UNIT DRAWING NO.	
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NOTE: UNLESS OTHERWISE SPECIFIED,
ALL RESISTANCE VALUE ARE IN OHMS.
ALL CAPACITANCE VALUE ARE IN FARADS.

REVISIONS	DATE	BY	CHKD	APPD	DESCRIPTION
1	94.9	Y. KAWA	Y. KAWA	Y. KAWA	POWER SUPPLY
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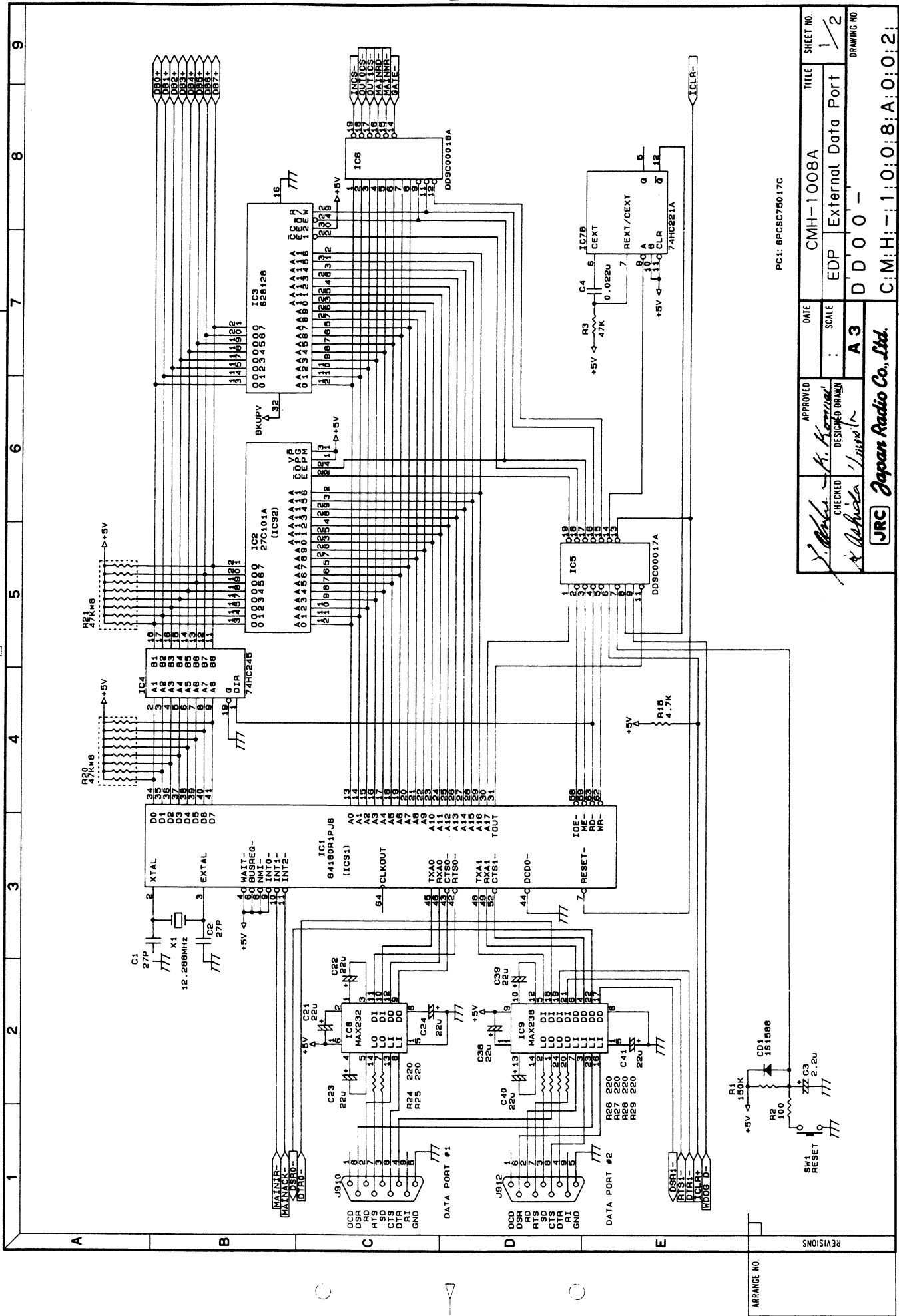
APPROVED 94.9 DATE 94.9
DESIGNED/DRAWN Y. KAWA
CHECKED Y. KAWA
SHEET NO. 1
DRAWING NO. 1151A
TITLE POWER SUPPLY
C B D - 1 1 5 1 A
JRC Japan Radio Co., Ltd.



		APPROVED	DATE	CML - 3 5 1 B		TITLE	SHEET NO.
		<i>K. Ashida</i>					<i>1 / 1</i>
F	CHECKED	DESIGNED DRAWN	SCALE	PANEL	PANEL BOARD		
	<i>K. Ashida</i>	<i>H. Sato</i>	<i>/</i> A 4				
				D ' D ' 0 ' 0 ' - '		DRAWING NO.	
JRC <i>Japan Radio Co., Ltd.</i>				C : M : L : - : 3 : 5 : 1 : B : : : :			

G1209B 2nd Angle View Dimensions

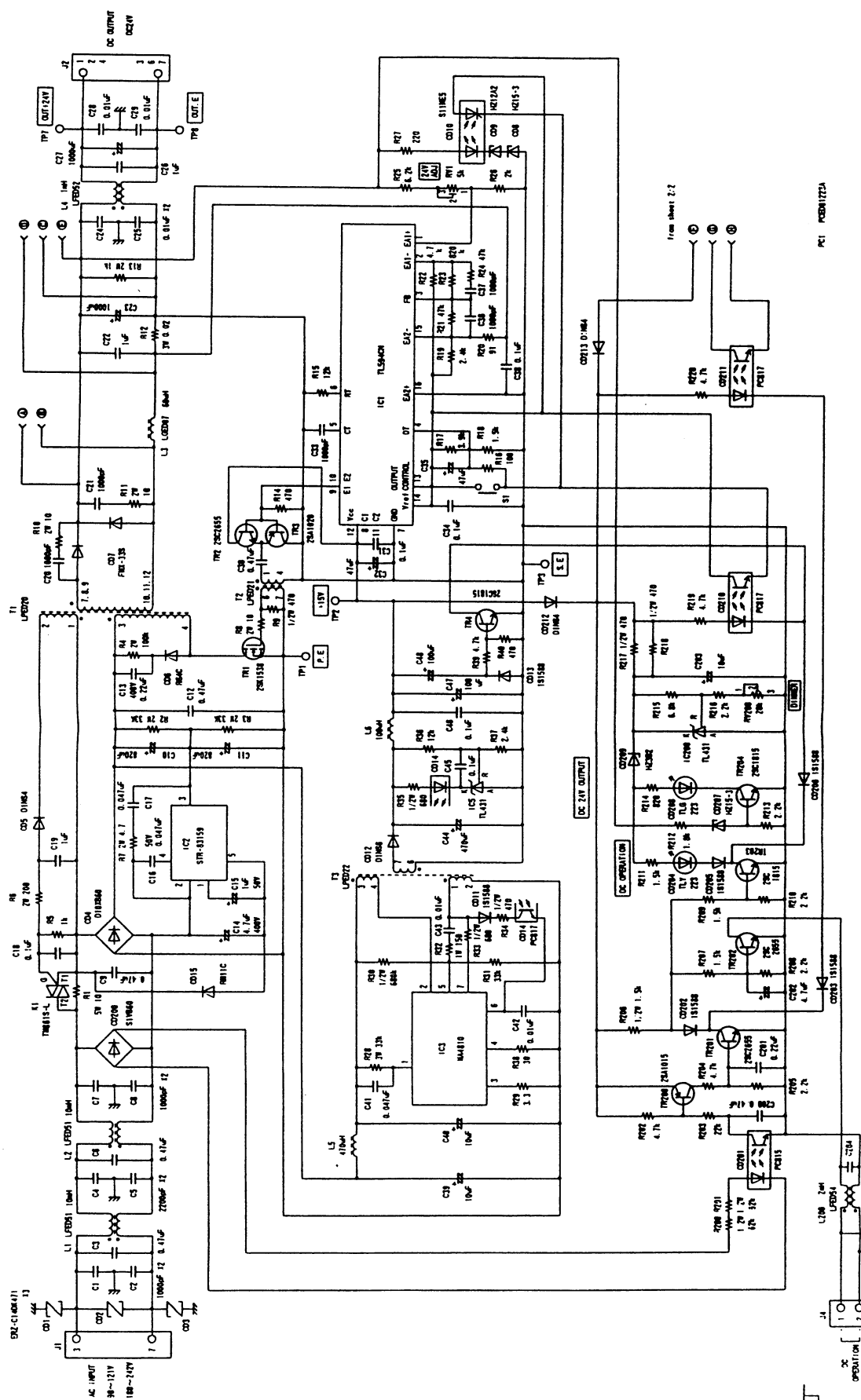
G1809B 3rd Angle System Dimension mm



PC1: 6PCSC75017C

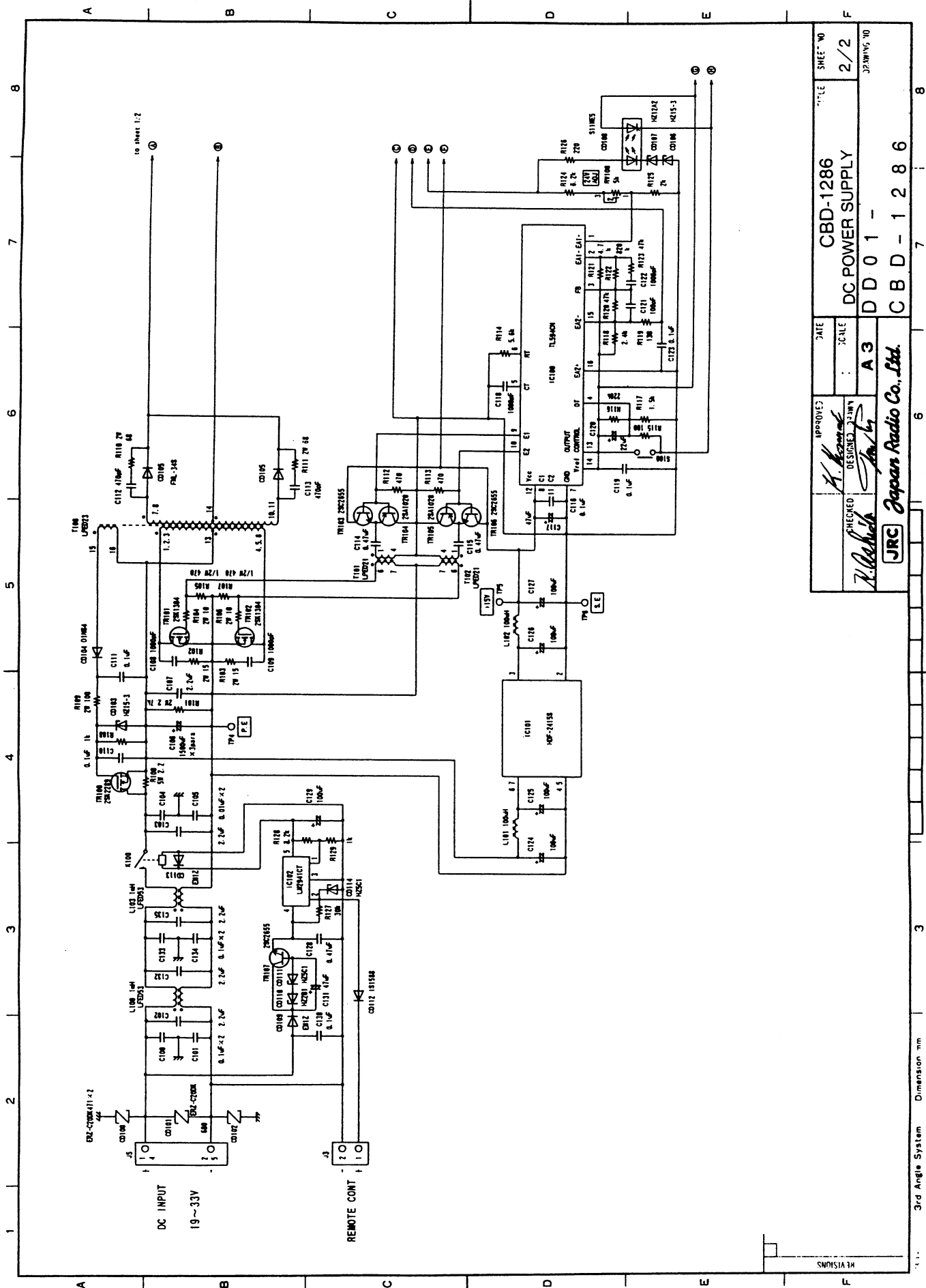
APPROVED	DATE	TITLE	SHEET NO
<i>[Signature]</i>		CMH-1008A	1/2
CHECKED	SCALE	EDP	External Data Port
<i>[Signature]</i>	A3	DDO0-	
JRC Japan Radio Co., Ltd.		DRAWING NO	
		C:M:H:1:0:0:8:A:0:0:2:	

From sheet 2.2

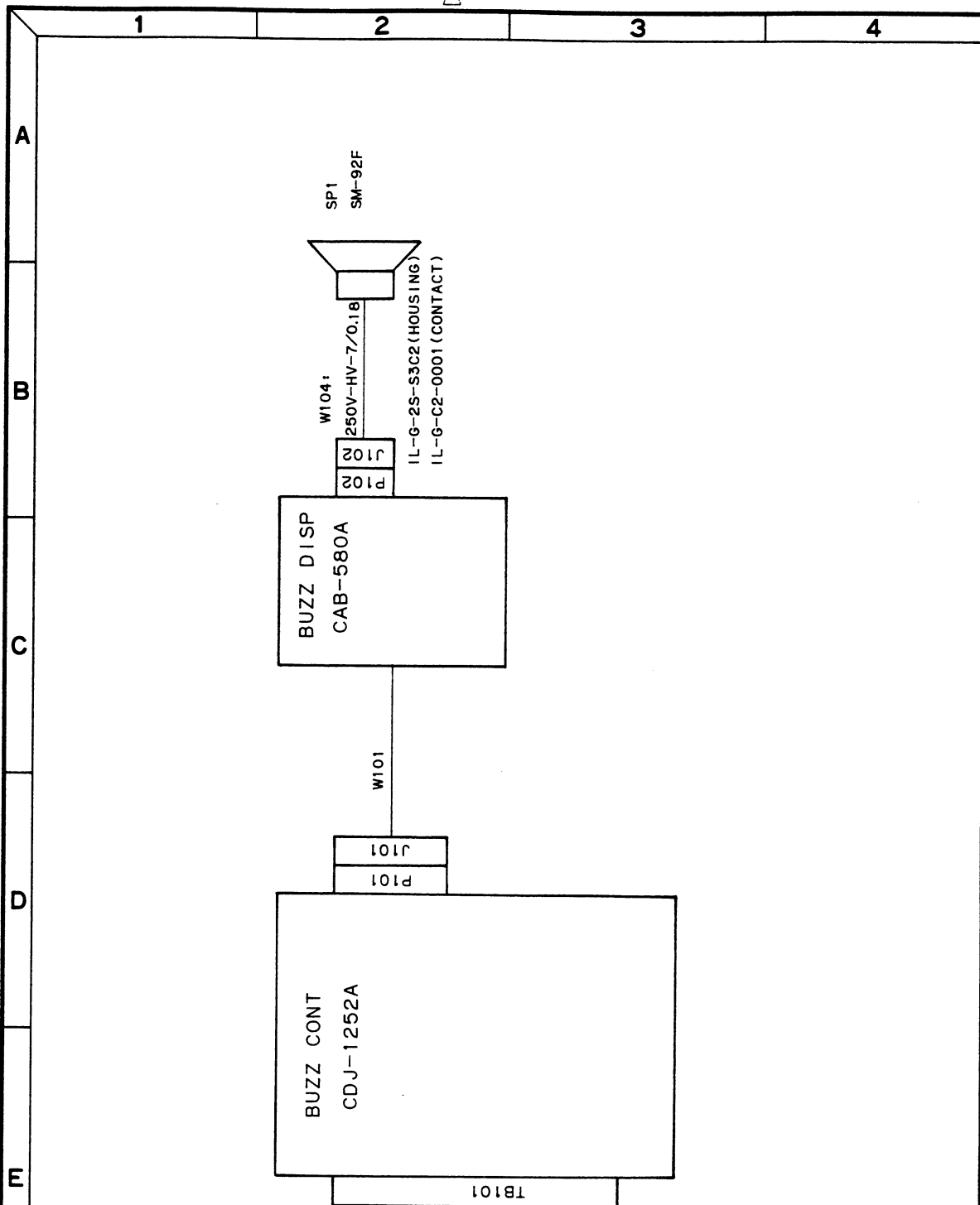


REVISIONS		DATE		APPROVED		DESIGNED		DRAWING NO	
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6		7		8		9		10	
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16		17		18		19		20	
21		22		23		24		25	
26		27		28		29		30	
31		32		33		34		35	
36		37		38		39		40	
41		42		43		44		45	
46		47		48		49		50	
51		52		53		54		55	
56		57		58		59		60	
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91		92		93		94		95	
96		97		98		99		100	

TITLE		SHEET NO.	
CBD-1286		1/2	
DC POWER SUPPLY		DRAWING NO	
D D 0 1 -		C B D - 1 2 8 6	
JRC Japan Radio Co. Ltd.		PC1 PCB01122A	



		APPROVED:	DATE	TITLE		SHEET NO
		<i>H. Kawanishi</i>		CBD-1286		
CHECKED	DESIGNED	SCALE		DC POWER SUPPLY		
<i>H. Kawanishi</i>	<i>Y. Kawanishi</i>			2 / 2		
		A 3		DRAWING NO		
				D D 0 1 -		
				C B D - 1 2 8 6		
JRC		Japan Radio Co., Ltd.				
		7				
		8				



ARRANGE NO.

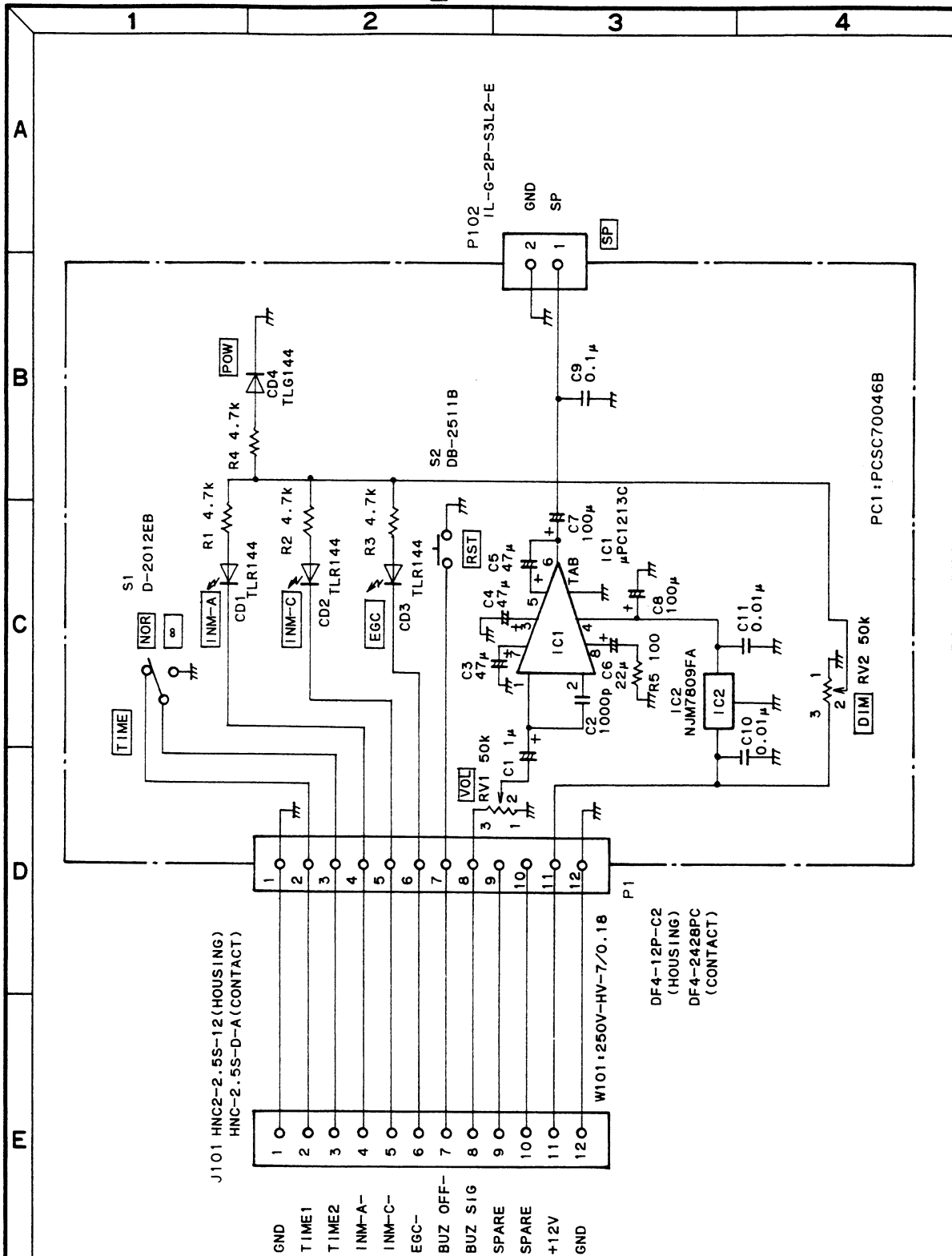
REVISIONS

APPROVED		DATE	NCE-4772A		TITLE	SHEET NO.
CHECKED	DESIGNED-DRAWN	SCALE	EXT. BUZZ	EXTERNAL BUZZER		1/1
A 4			D D O O -		DRAWING NO.	
JRC Japan Radio Co., Ltd.			N C E - 4 7 7 2 A 0 0 1			

G1 813

3rd Angle System

Dimension mm



ARRANGE NO.

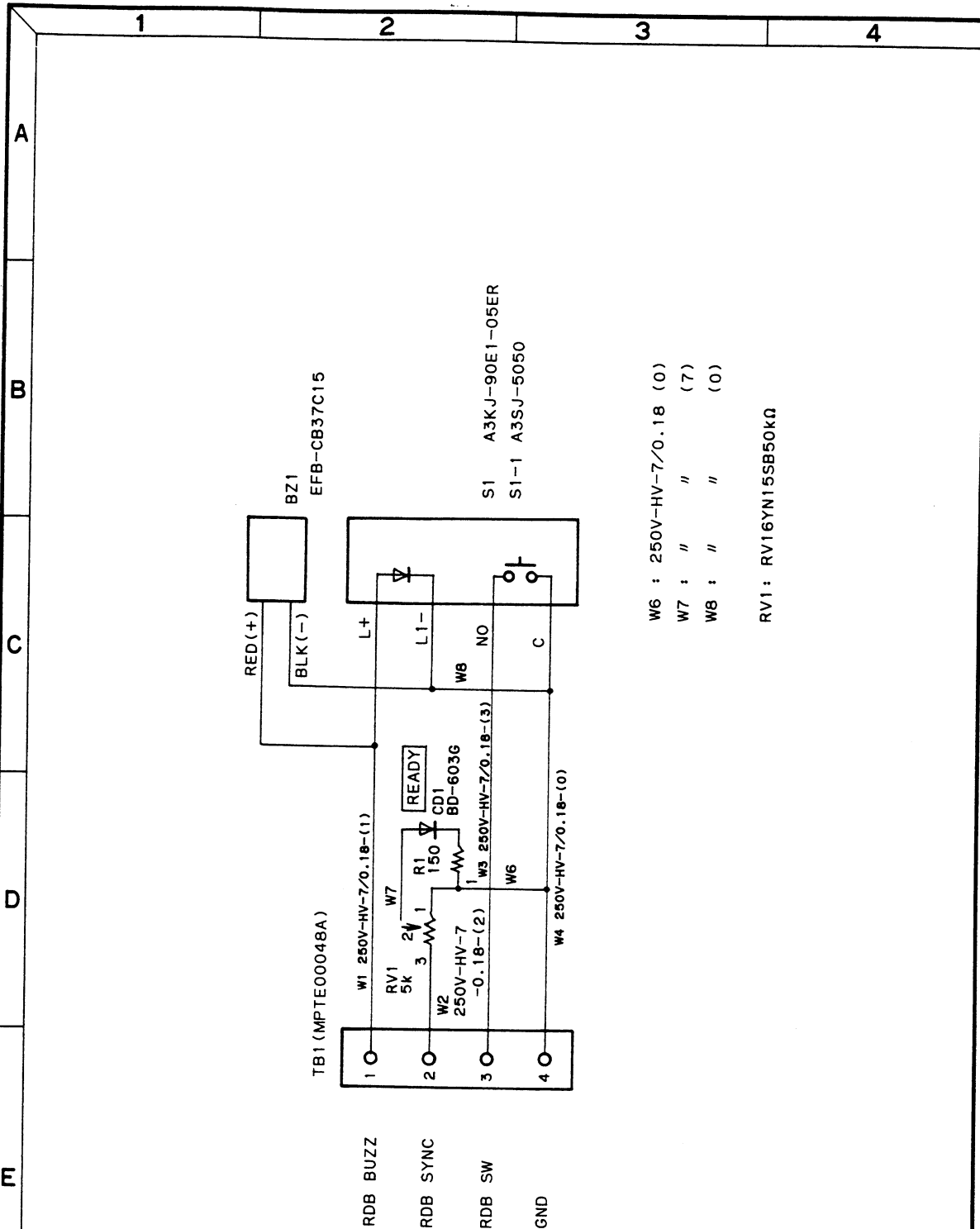
REVISIONS

APPROVED		DATE	CAB-580A		TITLE	SHEET NO.
CHECKED	DESIGNED DRAWN	SCALE	BUZZ DISP	BUZZER DISPLAY		1/1
A 4			D D 0 0 -		DRAWING NO.	
JRC Japan Radio Co., Ltd.			C A B - 5 8 0 A 0 0 1			

GI 813

3rd Angle System

Dimension mm



ARRANGE NO.

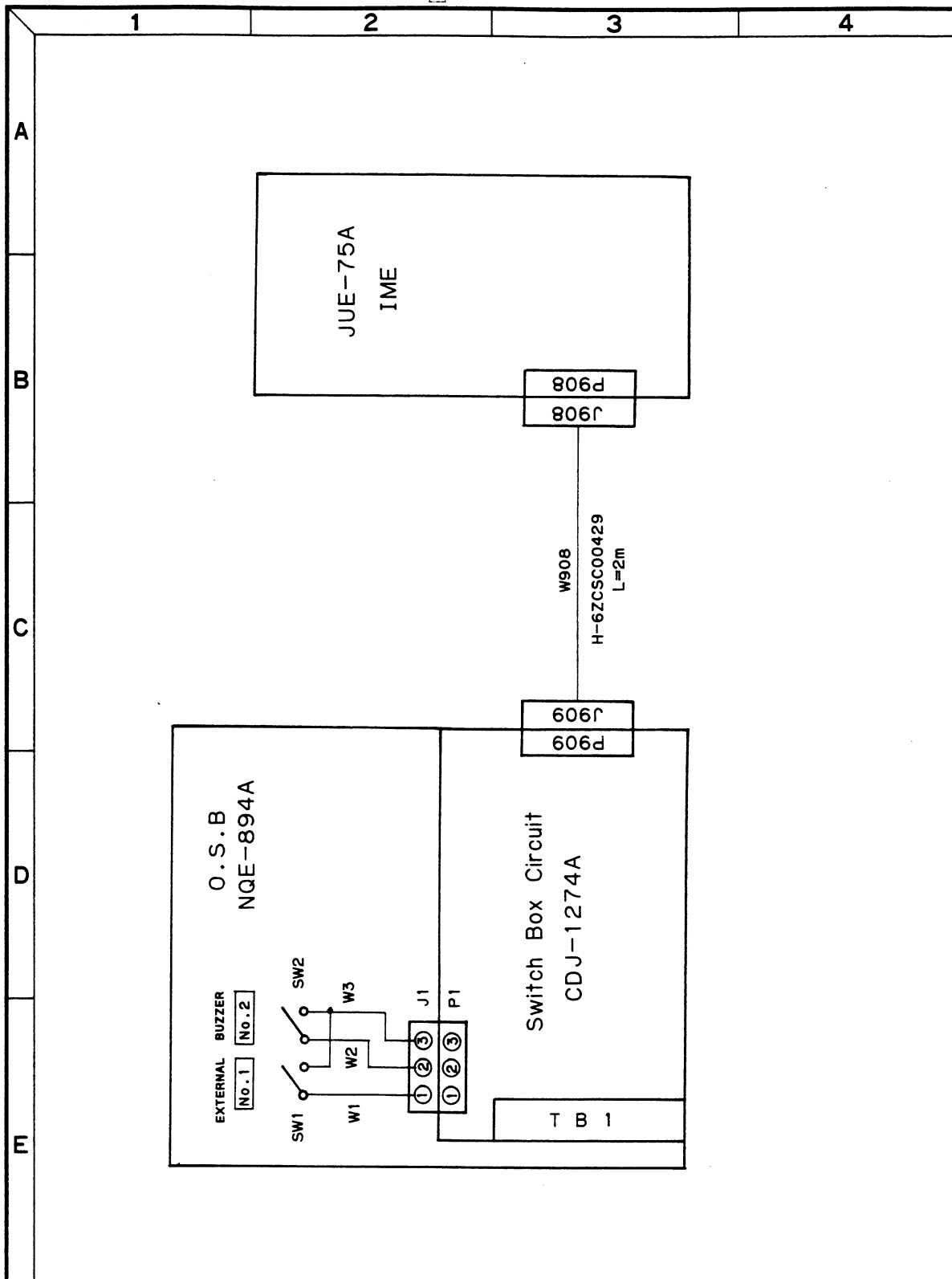
REVISIONS

	APPROVED <i>[Signature]</i>	DATE	NQE-887A	TITLE	SHEET NO.
CHECKED <i>[Signature]</i>	DESIGNED DRAWN <i>[Signature]</i>	: SCALE	RDB	Remote Distress Button	1/1
A 4			D D O O -		
JRC Japan Radio Co., Ltd.			DRAWING NO.		
NQE-887A001					

G1 813

3rd Angle System

Dimension mm

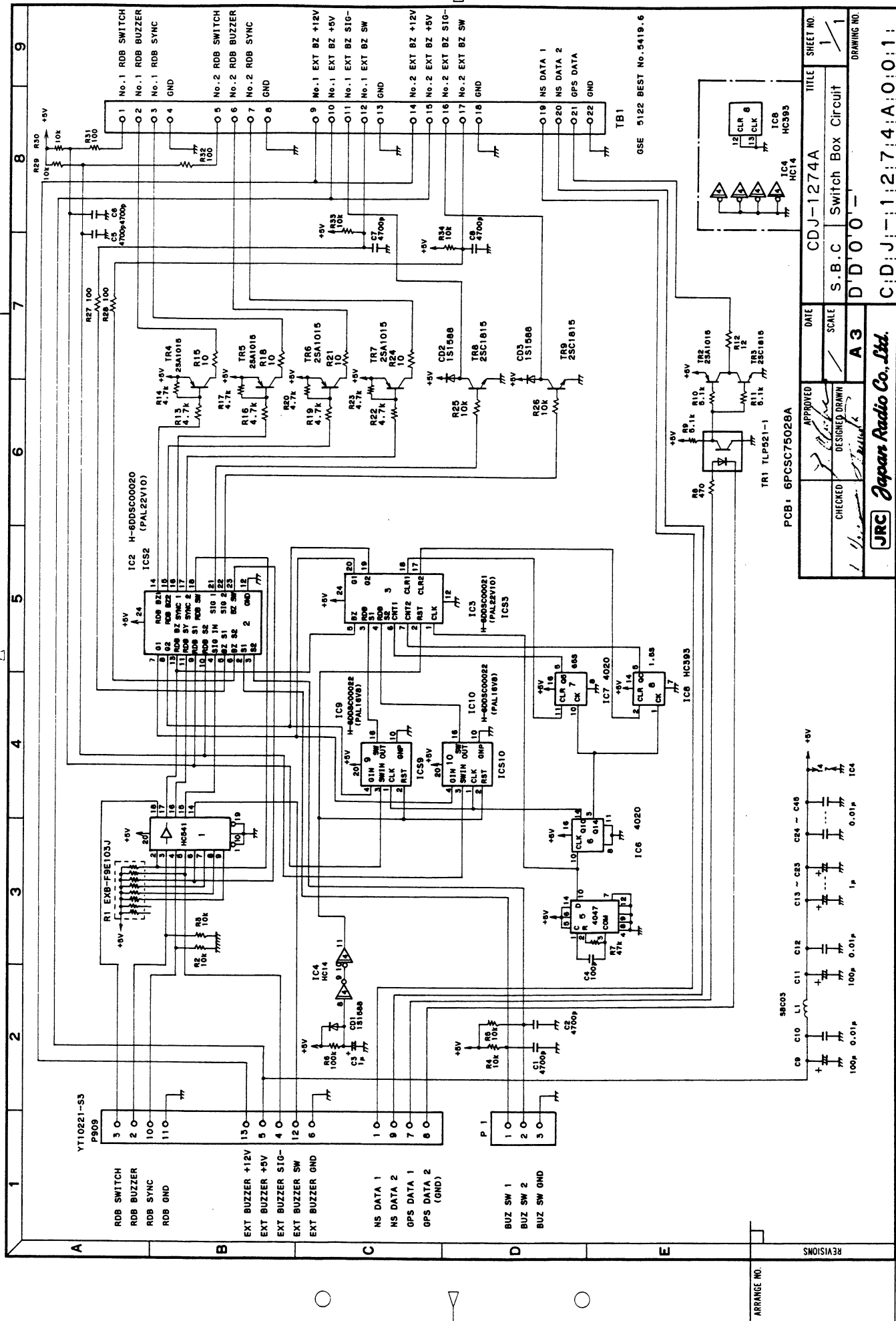


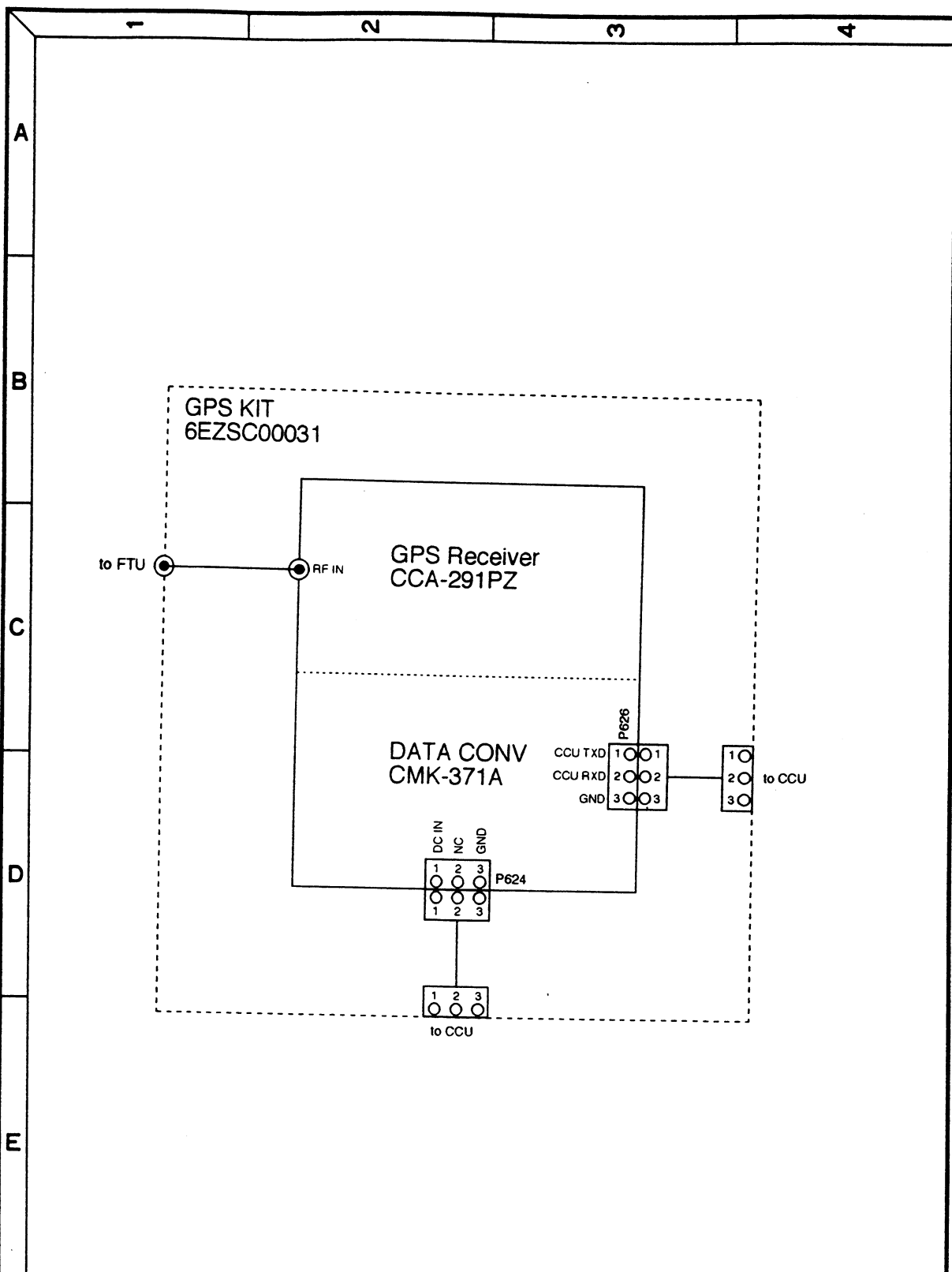
ARRANGE NO. 	REVISIONS		APPROVED	DATE	NQE-849A		TITLE	SHEET NO.
			CHECKED	DESIGNED DRAWN	SCALE	O.S.B	Option Switch Box	1/1
			A 4			D D 0 0 -		
	DRAWING NO.			N Q E - 8 4 9 A 0 0 1				
Japan Radio Co., Ltd.								

G: 813

3rd Angle System

Dimension mm





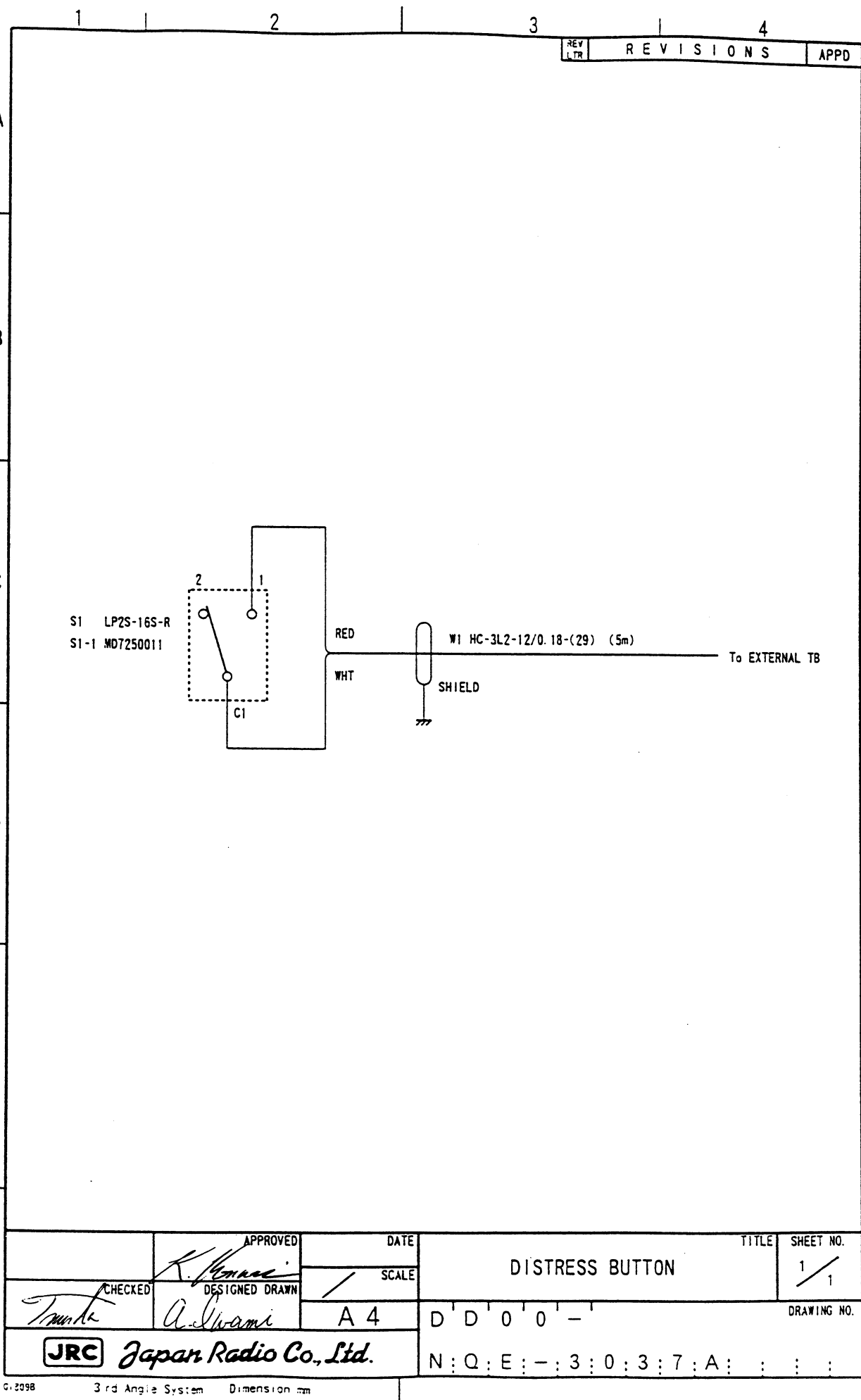
ARRANGE NO.	REVISIONS	APPROVED	DATE	GPS KIT	TITLE	SHEET NO. 1/1	
		CHECKED	DESIGNED DRAWN				SCALE
		A 4					
		D D 0 0 -					DRAWING NO.
JRC Japan Radio Co., Ltd.		6 E Z S C 0 0 0 3 1					

G0 813

3rd Angle System

Dimension mm

51 3



APPROVED <i>K. Hamae</i>		DATE	TITLE DISTRESS BUTTON	SHEET NO. 1 / 1
DESIGNED DRAWN <i>A. Iwami</i>		SCALE A 4		
CHECKED <i>T. Mura</i>	DRAWING NO.		D'D'0'0'-	
JRC Japan Radio Co., Ltd.		N:Q:E:-:3:0:3:7:A: : : :		

G-2098 3rd Angle System Dimension mm

A

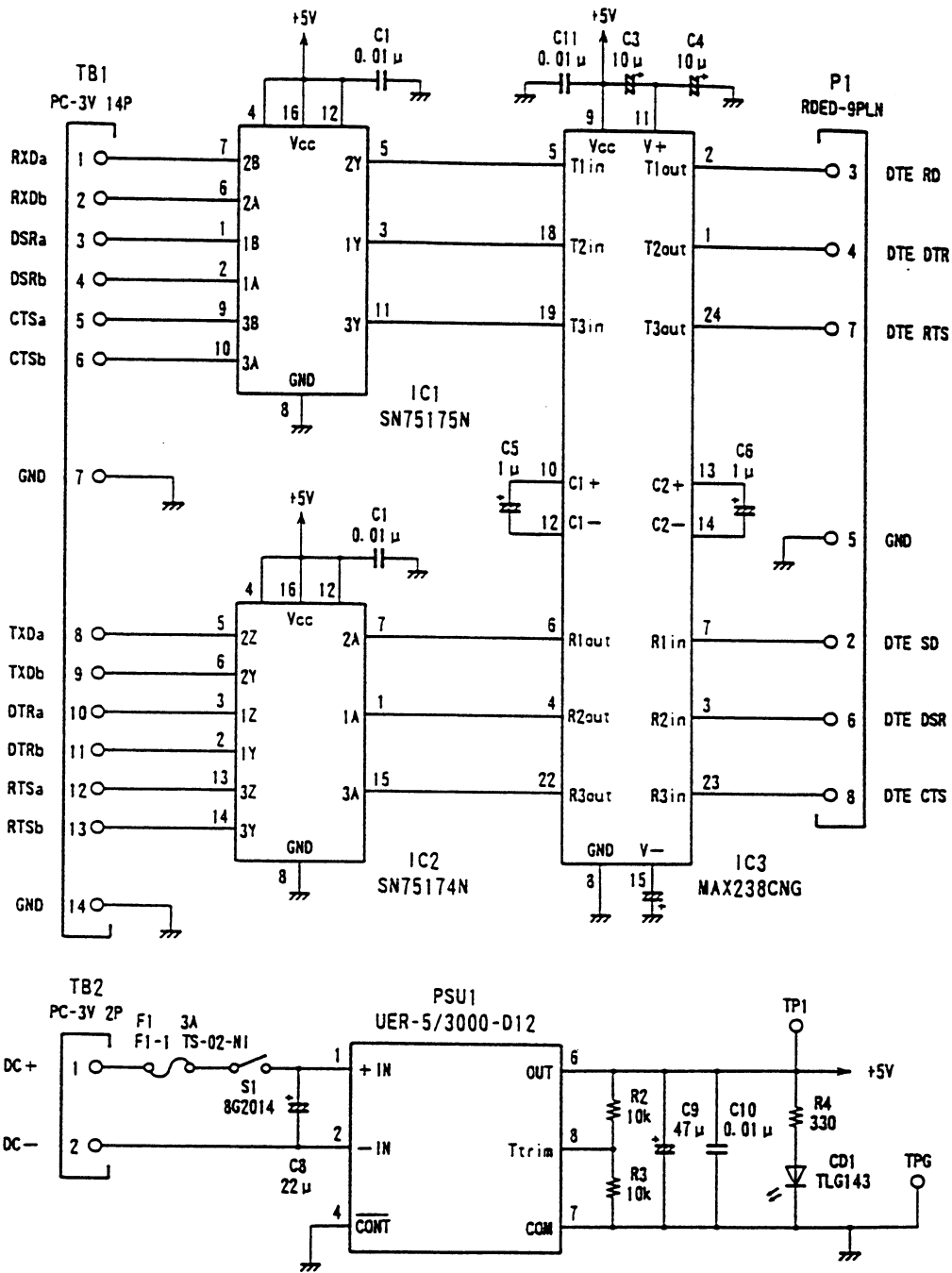
B

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CQA-173

H-7EZSC0012(1016468)

	APPROVED <i>K. Horie</i>	DATE	TITLE RS-232D/422A Interface	SHEET NO. 1 / 1
CHECKED <i>M. H.</i>	DESIGNED DRAWN <i>A. Swami</i>	SCALE A 4		
JRC Japan Radio Co., Ltd.			DRAWING NO. D'D'0'0'- N:Q:A:-:1:6:8:9:A::::	

2-2098

3rd Angle System Dimension mm

5. Parts List

PARTS LIST

		TITLE		SHEET NO.
		RF MODULE	NAF-86B	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
A1	DJPLEXER	CFL-285D		CFL-285D
A2	PA	CAH-391C		CAH-391B
A3	LNA	CAG-36A		CAG-36A

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JRC

PARTS LIST

		TITLE			SHEET NO. 1
		RFM RACK		CWB-916A	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C806	CAP,FXD CER	TF240-601SS332Z50	50V 3300PF	5CAAA01814	
J903	CONNECTOR	H-6JASC00017B		6JASC00017	
P1N806	CONNECTOR	DF3-2428SC		5JDAA00933	
P805	CONNECTOR	DF3-6S-2C		5JDAA00935	
P806	CONNECTOR	DF3-6S-2C		5JDAA00935	
W806	HARNESS	H-6ZCSC75013A		6ZCSC75013	
W806-1	TEPHRON CABLE	FEP-AWG24-19/0.125-(2)		2274000215	
W806-2	TEPHRON CABLE	FEP-AWG24-19/0.125-(2)		2274000215	
W806-3	TEPHRON CABLE	FEP-AWG24-19/0.125-(2)		2274000215	

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PARTS LIST

		TITLE		SHEET NO.
		DIPLEXER	CFL-285D	1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
CV1	TUNING SCREW	JMC6926-0		5AZAD00003
CV2	TUNING SCREW	JMC6926-0		5AZAD00003
CV3	TUNING SCREW	JMC6926-0		5AZAD00003
CV4	TUNING SCREW	JMC6926-0		5AZAD00003
5 CV5	TUNING SCREW	JMC6926-0		5AZAD00003
CV6	TUNING SCREW	JMC6926-0		5AZAD00003
CV7	TUNING SCREW	JMC6926-0		5AZAD00003
CV8	TUNING SCREW	JMC6926-0		5AZAD00003
CV9	TUNING SCREW	JMC6926-0		5AZAD00003
10 CV10	TUNING SCREW	JMC6926-0		5AZAD00003
CV11	TUNING SCREW	JMC6926-0		5AZAD00003
CV12	TUNING SCREW	JMC6926-0		5AZAD00003
CV13	TUNING SCREW	JMC6926-0		5AZAD00003
CV14	TUNING SCREW	JMC6926-0		5AZAD00003
15 CV15	チユ-ニツク"ロ-タ	L6997-1		5CZAK00004
CV16	チユ-ニツク"ロ-タ	L6997-1		5CZAK00004
CV17	チユ-ニツク"ロ-タ	L6997-1		5CZAK00004
P800	CONNECTOR	H-6JASC00018A		6JASC00018
W800	SEMI-RIGIDCABLE	MCT-219T		2681310001
20 W801	SEMI-RIGIDCABLE	MCT-219T		2681310001
W802	SEMI-RIGIDCABLE	MCT-219T		2681310001

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PARTS LIST

		TITLE		SHEET NO.	
		LNA	CAG-36A	1	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
CH1	チツフゝフヒン	CAG-36ACH		CAG-36ACH	
IC100	IC	NJM7806FA		5DAAN00445	
J803	CONNECTOR	MM3325-2505		5JABT00002	
J805	CONNECTOR	DF3-6P-2DSA		5JDAA00938	
L5	COIL	H-6LASC00044A		6LASC00044	
L100	COIL	H-6LASC00038A		6LASC00038	
RV2	RESISTOR VAR	GF06X-2K OHM	2K OHM	5RMAB00106	
RV50	RESISTOR VAR	GF06X-500K OHM	500K OHM	5RMAB00112	

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PARTS LIST

		TITLE			SHEET NO.
		LNA		CAG-36ACH	1
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
C1	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C2	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C4	CAP,FXD CER	C2012C0G1H050C-E-TP		5PF 50V	5CAAD00956
C5	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
5 C6	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C7	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C8	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C9	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C10	CAP,FXD CER	C2012C0G1H050C-E-TP		5PF 50V	5CAAD00956
10 C11	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C12	CAP,FXD CER	C2012C0G1H050C-E-TP		5PF 50V	5CAAD00956
C13	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C14	CAP,FXD ELCTLT	ECEV1HG100GP		50V 10UF	5CEAA03901
C15	CAP,FXD ELCTLT	ECEV1HG100GP		50V 10UF	5CEAA03901
15 C16	CAP,FXD ELCTLT	ECEV1HG100GP		50V 10UF	5CEAA03901
C31	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C32	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C33	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C34	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
20 C35	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C36	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C37	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C38	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C39	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
25 C40	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C41	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C50	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C51	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C52	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
30 C53	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C54	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C55	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C56	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C57	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
35 C58	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840

PARTS LIST

		TITLE				SHEET NO.
		LNA		CAG-36ACH		2
PART NO	PART NAME	TYPE	DESCRIPTION		CODE	
C59	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V		5CAAD00840	
C64	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V		5CAAD00840	
C100	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V		5CAAD00840	
C101	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V		5CAAD00838	
5 C102	CAP,FXD CER	C3216X7R1H104K-E-TP	50V 0.1UF		5CAAD01353	
C103	CAP,FXD CER	C3216X7R1H104K-E-TP	50V 0.1UF		5CAAD01353	
C104	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V		5CAAD00840	
C105	CAP,FXD CER	C2012C0G1H050C-E-TP	5PF 50V		5CAAD00956	
C106	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V		5CAAD00840	
10 C107	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V		5CAAD00840	
C108	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V		5CAAD00840	
CD1	DIODE	HSM-88AS-TL			5TXAE00739	
CD2	DIODE	RD3.9M-T1A			5TXAA00689	
FL50	FILTER	H-6AFSC00028A			6AFSC00028	
15 FL100	FILTER	H-6AFSC00019A			6AFSC00019	
IC1	IC	NJU7660M			5DAAN00410	
IC50	IC	UPC1678G-E1			5DDAC00946	
L1	COIL	NL322522T-033J	33NH,450MA		5LCAC01119	
L2	COIL	NL322522T-047K	47NH		5LCAC00908	
20 L3	COIL	NL322522T-047K	47NH		5LCAC00908	
L4	COIL	NL322522T-056K			5LCAC01045	
L31	COIL	NL322522T-056K			5LCAC01045	
L33	COIL	NL322522T-056K			5LCAC01045	
L50	COIL	NL322522T-047K	47NH		5LCAC00908	
25 PC1	PCB	H-6PCSC75008N			6PCSC75008	
R1	RESISTOR FXD	ERJ-6GEYJ101V	1/10W 100 OHM		5REAG01854	
R2	RESISTOR FXD	ERJ-6GEYJ101V	1/10W 100 OHM		5REAG01854	
R3	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
R4	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W		5REAG01903	
30 R5	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
R6	RESISTOR FXD	ERJ-6GEYJ222V	1/10W 2.2K OHM		5REAG02011	
R7	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
R8	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
R9	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W		5REAG01903	
35 R30	RESISTOR FXD	ERJ-6GEYJ471V	470 OHM ,1/10W		5REAG01827	

PARTS LIST

		TITLE			SHEET NO. 3
		LNA		CAG-36ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R31	RESISTOR FXD	ERJ-6GEYJ222V		1/10W 2.2K OHM	5REAG02011
R32	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R33	RESISTOR FXD	ERJ-6GEYJ222V		1/10W 2.2K OHM	5REAG02011
R34	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
5 R35	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R36	RESISTOR FXD	ERJ-6GEYJ220V		22 OHM 1/10W	5REAG01901
R37	RESISTOR FXD	ERJ-6GEYJ470V		47 OHM 1/10W	5REAG02014
R50	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R51	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
10 R52	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R53	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
R54	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R55	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R56	RESISTOR FXD	ERJ-6GEYJ563V		56K OHM 1/10W	5REAG02274
15 R57	RESISTOR FXD	ERJ-6GEYJ121V		120 OHM 1/10W	5REAG02012
R58	RESISTOR FXD	ERJ-6GEYJ121V		120 OHM 1/10W	5REAG02012
R59	RESISTOR FXD	ERJ-6GEYJ470V		47 OHM 1/10W	5REAG02014
R60	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R63	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
20 R64	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R65	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R66	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
R67	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R68	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
25 R69	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
R70	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R71	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R75	RESISTOR FXD	ERJ-6GEYJ390V		1/10W 39 OHM	5REAG02021
R100	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
30 R101	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R102	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
TR1	トランジスタ	NE32484A-T1			5TZAG00314
TR2	TRANSISTOR	NE76038-T1			5TZAG00261
TR3	TRANSISTOR	2SC3357-T1			5TCAB00287
35 TR4	TRANSISTOR	2SC3357-T1			5TCAB00287

PARTS LIST

		TITLE		SHEET NO. 4
		LNA	CAG-36ACH	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
TR50	TRANSISTOR	3SK165-1		5TKAH00007

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PARTS LIST

		TITLE			SHEET NO. 1
		PA	CAH-391C		
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C245	CAP,FXD ELCTLT	LXA35VB-220		5CERK00001	
C246	CAP,FXD ELCTLT	LXA35VB-470		5CERK00002	
C254	CAP,FXD TANTAL	ECSF1HE106		5CSAA00320	
C258	CAP,FXD TANTAL	ECSF1HE106		5CSAA00320	
CHIP1	PA(CHIP)	CAH-391CCH		CAH-391CCH	
CIR200	サ-キレ-タ	H-6AJSC00019A		6AJSC00019	
CIR201	サ-キレ-タ	H-6AJSC00019A		6AJSC00019	
IC242	IC	LM2576T-ADJ		5DDAW00286	
IC247	IC	SI3240C-LF1100		5DZCC00027	
J804	CONNECTOR	MM3325-2505		5JABT00002	
L230	COIL	H-6LASC00045A		6LASC00045	
L232	CORE	B-01AT1F		5MBAS00001	
L240	COIL	TSL1110-471KR46		5LLAG00016	
L241	COIL	TSL1110-152KR25		5LLAG00010	
L260	COIL	TSL1110-152KR25		5LLAG00010	
P806	CONNECTOR	DF3-6P-2DSA		5JDAA00938	
R231	RESISTOR FXD	CS1P0.3 OHM F		5RHAA03106	
TR200	TRANSISTOR	FSX52WF		5TKAM00013	
TR220	TRANSISTOR	FLL171ME		5TKAM00070	
TR230	TRANSISTOR	2SC4838		5TCAD00127	
TR231	TRANSISTOR	2SC4525		5TCAD00122	
W803	HARNESS	H-6ZCSC75005A		6ZCSC75005	
Z201	DUMMY LOAD	TDR3003S50		5ANBU00009	

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PARTS LIST

		TITLE				SHEET NO.
		PA		CAH-391CCH		1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE		
C201	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C202	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C203	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C205	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
5 C206	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C207	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C208	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C209	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C210	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
10 C211	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C212	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C213	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C214	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C220	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
15 C222	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C223	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C224	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C225	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C230	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
20 C232	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C233	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C234	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C236	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840		
C238	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
25 C239	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		
C240	CAP,FXD CER	C3216X7R1H104K-E-TP	50V 0.1UF	5CAAD01353		
C241	CAP,FXD CER	C3216X7R1H104K-E-TP	50V 0.1UF	5CAAD01353		
C242	CAP,FXD ELCTLT	ECEV1EG6R8GR		5CEAA03983		
C243	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
30 C244	CAP,FXD ELCTLT	ECEV1EG6R8GR		5CEAA03983		
C248	CAP,FXD ELCTLT	ECEV1EG6R8GR		5CEAA03983		
C251	CAP,FXD CER	C3216X7R1H104K-E-TP	50V 0.1UF	5CAAD01353		
C253	CAP,FXD CER	C3216X7R1H104K-E-TP	50V 0.1UF	5CAAD01353		
C256	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
35 C257	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838		

PARTS LIST

		TITLE			SHEET NO. 2
		PA		CAH-391CCH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
C259	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C260	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C261	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C262	CAP,FXD CER	C2012C0G1H070D-E-TP		7PF 50V	5CAAD00951
5 C270	EMI FILTER	NFM61R20T332T1		3300PF	5ENAD00049
C340	CAP,FXD CER	GRH111CH040C500		4PF 500V	5CAAA02404
C379	CAP,FXD CER	C2012C0G1H010C-E-TP		1PF 50V	5CAAD00852
C381	CAP,FXD CER	C2012C0G1H040C-E-TP		4PF 50V	5CAAD00961
C386	EMI FILTER	NFM61R20T332T1		3300PF	5ENAD00049
10 C387	EMI FILTER	NFM61R20T332T1		3300PF	5ENAD00049
C388	コンデンサ	GRH111CH010C500			5CZAJ00022
C401	CAP,FXD CER	C2012C0G1H030C-E-TP		3PF 50V	5CAAD00853
C402	CAP,FXD CER	C2012C0G1H010C-E-TP		1PF 50V	5CAAD00852
C403	CAP,FXD CER	C2012C0G1H010C-E-TP		1PF 50V	5CAAD00852
15 C404	CAP,FXD CER	C2012C0G1H010C-E-TP		1PF 50V	5CAAD00852
C405	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C406	CAP,FXD CER	C2012C0G1H010C-E-TP		1PF 50V	5CAAD00852
C407	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C408	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
20 C409	CAP,FXD CER	C2012C0G1H020C-E-TP		2PF 50V	5CAAD00949
C410	CAP,FXD CER	C2012UJ1H0R5C-E-TP			5CAAD02443
C411	CAP,FXD CER	C2012C0G1H020C-E-TP		2PF 50V	5CAAD00949
CD240	DIODE	RD6.8M-T1B			5TXAA00402
CD241	DIODE	SFPB-59			5TXAN00247
25 CV231	CAPACITOR VAR	TZBX4Z030BA110T00			5CVAA00281
CV232	CAPACITOR VAR	TZBX4Z030BA110T00			5CVAA00281
CV233	CAPACITOR VAR	TZBX4Z030BA110T00			5CVAA00281
CV234	CAPACITOR VAR	TZBX4Z030BA110T00			5CVAA00281
FL200	FILTER	H-6AFSC00020A(1643.5 MHZ)			6AFSC00020
30 IC200	IC	UPC2711T-E3			5DAAA00505
IC201	IC	UPC2709T-E3			5DAAA00458
IC240	IC	NJM78L05UA-TE1		5V 100MA	5DAAN00535
IC241	IC	NJU7660M-T1			5DAAN00673
IC244	IC	NJM2903M-T1			5DAAN00442
35 IC246	IC	NJM78L05UA-TE1		5V 100MA	5DAAN00535

PARTS LIST

		TITLE			SHEET NO. 3
		PA		CAH-391CCH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
L201	COIL	NL322522T-047K		47NH	5LCAC00908
L202	COIL	NL322522T-056K			5LCAC01045
L203	COIL	NL322522T-047K		47NH	5LCAC00908
L204	COIL	NL322522T-056K			5LCAC01045
L220	COIL	NL322522T-056K			5LCAC01045
5	PC200	PCB		H-6PCSC75032N	6PCSC75032
R200	RESISTOR	FXD	ERJ-6GEYJ100V	10 OHM ,1/10W	5REAG02330
R201	RESISTOR	FXD	ERJ-6GEYJ471V	470 OHM ,1/10W	5REAG01827
R202	RESISTOR	FXD	ERJ-6GEYJ471V	470 OHM ,1/10W	5REAG01827
10	R203	RESISTOR	FXD	ERJ-6GEYJ100V	10 OHM ,1/10W 5REAG02330
R204	RESISTOR	FXD	ERJ-6GEYJ471V	470 OHM ,1/10W	5REAG01827
R205	RESISTOR	FXD	ERJ-6GEYJ471V	470 OHM ,1/10W	5REAG01827
R206	RESISTOR	FXD	ERJ-6GEYK5R6V		5REAG02367
R207	RESISTOR	FXD	ERJ-6GEYJ821V	1/10W 820 OHM	5REAG01822
15	R208	RESISTOR	FXD	ERJ-6GEYJ821V	1/10W 820 OHM 5REAG01822
R209	RESISTOR	FXD	ERJ-6GEYJ470V	47 OHM 1/10W	5REAG02014
R210	RESISTOR	FXD	ERJ-6GEYJ101V	1/10W 100 OHM	5REAG01854
R211	RESISTOR	FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W	5REAG01823
R212	RESISTOR	FXD	ERJ-6GEYJ470V	47 OHM 1/10W	5REAG02014
20	R213	RESISTOR	FXD	ERJ-6GEYJ100V	10 OHM ,1/10W 5REAG02330
R214	RESISTOR	FXD	ERJ-6GEYJ471V	470 OHM ,1/10W	5REAG01827
R215	RESISTOR	FXD	ERJ-6GEYJ471V	470 OHM ,1/10W	5REAG01827
R220	RESISTOR	FXD	ERJ-6GEYK5R6V		5REAG02367
R221	RESISTOR	FXD	ERJ-6GEYJ821V	1/10W 820 OHM	5REAG01822
25	R222	RESISTOR	FXD	ERJ-6GEYJ821V	1/10W 820 OHM 5REAG01822
R223	RESISTOR	FXD	ERJ-6GEYJ470V	47 OHM 1/10W	5REAG02014
R224	RESISTOR	FXD	ERJ-6GEYJ101V	1/10W 100 OHM	5REAG01854
R225	RESISTOR	FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W	5REAG01823
R226	RESISTOR	FXD	ERJ-6GEYJ470V	47 OHM 1/10W	5REAG02014
30	R240	RESISTOR	FXD	ERJ-6GEYJ102V	1/10W 1K OHM 5REAG01814
R242	RESISTOR	FXD	ERJ-6GEYJ123V	1/10W 12K OHM	5REAG02009
R243	RESISTOR	FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W	5REAG01823
R244	RESISTOR	FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017
R245	RESISTOR	FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017
35	R247	RESISTOR	FXD	ERJ-6GEYJ562V	5.6K OHM ,1/10W 5REAG02260

PARTS LIST

		TITLE			SHEET NO.
		PA	CAH-391CCH		4
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
R248	RESISTOR FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017	
R249	RESISTOR FXD	ERJ-6GEYJ120V	12 OHM 1/10W	5REAG02016	
R250	RESISTOR FXD	ERJ-6GEYJ120V	12 OHM 1/10W	5REAG02016	
R251	RESISTOR FXD	ERJ-6GEYJ562V	5.6K OHM ,1/10W	5REAG02260	
5 R252	RESISTOR FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017	
R253	RESISTOR FXD	ERJ-6GEYJ561V	560 OHM ,1/10W	5REAG01818	
R254	RESISTOR FXD	ERJ-6GEYJ272V	2.7K OHM 1/10W	5REAG02006	
R257	RESISTOR FXD	ERJ-6GEYK1R0V		5REAG02795	
R258	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
10 R261	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W	5REAG02014	
R262	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W	5REAG02014	
R263	RESISTOR FXD	RR1220P912D	9.1K	5READ01064	
R264	RESISTOR FXD	RR1220P-152-D		5READ00815	
R265	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
15 R266	RESISTOR FXD	ERJ-6GEYJ471V	470 OHM ,1/10W	5REAG01827	
RV200	RESISTOR VAR	EVM-7JSX30B23	2K OHM	5RMAG00063	
RV220	RESISTOR VAR	EVM-7JSX30B23	2K OHM	5RMAG00063	
TR261	TRANSISTOR	2SA1213Y-TE12L		5TAAG00210	
TR262	TRANSISTOR	2SC2618C-TL		5TCAA00251	
20 Z21	RESISTOR FXD	ERJ-1WYJ201H		5REAG04527	
Z22	RESISTOR FXD	ERJ-1WYJ201H		5REAG04527	
Z23	RESISTOR FXD	ERJ-1WYJ201H		5REAG04527	
Z24	RESISTOR FXD	ERJ-1WYJ201H		5REAG04527	

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PARTS LIST

		TITLE			SHEET NO. 1
		CCU		CMC-940A	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C6	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C7	CAP,FXD ELCTLT	RC2S-6.3V-220M		5CEAC00137	
C8	CAP,FXD TANTAL	DB-5R5D334		5CSAE00009	
C9	CAP,FXD ELCTLT	RC2S-6.3V-220M		5CEAC00137	
5 C26	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C28	CAP,FXD ELCTLT	RC2S-6.3V-220M		5CEAC00137	
C52	CAP,FXD ELCTLT	RC2S-10V-220M		5CEAC00130	
C53	CAP,FXD ELCTLT	RC2S-6.3V-220M		5CEAC00137	
C54	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
10 C61	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C68	CAP,FXD ELCTLT	RC2S-10V-101M		5CEAC00143	
C69	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C70	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C71	CAP,FXD ELCTLT	RC2S-10V-220M		5CEAC00130	
15 C72	CAP,FXD ELCTLT	RC2S-6.3V-220M		5CEAC00137	
C74	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C75	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C76	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C77	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
20 C115	CAP,FXD ELCTLT	RC2S-6.3V-470M		5CEAC00138	
C202	CAP,FXD ELCTLT	ECEA1CKG100		5CEAA02425	
C203	CAP,FXD ELCTLT	ECEA1CKG100		5CEAA02425	
C206	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C207	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
25 C210	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C217	CAP,FXD ELCTLT	RC2S-6.3V-470M		5CEAC00138	
C229	CAP,FXD ELCTLT	RC2S-16V-470M		5CEAC00134	
CD8	DIODE	HZS4LL-B		5TXAE00865	
CD100	LED	TLG123A		5TZAD00114	
30 CD101	LED	TLG123A		5TZAD00114	
CH1	チツフマヒン	CMC-940ACH		CMC-940ACH	
CV1	CAPACITOR VAR	TZ03Z100FR	10PF	5CVAA00190	
FL200	CRYSTAL CKT	H-6XMSC00042		6XMSC00042	
IC2	IC	HN27C4096AGI-12		5DAAG01168	
35 IC5	IC	HM628128BLPI-10		5DAAG01194	

PARTS LIST

		TITLE		SHEET NO.	
		CCU		CMC-940A	
				2	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
IC6	IC	HM628128BLPI-10		5DAAG01194	
IC14	IC	TC5090AP		5DDAE00396	
IC18	IC	S-8054ALR		5DZBX00003	
IC20	IC	LM2940CT-5.0		5DAAK00292	
5 IC22	IC	LM2940CT-5.0		5DAAK00292	
IC25	IC	NM93C06EN		5DDAW00295	
IC100	IC	TMS320C10NL		5DDAL01677	
IC110	IC	HN27C1024HGJ-10		5DAAG00640	
IC117	IC	S-8054ALR		5DZBX00003	
10 IC200	CONVERTER	PCM56P		5ECBG00008	
IC204	IC	MC10107L		5DAAJ00058	
IC205	IC	MC10131L		5DAAJ00042	
ICS2	IC SOCKET	IC26-4006-GS4		5ZJAA00191	
ICS25	IC SOCKET	IC26-0803-GS4		5ZJAA00551	
15 ICS110	IC SOCKET	IC26-4006-GS4		5ZJAA00191	
J720	CONNECTOR	FL-R-PC(2)		5JAAA01450	
J722	CONNECTOR	FL-R-PC(2)		5JAAA01450	
J904	コネクタ	YT11121-Y1		5JWAN00077	
J906	コネクタ	YT11221-S1		5JWAN00078	
20 J908	コネクタ	YT11321-S1		5JWAN00079	
JP1	TERMINAL	DSP02-002-431-T	2P	5JWCX00036	
JP2	TERMINAL	DSP02-002-431-T	2P	5JWCX00036	
JP3	SHORTPLUG	DSP03-003-432T	3P	5JWCX00050	
JP3-1	SOCKET	DSP01-002-430G-9		5JWCX00016	
25 JP4	TERMINAL	DSP02-002-431-T	2P	5JWCX00036	
JP5	TERMINAL	DSP02-002-431-T	2P	5JWCX00036	
L1	COIL	TSL0807-470K1R0		5LLAG00027	
L2	COIL	TSL0807-470K1R0		5LLAG00027	
L3	COIL	TSL0807-470K1R0		5LLAG00027	
30 L201	COIL	TSL0807-470K1R0		5LLAG00027	
L202	COIL	TSL0807-470K1R0		5LLAG00027	
L203	COIL	TSL0807-470K1R0		5LLAG00027	
P1	CONNECTOR	HIF6-68PA-1.27DSA		5JFAA01600	
P2	CONNECTOR	HNC1-2.5P-12DS	12P	5JDAA00273	
35 P3	CONNECTOR	HNC2-2.5P-3DS	3P	5JDAA00362	

PARTS LIST

		TITLE			SHEET NO.
		CCU		CMC-940A	3
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
P601	CONNECTOR	DF11-26DP-2DSA		5JDAA01415	
P602	CONNECTOR	DF3-3P-2DSA		5JDAA00999	
P704	CONNECTOR	DF11-30DP-2DSA		5JDAA01409	
P706	CONNECTOR	DF11-20DP-2DSA		5JDAA01363	
5 P712	CONNECTOR	DF11-10DP-2DSA		5JDAA01239	
P713	CONNECTOR	DF11-4DP-2DSA		5JDAA01795	
R16	RESISTOR FXD	ERG-1ANJ470	1W 47 OHM	5REAG00151	
R226	RESISTOR FXD	RE15-YQ-56 OHM F	1/8W 56 OHM	5READ00480	
S1	SWITCH	AP1C-2S	POLL	5SCAB00097	
10 TP1	TERMINAL	LC-2-S YEL		5JTCW00030	
TP2	TERMINAL	LC-2-S YEL		5JTCW00030	
TP3	TERMINAL	LC-2-S YEL		5JTCW00030	
TP100	TERMINAL	LC-2-S YEL		5JTCW00030	
TP101	TERMINAL	LC-2-S YEL		5JTCW00030	
15 TP102	TERMINAL	LC-2-S YEL		5JTCW00030	
TP103	TERMINAL	LC-2-S YEL		5JTCW00030	
TP113	TERMINAL	LC-2-S BLK		5JTCW00008	
VC01	CRYSTAL OSC	H-6XNSC00042		6XNSC00042	
X1	CRYSTAL	H-6XHSC00015		6XHSC00015	
20 X2	CRYSTAL	C-002RX 32.768KHZ		5XHDL00001	
X100	CRYSTAL	AT-51B 19.6608MHZ		5XHAA01053	
X101	CRYSTAL	AT-51B 12.5MHZ		5XHAA01193	

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PARTS LIST

		TITLE			SHEET NO. 1
		CCU (CHIP)		CMC-940ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
C1	CAP,FXD TANTAL	267M1002225MR			5CSAC01385
C2	CAP,FXD CER	C2012C0G1H120J-E-TP		12PF 50V	5CAAD00968
C4	CAP,FXD CER	C2012C0G1H120J-E-TP		12PF 50V	5CAAD00968
C5	CAP,FXD CER	C2012C0G1H120J-E-TP		12PF 50V	5CAAD00968
5 C10	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C11	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C12	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C13	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C14	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
10 C15	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C16	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C17	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C18	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C19	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
15 C20	CAP,FXD TANTAL	267M2002 105MR			5CSAC01574
C21	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C22	CAP,FXD CER	C2012X7R1H223K-E-TP		0.022UF 50V	5CAAD01366
C23	CAP,FXD CER	C2012Y5V1H473Z-E-TP			5CAAD01072
C24	CAP,FXD CER	C2012Y5V1H473Z-E-TP			5CAAD01072
20 C25	CAP,FXD CER	C2012Y5V1H473Z-E-TP			5CAAD01072
C27	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C29	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C30	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C31	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
25 C32	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C33	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C34	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C35	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C36	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
30 C37	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C38	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C39	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959
C55	CAP,FXD TANTAL	267M3502 105MR		35V 1UF	5CSAC01430
C56	CAP,FXD TANTAL	267M3502 105MR		35V 1UF	5CSAC01430
35 C57	CAP,FXD TANTAL	267M3502 105MR		35V 1UF	5CSAC01430

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PARTS LIST

		TITLE				SHEET NO.
		CCU (CHIP)		CMC-940ACH		2
PART NO	PART NAME	TYPE		DESCRIPTION	CODE	
C58	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C59	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C60	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C62	CAP,FXD TANTAL	267M3502 105MR		35V 1UF	5CSAC01430	
5 C63	CAP,FXD TANTAL	267M3502 105MR		35V 1UF	5CSAC01430	
C64	CAP,FXD TANTAL	267M3502 105MR		35V 1UF	5CSAC01430	
C65	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C66	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C67	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
10 C73	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C101	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C102	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C103	CAP,FXD CER	C2012C0G1H100D-E-TP		50V 10PF	5CAAD00953	
C104	CAP,FXD CER	C2012C0G1H100D-E-TP		50V 10PF	5CAAD00953	
15 C105	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C106	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C108	CAP,FXD CER	C2012C0G1H330J-E-TP		33PF 50V	5CAAD00948	
C109	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C110	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
20 C111	CAP,FXD CER	C2012C0G1H330J-E-TP		33PF 50V	5CAAD00948	
C112	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C113	CAP,FXD ELCTLT	267M1002 685MR			5CEAM00012	
C114	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C130	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
25 C131	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C132	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C133	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C134	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C135	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
30 C136	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C137	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C138	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C139	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C140	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
35 C150	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	

PARTS LIST

		TITLE				SHEET NO.
		CCU (CHIP)		CMC-940ACH		3
PART NO	PART NAME	TYPE		DESCRIPTION	CODE	
C151	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C152	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C153	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C154	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
5 C155	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C156	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C157	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C158	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C159	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
10 C160	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C161	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C162	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C163	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C164	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
15 C165	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C166	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C167	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C168	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C169	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
20 C170	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C171	CAP,FXD CER	C2012C0G1H331J-E-TP		330PF 50V	5CAAD00973	
C180	CAP,FXD CER	C2012SL1H102J-E-TP		1000PF 50V	5CAAD01153	
C181	CAP,FXD CER	C2012SL1H102J-E-TP		1000PF 50V	5CAAD01153	
C182	CAP,FXD CER	C2012SL1H102J-E-TP		1000PF 50V	5CAAD01153	
25 C183	CAP,FXD TANTAL	267M2502 474MR			5CSAC01615	
C184	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C185	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C186	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C200	CAP,FXD TANTAL	267M2002 105MR			5CSAC01574	
30 C201	CAP,FXD TANTAL	267M2002 105MR			5CSAC01574	
C204	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C205	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C208	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C209	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C211	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	

PARTS LIST

			TITLE		SHEET NO.	
			CCU (CHIP)		4	
			CMC-940ACH			
PART NO	PART NAME	TYPE	DESCRIPTION	CODE		
C212	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C213	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C214	CAP,FXD CER	C2012C0G1H330J-E-TP	33PF 50V	5CAAD00948		
C215	CAP,FXD CER	C2012C0G1H330J-E-TP	33PF 50V	5CAAD00948		
5 C216	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C218	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C219	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C220	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C224	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
10 C225	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C226	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959		
C230	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
C231	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360		
C232	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
15 C233	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360		
C234	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
C235	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
C236	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
C238	CAP,FXD TANTAL	267M2002 105MR		5CSAC01574		
20 C240	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
C241	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360		
C242	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
C243	CAP,FXD TANTAL	267M2502 474MR		5CSAC01615		
C245	CAP,FXD TANTAL	267M2002 105MR		5CSAC01574		
25 CD1	DIODE	1SS226 TE85L		5TXAD00320		
CD2	DIODE	1SS226 TE85L		5TXAD00320		
CD3	DIODE	1SS300-TE85L		5TXAD00637		
CD4	DIODE	1SS184-TE85L		5TXAD00290		
CD5	DIODE	1SS226 TE85L		5TXAD00320		
30 CD7	DIODE	1SS226 TE85L		5TXAD00320		
CD9	DIODE	1SS226 TE85L		5TXAD00320		
CD10	DIODE	1SS226 TE85L		5TXAD00320		
CD11	DIODE	1SS302-TE85L		5TXAD00648		
IC1	IC	TMP68301AF-12		5DZAD00350		
35 IC3	IC	TC551001BFI-10L-EL		5DDAE02870		

PARTS LIST

		TITLE		SHEET NO.
		CCU (CHIP)	CMC-940ACH	5
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
IC4	IC	TC551001BFI-10L-EL		5DDAE02870
IC7	IC	HN58C256FPI-20Z		5DAAG00769
IC8	IC	MSM6242BGS-VK-R2		5DDAG00334
IC9	IC	H-6DLSC00009		6DLSC00009
5 IC10	IC	MC74HC259FL2		5DAAJ01302
IC11	IC	MC74HC259FL2		5DAAJ01302
IC12	IC	MC74HC259FL2		5DAAJ01302
IC13	IC	MC14051BFR2		5DAAJ01000
IC15	IC	MAX238EWG-TE2		5DDED00278
10 IC16	IC	NJM78L05UA-TE1	5V 100MA	5DAAN00535
IC17	IC	M51951BML-600D		5DAAB00243
IC19	IC	NJM2904M-T1		5DAAN00405
IC21	IC	MC74HC259FL2		5DAAJ01302
IC23	IC	MC74HC32AFL1		5DAAJ01327
15 IC24	IC	MC74HC251FL1		5DAAJ01326
IC26	IC	SC7S32FEL		5DDAS00230
IC101	IC	M5M5256CFP-70LL-W4		5DDAB00620
IC102	IC	M5M5256CFP-70LL-W4		5DDAB00620
IC103	IC	ADS7800JUT1		5DABN00034
20 IC104	IC	74AC245SJL		5DDAP00496
IC105	IC	74AC245SJL		5DDAP00496
IC106	IC	74AC541SJL		5DDAP00497
IC107	IC	74AC541SJL		5DDAP00497
IC108	IC	H-6DLSC00011B		6DLSC00011
25 IC109	IC	HD68HC000CPI12		5DDAF01722
IC111	IC	HM62256BLFPI-7SLT		5DAAG01201
IC112	IC	HM62256BLFPI-7SLT		5DAAG01201
IC113	IC	HD74HC245FPTR		5DDAF01911
IC114	IC	HD74HC245FPTR		5DDAF01911
30 IC115	IC	TC74HC4053AF-TP1		5DDAE01463
IC116	IC	TC74HC08AF-TP1		5DDAE01295
IC118	IC	MC74HCU04FL1		5DAAJ01325
IC119	IC	MC74HC00AFR2		5DAAJ00953
IC120	IC	HD74HC09FPTR		5DDAF01912
35 IC121	IC	SC7S32FEL		5DDAS00230

PARTS LIST

		TITLE			SHEET NO. 6
		CCU (CHIP)		CMC-940ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
IC122	IC	SC7S04FEL			5DDAS00265
IC130	IC	NJM79L05UA-TE1		-5V 100MA	5DAAN00593
IC131	IC	TC74HC74AF-TP1			5DDAE01299
IC132	IC	TC74HC14AF-TP1			5DDAE01466
5 IC201	IC	LM308AMFL63			5DAAK00318
IC202	IC	LM308AMFL63			5DAAK00318
IC203	IC	SR25DTA			5DADS00003
IC206	IC	NJM78L05UA-TE1		5V 100MA	5DAAN00535
IC207	IC	NJM78L05UA-TE1		5V 100MA	5DAAN00535
10 IC208	IC	NJM78L09UA-TE1			5DAAN00483
IC210	IC	NJM79L05UA-TE1		-5V 100MA	5DAAN00593
IC211	IC	NJM79L09UA-TE1			5DAAN00609
L204	COIL	NL322522T-1R0J		1UH	5LCAC01068
P713	CONNECTOR	DF11-4DP-2DSA			5JDAA01795
15 PC1	PCB	H-6PCSC75091			6PCSC75091
PHT1	IC	NJL5151MA-T1			5TZAB00340
R1	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R2	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R3	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
20 R4	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R5	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R6	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R7	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R8	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
25 R9	RESISTOR FXD	ERJ-6GEYJ104V		100K OHM 1/10W	5REAG02020
R10	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R11	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R12	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R13	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
30 R14	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R15	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R17	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R18	RESISTOR FXD	ERJ-6GEYJ154V		1/10W 150K	5REAG02551
R19	RESISTOR FXD	ERJ-6GEYJ104V		100K OHM 1/10W	5REAG02020
35 R20	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262

PARTS LIST

			TITLE		SHEET NO.
			CCU (CHIP)	CMC-940ACH	7
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R21	RESISTOR FXD	ERJ-6GEYJ432V		4.3K OHM 1/10W	5REAG02007
R22	RESISTOR FXD	ERJ-6GEYJ152V		1.5K OHM ,1/10W	5REAG01821
R23	RESISTOR FXD	ERJ-6GEYJ152V		1.5K OHM ,1/10W	5REAG01821
R24	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
5 R25	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R26	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R27	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R28	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R29	RESISTOR FXD	ERJ-6GEYJ684V		1/10W 680K OHM	5REAG02601
10 R30	RESISTOR FXD	ERJ-6GEYJ223V		22K OHM ,1/10W	5REAG01816
R31	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R32	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R33	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
R34	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
15 R35	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R36	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
R37	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R39	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R40	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
20 R41	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R42	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R43	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R44	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R45	RESISTOR FXD	ERJ-6GEYJ681V		680 OHM ,1/10W	5REAG01817
25 R46	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R47	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R48	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R49	RESISTOR FXD	ERJ-6GEYJ105V		1M OHM 1/10W	5REAG02275
R50	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
30 R51	RESISTOR FXD	ERJ-6GEYJ393V		39K OHM 1/10W	5REAG02394
R52	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R53	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R54	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R55	RESISTOR FXD	ERJ-6GEYJ433V			5REAG02902
35 R56	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331

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PARTS LIST

		TITLE			SHEET NO. 8
		CCU (CHIP)		CMC-940ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R60	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R61	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R62	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R63	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R64	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R65	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R66	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R67	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R68	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R69	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R70	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R71	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R72	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R73	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R74	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R75	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R76	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R77	RESISTOR FXD	ERJ-6GEYJ104V		100K OHM 1/10W	5REAG02020
R100	RESISTOR FXD	ERJ-6GEYJ105V		1M OHM 1/10W	5REAG02275
R101	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R103	RESISTOR FXD	EXB-M16P473J			5REAG02714
R104	RESISTOR FXD	EXB-M16P473J			5REAG02714
R105	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R106	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R107	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R108	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R109	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R110	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R112	RESISTOR FXD	EXB-M16P473J			5REAG02714
R113	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R114	RESISTOR FXD	EXB-M16P473J			5REAG02714
R115	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R116	RESISTOR FXD	EXB-M16P473J			5REAG02714
R117	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R118	RESISTOR FXD	ERJ-6GEYJ105V		1M OHM 1/10W	5REAG02275

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PARTS LIST

		TITLE			SHEET NO. 9
		CCU (CHIP)		CMC-940ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R119	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R120	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R121	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R124	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
5 R125	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R126	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R127	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823
R200	RESISTOR FXD	ERJ-6GEYJ433V			5REAG02902
R201	RESISTOR FXD	ERJ-6GEYJ433V			5REAG02902
10 R202	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R203	RESISTOR FXD	ERJ-6GEYJ511V		1/10W 510 OHM	5REAG02722
R205	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R206	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R207	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
15 R208	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R209	RESISTOR FXD	ERJ-6GEYJ182V		1.8K OHM 1/10W	5REAG02018
R210	RESISTOR FXD	ERJ-6GEYJ182V		1.8K OHM 1/10W	5REAG02018
R211	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R212	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
20 R213	RESISTOR FXD	ERJ-6GEYJ681V		680 OHM ,1/10W	5REAG01817
R217	RESISTOR FXD	ERJ-6GEYJ681V		680 OHM ,1/10W	5REAG01817
R219	RESISTOR FXD	ERJ-6GEYJ270V		27 OHM ,1/10W	5REAG01826
R220	RESISTOR FXD	ERJ-6GEYJ182V		1.8K OHM 1/10W	5REAG02018
R221	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
25 R222	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R223	RESISTOR FXD	ERJ-6GEYJ182V		1.8K OHM 1/10W	5REAG02018
R224	RESISTOR FXD	ERJ-6GEYJ470V		47 OHM 1/10W	5REAG02014
R227	RESISTOR FXD	ERJ-6GEYJ822V		8.2K OHM 1/10W	5REAG02010
TR1	TRANSISTOR	2SA1162-YTE85L			5TAA00182
30 TR2	TRANSISTOR	2SA1162-YTE85L			5TAA00182
TR3	TRANSISTOR	2SC2462-LB-TL			5TCAA00321
TR4	TRANSISTOR	2SC2462-LB-TL			5TCAA00321
TR5	TRANSISTOR	2SC2462-LB-TL			5TCAA00321

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PARTS LIST

		TITLE			SHEET NO. 1
		FTU		CMK-271B	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
CD250	DIODE	5082-0180			5TXAY00045
CH1P	チツフ°フ°ヒッ	CMK-271BCH			CMK-271BCH
FL302	FILTER	H-6NSSC00016			6NSSC00016
J620A	CONNECTOR	FL-R-PC(2)			5JAAA01450
J622	CONNECTOR	FL-R-PC(2)			5JAAA01450
J721	CONNECTOR	FL-R-PC(2)			5JAAA01450
J727	CONNECTOR	FL-R-PC(2)			5JAAA01450
J729	CONNECTOR	FL-R-PC(2)			5JAAA01450
J902	CONNECTOR	H-6JASC00011B			6JASC00011
L200	COIL	H-6LASC00033A		0.1U	6LASC00033
P711	CONNECTOR	DF1B-4P-2.5DSA		4P	5JDAA01127
P725	CONNECTOR	DF1B-8DP-2.5DSA			5JDAA01350
R381	RESISTOR FXD	CS1P0.1 OHM FS			5RHAA03113
R382	RESISTOR FXD	CS1P0.3 OHM FS			5RHAA03114

PARTS LIST

			TITLE		SHEET NO.
			FTU(CHIP)	CMK-271BCH	1
PART NO	PART	NAME	TYPE	DESCRIPTION	CODE
C200	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C201	CAP,FXD	CER	C2012C0G1H100D-E-TP	50V 10PF	5CAAD00953
C202	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C203	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
5 C204	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C205	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C206	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C207	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C208	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
10 C209	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C210	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C211	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C212	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C213	CAP,FXD	CER	C2012C0G1H070D-E-TP	7PF 50V	5CAAD00951
15 C214	CAP,FXD	CER	C2012C0G1H070D-E-TP	7PF 50V	5CAAD00951
C215	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C218	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C219	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C220	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
20 C221	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C222	CAP,FXD	CER	C2012C0G1H100D-E-TP	50V 10PF	5CAAD00953
C223	CAP,FXD	CER	C2012C0G1H100D-E-TP	50V 10PF	5CAAD00953
C224	CAP,FXD	CER	C2012C0G1H100D-E-TP	50V 10PF	5CAAD00953
C225	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
25 C226	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C227	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959
C228	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959
C230	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C231	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
30 C232	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959
C233	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
C234	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840
C236	CAP,FXD	CER	C2012C0G1H070D-E-TP	7PF 50V	5CAAD00951
C237	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838
35 C240	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959

PARTS LIST

		TITLE				SHEET NO.
		FTU(CHIP)		CMK-271BCH		2
PART NO	PART	NAME	TYPE	DESCRIPTION	CODE	
C241	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C242	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C244	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C245	CAP,FXD	CER	C2012C0G1H100D-E-TP	50V 10PF	5CAAD00953	
5 C246	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C249	CAP,FXD	CER	C2012C0G1H100D-E-TP	50V 10PF	5CAAD00953	
C250	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838	
C251	CAP,FXD	CER	C2012C0G1H151J-E-TP	150PF 50V	5CAAD00958	
C252	CAP,FXD	CER	C2012C0G1H151J-E-TP	150PF 50V	5CAAD00958	
10 C253	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C254	CAP,FXD	CER	C2012C0G1H151J-E-TP	150PF 50V	5CAAD00958	
C255	CAP,FXD	CER	C2012C0G1H101J-E-TP	100PF 50V	5CAAD00839	
C256	CAP,FXD	CER	C2012C0G1H101J-E-TP	100PF 50V	5CAAD00839	
C257	CAP,FXD	CER	C2012C0G1H101J-E-TP	100PF 50V	5CAAD00839	
15 C258	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C259	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C260	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C261	CAP,FXD	CER	C2012C0G1H101J-E-TP	100PF 50V	5CAAD00839	
C262	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
20 C263	CAP,FXD	CER	C2012C0G1H101J-E-TP	100PF 50V	5CAAD00839	
C264	CAP,FXD	CER	C2012C0G1H680J-E-TP	68PF 50V	5CAAD00947	
C267	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C268	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838	
C269	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838	
25 C270	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C271	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838	
C272	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838	
C273	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C274	CAP,FXD	CER	C2012X7R1H102K-E-TP	1000PF 50V	5CAAD00838	
30 C275	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C276	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C277	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C278	CAP,FXD	CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C279	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
35 C280	CAP,FXD	CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	

PARTS LIST

		TITLE				SHEET NO. 3
		FTU(CHIP)		CMK-271BCH		
PART NO	PART	NAME	TYPE		DESCRIPTION	CODE
C281	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C282	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C283	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C284	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C285	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C286	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C288	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C289	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C290	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C291	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C292	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C293	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C294	CAP,FXD	CER	C2012C0G1H470J-E-TP		47PF 50V	5CAAD00854
C295	CAP,FXD	CER	C2012C0G1H150J-E-TP		15PF 50V	5CAAD00950
C297	CAP,FXD	CER	C2012C0G1H100D-E-TP		50V 10PF	5CAAD00953
C300	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C301	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C302	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C303	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C304	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C305	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C306	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C307	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C308	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C309	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C310	CAP,FXD	CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840
C311	CAP,FXD	CER	C2012C0G1H151J-E-TP		150PF 50V	5CAAD00958
C312	CAP,FXD	CER	C2012C0G1H151J-E-TP		150PF 50V	5CAAD00958
C313	CAP,FXD	CER	C2012C0G1H151J-E-TP		150PF 50V	5CAAD00958
C317	CAP,FXD	CER	C2012C0G1H151J-E-TP		150PF 50V	5CAAD00958
C318	CAP,FXD	CER	C2012C0G1H151J-E-TP		150PF 50V	5CAAD00958
C319	CAP,FXD	CER	C2012C0G1H151J-E-TP		150PF 50V	5CAAD00958
C320	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C321	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838
C322	CAP,FXD	CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838

PARTS LIST

		TITLE				SHEET NO.
		FTU(CHIP)		CMK-271BCH		4
PART NO	PART NAME	TYPE		DESCRIPTION	CODE	
C323	CAP,FXD CER	C2012C0G1H820J-E-TP		82PF 50V	5CAAD00960	
C324	CAP,FXD CER	C2012C0G1H560J-E-TP		56PF 50V	5CAAD00969	
C325	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840	
C326	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840	
C327	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840	
C328	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C329	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C330	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C331	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C332	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C333	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C334	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C335	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C336	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C337	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C340	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C341	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C342	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C354	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C355	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C356	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C357	CAP,FXD TANTAL	267M1602 226MR			5CSAC01562	
C358	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C359	CAP,FXD TANTAL	267M1602 226MR			5CSAC01562	
C360	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C361	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C362	CAP,FXD TANTAL	267M1602 226MR			5CSAC01562	
C363	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
CD201	DIODE	HSM-88AS-TL			5TXAE00739	
CD301	DIODE	HVM14SRTL			5TXAE00905	
CD302	DIODE	HVM14SRTL			5TXAE00905	
FL201	FILTER	H-6AFSC00020A(1643.5			6AFSC00020	
FL203	FILTER	MHZ) H-6AFSC00019A			6AFSC00019	
FL250	FILTER	H-6AFSC00024A		1150MHZ	6AFSC00024	
FL251	FILTER	H-6AFSC00024A		1150MHZ	6AFSC00024	

JRC

PARTS LIST

		TITLE		SHEET NO.
		FTU(CHIP)	CMK-271BCH	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
FL253	FILTER	H-6AFSC00027A(1150MH Z)		6AFSC00027
FL254	FILTER	H-6AFSC00027A(1150MH Z)		6AFSC00027
FL301	FILTER	H-6AFSC00028A		6AFSC00028
IC201	IC	UPC2712T-E3		5DAAA00490
5 IC202	IC	UPC2712T-E3		5DAAA00490
IC203	IC	UPC2709T-E3		5DAAA00458
IC204	IC	NJM2403M-T1		5DAAN00668
IC205	IC	NJM2904M-T1		5DAAN00405
IC206	IC	TA78L10F-TE12L		5DAAD00663
10 IC250	IC	UPC2712T-E3		5DAAA00490
IC251	IC	UPC2712T-E3		5DAAA00490
IC252	IC	UPC2714T-E3		5DAAA00538
IC253	IC	UPC2709T-E3		5DAAA00458
IC254	IC	UPC2714T-E3		5DAAA00538
15 IC255	IC	UPC2712T-E3		5DAAA00490
IC256	IC	UPC1688G-T1		5DAAA00390
IC257	IC	UPC2709T-E3		5DAAA00458
IC258	IC	UPC2709T-E3		5DAAA00458
IC301	IC	UPC2709T-E3		5DAAA00458
20 IC302	IC	UPC2709T-E3		5DAAA00458
IC304	IC	UPC2710T-E3		5DAAA00491
IC305	IC	UPC2715T-E3		5DAAA00492
IC306	IC	UPC2715T-E3		5DAAA00492
IC352	IC	L88MS05T-TL		5DADD00010
25 IC353	IC	L88MS05T-TL		5DADD00010
IC354	IC	L88MS05T-TL		5DADD00010
J620B	CONNECTOR	S.FL2-R-SMT(10)		5JAAA01748
L203	COIL	NL322522T-015K	15NH	5LCAC01043
L204	COIL	NL322522T-047K	47NH	5LCAC00908
30 L205	COIL	NL322522T-047K	47NH	5LCAC00908
L206	COIL	NL322522T-056K		5LCAC01045
L207	COIL	NL322522T-010K	10NH	5LCAC00932
L210	COIL	NL322522T-056K		5LCAC01045
L211	COIL	NL322522T-056K		5LCAC01045
35 L212	COIL	NL322522T-056K		5LCAC01045

PARTS LIST

		TITLE			SHEET NO. 6
		FTU(CHIP)		CMK-271BCH	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
L213	COIL	NL322522T-056K		5LCAC01045	
L250	COIL	NL322522T-056K		5LCAC01045	
L251	COIL	NL322522T-056K		5LCAC01045	
L252	COIL	NL322522T-1R0J	1UH	5LCAC01068	
L253	COIL	NL322522T-056K		5LCAC01045	
L254	COIL	NL322522T-056K		5LCAC01045	
L255	COIL	NL322522T-056K		5LCAC01045	
L256	COIL	NL322522T-1R0J	1UH	5LCAC01068	
L257	COIL	NL322522T-056K		5LCAC01045	
L258	COIL	NL322522T-047K	47NH	5LCAC00908	
L259	COIL	NL322522T-047K	47NH	5LCAC00908	
L260	COIL	NL322522T-082K	82NH	5LCAC01127	
L261	COIL	NL322522T-047K	47NH	5LCAC00908	
L262	COIL	NL322522T-047K	47NH	5LCAC00908	
L263	COIL	NL322522T-047K	47NH	5LCAC00908	
L264	COIL	NL322522T-047K	47NH	5LCAC00908	
L265	COIL	NL322522T-047K	47NH	5LCAC00908	
L266	COIL	NL322522T-047K	47NH	5LCAC00908	
L267	COIL	NL322522T-056K		5LCAC01045	
L268	COIL	NL322522T-047K	47NH	5LCAC00908	
L269	COIL	NL322522T-056K		5LCAC01045	
L270	COIL	NL322522T-056K		5LCAC01045	
L271	COIL	NL322522T-047K	47NH	5LCAC00908	
L280	COIL	NL322522T-056K		5LCAC01045	
L300	COIL	NL322522T-R10K	0.1UH	5LCAC00934	
L301	COIL	NL322522T-056K		5LCAC01045	
L302	COIL	NL322522T-047K	47NH	5LCAC00908	
L303	COIL	NL322522T-047K	47NH	5LCAC00908	
L304	COIL	NL322522T-047K	47NH	5LCAC00908	
L305	COIL	NL322522T-056K		5LCAC01045	
L306	COIL	NL322522T-047K	47NH	5LCAC00908	
L307	COIL	NL322522T-047K	47NH	5LCAC00908	
L309	COIL	NL322522T-056K		5LCAC01045	
L310	COIL	NL322522T-047K	47NH	5LCAC00908	
L311	COIL	NL322522T-056K		5LCAC01045	

PARTS LIST

		TITLE			SHEET NO.
		FTU(CHIP)		CMK-271BCH	7
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
L312	COIL	NL322522T-047K		47NH	5LCAC00908
L313	COIL	NL322522T-056K			5LCAC01045
L314	COIL	NL322522T-056K			5LCAC01045
L315	COIL	NL322522T-056K			5LCAC01045
L316	COIL	NL322522T-056K			5LCAC01045
L317	COIL	NL322522T-047K		47NH	5LCAC00908
L318	COIL	NL322522T-082K		82NH	5LCAC01127
L319	COIL	NL322522T-056K			5LCAC01045
L320	COIL	NL322522T-056K			5LCAC01045
L321	COIL	NL322522T-047K		47NH	5LCAC00908
MIX201	MOD UNIT	MD10L			5EMAK00003
MIX300	MOD UNIT	MD10L			5EMAK00003
PC1	PCB	H-6PCSC75082D			6PCSC75082
R200	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R201	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
R202	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R203	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R204	RESISTOR FXD	ERJ-6GEYJ180V		18 OHM ,1/10W	5REAG01902
R205	RESISTOR FXD	ERJ-6GEYJ180V		18 OHM ,1/10W	5REAG01902
R206	RESISTOR FXD	ERJ-6GEYJ560V		56 OHM ,1/10W	5REAG02261
R207	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R208	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R209	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R211	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R212	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R213	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R214					6ZZAB10000
R215					6ZZAB10000
R216					6ZZAB10000
R219	RESISTOR FXD	ERJ-6GEYJ100V		10 OHM ,1/10W	5REAG02330
R220	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R221	RESISTOR FXD	ERJ-6GEYJ470V		47 OHM 1/10W	5REAG02014
R222	RESISTOR FXD	ERJ-6GEYK5R6V			5REAG02367
R224	RESISTOR FXD	ERJ-6GEYK8R2V		8.2 OHM	5REAG02710
R225	RESISTOR FXD	ERJ-6GEYK8R2V		8.2 OHM	5REAG02710

PARTS LIST

			TITLE		SHEET NO.
			FTU(CHIP)	CMK-271BCH	8
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R226	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R227	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R228	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R230	RESISTOR FXD	ERJ-6GEYJ121V		120 OHM 1/10W	5REAG02012
5 R231	RESISTOR FXD	ERJ-6GEYJ750V		75 OHM 1/10W	5REAG01856
R232	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R233	RESISTOR FXD	ERJ-6GEYJ104V		100K OHM 1/10W	5REAG02020
R234	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R235	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
10 R236	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R237	RESISTOR FXD	ERJ-6GEYJ681V		680 OHM ,1/10W	5REAG01817
R238	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R239	RESISTOR FXD	RR1220P-103-D		10K OHM	5READ00807
R240	RESISTOR FXD	RR1220P-103-D		10K OHM	5READ00807
15 R241	RESISTOR FXD	RR1220R-224-D			5READ01222
R242	RESISTOR FXD	RR1220R-224-D			5READ01222
R244	RESISTOR FXD	RR1220P-473D			5READ00834
R246	RESISTOR FXD	RR1220P-103-D		10K OHM	5READ00807
R247	RESISTOR FXD	RR1220P-103-D		10K OHM	5READ00807
20 R248	RESISTOR FXD	RR1220P-473D			5READ00834
R249	RESISTOR FXD	RR1220P-102-D		1K OHM +-0.5%	5READ00811
R250	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R251	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R252	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
25 R253	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R257	RESISTOR FXD	ERJ-6GEYJ222V		1/10W 2.2K OHM	5REAG02011
R258	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R259	RESISTOR FXD	ERJ-6GEYK4R7V		1/10W 4.7 OHM	5REAG02147
R261	RESISTOR FXD	ERJ-6GEYJ121V		120 OHM 1/10W	5REAG02012
30 R262	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R263	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R264	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R265	RESISTOR FXD	ERJ-6GEYJ750V		75 OHM 1/10W	5REAG01856
R266	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
35 R267	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273

PARTS LIST

		TITLE			SHEET NO.
		FTU(CHIP)		CMK-271BCH	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
R268	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R269	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R270	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R271	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R273	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R274	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R275	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R276	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R277	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R278	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R279	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
R280	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W	5REAG01825	
R281	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R282	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R283	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R284	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R285	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R286	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R287	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W	5REAG01825	
R288	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R289	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R290	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R292	RESISTOR FXD	ERJ-6GEYK8R2V	8.2 OHM	5REAG02710	
R294	RESISTOR FXD	ERJ-6GEYK8R2V	8.2 OHM	5REAG02710	
R295	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R296	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R297	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R298	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R299	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R300	RESISTOR FXD	ERJ-6GEYK4R7V	1/10W 4.7 OHM	5REAG02147	
R301	RESISTOR FXD	ERJ-6GEYK8R2V	8.2 OHM	5REAG02710	
R302	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM	5REAG02336	
R303	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
R305	RESISTOR FXD	ERJ-6GEYK4R7V	1/10W 4.7 OHM	5REAG02147	
R306	RESISTOR FXD	ERJ-6GEYK8R2V	8.2 OHM	5REAG02710	

PARTS LIST

		TITLE			SHEET NO. 10
		FTU(CHIP)		CMK-271BCH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R307	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R308	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R309	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R310	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
5 R311	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R312	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R313	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R314	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R315	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
10 R319	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R320	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R321	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R322	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R323	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
15 R324	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R325	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R326	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R327	RESISTOR FXD	ERJ-6GEYJ121V		120 OHM 1/10W	5REAG02012
R329	RESISTOR FXD	ERJ-6GEYJ750V		75 OHM 1/10W	5REAG01856
20 R330	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R331	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R332	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R333	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R334	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
25 R335	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R336	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R337	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R338	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R339	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
30 R340	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R341	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R342	RESISTOR FXD	ERJ-6GEYJ271V		270 OHM ,1/10W	5REAG01903
R343	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R344	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
35 R345	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273

PARTS LIST

		TITLE			SHEET NO.
		FTU(CHIP)		CMK-271BCH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R346	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R347	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R348	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R349	RESISTOR FXD	ERJ-6GEYJ222V		1/10W 2.2K OHM	5REAG02011
R352	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R353	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R354	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R372	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R388	RESISTOR FXD	RR1220P-562-D			5READ01221
R389	RESISTOR FXD	RR1220P-562-D			5READ01221
R390	RESISTOR FXD	RR1220P-562-D			5READ01221
R391	RESISTOR FXD	RR1220P-562-D			5READ01221
R392	RESISTOR FXD	RR1220P-122-D			5READ01254
R393	RESISTOR FXD	RR1220P-122-D			5READ01254
R394	RESISTOR FXD	RR1220P-102-D		1K OHM +-0.5%	5READ00811
RV300	RESISTOR VAR	ST-5TW100 OHM			5RVAL00089
RV310	RESISTOR VAR	ST-3TA1K OHM			5RVAL00090
TR201	TRANSISTOR	2SK690TX			5TKAK00010
TR202	TRANSISTOR	2SK690TX			5TKAK00010
TR251	TRANSISTOR	2SC3357-T1			5TCAB00287
TR301	トランジスタ	XN4501-TX			5TZAT00149
TR302	TRANSISTOR	XN5601-(TX)			5TZAT00111
TR350	TRANSISTOR	2SC2618-TL			5TCAA00324

PARTS LIST

		TITLE			SHEET NO.
		IFU		CME-170A	1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C55	CAP,FXD PLSTC	ECQ-B1H472KZ	50V 4700PF	5CRAA00427	
C61	CAP,FXD PLSTC	ECQ-V1H473JZ	0.047UF	5CRAA00389	
C84	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C108	CAP,FXD CER	DD110-63SL681J50		5CBAB03071	
5 C109	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C110	CAP,FXD PLSTC	ECQ-B1H472KZ	50V 4700PF	5CRAA00427	
C111	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C144	CAP,FXD ELCTLT	KMA25VB-47(M)	47U	5CEAD00898	
C145	CAP,FXD ELCTLT	KMA25VB-47(M)	47U	5CEAD00898	
10 C146	CAP,FXD ELCTLT	KMA25VB-47(M)	47U	5CEAD00898	
C169	CAP,FXD PLSTC	ECQ-V1H224JZ	50V 0.22UF	5CRAA00420	
C170	CAP,FXD TANTAL	202L3502 225K4	35V 2.2UF	5CSAC00360	
C188	CAP,FXD ELCTLT	KMA10VB-100(M)		5CEAD00900	
C189	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
15 CD3	DIODE	H-6TXSC00001 FC52M		6TXSC00001	
CH1	チツフマヒン	CME-170ACH		CME-170ACH	
FL1	CRYSTAL CKT	H-6XMSC00037A		6XMSC00037	
FL101	FILTER	H-6NSSC00017		6NSSC00017	
FL102	FILTER	BP320-358A1		5NLAT00051	
20 HC1	DLY CIRCUIT	DE6B-500T70-D3		5NDAL00005	
HC2	HIC	H-6DHSC00005	600HZ LPF	6DHSC00005	
HC101	MIXER	CB413M1		5AZAS00033	
IC104	IC	MB812AZ-G		5DDAT00771	
J723	CONNECTOR	FL-R-PC(2)		5JAAA01450	
25 J725	CONNECTOR	DF1B-8DS-2.5RC		5JDAA01387	
J726	CONNECTOR	FL-R-PC(2)		5JAAA01450	
J728	CONNECTOR	FL-R-PC(2)		5JAAA01450	
L7	COIL	H-6LASC00035	0.22U	6LASC00035	
L8	COIL	H-6LASC00034	0.66U	6LASC00034	
30 L104	COIL	TSL0807-470K1R0		5LLAG00027	
L105	COIL	TSL0807-470K1R0		5LLAG00027	
L106	COIL	TSL0807-470K1R0		5LLAG00027	
L107	COIL	TSL0807-470K1R0		5LLAG00027	
L108	COIL	TSL0807-470K1R0		5LLAG00027	
35 P705	CONNECTOR	DF1B-30DP-2.5DSA		5JDAA01479	

PARTS LIST

		TITLE		SHEET NO.
		IFU	CME-170A	2
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
P724	CONNECTOR	DF2-8P-2.5C	8P	5JDAA01314
PJ724-1	CONNECTOR	DF2-2428PC		5JDAA00918
PJ725-1	CONTACT	DF1B-2428PC		5JDAA01249
TP1	CONNECTOR	HNC2-2.5P-3DS	3P	5JDAA00362
5 VC0101	OSC UNIT	H-6ENSC00031		6ENSC00031
VC0102	OSC UNIT	H-6ENSC00030		6ENSC00030
W724	HARNESS	H-6ZCSC75003		6ZCSC75003
W724-1	TEPHRON CABLE	FEP-AWG24-19/0.125-(0)		2274000015
W724-2	TEPHRON CABLE	FEP-AWG24-19/0.125-(1)		2274000115
10 W724-3	TEPHRON CABLE	FEP-AWG24-19/0.125-(2)		2274000215
W724-4	TEPHRON CABLE	FEP-AWG24-19/0.125-(3)		2274000315
W724-5	TEPHRON CABLE	FEP-AWG24-19/0.125-(4)		2274000415
W724-6	TEPHRON CABLE	FEP-AWG24-19/0.125-(5)		2274000515
W724-7	TEPHRON CABLE	FEP-AWG24-19/0.125-(6)		2274000615
15 W724-8	TEPHRON CABLE	FEP-AWG24-19/0.125-(7)		2274000715

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PARTS LIST

		TITLE			SHEET NO.
		IFU(CHIP)		CME-170ACH	1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C1	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C2	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C3	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C4	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C5	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C6	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C7	CAP,FXD CER	C2012C0G1H060D-E-TP	6PF 50V	5CAAD00962	
C8	CAP,FXD CER	C2012C0G1H180J-E-TP	18PF 50V	5CAAD00963	
C9	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C10	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C11	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C12	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C13	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C14	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C15	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C16	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C17	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C18	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C19	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C20	CAP,FXD CER	C2012C0G1H060D-E-TP	6PF 50V	5CAAD00962	
C21	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C22	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C23	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C24	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C25	CAP,FXD CER	C2012C0G1H060D-E-TP	6PF 50V	5CAAD00962	
C26	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C27	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
C28	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C29	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C30	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C31	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
C32	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C33	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C34	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C35	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	

PARTS LIST

PART NO	PART NAME	TYPE	TITLE		SHEET NO. 2
			IFU(CHIP)	CME-170ACH	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C36	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C37	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C38	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C39	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
5 C40	CAP,FXD CER	C2012C0G1H681J-E-TP		5CAAD01053	
C41	CAP,FXD CER	C2012Y5V1E104Z-E-TP	0.1UF 25V	5CAAD01586	
C42	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C43	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C44	CAP,FXD TANTAL	267M2502 106MR	25V 10UF	5CSAC01800	
10 C45	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C46	CAP,FXD CER	C2012C0G1H070D-E-TP	7PF 50V	5CAAD00951	
C47	CAP,FXD CER	C2012C0G1H100D-E-TP	50V 10PF	5CAAD00953	
C48	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
C49	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
15 C50	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C51	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C52	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C53	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C54	CAP,FXD TANTAL	267M1602 106MR	16V,10UF	5CSAC01429	
20 C57	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
C58	CAP,FXD CER	C2012C0G1H120J-E-TP	12PF 50V	5CAAD00968	
C59	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
C62	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
C63	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
25 C64	CAP,FXD CER	C2012C0G1H470J-E-TP	47PF 50V	5CAAD00854	
C65	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C66	CAP,FXD CER	C2012SL1H102J-E-TP	1000PF 50V	5CAAD01153	
C67	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C68	CAP,FXD CER	C2012C0G1H220J-E-TP	22PF 50V	5CAAD00840	
30 C69	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C70	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C71	CAP,FXD CER	C2012C0G1H060D-E-TP	6PF 50V	5CAAD00962	
C72	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C73	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
35 C74	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	

PARTS LIST

		TITLE				SHEET NO. 3
		IFU(CHIP)		CME-170ACH		
PART NO	PART NAME	TYPE		DESCRIPTION	CODE	
C75	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C76	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C77	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C78	CAP,FXD CER	C2012C0G1H100D-E-TP		50V 10PF	5CAAD00953	
C79	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C80	CAP,FXD CER	C2012C0G1H100D-E-TP		50V 10PF	5CAAD00953	
C81	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C82	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C83	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C85	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C86	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C87	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C88	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C89	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C90	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C91	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C92	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C93	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C94	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C95	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C96	CAP,FXD CER	C2012C0G1H560J-E-TP		56PF 50V	5CAAD00969	
C97	CAP,FXD CER	C2012C0G1H820J-E-TP		82PF 50V	5CAAD00960	
C98	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C99	CAP,FXD CER	C2012C0G1H560J-E-TP		56PF 50V	5CAAD00969	
C101	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C102	CAP,FXD TANTAL	267M1602 106MR		16V,10UF	5CSAC01429	
C103	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C104	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C105	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C106	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C107	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C112	CAP,FXD CER	C2012C0G1H220J-E-TP		22PF 50V	5CAAD00840	
C113	CAP,FXD CER	C2012C0G1H120J-E-TP		12PF 50V	5CAAD00968	
C114	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C115	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	

PARTS LIST

		TITLE				SHEET NO.
		IFU(CHIP)		CME-170ACH		4
PART NO	PART NAME	TYPE	DESCRIPTION		CODE	
C116	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C117	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C118	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C119	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
5 C120	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C121	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C122	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C123	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C124	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
10 C125	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C126	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C127	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C128	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C129	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
15 C130	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C131	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C132	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C133	CAP,FXD TANTAL	267M1602 106MR	16V,10UF		5CSAC01429	
C134	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
20 C135	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C136	CAP,FXD TANTAL	267M1602 106MR	16V,10UF		5CSAC01429	
C137	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C138	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C139	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
25 C140	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C141	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C142	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C143	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C147	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
30 C148	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
C149	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C150	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C152	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959	
C153	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	
35 C154	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360	

PARTS LIST

		TITLE			SHEET NO.
		IFU(CHIP)		CME-170ACH	5
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C155	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C156	CAP,FXD TANTAL	267M1602 106MR	16V,10UF	5CSAC01429	
C157	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C158	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
5 C159	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C160	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C161	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C162	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360	
C163	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360	
10 C164	CAP,FXD TANTAL	267M1602 106MR	16V,10UF	5CSAC01429	
C165	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C166	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C167	CAP,FXD TANTAL	267M1602 106MR	16V,10UF	5CSAC01429	
C168	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
15 C171	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C172	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C173	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360	
C174	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V	5CAAD00959	
C187	CAP,FXD CER	C2012C0G1H030C-E-TP	3PF 50V	5CAAD00853	
20 C190	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360	
C191	CAP,FXD TANTAL	267M1602 105MR		5CSAC01360	
CD1	DIODE	HSM-88AS-TL		5TXAE00739	
CD2	DIODE	1SS184-TE85L		5TXAD00290	
CD4	DIODE	1SV202-10TLC		5TXAE00704	
25 CD101	DIODE	RD6.8P-T1		5TXAA00875	
CD102	DIODE	1SV128-TE85L		5TXAD00366	
CD103	DIODE	1SV128-TE85L		5TXAD00366	
CD104	DIODE	1SV128-TE85L		5TXAD00366	
IC1	IC	SA602AD-T		5DAED00001	
30 IC2	IC	UPC1676G-T1		5DAAA00284	
IC3	IC	MC1350DR2		5DDAS00314	
IC4	IC	SA602AD-T		5DAED00001	
IC5	IC	SA602AD-T		5DAED00001	
IC6	IC	MC33172ML2		5DDAS00238	
35 IC7	IC	MC33172ML2		5DDAS00238	

PARTS LIST

		TITLE		SHEET NO.
		IFU(CHIP)	CME-170ACH	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
IC8	IC	NJM2904M-T1		5DAAN00405
IC9	IC	MC145149DWR1		5DDAS00256
IC10	IC	MB504LPF-G-BND-TF		5DDAT01040
IC11	IC	SA602AD-T		5DAED00001
5 IC12	IC	MB503PF-G-BND		5DDAT00876
IC13	IC	SC7S32FEL		5DDAS00230
IC14	IC	NJM78L09UA-TE1		5DAAN00483
IC15	IC	NJU7201U50-TE1		5DDAU00251
IC16	IC	NJU7201U50-TE1		5DDAU00251
10 IC17	IC	SC7S32FEL		5DDAS00230
IC101	IC	UPC1678G-E1		5DDAC00946
IC102	IC	MB1504PF-G-BND-TF		5DDAT00622
IC105	IC	UPC1676G-T1		5DAAA00284
IC106	IC	UPC1675G-T1		5DAAA00354
15 IC107	IC	NJM2904M-T1		5DAAN00405
IC108	IC	SC7S32FEL		5DDAS00230
IC109	IC	NJU7201U50-TE1		5DDAU00251
IC110	IC	UPC1676G-T1		5DAAA00284
IC111	IC	NJM78L09UA-TE1		5DAAN00483
20 IC112	IC	MB1504PF-G-BND-TF		5DDAT00622
IC113	IC	NJM78L08UA-TE1		5DAAN00597
IC114	IC	NJU7201U50-TE1		5DDAU00251
L1	COIL	NL322522T-R68K-3		5LCAC01101
L2	COIL	NL322522T-1R0J	1UH	5LCAC01068
25 L3	COIL	NL322522T-100J		5LCAC01364
L4	COIL	NL322522T-R68K-3		5LCAC01101
L5	COIL	NL322522T-R68K-3		5LCAC01101
L6	COIL	NL322522T-1R0J	1UH	5LCAC01068
L9	COIL	NL322522T-R68K-3		5LCAC01101
30 L10	COIL	NL322522T-R12K-3	0.12UH	5LCAC01186
L11	COIL	NL322522T-R12K-3	0.12UH	5LCAC01186
L101	COIL	NL322522T-100J		5LCAC01364
L103	COIL	NL322522T-100J		5LCAC01364
L109	COIL	NL322522T-100J		5LCAC01364
35 L110	COIL	NL322522T-100J		5LCAC01364

PARTS LIST

		TITLE			SHEET NO. 7
		IFU(CHIP)		CME-170ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
L111	COIL	NL322522T-100J			5LCAC01364
PC1	PCB	H-6PCSC75021L			6PCSC75021
R1	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R2	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R3	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R4	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R5	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R6	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R7	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R8	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R9	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R10	RESISTOR FXD	ERJ-6GEYJ470V		47 OHM 1/10W	5REAG02014
R11	RESISTOR FXD	ERJ-6GEYJ470V		47 OHM 1/10W	5REAG02014
R12	RESISTOR FXD	ERJ-6GEYJ221V		220 OHM ,1/10W	5REAG01824
R13	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R14	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R15	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R16	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R17	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R18	RESISTOR FXD	ERJ-6GEYJ104V		100K OHM 1/10W	5REAG02020
R19	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R20	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R21	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R22	RESISTOR FXD	ERJ-6GEYJ272V		2.7K OHM 1/10W	5REAG02006
R23	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R24	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R25	RESISTOR FXD	ERJ-6GEYJ203V		1/10W 20K	5REAG02553
R26	RESISTOR FXD	ERJ-6GEYJ272V		2.7K OHM 1/10W	5REAG02006
R27	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R28	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R29	RESISTOR FXD	ERJ-6GEYJ203V		1/10W 20K	5REAG02553
R30	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R31	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R32	RESISTOR FXD	ERJ-6GEYJ332V		3.3K OHM ,1/10W	5REAG02262
R34	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017

PARTS LIST

		TITLE			SHEET NO.
		IFU(CHIP)		CME-170ACH	8
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
R35	RESISTOR FXD	ERJ-6GEYJ563V	56K OHM 1/10W	5REAG02274	
R36	RESISTOR FXD	ERJ-6GEYJ104V	100K OHM 1/10W	5REAG02020	
R37	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
R38	THERMISTOR	157-502-55007-TP		5RXAB00104	
5 R39	RESISTOR FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017	
R40	RESISTOR FXD	ERJ-6GEYJ224V	1/10W,220K OHM	5REAG02333	
R41	RESISTOR FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017	
R42	RESISTOR FXD	ERJ-6GEYJ101V	1/10W 100 OHM	5REAG01854	
R43	RESISTOR FXD	ERJ-6GEYJ224V	1/10W,220K OHM	5REAG02333	
10 R44	RESISTOR FXD	ERJ-6GEYJ271V	270 OHM ,1/10W	5REAG01903	
R45	RESISTOR FXD	ERJ-6GEYJ473V	47K OHM ,1/10W	5REAG02331	
R46	RESISTOR FXD	ERJ-6GEYJ474V	1/10W 470K	5REAG02550	
R47	RESISTOR FXD	ERJ-6GEYJ222V	1/10W 2.2K OHM	5REAG02011	
R48	RESISTOR FXD	ERJ-6GEYJ182V	1.8K OHM 1/10W	5REAG02018	
15 R49	RESISTOR FXD	ERJ-6GEYJ183V	1/10W,18K OHM	5REAG02332	
R50	RESISTOR FXD	ERJ-6GEYJ104V	100K OHM 1/10W	5REAG02020	
R51	RESISTOR FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017	
R52	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM	5REAG02336	
R53	RESISTOR FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017	
20 R55	RESISTOR FXD	ERJ-6GEYJ103V	1/10W 10K OHM	5REAG02017	
R56	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
R57	RESISTOR FXD	ERJ-6GEYJ180V	18 OHM ,1/10W	5REAG01902	
R58	RESISTOR FXD	ERJ-6GEYJ180V	18 OHM ,1/10W	5REAG01902	
R59	RESISTOR FXD	ERJ-6GEYJ680V	68 OHM 1/10W	5REAG02415	
25 R60	RESISTOR FXD	ERJ-6GEYJ180V	18 OHM ,1/10W	5REAG01902	
R61	RESISTOR FXD	ERJ-6GEYJ680V	68 OHM 1/10W	5REAG02415	
R62	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
R63	RESISTOR FXD	ERJ-6GEYJ473V	47K OHM ,1/10W	5REAG02331	
R64	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM	5REAG01814	
30 R65	RESISTOR FXD	ERJ-6GEYJ473V	47K OHM ,1/10W	5REAG02331	
R66	RESISTOR FXD	ERJ-6GEYJ101V	1/10W 100 OHM	5REAG01854	
R67	RESISTOR FXD	ERJ-6GEYJ223V	22K OHM ,1/10W	5REAG01816	
R68	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W	5REAG02273	
R69	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W	5REAG01825	
35 R70	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W	5REAG01825	

PARTS LIST

		TITLE			SHEET NO. 9
		IFU(CHIP)		CME-170ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R71	RESISTOR FXD	ERJ-6GEYJ330V		33 OHM 1/10W	5REAG02004
R72	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R73	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R74	RESISTOR FXD	ERJ-6GEYJ330V		33 OHM 1/10W	5REAG02004
5 R75	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R76	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R78	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R79	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R80	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
10 R84	RESISTOR FXD	ERJ-6GEYJ330V		33 OHM 1/10W	5REAG02004
R85	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R86	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R87	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R88	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
15 R101	RESISTOR FXD	ERJ-6GEYJ153V		15K OHM 1/10W	5REAG02022
R102	RESISTOR FXD	ERJ-6GEYJ392V		3.9K OHM 1/10W	5REAG02019
R103	RESISTOR FXD	ERJ-6GEYJ182V		1.8K OHM 1/10W	5REAG02018
R104	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R105	RESISTOR FXD	ERJ-6GEYJ821V		1/10W 820 OHM	5REAG01822
20 R106	RESISTOR FXD	ERJ-6GEYJ821V		1/10W 820 OHM	5REAG01822
R107	RESISTOR FXD	ERJ-6GEYJ821V		1/10W 820 OHM	5REAG01822
R109	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R110	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R111	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
25 R112	RESISTOR FXD	ERJ-6GEYJ180V		18 OHM ,1/10W	5REAG01902
R113	RESISTOR FXD	ERJ-6GEYJ272V		2.7K OHM 1/10W	5REAG02006
R114	RESISTOR FXD	ERJ-6GEYJ203V		1/10W 20K	5REAG02553
R117	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R118	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
30 R119	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R120	RESISTOR FXD	ERJ-6GEYJ680V		68 OHM 1/10W	5REAG02415
R121	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R122	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R123	RESISTOR FXD	ERJ-6GEYJ182V		1.8K OHM 1/10W	5REAG02018
35 R124	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336

PARTS LIST

		TITLE				SHEET NO.
		IFU(CHIP)		CME-170ACH		10
PART NO	PART NAME	TYPE	DESCRIPTION		CODE	
R127	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM		5REAG01814	
R128	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM		5REAG01814	
R129	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
R130	RESISTOR FXD	ERJ-6GEYJ330V	33 OHM 1/10W		5REAG02004	
5 R131	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM		5REAG02336	
R132	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM		5REAG02336	
R133	RESISTOR FXD	ERJ-6GEYJ330V	33 OHM 1/10W		5REAG02004	
R134	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM		5REAG02336	
R135	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM		5REAG02336	
10 R136	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
R137	RESISTOR FXD	ERJ-6GEYJ330V	33 OHM 1/10W		5REAG02004	
R138	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM		5REAG02336	
R139	RESISTOR FXD	ERJ-6GEYJ151V	1/10W 150 OHM		5REAG02336	
R140	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM		5REAG01814	
15 R141	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM		5REAG01814	
R142	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W		5REAG02273	
R143	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W		5REAG01825	
R144	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W		5REAG01825	
R145	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
20 R146	RESISTOR FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W		5REAG01823	
R147	RESISTOR FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W		5REAG01823	
R148	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM		5REAG01814	
R149	RESISTOR FXD	ERJ-6GEYJ222V	1/10W 2.2K OHM		5REAG02011	
R150	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM		5REAG01814	
25 R151	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W		5REAG02273	
R159	RESISTOR FXD	ERJ-6GEYJ102V	1/10W 1K OHM		5REAG01814	
R160	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W		5REAG02273	
R161	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W		5REAG01825	
R162	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W		5REAG01825	
30 R163	RESISTOR FXD	ERJ-6GEYJ150V	15 OHM 1/10W		5REAG02273	
R164	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W		5REAG01825	
R165	RESISTOR FXD	ERJ-6GEYJ331V	330 OHM ,1/10W		5REAG01825	
R166	RESISTOR FXD	ERJ-6GEYJ470V	47 OHM 1/10W		5REAG02014	
R167	RESISTOR FXD	ERJ-6GEYJ121V	120 OHM 1/10W		5REAG02012	
35 R168	RESISTOR FXD	ERJ-6GEYJ122V	1.2K OHM 1/10W		5REAG02015	

PARTS LIST

		TITLE			SHEET NO. 11
		IFU(CHIP)		CME-170ACH	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R169	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
R170	RESISTOR FXD	ERJ-6GEYJ330V		33 OHM 1/10W	5REAG02004
R171	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
R172	RESISTOR FXD	ERJ-6GEYJ151V		1/10W 150 OHM	5REAG02336
5 R173	RESISTOR FXD	ERJ-6GEYJ680V		68 OHM 1/10W	5REAG02415
R174	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R175	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R176	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R177	RESISTOR FXD	ERJ-6GEYJ102V		1/10W 1K OHM	5REAG01814
10 R178	RESISTOR FXD	ERJ-6GEYJ180V		18 OHM ,1/10W	5REAG01902
R179	RESISTOR FXD	ERJ-6GEYJ180V		18 OHM ,1/10W	5REAG01902
R180	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R181	RESISTOR FXD	ERJ-6GEYJ362V			5REAG02802
R182	RESISTOR FXD	ERJ-6GEYJ243V			5REAG01889
15 R183	RESISTOR FXD	ERJ-6GEYJ203V		1/10W 20K	5REAG02553
R184	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R185	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R186	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R187	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
20 R190	RESISTOR FXD	ERJ-6GEYJ470V		47 OHM 1/10W	5REAG02014
R191	RESISTOR FXD	ERJ-6GEYJ150V		15 OHM 1/10W	5REAG02273
R192	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
R193	RESISTOR FXD	ERJ-6GEYJ331V		330 OHM ,1/10W	5REAG01825
RV1	RESISTOR VAR	ST-4TB 1K OHM		1K	5RVAL00046
25 RV2	RESISTOR VAR	ST-4TB 10K OHM		10K	5RVAL00044
RV3	RESISTOR VAR	ST-4TB 1K OHM		1K	5RVAL00046
RV4	RESISTOR VAR	ST-4TB 10K OHM		10K	5RVAL00044
RV5	RESISTOR VAR	ST-4TB 5K OHM		5K	5RVAL00043
TR1	TRANSISTOR	2SK360IGETL			5TKAB00115
30 TR2	TRANSISTOR	2SK360IGETL			5TKAB00115
TR3	TRANSISTOR	2SK360IGETL			5TKAB00115
TR4	TRANSISTOR	2SK360IGETL			5TKAB00115
TR5	TRANSISTOR	2SC2618C-TL			5TCAA00251
TR6	TRANSISTOR	2SC2618C-TL			5TCAA00251
35 TR7	TRANSISTOR	2SC2618C-TL			5TCAA00251

PARTS LIST

		TITLE		SHEET NO. 12
		IFU(CHIP)	CME-170ACH	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
TR101	TRANSISTOR	2SC2618C-TL		5TCAA00251
TR102	TRANSISTOR	2SC2618C-TL		5TCAA00251
TR108	TRANSISTOR	2SC2618C-TL		5TCAA00251
TR109	TRANSISTOR	2SA1121-SCTL		5TAAA00108
5 TR110	TRANSISTOR	2SC2618C-TL		5TCAA00251

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PARTS LIST

		TITLE			SHEET NO. 1
		PANEL		CML-351B	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
CD1	LED	LD-101MG	GREEN	5TZCU00026	
CD2	LED	LD-101MG	GREEN	5TZCU00026	
CD3	LED	LD-101MG	GREEN	5TZCU00026	
CD4	LED	LD-101MG	GREEN	5TZCU00026	
CD5	LED	LD-101MG	GREEN	5TZCU00026	
CD6	LED	LD-101VR	RED	5TZCU00027	
J712	CONNECTOR	DF11-10DS-2C		5JDAA01366	
J712-1	CONNECTOR	DF11-2428SC		5JDAA01394	
P713	CONNECTOR	DF4-10PA-2R26		5JDAA01414	
PC1	PCB	H-6PCSC75018F	6PDSC75018 10メ	6PCSC75018	
PD1	フリップチップ	H-6PDSC75018F	6PCSC75018C10メ	6PDSC75018	
R1	RESISTOR FXD	ERD-25PJ331	1/4W 330 OHM	5RDAA01151	
R2	RESISTOR FXD	ERD-25PJ331	1/4W 330 OHM	5RDAA01151	
R3	RESISTOR FXD	ERD-25PJ331	1/4W 330 OHM	5RDAA01151	
R4	RESISTOR FXD	ERD-25PJ331	1/4W 330 OHM	5RDAA01151	
R5	RESISTOR FXD	ERD-25PJ331	1/4W 330 OHM	5RDAA01151	
R6	RESISTOR FXD	ERD-25PJ331	1/4W 330 OHM	5RDAA01151	
S1	SWITCH	AV4404		5SZAA00066	
SP1	BUZZER	EFB-AL30D401		5UBAX00022	
W712	HARNESS	H-6ZCSC75004		6ZCSC75004	
W714	ハーネス	H-6ZCSC75029		6ZCSC75029	

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PARTS LIST

		TITLE		SHEET NO.
		IME-RACK	CWB-718A	1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
J704	CONNECTOR	DF11-30DS-2C		5JDAA01413
J705	CONNECTOR	DF1B-30DS-2.5RC		5JDAA01257
J706	CONNECTOR	DF11-20DS-2C		5JDAA01365
J707	CONNECTOR	DF1B-20DS-2.5RC		5JDAA01272
PJ704-1	CONNECTOR	DF11-2428SC		5JDAA01394
PJ705-1	CONTACT	DF1B-R24		5JDAA01149
PJ706-1	CONNECTOR	DF11-2428SC		5JDAA01394
PJ707-1	CONTACT	DF1B-R24		5JDAA01149
S1	SWITCH	AJ7202B		5SEAS00013
W704	HARNESS	H-6ZCSC75001		6ZCSC75001
W704-1	TEPHRON CABLE	FEP-AWG24-19/0.125-(1)		2274000115
W704-10	TEPHRON CABLE	FEP-AWG24-19/0.125-(0)		2274000015
W704-11	TEPHRON CABLE	FEP-AWG24-19/0.125-(1)		2274000115
W704-12	TEPHRON CABLE	FEP-AWG24-19/0.125-(2)		2274000215
W704-13	TEPHRON CABLE	FEP-AWG24-19/0.125-(3)		2274000315
W704-14	TEPHRON CABLE	FEP-AWG24-19/0.125-(4)		2274000415
W704-15	TEPHRON CABLE	FEP-AWG24-19/0.125-(5)		2274000515
W704-16	TEPHRON CABLE	FEP-AWG24-19/0.125-(6)		2274000615
W704-17	TEPHRON CABLE	FEP-AWG24-19/0.125-(7)		2274000715
W704-18	TEPHRON CABLE	FEP-AWG24-19/0.125-(8)		2274000815
W704-19	TEPHRON CABLE	FEP-AWG24-19/0.125-(9)		2274000915
W704-2	TEPHRON CABLE	FEP-AWG24-19/0.125-(2)		2274000215
W704-20	TEPHRON CABLE	FEP-AWG24-19/0.125-(0)		2274000015
W704-21	TEPHRON CABLE	FEP-AWG24-19/0.125-(1)		2274000115
W704-22	TEPHRON CABLE	FEP-AWG24-19/0.125-(2)		2274000215
W704-23	TEPHRON CABLE	FEP-AWG24-19/0.125-(3)		2274000315
W704-24	TEPHRON CABLE	FEP-AWG24-19/0.125-(4)		2274000415
W704-25	TEPHRON CABLE	FEP-AWG24-19/0.125-(5)		2274000515
W704-26	TEPHRON CABLE	FEP-AWG24-19/0.125-(6)		2274000615
W704-27	TEPHRON CABLE	FEP-AWG24-19/0.125-(7)		2274000715
W704-28	TEPHRON CABLE	FEP-AWG24-19/0.125-(8)		2274000815
W704-29	TEPHRON CABLE	FEP-AWG24-19/0.125-(9)		2274000915
W704-3	TEPHRON CABLE	FEP-AWG24-19/0.125-(3)		2274000315
W704-30	TEPHRON CABLE	FEP-AWG24-19/0.125-(0)		2274000015
W704-4	TEPHRON CABLE	FEP-AWG24-19/0.125-(4)		2274000415

JRC

PARTS LIST

		TITLE		SHEET NO.
		IME-RACK	CWB-718A	2
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
W704-5	TEPHRON CABLE	FEP-AWG24-19/0.125-(		2274000515
W704-6	TEPHRON CABLE	5) FEP-AWG24-19/0.125-(		2274000615
W704-7	TEPHRON CABLE	6) FEP-AWG24-19/0.125-(		2274000715
W704-8	TEPHRON CABLE	7) FEP-AWG24-19/0.125-(		2274000815
W704-9	TEPHRON CABLE	8) FEP-AWG24-19/0.125-(		2274000915
W706	HARNESS	H-6ZCSC75002		6ZCSC75002
W706-1	TEPHRON CABLE	FEP-AWG24-19/0.125-(		2274000115
W706-10	TEPHRON CABLE	1) FEP-AWG24-19/0.125-(		2274000015
W706-11	TEPHRON CABLE	0) FEP-AWG24-19/0.125-(		2274000115
W706-12	TEPHRON CABLE	1) FEP-AWG24-19/0.125-(		2274000215
W706-13	TEPHRON CABLE	2) FEP-AWG24-19/0.125-(		2274000315
W706-14	TEPHRON CABLE	3) FEP-AWG24-19/0.125-(		2274000415
W706-15	TEPHRON CABLE	4) FEP-AWG24-19/0.125-(		2274000515
W706-16	TEPHRON CABLE	5) FEP-AWG24-19/0.125-(		2274000615
W706-17	TEPHRON CABLE	6) FEP-AWG24-19/0.125-(		2274000715
W706-18	TEPHRON CABLE	7) FEP-AWG24-19/0.125-(		2274000815
W706-19	TEPHRON CABLE	8) FEP-AWG24-19/0.125-(		2274000915
W706-2	TEPHRON CABLE	9) FEP-AWG24-19/0.125-(		2274000215
W706-20	TEPHRON CABLE	2) FEP-AWG24-19/0.125-(		2274000015
W706-3	TEPHRON CABLE	0) FEP-AWG24-19/0.125-(		2274000315
W706-4	TEPHRON CABLE	3) FEP-AWG24-19/0.125-(		2274000415
W706-5	TEPHRON CABLE	4) FEP-AWG24-19/0.125-(		2274000515
W706-6	TEPHRON CABLE	5) FEP-AWG24-19/0.125-(		2274000615
W706-7	TEPHRON CABLE	6) FEP-AWG24-19/0.125-(		2274000715
W706-8	TEPHRON CABLE	7) FEP-AWG24-19/0.125-(		2274000815
W706-9	TEPHRON CABLE	8) FEP-AWG24-19/0.125-(		2274000915
W720	CONNECTOR	9) FL-2LP-1.5DW-A-(200)		5JAAA01600
W722	CONNECTOR	FL-2LP-1.5DW-A-(300)		5JAAA01624
W726	CONNECTOR	FL-2LP-1.5DW-A-(60)		5JAAA01590
W728	CONNECTOR	FL-2LP-1.5DW-A-(60)		5JAAA01590

PARTS LIST

		TITLE			SHEET NO.
		POWER SUPPLY		CBD-1151A	1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C1	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C2	CAP,FXD ELCTLT	RSG50V821MS73		5CEAC00171	
C3	CAP,FXD ELCTLT	RSG50V821MS73		5CEAC00171	
C4	CAP,FXD PLSTC	ECQ-V1H105JZ	50V 1.0UF	5CRAA00471	
5 C11	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C12	CAP,FXD ELCTLT	ECE-A1CU101	100UF 16V	5CEAA01800	
C13	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C20	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C21	CAP,FXD TANTAL	202L2502 475K4	25V 4.7UF	5CSAC00344	
10 C22	CAP,FXD CER	RPE131CH102J50	50V 1000P	5CAAA02592	
C23	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C24	CAP,FXD PLSTC	ECQ-V1H224JZ	50V 0.22UF	5CRAA00420	
C25	CAP,FXD CER	RPE131CH102J50	50V 1000P	5CAAA02592	
C26	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
15 C27	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C28	CAP,FXD PLSTC	ECQ-V1H105JZ	50V 1.0UF	5CRAA00471	
C31	CAP,FXD CER	DD07-63B102K500		5CBAB03086	
C32	CAP,FXD CER	DD07-63B102K500		5CBAB03086	
C41	CAP,FXD CER	DD05-63B471K500		5CBAB03100	
20 C42	CAP,FXD CER	DD05-63B471K500		5CBAB03100	
C43	CAP,FXD PLSTC	ECQ-V1H105JZ	50V 1.0UF	5CRAA00471	
C44	CAP,FXD ELCTLT	RSG35V102MS64		5CEAC00172	
C45	CAP,FXD PLSTC	ECQ-V1H105JZ	50V 1.0UF	5CRAA00471	
C46	CAP,FXD PLSTC	ECQ-V1H334JZ	0.33U	5CRAA00446	
25 C51	CAP,FXD PLSTC	ECQ-V1H105JZ	50V 1.0UF	5CRAA00471	
C52	CAP,FXD ELCTLT	RSG50V821MS73		5CEAC00171	
C53	CAP,FXD PLSTC	ECQ-V1H105JZ	50V 1.0UF	5CRAA00471	
C54	CAP,FXD ELCTLT	RSG-10V272MS64		5CEAC00146	
C55	CAP,FXD PLSTC	ECQ-B1H223KZ	50V 0.022UF	5CRAA00428	
30 C61	CAP,FXD PLSTC	ECQ-V1H334JZ	0.33U	5CRAA00446	
C62	CAP,FXD PLSTC	ECQ-V1H105JZ	50V 1.0UF	5CRAA00471	
C63	CAP,FXD ELCTLT	RSG35V102MS64		5CEAC00172	
C71	CAP,FXD PLSTC	ECQ-V1H474JZ	50V 0.47UF	5CRAA00419	
C72	CAP,FXD ELCTLT	RSG-25V681MS55	25V 680UF	5CEAC00125	
35 C73	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	

PARTS LIST

		TITLE			SHEET NO.
		POWER SUPPLY		CBD-1151A	2
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C74	CAP,FXD ELCTLT	RSG35V102MS64		5CEAC00172	
C75	CAP,FXD CER	RPE132R104K50	50V 0.1UF	5CAAA02801	
C76	CAP,FXD CER	RPE132R104K50	50V 0.1UF	5CAAA02801	
CD11	DIODE	EM1Z	200V 1A	5TXAN00061	
5 CD12	DIODE	EM1Z	200V 1A	5TXAN00061	
CD13	DIODE	1S1588		5TXAD00040	
CD14	DIODE	1S1588		5TXAD00040	
CD15	DIODE	HZ6C1	1/2W 6V	5TXAE00166	
CD16	シリコンサーシ"アフ"ソーハ"	Z2047U		5ZAAM00018	
10 CD21	DIODE	HZ33-1	32V	5TXAE00331	
CD22	DIODE	1S1588		5TXAD00040	
CD31	DIODE	1S1588		5TXAD00040	
CD32	DIODE	1S1588		5TXAD00040	
CD41	DIODE	FML-36S		5TXAN00245	
15 CD51	DIODE	FMB-26L	60V 10A	5TXAN00181	
CD61	DIODE	FMB-26L	60V 10A	5TXAN00181	
CD71	DIODE	EK13		5TXAN00124	
CD72	DIODE	HZ5C1	1/2W 5V	5TXAE00130	
CD73	PHOTO COUPLER	TLP521-1-BL		5TZAD00364	
20 FL41	FILTER	DSS310-55D223S	50V 0.022UF	5NXAA00006	
G-IC3-5	オサイコム	MTT029742		MTT029742	
IC1	IC	LM2941T		5DAAK00291	
IC2	IC	TL594CN		5DDAL01159	
IC3	IC	LM2576T-ADJ		5DDAW00286	
25 IC4	IC	LM2577T-12		5DDAW00292	
IC5	IC	LM2576T-ADJ		5DDAW00286	
K1	RELAY	CB1A-P-12V		5KLAD01077	
K-IC3-5	オサイカナク"	MTB203428A	SPCC 2	MTB203428A	
KCD41	オサイカナク"	TRB1748		5ZYHE00001	
30 KIC1	オサイカナク"	TRB1748		5ZYHE00001	
KTR1-2	オサイイタ	MTB323539		MTB323539	
L1	COIL	HL10C200		5LCAY00010	
L41	COIL	SHP-033		5LLAA00057	
L51	COIL	HL04C151		5LADR00001	
35 L61	COIL	HL01B251		5LADR00002	

PARTS LIST

		TITLE			SHEET NO. 3
		POWER SUPPLY		CBD-1151A	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
L71	COIL	TSL0807-101KR75			5LLAG00037
L72	COIL	LAL04NA101K		100UF	5LCAA00202
L73	COIL	TSL0807-101KR75			5LLAG00037
P625	CONNECTOR	DF1B-3P-2.5DSA		3ピン	5JDAA01339
P707	CONNECTOR	DF1B-20DP-2.5DSA			5JDAA01440
PC1	PCB	H-6PCED01189C		6PDED01189 3メソ	6PCED01189
PD1	フックトハソ	H-6PDED01189		6PCED01189 3メソ	6PDED01189
R1	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R2	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R3	RESISTOR FXD	ERD-25UJ222		1/4W 2.2K OHM	5RDAA01353
R4	RESISTOR FXD	ERD-25UJ102		1/4W 1K OHM	5RDAA01345
R5	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R6	RESISTOR FXD	ERD-25UJ682		1/4W 6.8K OHM	5RDAA01365
R7	RESISTOR FXD	ERD-25UJ471		1/4W 470 OHM	5RDAA01337
R11	RESISTOR FXD	ERD-25UJ512		1/4W 5.1K OHM	5RDAA01362
R12	RESISTOR FXD	ERD-25UJ105		1/4W 1M OHM	5RDAA01417
R13	RESISTOR FXD	ERD-25UJ223		1/4W 22K OHM	5RDAA01377
R14	RESISTOR FXD	RE15-YQ-10K OHM F		1/8W 10K OHM	5READ00263
R15	RESISTOR FXD	RE15-YQ-2.4K OHM F		1/8W 2.4K OHM	5READ00450
R16	RESISTOR FXD	RE15-YQ-100 OHM F		1/8W 100 OHM	5READ00265
R17	RESISTOR FXD	ERD-25UJ473		1/4W 47K OHM	5RDAA01385
R18	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
R19	RESISTOR FXD	ERD-25UJ824		1/4W 820K OHM	5RDAA01415
R20	RESISTOR FXD	ERD-25UJ473		1/4W 47K OHM	5RDAA01385
R21	RESISTOR FXD	ERD-25UJ102		1/4W 1K OHM	5RDAA01345
R22	RESISTOR FXD	ERD-25UJ223		1/4W 22K OHM	5RDAA01377
R26	RESISTOR FXD	RE15-YQ-1.3K OHM F		1/8W 1.3K OHM	5READ00507
R27	RESISTOR FXD	RE35-YQ-4.3K OHM F			5READ00147
R28	RESISTOR FXD	RE15-YQ-3K OHM F		1/8W 3K OHM	5READ00414
R29	RESISTOR FXD	ERD-25UJ101		1/4W 100 OHM	5RDAA01321
R31	RESISTOR FXD	ERD-25UJ102		1/4W 1K OHM	5RDAA01345
R32	RESISTOR FXD	ERD-25UJ102		1/4W 1K OHM	5RDAA01345
R33	RESISTOR FXD	ERD-25UJ100		1/4W 10 OHM	5RDAA01297
R34	RESISTOR FXD	ERD-25UJ100		1/4W 10 OHM	5RDAA01297
R35	RESISTOR	ERG-2ANJ150		15オ-4 2W	5REAG00078

PARTS LIST

		TITLE			SHEET NO. 4
		POWER SUPPLY		CBD-1151A	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
R36	RESISTOR	ERG-2ANJ150	151-4 2W	5REAG00078	
R41	RESISTOR FXD	ERG-1ANJ680	1W68 OHM	5REAG00032	
R42	RESISTOR FXD	ERG-1ANJ680	1W68 OHM	5REAG00032	
R43	RESISTOR FXD	ERG-2ANJ102	2W 1K OHM	5REAG00034	
5 R44	RESISTOR	MPC76 2W 0.05 OHM		5RZCB00006	
R51	RESISTOR FXD	RE15-YQ-4.7K OHM F	1/8W 4.7K OHM	5READ00270	
R52	RESISTOR FXD	RE15-YQ-1.1K OHM F	1/8W 1.1K OHM	5READ00563	
R61	RESISTOR FXD	ERD-25UJ222	1/4W 2.2K OHM	5RDAA01353	
R71	RESISTOR FXD	RE15-YQ-24K OHM F	1/8W 24K OHM	5READ00503	
10 R72	RESISTOR FXD	RE15-YQ-2.7K OHM F	1/8W 2.7K OHM	5READ00598	
R73	RESISTOR FXD	ERD-25UJ223	1/4W 22K OHM	5RDAA01377	
R74	RESISTOR FXD	ERD-25UJ471	1/4W 470 OHM	5RDAA01337	
S-CD41	ホウネツシート	BFG-20AD D-3		5ZKBA00046	
S-IC1	ホウネツシート	BFG-20AD D-1		5ZKBA00045	
15 S-IC3-5	INSULATIONSHEET	H-6ZZSC00006A		6ZZSC00006	
S-TR1	ホウネツシート	BFG-20AD D-3		5ZKBA00046	
S-TR2	ホウネツシート	BFG-20AD D-3		5ZKBA00046	
T1	PULSE XFMR	H-6LPED00018B		6LPED00018	
TR1	TRANSISTOR	2SK1304		5TKAB00118	
20 TR2	TRANSISTOR	2SK1304		5TKAB00118	
TR3	TRANSISTOR	2SC3400		5TCBC00033	
TR4	TRANSISTOR	2SC1815		5TCAF00441	
TR5	THYRISTOR	03P2M		5TZAG00163	
TR6	TRANSISTOR	2SA1015		5TAAG00116	
25 TR7	TRANSISTOR	2SA1015		5TAAG00116	
TR8	TRANSISTOR	2SC2655-Y		5TCAF00246	
W1	ケーパル	H-6ZCED00426		6ZCED00426	
W2	ケーパル	H-6ZCED00425A	ニウリヨク	6ZCED00425	
W2B	コート フツシ	KR-61A		BRNG00164	

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PARTS LIST

		TITLE		SHEET NO.
		EXT BUZZ	NCE-4772A	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
J102	CONNECTOR	IL-G-2S-S3C2		5JWAD00070
J102-1	PIN	IL-G-C2-0001		5JWAD00214
J102-2	PIN	IL-G-C2-0001		5JWAD00214
SP1	SPEAKER	SM-92F		5USAB00015
W104-1	WIRE	250V-HV-7/0.18-(0)	H-6486-1	2265100051
W104-2	WIRE	250V-HV-7/0.18-(2)	H-6486-1	2265100251

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PARTS LIST

		TITLE			SHEET NO. 1
		BUZZ CONT		CDJ-1252A	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C2	CAP,FXD PLSTC	ECQ-B1H222KZ	50V 2200PF	5CRAA00429	
C11	CAP,FXD PLSTC	ECQ-B1H332KZ	50V 0.0033UF	5CRAA00527	
C12	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364	
C22	CAP,FXD ELCTLT	KME35VB-47(M)		5CEAP00192	
5 C23	CAP,FXD ELCTLT	KME35VB-47(M)		5CEAP00192	
C24	CAP,FXD ELCTLT	KME35VB-47(M)		5CEAP00192	
C26	CAP,FXD ELCTLT	KMA25VB-47(M)	47U	5CEAD00898	
C29	CAP,FXD ELCTLT	KMA25VB-47(M)	47U	5CEAD00898	
C32	CAP,FXD ELCTLT	KMA25VB-47(M)	47U	5CEAD00898	
10 CH1	チップコンデンサ	CDJ-1252AC		CDJ-1252AC	
IC1	IC	TC4047BP	MOS	5DDAE00207	
L1	COIL	TSL0807-470K1R0		5LLAG00027	
L2	COIL	TSL0807-470K1R0		5LLAG00027	
L3	COIL	TSL0807-470K1R0		5LLAG00027	
15 P101	CONNECTOR	HNC1-2.5P-12DS	12P	5JDAA00273	
R10	RESISTOR FXD	ERD-25UJ105	1/4W 1M OHM	5RDAA01417	
R13	RESISTOR FXD	ERD-25UJ105	1/4W 1M OHM	5RDAA01417	
R20	RESISTOR FXD	ERD-25UJ474	1/4W 470K OHM	5RDAA01409	
TB101	TERMINAL	GSE5/14 5406.6		5JTCV00044	
20 TP1	TERMINAL	LC-2-S YEL		5JTCW00030	
TP2	TERMINAL	LC-2-S BLK		5JTCW00008	

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PARTS LIST

		TITLE				SHEET NO.
		BUZZ CONT(CHIP)		CDJ-1252AC		1
PART NO	PART NAME	TYPE		DESCRIPTION	CODE	
C1	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C3	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C4	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C5	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
5 C6	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C7	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C8	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C9	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C10	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
10 C13	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C14	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C15	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C16	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C17	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
15 C18	CAP,FXD CER	C2012X7R1H102K-E-TP		1000PF 50V	5CAAD00838	
C19	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C20	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C21	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C25	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
20 C27	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C28	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C30	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C31	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
C33	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
25 C34	CAP,FXD CER	C2012X7R1H103K-E-TP		0.01UF 50V	5CAAD00959	
CD1	DIODE	1SS226 TE85L			5TXAD00320	
CD2	DIODE	1SS226 TE85L			5TXAD00320	
CD3	DIODE	1SS226 TE85L			5TXAD00320	
CD4	DIODE	SFPM-52V			5TXAN00190	
30 CD5	DIODE	SFPM-52V			5TXAN00190	
CD6	DIODE	SFPM-52V			5TXAN00190	
CD7	DIODE	1SS226 TE85L			5TXAD00320	
IC2	IC	TC4020BF-TP1			5DDAE01272	
IC3	IC	TC4020BF-TP1			5DDAE01272	
35 IC4	IC	TC4013BAF-TP1			5DDAE01776	

PARTS LIST

		TITLE			SHEET NO. 2
		BUZZ CONT(CHIP)		CDJ-1252AC	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
IC5	IC	NJL5153MD-T2			5TZAB00341
IC6	IC	NJL5151MA-T1			5TZAB00340
IC7	IC	TA31070F-TP1			5DDAE02147
IC8	IC	TC4011BF-TP1			5DDAE01275
IC9	IC	TC4049BF-TP1			5DDAE02148
IC10	IC	TD62004F-TP1			5DDAE02149
IC11	IC	NJM2904M-T1			5DAAN00405
PC1	PCB	H-6PCSC70043B			6PCSC70043
R1	RESISTOR FXD	ERJ-6GEYJ274V		1/10W 270K	5REAG02597
R2	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R3	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R4	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R5	RESISTOR FXD	ERJ-6GEYJ201V			5REAG02462
R6	RESISTOR FXD	ERJ-6GEYJ201V			5REAG02462
R7	RESISTOR FXD	ERJ-6GEYJ201V			5REAG02462
R8	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R9	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R11	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R12	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R14	RESISTOR FXD	ERJ-6GEYJ474V		1/10W 470K	5REAG02550
R15	RESISTOR FXD	ERJ-6GEYJ474V		1/10W 470K	5REAG02550
R16	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R17	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R18	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R19	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R21	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R22	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R23	RESISTOR FXD	ERJ-6GEYJ473V		47K OHM ,1/10W	5REAG02331
R24	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R25	RESISTOR FXD	ERJ-6GEYJ103V		1/10W 10K OHM	5REAG02017
R26	RESISTOR FXD	ERJ-6GEYJ101V		1/10W 100 OHM	5REAG01854
R27	RESISTOR FXD	ERJ-6GEYJ471V		470 OHM ,1/10W	5REAG01827
R28	RESISTOR FXD	ERJ-6GEYJ472V		4.7K OHM ,1/10W	5REAG01823

PARTS LIST

		TITLE		SHEET NO.
		BUZZ DISP	CAB-580A	1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
C3	CAP,FXD ELCTLT	KMA16VB-47(M)		5CEAD01046
C4	CAP,FXD ELCTLT	KMA16VB-47(M)		5CEAD01046
C5	CAP,FXD ELCTLT	KMA16VB-47(M)		5CEAD01046
C6	CAP,FXD ELCTLT	KMA16VB-22(M)		5CEAD00949
5 C7	CAP,FXD ELCTLT	KMA16VB-100(M)		5CEAD01064
C8	CAP,FXD ELCTLT	KMA16VB-100(M)		5CEAD01064
C9	CAP,FXD PLSTC	ECQ-V1H104JZ	50V 0.1UF	5CRAA00364
CD1	LED	TLR144	RED	5TZAD00220
CD2	LED	TLR144	RED	5TZAD00220
10 CD3	LED	TLR144	RED	5TZAD00220
CD4	LED	TLG144	GREEN	5TZAD00260
CH1	チップコンデンサ	CAB-580ACH		CAB-580ACH
IC1	IC	UPC1213C		5DAAA00317
IC2	IC	NJM7809F-A		5DVAJ00008
15 J101	CONNECTOR	HNC1-2.5S-12	12P	5JDAA00278
J101-1	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-10	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-11	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-12	CONTACT	HNC-2.5S-D-A		5JDAA00372
20 J101-2	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-3	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-4	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-5	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-6	CONTACT	HNC-2.5S-D-A		5JDAA00372
25 J101-7	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-8	CONTACT	HNC-2.5S-D-A		5JDAA00372
J101-9	CONTACT	HNC-2.5S-D-A		5JDAA00372
P1	CONNECTOR	DF4-12P-2C		5JDAA01250
P1-1	CONNECTOR	DF4-2428PC		5JFAA01386
30 P1-10	CONNECTOR	DF4-2428PC		5JFAA01386
P1-11	CONNECTOR	DF4-2428PC		5JFAA01386
P1-12	CONNECTOR	DF4-2428PC		5JFAA01386
P1-2	CONNECTOR	DF4-2428PC		5JFAA01386
P1-3	CONNECTOR	DF4-2428PC		5JFAA01386
35 P1-4	CONNECTOR	DF4-2428PC		5JFAA01386

PARTS LIST

		TITLE			SHEET NO. 2
		BUZZ DISP		CAB-580A	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
P1-5	CONNECTOR	DF4-2428PC			5JFAA01386
P1-6	CONNECTOR	DF4-2428PC			5JFAA01386
P1-7	CONNECTOR	DF4-2428PC			5JFAA01386
P1-8	CONNECTOR	DF4-2428PC			5JFAA01386
P1-9	CONNECTOR	DF4-2428PC			5JFAA01386
P102	CONNECTOR	IL-G-2P-S3L2-E			5JWAD00094
RV1	RESISTOR VAR	EVJ-02BF03B54			5RVAB00513
RV1-1	KNOB	MPHD01067A			MPHD01067A
RV2	RESISTOR VAR	EVJ-02BF03B54			5RVAB00513
RV2-1	KNOB	MPHD01067A			MPHD01067A
S1	SWITCH	D-2012EB	2P		5SZAT00072
S2	SWITCH	DB-2511B-10B			5SCAA00375
W101-1	WIRE	250V-HV-7/0.18-(1)	H-6486-1		2265100151
W101-10	WIRE	250V-HV-7/0.18-(0)	H-6486-1		2265100051
W101-11	WIRE	250V-HV-7/0.18-(1)	H-6486-1		2265100151
W101-12	WIRE	250V-HV-7/0.18-(2)	H-6486-1		2265100251
W101-2	WIRE	250V-HV-7/0.18-(2)	H-6486-1		2265100251
W101-3	WIRE	250V-HV-7/0.18-(3)	H-6486-1		2265100351
W101-4	WIRE	250V-HV-7/0.18-(4)	H-6486-1		2265100451
W101-5	WIRE	250V-HV-7/0.18-(5)	H-6486-1		2265100551
W101-6	WIRE	250V-HV-7/0.18-(6)	H-6486-1		2265100651
W101-7	WIRE	250V-HV-7/0.18-(7)	H-6486-1		2265100751
W101-8	WIRE	250V-HV-7/0.18-(8)	H-6486-1		2265100851
W101-9	WIRE	250V-HV-7/0.18-(9)	H-6486-1		2265100951

PARTS LIST

		TITLE			SHEET NO. 1
		BUZZ DISP(CHIP)		CAB-580ACH	
PART NO	PART NAME	TYPE	DESCRIPTION		CODE
C1	CAP,FXD TANTAL	267M1602 105MR			5CSAC01360
C2	CAP,FXD CER	C2012X7R1H102K-E-TP	1000PF 50V		5CAAD00838
C10	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959
C11	CAP,FXD CER	C2012X7R1H103K-E-TP	0.01UF 50V		5CAAD00959
PC1	PCB	H-6PCSC70046B			6PCSC70046
R1	RESISTOR FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W		5REAG01823
R2	RESISTOR FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W		5REAG01823
R3	RESISTOR FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W		5REAG01823
R4	RESISTOR FXD	ERJ-6GEYJ472V	4.7K OHM ,1/10W		5REAG01823
R5	RESISTOR FXD	ERJ-6GEYJ101V	1/10W 100 OHM		5REAG01854

PARTS LIST

		TITLE			SHEET NO. 1
		RDB		NQE-887A	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
BZ1	BUZZER	EFB-CB37C15			SUBAX00016
CD1	LED	BD-603G		GREEN	5TZAK00006
R1	RESISTOR FXD	ERD-25PJ151		1/4W 150 OHM	5RDAA01145
RV1	RESISTOR VAR	RV16YN15SB5K OHM		5K OHM	5RVAA00008
5 S1	SWITCH	A3KJ-90E1-05ER			5SZAC00074
S1-1	SWITCH	A3SJ-5050			5SKAJ00073
W1	WIRE	250V-HV-7/0.18-(1)		H-6486-1	2265100151
W2	WIRE	250V-HV-7/0.18-(2)		H-6486-1	2265100251
W3	WIRE	250V-HV-7/0.18-(3)		H-6486-1	2265100351
10 W4	WIRE	250V-HV-7/0.18-(0)		H-6486-1	2265100051
W5	WIRE	250V-HV-7/0.18-(5)		H-6486-1	2265100551
W6	WIRE	250V-HV-7/0.18-(0)		H-6486-1	2265100051
W7	WIRE	250V-HV-7/0.18-(7)		H-6486-1	2265100751
W8	WIRE	250V-HV-7/0.18-(0)		H-6486-1	2265100051

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PARTS LIST

		TITLE		SHEET NO.
		O.S.B	NQE-894A	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE
J1	CONNECTOR	HNC2-2.5S-3	3P	5JDAA00360
JS1-1	CONTACT	HNC-2.5S-D-B		5JDAA00408
SW1	SWITCH	M-2012E-G		5SAAB00855
SW2	SWITCH	M-2012E-G		5SAAB00855
W1	VINYL CABLE	250V-HV-7/0.12-(2)		2265100209
W2	VINYL CABLE	250V-HV-7/0.12-(9)		2265100909
W3	VINYL CABLE	250V-HV-7/0.12-(0)	H-6486-1	2265100009
W908	CABLE	H-6ZCSC00429	L=2MT	6ZCSC00429

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PARTS LIST

		TITLE			SHEET NO.
		SBC		CDJ-1274A	1
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C1	CAP,FXD CER	DD12-63B472K500	4700P	5CAAA03364	
C2	CAP,FXD CER	DD12-63B472K500	4700P	5CAAA03364	
C3	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C4	CAP,FXD CER	ECC-F1H101J		5CAAF00007	
5 C5	CAP,FXD CER	DD12-63B472K500	4700P	5CAAA03364	
C6	CAP,FXD CER	DD12-63B472K500	4700P	5CAAA03364	
C7	CAP,FXD CER	DD12-63B472K500	4700P	5CAAA03364	
C8	CAP,FXD CER	DD12-63B472K500	4700P	5CAAA03364	
C9	CAP,FXD ELCTLT	ECE-B25T100	25V 100UF	5CEAA00480	
10 C10	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C11	CAP,FXD ELCTLT	ECE-B25T100	25V 100UF	5CEAA00480	
C12	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C13	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C14	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
15 C15	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C16	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C17	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C18	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C19	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
20 C20	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C21	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C22	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C23	CAP,FXD TANTAL	202L3502 105K5471	35V 1UF	5CSAC00796	
C24	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
25 C25	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C26	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C27	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C28	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C29	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
30 C30	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C31	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C32	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C33	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C34	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
35 C35	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	

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PARTS LIST

		TITLE			SHEET NO.
		SBC		CDJ-1274A	2
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C36	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C37	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C38	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C39	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
5 C40	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C41	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C42	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C43	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
C44	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
10 C45	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
CD1	DIODE	1S1588LB-10C		5TXAD00526	
CD2	DIODE	1S1588LB-10C		5TXAD00526	
CD3	DIODE	1S1588LB-10C		5TXAD00526	
IC1	IC	HD74HC541P		5DDAF01244	
15 IC2	IC	H-6DDSC00020A	PALCE22V10	6DDSC00020	
IC3	IC	H-6DDSC00021A	PALCE22V10	6DDSC00021	
IC4	IC	HD74HC14P		5DDAF01013	
IC5	IC	TC4047BP	MOS	5DDAE00207	
IC6	IC	TC4020BP		5DDAE00099	
20 IC7	IC	TC4020BP		5DDAE00099	
IC8	IC	HD74HC393P		5DDAF00976	
IC9	IC	H-6DDSC00022A	PALCE16V8H	6DDSC00022	
IC10	IC	H-6DDSC00022A	PALCE16V8H	6DDSC00022	
ICS2	SOCKET	IC26-2403-GS4	24PIN 300MIL	5ZJAA00385	
25 ICS3	SOCKET	IC26-2403-GS4	24PIN 300MIL	5ZJAA00385	
ICS9	CONNECTOR	IC26-2003-GS4	20PIN 300MIL	5ZJAA00266	
ICS10	CONNECTOR	IC26-2003-GS4	20PIN 300MIL	5ZJAA00266	
L1	COIL	SBC03	60UH	5LCAL00016	
P1	CONNECTOR	HNC2-2.5P-3DS	3P	5JDAA00362	
30 P909	CONNECTOR	YT10221-S3		5JWAN00064	
PC1	PCB	H-6PCSC75028A		6PCSC75028	
R1	RESISTOR	EXB-F9E103J	10K OHM X8	5RDAA01567	
R2	RESISTOR FXD	ERD-25UJ103	1/4W 10K OHM	5RDAA01369	
R3	RESISTOR FXD	ERD-25UJ103	1/4W 10K OHM	5RDAA01369	
35 R4	RESISTOR FXD	ERD-25UJ103	1/4W 10K OHM	5RDAA01369	

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PARTS LIST

		TITLE			SHEET NO.
		SBC		CDJ-1274A	3
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
R5	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R6	RESISTOR FXD	ERD-25UJ104		1/4W 100K OHM	5RDAA01393
R7	RESISTOR FXD	ERD-25UJ473		1/4W 47K OHM	5RDAA01385
R8	RESISTOR FXD	ERD-25UJ471		1/4W 470 OHM	5RDAA01337
5 R9	RESISTOR FXD	ERD-25UJ512		1/4W 5.1K OHM	5RDAA01362
R10	RESISTOR FXD	ERD-25UJ512		1/4W 5.1K OHM	5RDAA01362
R11	RESISTOR FXD	ERD-25UJ512		1/4W 5.1K OHM	5RDAA01362
R12	RESISTOR FXD	ERD-25UJ120		1/4W 12 OHM	5RDAA01299
R13	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
10 R14	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
R15	RESISTOR FXD	ERD-25UJ100		1/4W 10 OHM	5RDAA01297
R16	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
R17	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
R18	RESISTOR FXD	ERD-25UJ100		1/4W 10 OHM	5RDAA01297
15 R19	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
R20	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
R21	RESISTOR FXD	ERD-25UJ100		1/4W 10 OHM	5RDAA01297
R22	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
R23	RESISTOR FXD	ERD-25UJ472		1/4W 4.7K OHM	5RDAA01361
20 R24	RESISTOR FXD	ERD-25UJ100		1/4W 10 OHM	5RDAA01297
R25	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R26	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R27	RESISTOR FXD	ERD-25UJ101		1/4W 100 OHM	5RDAA01321
R28	RESISTOR FXD	ERD-25UJ101		1/4W 100 OHM	5RDAA01321
25 R29	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R30	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
R31	RESISTOR FXD	ERD-25UJ101		1/4W 100 OHM	5RDAA01321
R32	RESISTOR FXD	ERD-25UJ101		1/4W 100 OHM	5RDAA01321
R33	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
30 R34	RESISTOR FXD	ERD-25UJ103		1/4W 10K OHM	5RDAA01369
TB1	TERMINAL	GSE 5/22 BEST NR5419			5JTCV00002
TR1	PHOTO COUPLER	6 TLP521-1-A			5TZAD00197
TR2	TRANSISTOR	2SA1015			5TAAG00116
TR3	TRANSISTOR	2SC1815			5TCAF00441
35 TR4	TRANSISTOR	2SA1015			5TAAG00116

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PARTS LIST

		TITLE			SHEET NO.
		EDP		CMH-1008A	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
C1	CAP,FXD CER	ECC-F1H270JC			5CAAF00122
C2	CAP,FXD CER	ECC-F1H270JC			5CAAF00122
C3	CAP,FXD TANTAL	202L2502	225K5471	25V 2.2UF	5CSAC00826
C4	CAP,FXD PLSTC	ECQ-B1H223KZ		50V 0.022UF	5CRAA00428
5 C5	CAP,FXD ELCTLT	RC2S-6.3V-101M			5CEAC00136
C6	CAP,FXD ELCTLT	RC2S-6.3V-101M			5CEAC00136
C7	CAP,FXD ELCTLT	RC2S-16V-470M			5CEAC00134
C8	CAP,FXD ELCTLT	RC2S-16V-470M			5CEAC00134
C11	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
10 C12	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C13	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C14	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C15	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C16	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
15 C17	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C18	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C19	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C20	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C21	CAP,FXD ELCTLT	RC2S-16V-220M			5CEAC00132
20 C22	CAP,FXD ELCTLT	RC2S-16V-220M			5CEAC00132
C23	CAP,FXD ELCTLT	RC2S-16V-220M			5CEAC00132
C24	CAP,FXD ELCTLT	RC2S-16V-220M			5CEAC00132
C25	CAP,FXD ELCTLT	KMA6.3VB-100(M)			5CEAD01028
C26	CAP,FXD TANTAL	DB-5R5D104			5CSAE00008
25 C27	CAP,FXD TANTAL	202L3502	105K5471	35V 1UF	5CSAC00796
C28	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
C29	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
C30	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
C31	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
30 C32	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
C33	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
C34	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
C35	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
C36	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475
35 C37	CAP,FXD PLSTC	ECQ-B1H103KZ		50V 0.01UF	5CRAA00475

PARTS LIST

		TITLE		SHEET NO.	
		EDP		CMH-1008A	
				2	
PART NO	PART NAME	TYPE	DESCRIPTION	CODE	
C38	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C39	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C40	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
C41	CAP,FXD ELCTLT	RC2S-16V-220M		5CEAC00132	
5 C42	CAP,FXD PLSTC	ECQ-B1H103KZ	50V 0.01UF	5CRAA00475	
CD1	DIODE	1S1588		5TXAD00040	
CD2	DIODE	1S1588		5TXAD00040	
CD3	DIODE	1S1588		5TXAD00040	
CD4	DIODE	1S1588		5TXAD00040	
10 CD5	DIODE	1S1588		5TXAD00040	
CD6	DIODE	1S1588		5TXAD00040	
IC1	IC	HD64180R1PJ6		5DDAF01372	
IC2	IC	HN27C101AGI-12		5DAAG00690	
IC3	IC	HM628128BLPI-8		5DAAG01153	
15 IC4	IC	MC74HC245AN		5DAAJ00762	
IC5	IC	H-6DDSC00017A	PEEL18CV8PI	6DDSC00017	
IC6	IC	H-6DDSC00018A	PEEL18CV8PI	6DDSC00018	
IC7	IC	TC74HC221AP		5DDAE01399	
IC8	IC	MAX232EPE		5DDED00002	
20 IC9	IC	MAX238ENG		5DDED00120	
IC10	IC	MC74HC74AN		5DAAJ00752	
IC11	IC	MC74HC245AN		5DAAJ00762	
IC12	IC	TC74HC541AP		5DDAE01304	
IC13	IC	MC74HC273AN		5DDAS00276	
25 IC14	IC	NJM78L05A	5V 0.1A	5DAAN00046	
IC15	IC	MC74HC273AN		5DDAS00276	
IC16	IC	NM93C06EN		5DDAW00295	
ICS2	IC SOCKET	IC26-3206-GS4		5ZJAA00495	
ICS16	IC SOCKET	IC26-0803-GS4		5ZJAA00551	
30 J910	コネクタ	YT11121-Y1		5JWAN00077	
J912	コネクタ	YT11121-Y1		5JWAN00077	
J914	コネクタ	YT11221-Y1		5JWAN00080	
L1	COIL	TSL0807-470K1R0		5LLAG00027	
L2	COIL	TSL0807-470K1R0		5LLAG00027	
35 P600	CONNECTOR	DF11-26DP-2DSA		5JDAA01415	

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PARTS LIST

		TITLE			SHEET NO. 3
		EDP		CMH-1008A	
PART NO	PART NAME	TYPE		DESCRIPTION	CODE
PC1	PCB	H-6PCSC75017C			6PCSC75017
PHT1	フォトカプ	NJL5152DD			5TZAB00342
R1	RESISTOR FXD	ERD-25PJ154		1/4W 150K OHM	5RDAA01159
R2	RESISTOR FXD	ERD-25PJ101		1/4W 100 OHM	5RDAA01175
R3	RESISTOR FXD	ERD-25PJ473		1/4W 47K OHM	5RDAA01153
5					
R4	RESISTOR FXD	ERD-25PJ271		1/4W 270 OHM	5RDAA01161
R5	RESISTOR FXD	ERD-25PJ271		1/4W 270 OHM	5RDAA01161
R6	RESISTOR FXD	ERD-25PJ271		1/4W 270 OHM	5RDAA01161
R7	RESISTOR FXD	ERD-25PJ271		1/4W 270 OHM	5RDAA01161
R8	RESISTOR FXD	ERD-25PJ271		1/4W 270 OHM	5RDAA01161
10					
R9	RESISTOR FXD	ERD-25PJ472		1/4W 4.7K OHM	5RDAA01183
R10	RESISTOR FXD	ERD-25PJ472		1/4W 4.7K OHM	5RDAA01183
R11	RESISTOR FXD	ERD-25PJ472		1/4W 4.7K OHM	5RDAA01183
R12	RESISTOR FXD	ERD-25PJ473		1/4W 47K OHM	5RDAA01153
R13	RESISTOR FXD	ERD-25PJ473		1/4W 47K OHM	5RDAA01153
15					
R14	RESISTOR FXD	ERG-1ANJ470		1W 47 OHM	5REAG00151
R15	RESISTOR FXD	ERD-25PJ472		1/4W 4.7K OHM	5RDAA01183
R20	RESISTOR FXD	RKC1/8 B8-47K OHM J			5REAE00226
R21	RESISTOR FXD	RKC1/8 B8-47K OHM J			5REAE00226
R22	RESISTOR FXD	RKC1/8 B8-47K OHM J			5REAE00226
20					
R23	RESISTOR FXD	RKC1/8 B8-47K OHM J			5REAE00226
R24	RESISTOR	ERD-25UJ221		1/4W 220 OHM	5RDAA01329
R25	RESISTOR	ERD-25UJ221		1/4W 220 OHM	5RDAA01329
R26	RESISTOR	ERD-25UJ221		1/4W 220 OHM	5RDAA01329
R27	RESISTOR	ERD-25UJ221		1/4W 220 OHM	5RDAA01329
25					
R28	RESISTOR	ERD-25UJ221		1/4W 220 OHM	5RDAA01329
R29	RESISTOR	ERD-25UJ221		1/4W 220 OHM	5RDAA01329
SW1	SWITCH	AP1F-6M			5SCAB00149
TR1	TRANSISTOR	2SC1815			5TCAF00441
TR2	TRANSISTOR	2SC1815			5TCAF00441
30					
TR3	TRANSISTOR	2SC1815			5TCAF00441
X1	TRANSDUCER	CSA12.2MTZ			5UNAB00109

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