FAX-L240
FAX-L290
(EC/UK/GER/FRN)

SERVICE REFERENCE MANUAL

REVISION 0

FAX-L240	H12-2513	230V EC
FAX-L240	H12-2514	230V UK
FAX-L240	H12-2515	230V GER
FAX-L240	H12-2517	230V FRN
FAX-L290	H12-2503	230V EC
FAX-L290	H12-2504	230V UK
FAX-L290	H12-2505	230V GER
FAX-L290	H12-2507	230V FRN
TELEPHONE 6 KIT	H12-3823	230V EU
TELEPHONE 6 KIT	H12-3824	230V UK

Canon

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HY8-90CY-000

I. PREFACE

This manual is based on the following manuals, and only includes differences between **FAX-L200/L280** and **FAX-L240/L290**.

HY8-10AQ-000	**FAX-L200/L280 SERVICE MANUAL, Rev.0**
HY8-30AM-000	**FAX-L200/L280 PARTS CATALOG, Rev.0**
HY8-80AP-000	**FAX-L200/L280 CIRCUIT DIAGRAM, Rev.0**

II. CONTENTS

CHAPTER 1 : POINTS OF DIFFERENCE FROM THE ORIGINAL MACHINE

This chapter explains the differences between this machine and the original one.

CHAPTER 2 : CIRCUIT DIAGRAM

This chapter contain the pages which are different from those in the Circuit Diagram for FAX-L240/L290.

CHAPTER 1
POINTS OF DIFFERNECE FROM THE ORIGINALMACHINE

1. Parts change

For details of any change in parts numbers, see the Parts Catalog.

2. Specification change

Canges have been made to the electrical circuitry, and the functions of the NCU board have been integrated with those of the SCNT board. In this Service Reference Manual, detailed explanations of the electrical circuitry have been omitted (to respect the decision not to disclose detailed information in technical documentation, e.g., on ICs).

Power consumption	standby less than 3.5W / less than 500W (when operating)
Modulation method	
G3 image signals	ITU-T V.27ter, V.29, V.17, V.34
G3 procedure signals	ITU-T V.21
Modem IC	FM336plus
ADF capacity	Max. 30 sheets (A4/Letter)
Transmission/Reception memory	FAX-L240: Approx. 256 pages FAX-L290: Approx. 448 pages
Other	Summer time added. Detecting a Residual Cartridge added.

Paper tray (ASF)	FAX-L240	FAX-L290
Envelopes	None	Approx. 7 envelopes
Transparencies	None	1 sheet

Note on Late Start:	Do not change the settings of #1 SSSW SW28 bit2 and bit3. If they are changed, a communication error might occur.

Interface specifications (FAX-L290)

interface	USB only
Support software	Windows 98/Me/2000/XP
	Winsows 95/NT4.0 (Not support)

	FAX-L290 Suite USB I/F
Windows 95	not supported
Windows 98	conditionally supported*
Windows NT 4.0	not supported
Windows 2000	conditionally supported*
Windows Me	conditionally supported*
Windows XP	conditionally supported*

*: A USB connection applies to Windows XP/Me/2000 pre-install models and to pre-install models upgraded to Windows XP/Me/2000 from Windows 98 or later.

Windows Drivers

Win98.Me LBP Printer Driver (USB supported)

Win2000.XP LBP Printer Driver (USB supported)

3. Setting the Language and Country

When you connect the power cord to an AC outlet for the first time, you need to select the language for the LCD display. For some countries, you also need to select the country where you are using the FAX machine. The FAX machine automatically switches the selectable settings and the default settings in the menus to suit the selected country.
Follow this procedure to set the language and country.

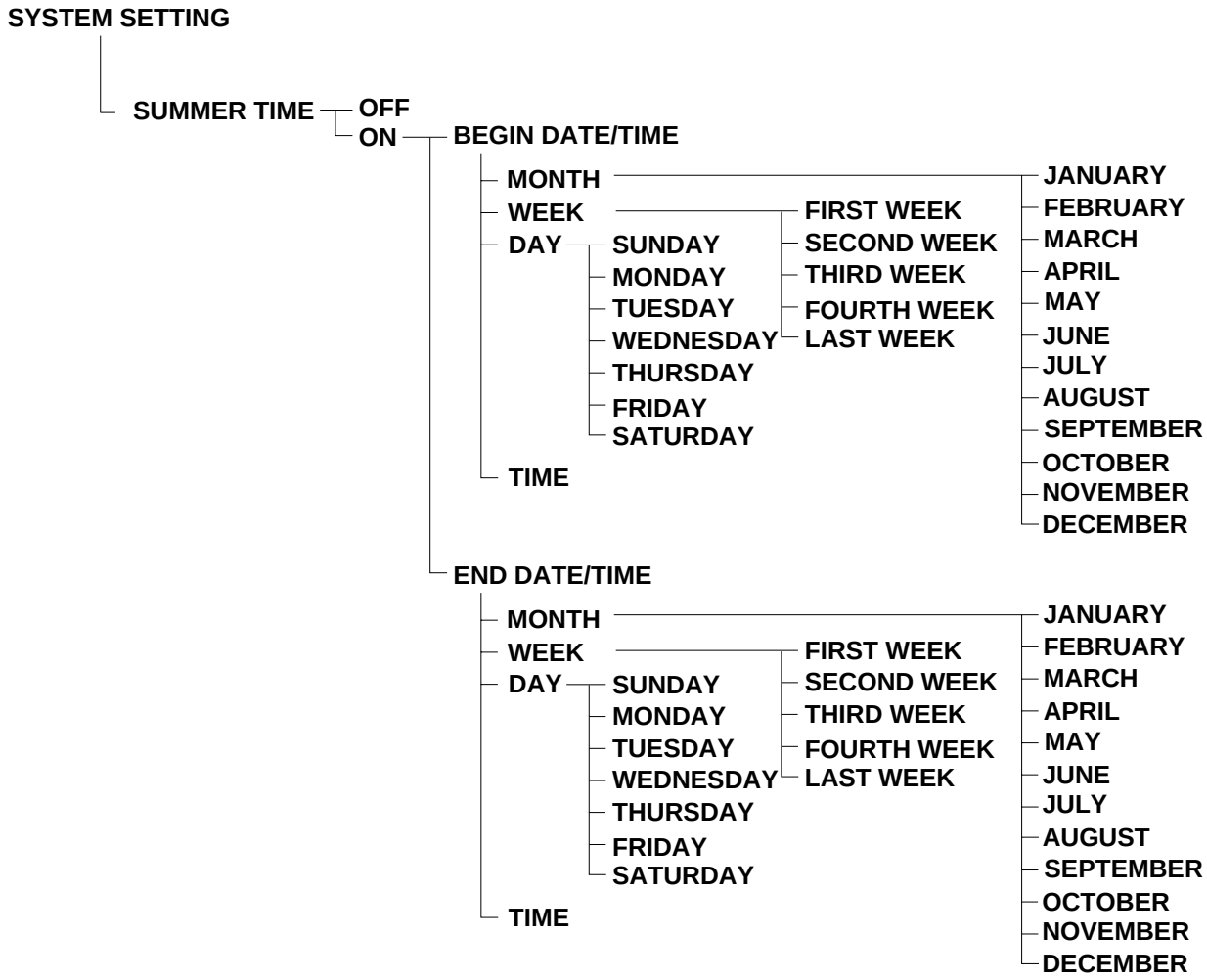
After connecting the power cord, the display changes from PLEASE WAIT to DISPLAY LANGUAGE.

Once you have selected the language and country, these setting menus will not appear next time you connect the power cord.

Normally, the country selection window will appear when the user has selected a language. A shift to the screen, however, will not occur if the user has selected any of the following for #5 TYPE in service mode:
EUROPE2, POLAND, ASIA, SLOVENIA, SINGAPORE, CHINA, SAF, HONG KONG, N.Z, AUSTRALIA, UK, GERMAN, ITALY, SWEDEN.

4. Setting the Summer Time

Some countries adopt the summer time system that shifts the clock time ahead or back according to the change in seasons. You can select if the time information in your FAX changes to match your country summer time system and set the day and time when the summer time begins and ends.



Operation at the Start of Summer Time

When the time selected for BEGIN DATE/TIME comes, the time stored by the machine is put forward by 1 hour. Any delayed call falling whitin the affected time slot will immediately be initiated when the time has come and the time has been put forward.

Operation at the End of Summer Time

When the time selected for END DATE/TIME comes, the time stored by the machine is put back by 1 hour. Any delayed call falling whitin the affected time slot will immediately be initiated when the time has come and the time has been put back.

If exactly the same date/time is selected for BEGIN DATE/TIME and END DATE/TIME, the time is put forward/back by 1 hour repeatedly year after year.

#1 SSSW (service soft switch setting)

SW09 (service soft switch 09: communication result display function settings)

Bit	Function	1	0
0	After normal end of communications, communications results displayed	Display	**No display**
1	After communications ending in error, communications results displayed	Display	**No display**
2	Not used		
3	Not used		
4	Not used		
5	Not used		
6 (New)	Summer Time setting	No display	**Display**
7	Not used		

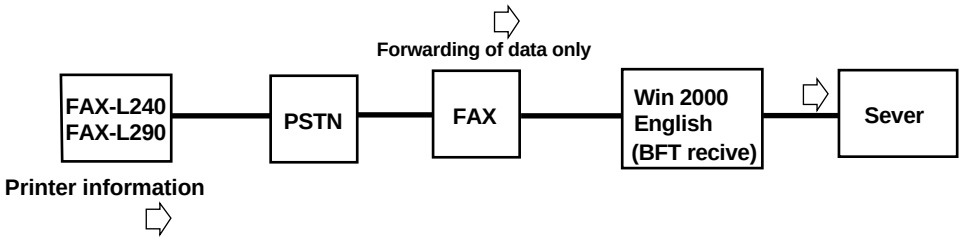
[Bit 6]

If Display is selected, the items associated with the summer time function will be added to the user data, enabling the user to make summer time settings.

5. Detecting a Residual Cartridge

5.1 Out line

This mechanism is designed to automatically cammunicate (ECM) printer information, e.g., cartridge replacement, printer number.



All Bits of the other machine's DIS must be set to [1]; in other words, the presence of a single [0] will cause the communication to end in error.

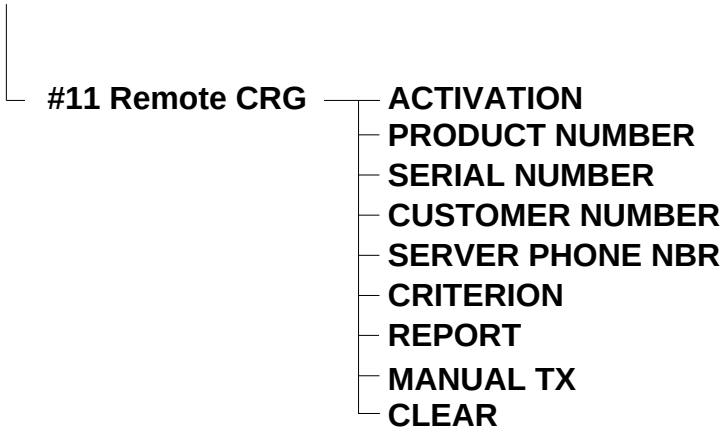
Bit 27 ECM: [0]=Not Provided, [1]=Provided
Bit 53 Binary File Transmission (BFT): [0]=Not Provided, [1]=Provided
Bit 99 Simple Phase C BFT Negotiations capability
: [0]=Not Provided, [1]=Provided

NOTE

The communication will end normally if the other party returns MCF in response to PPS-EOP. If, however, the other machine has a problem in compatibility in relation to BFT, it will return FDM and the communication will end in error.

5.2 Setting

The following items are available according to service mode settings:



ACTIVATION: Use it to ON/OFF the function.

PRODUCT NUMBER: Use it to register a product number (10 characters;upper case, lower case; numerals; symbols).

SERIAL NUMBER: Use it to register a serial number (8 characters;upper case, lower case; numerals; symbols).

CUSTOMER NUMBER: Use it to register a serial number (8 characters;upper case, lower case; numerals; symbols).

SERVER PHONE NBR: Use it to register the telephone number of the contact (25 characters; numerals; tone; pause; space).

CRITERION: Use it to store information about the cause of a call.

- **PAGES:** number of prints (3700; 0-9999)
- **DAYS:** number of days passed (30; 0-9999)

REPORT: Use it to generate a report of BFT registration data issued.

MANUAL TX: Use it to manually transmit BFT registration data.

CLEAR: Use it to clear all parameters set under Remote CRG.

5.3 Conditions for a Call

The function is enabled when ACTIVATION is set to ON, and the number of prints and the date currently registered will server as its starting point.

Condition 1:

When as many prints as set for PAGES under CRITERION have been made.

Condition 2:

When the cartridge runs out of toner, requiring replacement.

Condition 3:

When as many days as set for DAYS under CRITERION have been made.

Condition 4:

When a service error related to the printer has occurred.

A log on the following is used for the execution of this function:

Total number of prints made by the printer.

Number of prints that previously satisfied condition 1.

Date/Number of prints that previously satisfied condition 3.

NOTE

Executing ALL CLEAR or CLEAR for Remote CRG will also clear the log data.

Condition 1:

When the difference between the number of prints and the number of prints that previously satisfied condition 1 reaches the registered number of prints, a BFT file will be prepared and a call made.

NOTE

If the registered number of days under condition 3 is [0], no call will be made under this condition.

Condition 2:

When the cartridge runs out of toner to require replacement, a call will be made.

Thereafter, no call will be made under condition 2 until the cartridge has been replaced and the power has been turned off and then on. However, if condition 2 occurs once again when the power is turned on after replacement of the cartridge, a call will be made.

Condition 3:

When as many days as set pass since the day on which condition 3 is satisfied and, in addition, when 12 hours pass since the time at which ACTIVATION is set to ON, a call will be made.

NOTE

If the registered number of days under condition 3 is [0], no call will be made under this condition.

Condition 4:

When a service error that is related to the printer occurs, call will be made.

Thereafter, no call will be made under condition 4 unless the error has been cleared and the power has been turned off and then on once again. However, if condition 4 occurs when the power is turned on once again after clearing of the error, a call will be made.

NOTE

If a connection to the target machine fails when transmitting a BFT file, a shift will be made to redialing mode. Redialing may be enabled/disabled, and the number of redialing sessions depends on user settings.

5.4 BFT File

A BFT file is constructed as follows:

ADDRESS	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	**00**	01	00	**01**	00	**02**	00	**03**	00	**04**	0C	46	52	4E	2D	30
00000010	33	2D	30	31	2D	46	54	**05**	00	**06**	00	**07**	00	**08**	04	33
00000020	33	35	33	**09**	01	04	**20**	04	00	00	11	FF	**21**	0A	30	31
00000030	31	31	31	36	31	35	34	36	**22**	04	00	00	27	0F	**23**	04
00000040	00	00	11	00	**24**	0A	30	31	31	31	31	36	31	34	31	33
00000050	**25**	04	00	00	00	1E	**26**	04	00	00	10	17	**27**	0A	30	31
00000060	31	31	31	35	31	36	32	27								

Ex. 04 0C 46 52
- 46 52 — Nature of data
- 0C — Size of data
- 04 — Data tag

00 call item 1: program version (fixed).

01 call item 2: product number (in ASCII).

02 call item 3: serial number (in ASCII).

03 call item 4: customer number (in ASCII).

04 call item 5: ROM version (in ASCII).

05 call item 6: FAX number (in ASCII).

06 call item 7: FAX name G3 (in ASCII).

07 call item 8: FAX name G4 (in ASCII).

08 call item 9: Server phone number (in ASCII).

09 call item 10: cause of call.

- **00:** call condition 1.
- **01:** call condition 2.
- **02:** call condition 3.
- **03:** call condition 4.
- **04:** manual transmission.

20 call item 11: total number of prints (hexadecimal).

21 call item 12: date of transmission (in ASCII).
e.g., 2001 11 16 15:46 ---> 30 31 31 31 31 36 31 35 34 36

22 call item 13: number of prints set for PAGES under CRITERION (condition 1).

23 call item 14: number of prints when a call was made most recently under condition 1.

24 call item 15: date on which a call was made most recently under condition 1.

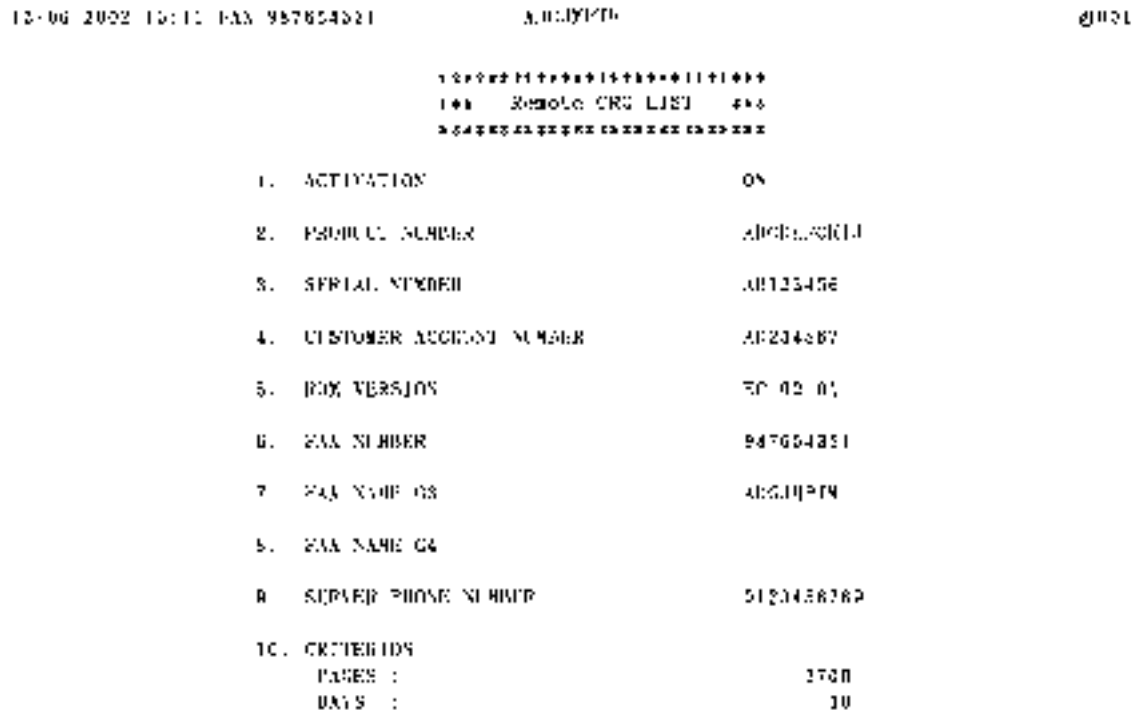
25 call item 16: number of days set for DAYS under CRITERION (condition 3).

26 call item 17: number of prints when a call was made most recently under condition 3.

27 call item 18: date on which a call was made most recently under condition 3.

5.5 Report

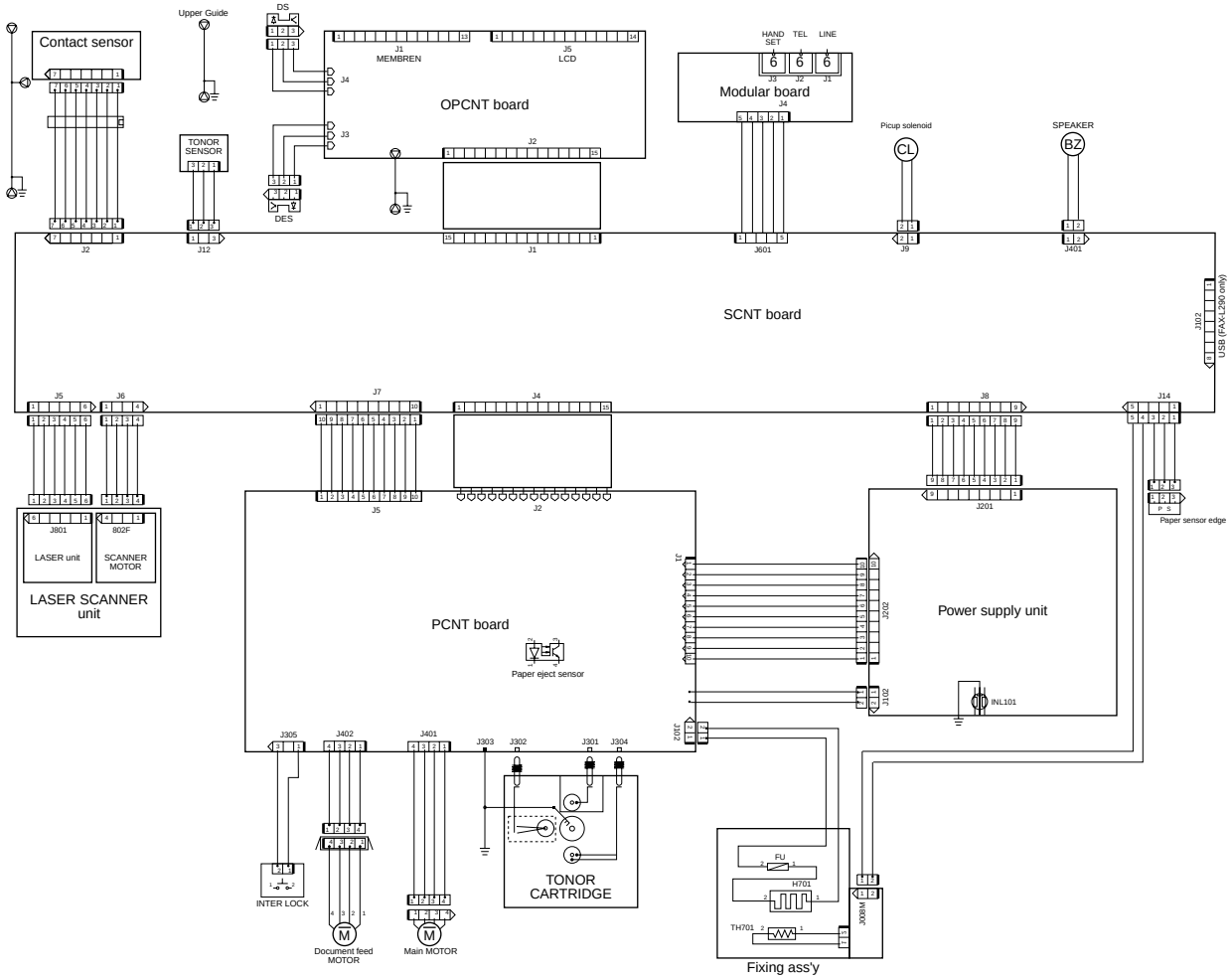
The following report may be generated in service mode:



ACTIVATION:	Use it to ON/OFF the function.
PRODUCT NUMBER:	Indicates the setting for PRODUCT NUMBER under #11 Remote CRG.
CUSTOMER ACCOUNT NUMBER:	Indicates the setting for CUSTOMER NUMBER under #11 Remote CRG.
ROM VERSION:	Indicates the version of the ROM.
FAX NUMBER:	Indicates the setting for UNIT TELEPHONE as part of user settings.
FAX NAME (G3):	Indicates the setting for UNIT NAME as part of user settings.
FAX NAME (G4):	None.
SERVER PHONE NUMBER:	Indicates the setting for SERVER PHONE NUMBER for #11 Remote CRG .
CRITERION:	Indicates the setting of PAGES for CRITERION under. PAGES: #11 Remote CRG DAYS: #11 Remote CRG

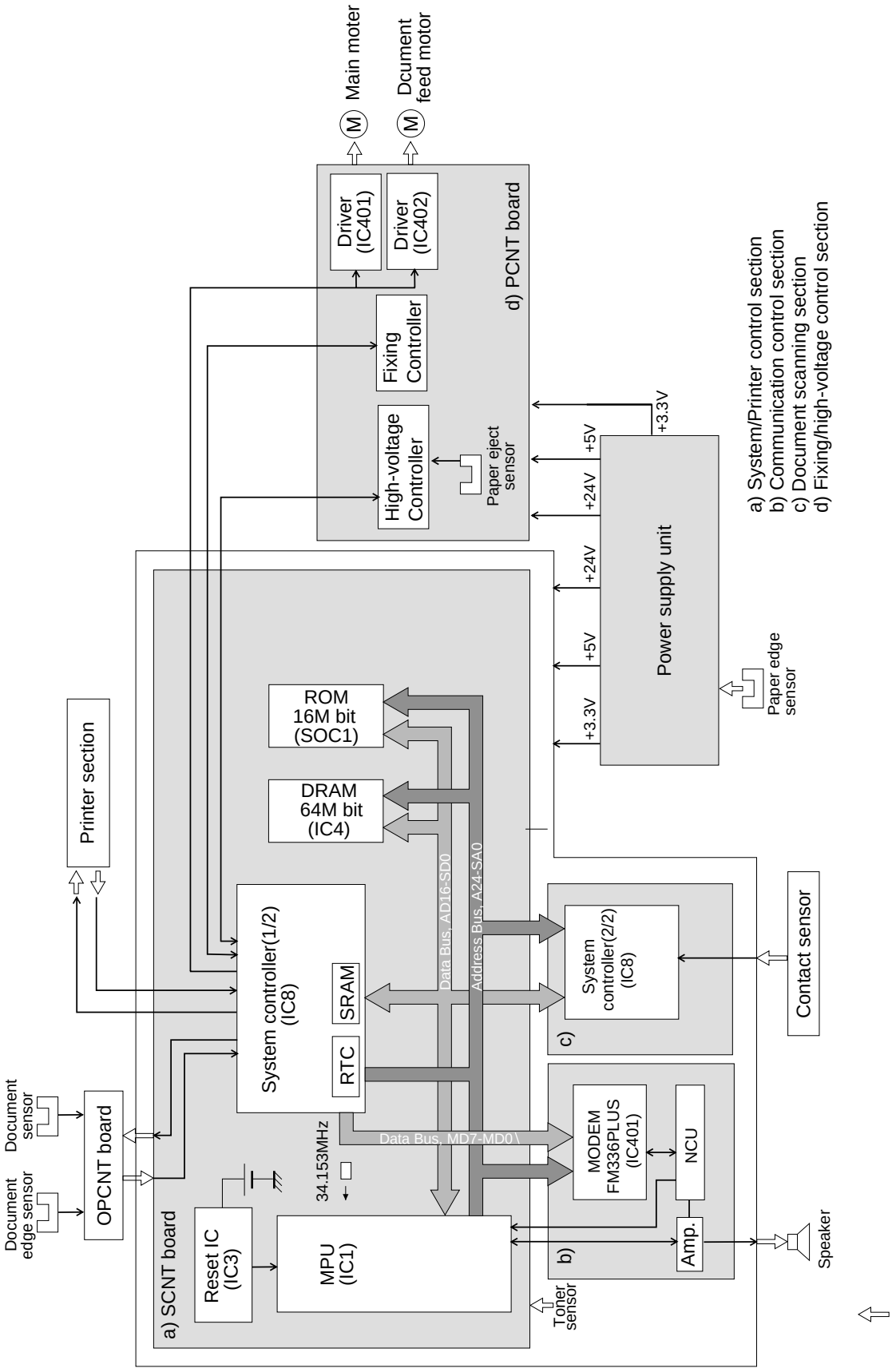
6. WIRING DIAGRAM

5.1 Wiring Diagram



7. ELECTRIC CIRCUIT

5.1 Component Block Diagram



7. Error codes and recovery methods

As for the descriptions of causes of and actions for error codes, only those items to which changes have been made because of the use of different connector numbers are indicated.

#001 [TX] Paper jam

Cause: The document jammed in the fax machine.

Solutions: Remove the document and transmit/copy again.

Cause: The document width size or thickness does not meet the standards.

Solutions: Use a copy machine to copy the document to LTR or other standard size

Cause: Internal structure defect.

Solutions:

(1) Check if the document sensor (DS) and document edge sensor (DES) are operating correctly using the methods given in this chapter,5.1.6 Faculty tests, Test mode [6] Faculty test, [3] Sensor tests.
(2) Check the actuators of the original sensor (DS) and the original edge sensor (DES) for disconnection.
(3) Check the document sensor (DS) and OPCNT board (J4) connections.
(4) Check the document edge sensor (DES) and OPCNT board (J3) connections.
(5) Check the SCNT board (J1) and OPCNT board (J2) connections.
(6) Make a copy,and make sure that the document read motor is operating corrctly.
(7) Check the document read motor and PCNT board (J402) connections.
(8) Check the SCNT board (J4) and PCNT board connections.
(9) Replace the document sensor (DS).
(10) Replace the document edge sensor (DES).
(11) Replace the OPCNT board.
(12) Replace the document read motor.
(13) Replace the SCNT board.
(14) Replace the PCNT board.

#003 [TX/RX] Copy page transmission time over

Cause: One page of the document was longer than 39.4 inches (1 meter) or transmission/copying took longer than the regulated time (32 minutes).

Solutions:
(1) Use a copy machine to copy the document onto serveral shorter page, then tranmit/copy.
(2) Raise the page timer value with Service Data #1 SSSW SW12.

Cause: Reception took longer than the regulated time (32 minutes).

Solutions:
(1) Have the other party split the document over multiple pages and receive it that way.
(2) Contact the other party and check the cause.
(3) Raise the page timer value with Service Data #1 SSSW SW12.

Cause: Internal structure defect.

Solutions:
(1) Check if the document sensor (DS) and document edge sensor (DES) are operating correctly using the methods given in this chapter,5.1.6 Faculty tests, Test mode [6] Faculty test, [3] Sensor tests.
(2) Check the document sensor (DS) and OPCNT board (J4) connections.
(3) Check the document edge sensor (DES) and OPCNT board (J3) connections.
(4) Check the SCNT board (J1) and OPCNT board (J2) connections.
(5) Make a copy,and make sure that the document read motor is operating corrctly.
(6) Check the document read motor and PCNT board (J402) connections.
(7) Check the SCNT board (J4) and PCNT board connections.
(8) Replace the document sensor (DS).
(9) Replace the document edge sensor (DES).
(10) Replace the OPCNT board.
(11) Replace the document read motor.
(12) Replace the SCNT board.
(13) Replace the PCNT board.

#009 [RX] Recording paper jam or out of paper

Cause: The recording paper jammed.

Solutions: Clear the recording paper jam.

Cause: There is no recording paper.

Solutions: Load recording paper.

Cause: Internal structure defect.

Solutions:
(1) Check the actuators of the recording paper edge sensor and the recording paper delivery sensor for damage and deformation.
(2) Check the connection of the main motor and the PCNT board (J401).
(3) Check the connection of the power unit (J205) and the recording paper sensor.
(4) Check the connection of the PCNT board and the SCNT board (J4); check the connection of the power unit (J202) and the PCNT board (J101); then, check the connection of the power supply unit (J201) and the SCNT board (J8).
(5) Replace the sensor.
(6) Replace the main motor.
(7) Replace the PCNT board.
(8) Replace the SCNT board.
(9) Replace the power supply unit.

##322 [RX] Fixing heater temperature abnormality

Cause: Internal unit defect.

Solutions:
(1) Check the connections between the fixing ass'y and the PCNT board (J102) and between the fixing ass'y and the SCNT board (J14).
(2) Check the connection between the PCNT board (J1) and the power supply unit (J202).
(3) Check the resistance between connector pins of the fixing ass'y.
J206-12 and J206-13: 436 to 301 kΩ (at 25°C)
J102-1 and J102-2: 25.1 to 28.8 Ω (at 25°C)
If either resistance is incorrect, replace the fixing ass'y.
(4) Replace the PCNT board.
(5) Replace the power supply unit.
(6) Replace the SCNT board.

##324 [RX] Printer section scanner motor rotation rate abnormal

Cause: Internal unit defect (Incorrect scanner motor speed)

Solutions:
(1) Check the connection between the LASER/scanner section (J802) and the SCNT board (J6).
(2) Replace the LASER/scanner section.
(3) Replace the SCNT board.

General errors

- **The unit does not turn on. (Evaluation criteria: Look at the actual unit.)**

  (1) Check the power cord connection.
  (2) Check the connection between the PCNT board (J1) and power supply unit (J202).
  (3) Check the connection between the SCNT board (J8) and power supply unit (J201).
  (4) Check the connection between the SCNT board (J4) and PCNT board.
  (5) Check the power supply unit's fuse (F101/F102).
  (6) Replace the power supply unit.

- **Abnormal display. (Applicable test mode: Operation panel test)**

  Nothing is displayed.

  (1) Check the connection between the OPCNT board (J2) and SCNT board (J1).
  (2) Check the connection between the LCD unit and OPCNT board (J5).
  (3) Replace the LCD unit.
  (4) Replace the OPCNT board.
  (5) Replace the SCNT board.

  Part of the LCD panel does not display anything.

  (1) Check for LCD problems with the test mode.
  (2) Check the connection between the OPCNT board (J2) and SCNT board (J1).
  (3) Check the connection between the LCD unit and OPCNT board (J5).
  (4) Replace the LCD unit.
  (5) Replace the OPCNT board.
  (6) Replace the SCNT board.

- **The buttons do not work. (Applicable test mode: Operation panel test)**

  (1) If the test mode can be used, check for faulty buttons.
  (2) Check the connection between the OPCNT board (J2) and SCNT board (J1).
  (3) Check the connection between the Membren sheet and OPCNT board (J1).
  (4) Replace the Membren sheet.
  (5) Replace the OPCNT board.
  (6) Replace the SCNT board.

- **No sound from the speaker**

  (1) Check the connection of the speaker and SCNT board (J401).
  (2) Replace the speaker.
  (3) Replace the SCNT board.

Printing problems

- **Faulty printing (Evaluation criteria: Test print is faulty.)**
  - **The paper is not fed correctly. (Evaluation criteria: Look at the actual unit.)**

The main motor does not run.

(1) Check the connection between the main motor and the PCNT board (J401).
(2) Check the main motor's resistance. 8.1 ~ 12.54 Ω/1 phase is normal. (Fig. 4-4)
(3) Replace the main motor.
(4) Replace the PCNT board.
(5) Replace the SCNT board.

The paper is not picked up from the auto sheet feeder.

(1) Check whether the recommended paper is used.
(2) Check whether more than 100 sheets of paper have been loaded in the auto sheet feeder.
(3) Check whether the paper has been loaded into the sheet feeder correctly.
(4) Check the connection between the paper pickup solenoid and the SCNT boatd (J9).
(5) Replace the paper pickup solenoid.
(6) Clean the separation pad.
(7) Replace the separation pad.
(8) Replace the separation pad spring or the lifting spring.
(9) Replace the SCNT board.

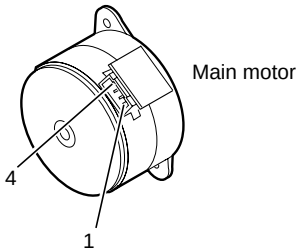
The paper skews.

(1) Check whether the recommended paper is used.
(2) Check whether more than 100 sheets of paper have been loaded in the sheet feeder.
(3) Check whether the paper has been loaded into the sheet feeder correctly.
(4) Check whether dust or paper debris have built up inside the auto sheet feeder.
(5) Check whether the paper pickup roller, or any other rollers, are damaged or scratched.

- **The printing operation is abnormal.**

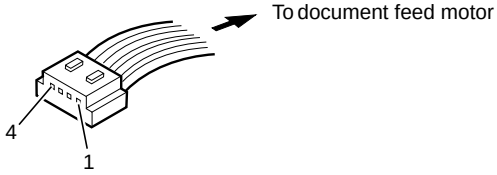
The unit indicates there is a paper jam when there is no paper jam.

(1) Check the connection from the paper edge sensor to the SCNT board (J214).
(2) Check whether the paper edge sensor and actuator and the paper eject sensor actuator are in their correct positions.
(3) In test mode check whether the paper edge sensor and the paper eject sensor are operating correctly.
(4) Replace the SCNT board.



Main motor connector

1-2 : 8.1~12.54Ω
3-4 : 8.1~12.54Ω



Document feed motor connector

1-2 : 13.95~25.68Ω
3-4 : 13.95~25.68Ω

Scanning problems

- **Faulty scanning (Evaluation criteria: Test print is good, but the copied image is poor.)**
  - **The document is not fed.**

The document feed motor does not run. (Evaluation criteria: Check it visually.)

(1) Check the connection between the document feed motor and the PCNT board (J402).
(2) Check the document feed motor's resistance. 13.95 ~ 25.68 W/1 phase is normal. (Fig. 4-4)
(3) Replace the document feed motor.
(4) Replace the PCNT board.
(5) Replace the SCNT board.

The document slips against the rollers. (Evaluation criteria: Check it visually. Stretched copy image.)

(1) See page 4-4 and clean the document reading section.
(2) Replace the reading section's rollers.

The document does not separate. (Evaluation criteria: Check it visually.)

(1) Check whether the document feed motor is driving all the rollers. (Check for any damaged gears or foreign matter stuck inside.)
(2) Check whether the document feed lever is set to manual document feed.
(3) See page 4-4 and clean the separation roller and separation guide.
(4) Replace the separation roller and separation guide.

The scanner unit's sensors are defective (Evaluation criteria: The placed document or transported document is not detected.)

(1) Check for any faulty sensors while executing the copying operation and test mode.
(2) Check the connection between the OPCNT board (J2) and the SCNT board (J1).
(3) Replace OPCNT board.
(4) Replace the SCNT board.

CHAPTER 2
CIRCUIT DIAGRAM

II. PRODUCT NO. LIST

This manual describes the component units of the following products.

UNIT NAME	DRAWING No.	PRODUCT No.				
		H12-2503 FAX-L240 (EC)	H12-2504 FAX-L240 (UK)	H12-2505 FAX-L240 (GER)	H12-2507 FAX-L240 (FRN)	H12-2513 FAX-L290 (EC)
SCNT BOARD ASS'Y	HG5-2966	HG5-2966	HG5-2966	HG5-2966	HG5-2966	----------
SCNT BOARD ASS'Y	HG5-2967	----------	----------	----------	----------	HG5-2967
PCNT BOARD ASS'Y	HG5-2968	HG5-2968	HG5-2968	HG5-2968	HG5-2968	HG5-2968
MODULAR BOARD ASS'Y	HG5-2969	HG5-2969	HG5-2969	HG5-2969	HG5-2969	HG5-2969
OPCNT BOARD ASS'Y	HG5-2970	HG5-2970	HG5-2970	HG5-2970	HG5-2970	HG5-2970
POWER SUPPLY UNIT	HH3-5389	HH3-5389	HH3-5389	HH3-5389	HH3-5389	HH3-5389

UNIT NAME	DRAWING No.	PRODUCT No.		
		H12-2514 FAX-L290 (UK)	H12-2515 FAX-L290 (GER)	H12-2517 FAX-L290 (FRN)
SCNT BOARD ASS'Y	HG5-2966	----------	----------	----------
SCNT BOARD ASS'Y	HG5-2967	HG5-2967	HG5-2967	HG5-2967
PCNT BOARD ASS'Y	HG5-2968	HG5-2968	HG5-2968	HG5-2968
MODULAR BOARD ASS'Y	HG5-2969	HG5-2969	HG5-2969	HG5-2969
OPCNT BOARD ASS'Y	HG5-2970	HG5-2970	HG5-2970	HG5-2970
POWER SUPPLY UNIT	HH3-5389	HH3-5389	HH3-5389	HH3-5389

CAUTION:The numbers attachment to the technical drawings in this manual are Design drawing numbers. In some cases the service part numbers and Design drawing numbers do not match.

CIRCUIT DIAGRAM FORMAT-A2.01

=MEMBREN=

=LCD=

CIS

TONOR SENSOR

DS

OPCNT

HANDSET TEL LINE

MJu

PIC_UP(ASF)

SPEAKER

FPC15 (FFC)

SCNT

=USB=

FPC15P (FFC)

PCNT

PSU

LASER SCANNERu

(CT/AMP) LASERu

SCANNER MOTOR

PO SENSOR

INTER LOCK

TONOR CARTRIDGE

HEATERu

READ MOTOR

WRITE MOTOR

SENSOR RESIST

=AC INPUT=

male

female

SOLDER

FFC CONNECTOR

ACCHAKU BOARDIN

ASSETSU BOARDIN

ACCHAKU CONNECTOR

ASSETSU CONNECTOR

Upper Guide

No.	REMARKS

DRAWING NAME WIRNING DIAGRAM

DRAWING No. H12-2503-A901

MODEL NAME	PART No.	REV.
FAX-L290	H12-2503	01
FAX-L290	H12-2504	01
FAX-L290	H12-2505	01
FAX-L290	H12-2507	01

CIRCUIT DIAGRAM FORMAT-A2.01

7 6 5 4 3 2 1

F E D C B A

=MEMBREN= KI06 KI05 KI04 KI03 KI02 KI01 KI00 PNL0 PNL1 PNL2 PNL3 PNL4 PNL5

=LCD= PNL8 PNL6 PNL4 PNL2 E R/W RS VO VDD GND

J1 J5

CIS

CIS: Vled Gled CLK SI CS5V GND AVOUT

CDR1

J2

TONOR SENSOR: GND TONOR +5V

J12

D5

J4: Vcc GND DS

J3: Vcc GND DES

DES

OPCNT

J2

FPC15 (FFC)

J1: +5V SOD KI0 CLK374 KI1 ECLK KI4 KI5 KI6 KI7 KI3 KI2 GND GND FUTA1

HANDSET TEL LINE

MJu J3 J2 J1

J4

PIC_UP(A5F)

J601: I2 L2 L1 R T1

CL

5V1 24U

J9

SPEAKER

BZ

J401

SCNT

J5: +5V CNT1 LON GND XVDD XBDI

J6: +24U ACC- DEC- RGND

J801 (CT/AMP) LASERu

B02F SCANNER MOTOR

HG5-5473

LASER SCANNERu

J7

J4

FPC15P (FFC)

J5: 5VS PRACC TRCRNT DVACC DVDCC PRDCC DOOR TRNEOT TRPWM DGND (WIRE) HG5-2974

J2: DGND RELAY FSRD WA- WA WB- WB RA- RA RB- RB RPWM POSENS- OVFLOW CST

PCNT

PO SENSOR

J8

J201: VISNS DGND +3.3V DGND +5V RGND +24V +24U PWRON

J14

SENSOR RESIST: GND FSRTH PISNS- GND 5VS

J202: GND +3.3V GND +5V RGND RGND +24V +24V +24U RGND

PSU

TB101-1 AC-H

TB101-2 AC-N

J102

INL101

=AC INPUT=

J305: +24U +24H

J402: RB0- RB0 RA0- RA0

J401: WA0- WA0 WB0- WB0

J303 J302 J301 J304

TONOR CARTRIDGE

FU H701 TH701

J009N J008N

HEATERu

INTER LOCK

READ MOTOR

WRITE MOTOR

male

female

SOLDER

FFC CONNECTOR

ACCHAKU BOARDIN

ASSETSU BOARDIN

ACCHAKU CONNECTOR

ASSETSU CONNECTOR

Upper Guide

No.	REMARKS

DRAWING NAME WIRNING DIAGRAM

DRAWING No. H12-2513-A901

MODEL NAME	PART No.	REV.
FAX-L240	H12-2513	01
FAX-L240	H12-2514	01
FAX-L240	H12-2515	01
FAX-L240	H12-2517	01

C9 0.1U.25V — P3.3V2

P3.3V2 — R16 47K.1/16W — R119 47K.1/16W

XDRQGC
XDRQUSB
XADCHG
DCSEL — R147 100.1/16W — C146 1000P.50V

SD0 SD1 SD2 SD3 SD4 SD5 SD6 SD7 SD8 SD9 SD10 SD11 SD12 SD13 SD14 SD15

add GND GUARD each 4 lines
SD[15:0]
SA[20:0]

SA0 SA1 SA2 SA3

JNT2 — P3.3V2 — +3.3V

DCLIM
XRSTUSB
XRSTMDM
XPINT
XDRQGN
XUSBINT
XRSTNMI

C2 470P.50V — C10 0.1U.25V — C25 0.1U.25V — C5 3300P.50V

XRST2

CPUCLKO1 — L5 BLM18BD102SN1 — R66 1K.1/16W

PRL R11 1K.1/16W
HDTD R12 1K.1/16W
HRL R13 1K.1/16W
CMLRL R41 1K.1/16W
NOR R19 1K.1/16W/NOTMNT
C1 R40 1K.1/16W/NOTMNT
P3.3V2

IC1
UPD703108GC-8EU

26	IP000	100	A2
27	XDAK1/PBD1	99	A3
28	XDK0/PBD0	98	A4 — SA4
29	IP011	97	A5 — SA5
30	IP010	96	A6 — SA6
31	IP110	95	A7 — SA7
32	NMI	94	VSS5
33	VDD2	93	VDD5 — C7 1000P.50V — P3.3V2
34	VSS2	92	A8 — SA8
35	MODE1	91	A9 — SA9
36	MODE0	90	A10 — SA10
37	XRST	89	A11 — SA11
38	CKSEL	88	A12 — SA12
39	CVDD	87	A13 — SA13
40	X2	86	A14 — SA14
41	X1	85	A15 — SA15
42	CVSS	84	VSS4 — C6 1000P.50V
43	XSCK1	83	VDD4
44	RXD1	82	A16 — SA16
45	TXD1	81	A17 — SA17
46	XSCKO	80	A18 — SA18
47	RXDO	79	A19 — SA19
48	TXDO	78	A20 — SA20
49	AVDD	77	A21 — BA0
50	AVSS	76	A22 — BA1

ANI3 ANI2 ANI1 ANI0 VDD3 VSS3 XREFRD XHLDRQ XHLDAK CLKOUT XWAIT XWE XRD XUWR XLWR XCS7 XCS4 XCS3 XCS0 XSDRAS XSDCAS SDCLK SDCKE A24 A23

POSNS
CASSETTE
OVRFLOW
PRADIN
VTSNS

C1 0.1U.25V — C22 100P.50V — C31 0.1U.25V — R146 0.1A — R17 47K.1/16W

R10 1K.1/16W — RRL — SDCKE
R9 BK1608HM121 — SDCLK
R8 100.1/16W — XSDCAS
R7 100.1/16W — XSDRAS
R6 100.1/16W — XSDWE
R18 100.1/16W — XSDCS
R4 100.1/16W — XMWRL1
R145 33.1/16W — XMWRL2
R5 100.1/16W — XMWRH
L4 BLM18BD102SN1 — R14 100.1/16W — XMRD

R1 10K.1/16W — XCSROM
R2 10K.1/16W — XCSRAM
R3 10K.1/16W — XCSGA

DCSEL Q610 DTC143ZKA/NOTMNT — DCSEL
DCLIM Q609 DTC143ZKA — DCLIM
NOR Q608 DTC143ZKA/NOTMNT — NOR
C1 Q607 DTC143ZKA/NOTMNT — C1
HDTD Q606 DTC143ZKA — HDTD
CMLRL Q605 DTC143ZKA — CMLRL
HRL Q604 DTC143ZKA — HRL
PRL Q602 DTC143ZKA — PRL
RRL Q601 DTC143ZKA/NOTMNT — RRL

No.	REMARKS	DRAWING NAME SCNT board	
		DRAWING No. HG5-2966-A501	
		MODEL NAME	PART No. / REV.
		FAX-L240	HG5-2966 / 01

SD[15:0]

SA[20:1]

IC4

M2V64S40DTP-7L

VBB

C11 0.1U.25V

C12 0.1U.25V

C13 0.1U.25V

C14 0.1U.25V

C15 0.1U.25V

C16 0.1U.25V

XMWRL1
XSDWE
XSDCAS
XSDRAS
XSDCS
BA0
BA1

R93 10K.1/16W
R86 10K.1/16W
R87 10K.1/16W
R15 10K.1/16W
R102 10K.1/16W

SD0 SD1 SD2 SD3 SD4 SD5 SD6 SD7

SA11 SA1 SA2 SA3 SA4

SD15 SD14 SD13 SD12 SD11 SD10 SD9 SD8

SA12 SA10 SA9 SA8 SA7 SA6 SA5

XMWRH
SDCLK

R100 10K.1/16W
R101 10K.1/16W
R103 10K.1/16W/NOTMNT

+3.3V

SOC1

IC2

MR27V16520D-XXRA/HH4-3681

DILB42P-8J

SA19 SA18 SA8 SA7 SA6 SA5 SA4 SA3 SA2 SA1

XCSAOMO
XMAD

SD0 SD8 SD1 SD9 SD2 SD10 SD3 SD11

SA20 SA9 SA10 SA11 SA12 SA13 SA14 SA15 SA16 SA17

SD15 SD7 SD14 SD6 SD13 SD5 SD12 SD4

C21 0.1U.25V

C20 0.1U.25V

+3.3V

IC3

PST594JMT

C23 0.1U.25V

R105 0.1A

R104 0.1A/NOTMNT

+5V

R25 1K.1/16W

R24 0.1A

XRSTNMI

XRST2

R23 10K.1/16W

Q3 DTC143ZKA

R210 1K.1/16W

XWDGOUT

C210 3300P.50V

C24 3300P.50V

R26 2.7K.1/16W/NOTMNT

R27 0.1A

R32 47K.1/16W/NOTMNT

C64 0.1U.25V/NOTMNT

Q10 2SK2033/NOTMNT

SDCKEO

IC5 S-8321AGMP-DNG-T2/NOTMNT

D2 HRW0203A/NOTMNT

D7 HRW0203A/NOTMNT

D1 HRW0203A/NOTMNT

L1 LHL08391K/NOTMNT

R20 300.1/16W/NOTMNT

R21 750.1/16W/NOTMNT

R22 1K.1/16W/NOTMNT

R28 0.1A

C4 4.7.2.5V/NOTMNT

C8 22U.16V/NOTMNT

C17 22U.16V/NOTMNT

No.	REMARKS

DRAWING NAME SCNT board

DRAWING No. HG5-2966-A502

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

PSU

PWRON

J8

+24U

+24V

IC6 UA78L12ACLP

+12V

C494 10U.50V

JNT3

C26 47U.35V

C30 47U.35V

R124 390.1/8W/NOTMNT

+5V

+3.3V

C36 47U.35V

VTSNS

R201 430.1/4W

R202 430.1/4W

R209 430.1/4W

CS

J2

C55V

JNT7

Q200 DTD123YK

LEDON

+3.3V

D5 1SS270A

AVOUT

GND GUARD

C205 33P.50V

C204 47U.35V

C213 470P.50V

IC9 SN74AHCT08DGVR

R29 100.1/16W

C206 2200P.50V

R30 100.1/16W

XCSSH

XCSCLK

+3.3V

R125 10K.1/16W

C66 0.1U.25V

C65 47U.35V

R126 2.7K.1/16W

Q4 2SA1235AE

R37 0.1A/NOTMNT

5VS

C67 0.1U.25V

PWRON

Q5 DTC143ZKA

CS5V

JNT6

J6

XDEC R39 100.1/16W

XACC R38 100.1/16W

D3 1SS270A

J9

R89 4.7K.1/16W

Q1 2SD2088

D4 1SS270A/NOTMNT

J10

APUD

CPUD

R88 4.7K.1/16W/NOTMNT

Q2 2SD2088/NOTMNT

J11

R90 330.1/16W/NOTMNT

CASSETTEG

CASSETTE

R92 1K.1/16W

R91 24K.1/16W

R94 330.1/16W/NOTMNT

R95 24K.1/16W

R96 1K.1/16W

ASF

J13

PCNT

J4

R80 100.1/16W RELAY2

R42 100.1/16W/NOTMNT RELAY1

R53 100.1/16W FSRD

R62 100.1/16W XWA

R63 100.1/16W WA

R54 100.1/16W XWB

R55 100.1/16W WB

R56 100.1/16W XRA

R60 100.1/16W RA

R61 100.1/16W XRB

R57 100.1/16W RB

IC9 SN74AHCT08DGVR

R64 100.1/16W PWRON

R58 POSNS

RPWM

XPISNS R98 1K.1/16W

R99 24K.1/16W

R116 10K.1/16W

+3.3V

J14

R97 330.1/16W 5VS

FSRTH R118 1K.1/16W

C62 0.1U.25V

J7

R67 0.1A PRACC

R68 100.1/16W TRCRNT

R69 0.1A DVACC

R74 0.1A DVDCC

R75 0.1A PRDCC

R76 100.1/16W DOOR

R77

PANEL

J1

J3 1-175487-5/NOTMNT

+5V

C40 0.1U.25V

ZD5 HZU5.6B/NOTMNT

RA2 100.0.063W

RS

ECLK

CLK374

IC9 SN74AHCT08DGVR

SOO

RA15 47K.0.063W

RA16 47K.0.063W

R79 47K.1/16W

KI[7:0]

KI0

KI1

KI2

KI3

KI4

KI5

KI6

KI7

FUTA

R45 10K.1/16W

LASER U.

J5

J12

D6 1SS270A

TONOR

C47 0.1U.25V

CNT1 R35 100.1/16W

GND GUARD

XVDO R36 47.1/16W

L12 BLM18BD102SN1

C45 10P.50V

C43 100P.50V

C18 10U.50V/NOTMNT

LON R49 100.1/16W

XBDI R48 33K.1/16W

R46 2.2K.1/16W

R47 8.2K.1/16W

C28 470P.50V

C27 1000P.50V

No.	REMARKS	DRAWING NAME SCNT board
		DRAWING No.

IC8

HG73C123

No.	REMARKS

DRAWING NAME	SCNT board
DRAWING No.	HG5-2966-A504

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

XAKUSB
XDRQUSB
XRSTUSB
XUSBCS
XMWRL2
XMRD
XUSBINT

C113 1000P.50V/NOTMNT
R117 47K.1/16W/NOTMNT
R121 0.1A/NOTMNT
R122 47K.1/16W/NOTMNT
USB3.3V
C118 2.2U.15V/NOTMNT
C116 2.2U.15V/NOTMNT
C112 1000P.50V/NOTMNT
JNT10
+3.3V
SD[15:0]

J102 DUSB-BRA42-T11/NOTMNT
J15 175390-4/NOTMNT
GND
D-
D+
VBUS
FG
*PIN5-8=CASE

C121 22P.50V/NOTMNT
C110 1000P.50V/NOTMNT
R113 27.1/16W/NOTMNT
R114 27.1/16W/NOTMNT
C120 22P.50V/NOTMNT
R115 1.5K.1/16W/NOTMNT
L111 BLM18BD102SN1/NOTMNT
L110 BLM18BD102SN1/NOTMNT
L112 BLM18BD102SN1/NOTMNT
C114 1U.15V/NOTMNT

IC101 M66290A/NOTMNT
VCC1 GND1 D- D+ VBUS TRON TEST1 XTAST TCK TMS TDI TDO
XDACK XDREQ XRST XCS XWR XRD XINT TEST2 D15 D14 D13 D12
XOUT XIN GND2 VCC2 A1 A2 A3 A4 A5 A6 D0 D1
GND3 VCC3 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2

R106 47K.1/16W/NOTMNT
R107 47K.1/16W/NOTMNT
R120 47K.1/16W/NOTMNT
R110 1MA.1/16W/NOTMNT
R111 0.1A/NOTMNT
X101 CSTCW48M0X11016/NOTMNT
L113 VV1-B000000/NOTMNT
C117 2.2U.15V/NOTMNT
C111 1000P.50V/NOTMNT

R141 0.1A/NOTMNT
R142 0.1A

SA[6:1]
SD11 SD10 SD9 SD8 SD7 SD6 SD5 SD4 SD3 SD2
SD0 SD1

No.	REMARKS

DRAWING NAME SCNT board
DRAWING No. HG5-2966-A505

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

SD[7:0]
RA20 100.0.063W
RA19 100.0.063W
MD3 MD2 MD1 MD0 MD7 MD6 MD5 MD4
MD[7:0]
MSA[5:1]
SA[5:1]
RA4 8 MSA2 7 MSA3 6 MSA4 5 MSA5 100.0.063W
R70 100.1/16W MSA1
SA2 SA3 SA4 SA5 SA1

JNT401 +5V
P5V21
5MAVD

P3.3V1
C469 1U.15V
C467 0.1U.25V
C481 22P.50V
X401 AT-49 28.224MHZ
C480 18P.50V
R480 270.1/16W
C466 0.1U.25V
C470 270P.50V
GND GUARD
RDCLK

IC401 FM336PLUS

1	RESERVED1	100	PLL_GND
2	RS2	99	VSS5
3	RS3	98	PLL_VDD
4	RS4	97	MSA2
5	CS	96	MSA1
6	WR	95	D7
7	RD	94	D6
8	RDCLK	93	D5
9	RLSD	92	VDD6
10	TDCLK	91	D4
11	TXD	90	D3
12	CTS	89	D2
13	VDD1	88	D1
14	RESEREVD2	87	D0
15	RESERVED3	86	XTALO
16	VSS1	85	XTALI/CLKIN
17	NC1	84	VDD5
18	RESET	83	RESERVED14
19	SR4OUT	82	RESERVED13
20	NC2	81	GPO0
21	SR4IN	80	VSS4
22	CLKOUT	79	IRQ
23	EYESYNC	78	RIS
24	EYECLK	77	RINGD
25	MAVSS1	76	RI
26	MAVDD	75	DSR
27	SPKR	74	EYEXY
28	TXA2	73	XCLK
29	TXA1	72	YCLK
30	VREF	71	VGG
31	VC	70	IA_SLEEP
32	RIN	69	VDD4
33	MAVSS2	68	DTR
34	POR	67	RXD
35	RESERVED4	66	RESERVED12
36	RESERVED5	65	VSS3
37	TALK	64	XTCLK
38	VDDIA1	63	VDD3
39	RESERVED6	62	VCORE
40	RESERVED7	61	SR1IO
41	NC3	60	NC6
42	H_CNTRL_SIN	59	RESERVED11
43	H_CLKIN	58	RESERVED10
44	H_TXSIN	57	VDD2
45	H_SCK	56	SLEEP
46	H_RXOUT	55	NC5
47	H_STROBE	54	NC4
48	RESERVED8	53	VSS2
49	OH	52	VSUB
50	VDDIA2	51	RESERVED9

XCSMDM R71 100.1/16W
XMWRL1 R72 100.1/16W
XMRD R73 100.1/16W
MSA3 MSA4 MSA5
RDCLK

R450 10K.1/16W
R451 10K.1/16W
C450 0.1U.25V
C451 1000P.50V
XRSTMDM
SR4OUT MRXOUT MCLKOUT L454 MSTRB MSCK
GND GUARD
5MAVD L451 LHL06TB101K
P5VA BK1608HM121
C452 10U.50V
C453 0.1U.25V
ETH402 ETH4

GND GUARD TXA2 TXA1
C455 1U.15V
C456 1U.15V
C457 0.1U.15V
C458 0.1U.15V
GND GUARD

GND GUARD RIN
XRSTMDM
C459 0.1U.25V
P5V21
GND GUARD
SR1IO MCLKOUT SR4OUT MSCK MRXOUT MSTRB

R457 10K.1/16W
R456 10K.1/16W
C464 0.1U.25V
C465 0.1U.25V
P5V21
GND GUARD SR1IO
C463 0.1U.25V
C461 0.1U.25V
ETH2
C460 0.1U.25V
P5V21
P3.3V1
JNT1 +3.3V

+3.3V
R455 10K.1/16W
TO SPEAKER
IC406 NJM2113M
SPSTP
1U.16V C424
C423 0.1U.15V
KTONE R423 47K.1/16W
MONOUT C422 0.1U.15V
C429 47U.35V
J401 +5V
R420 2.7K.1/16W MONI1
R422 18K.1/16W
R421 10K.1/16W MONI2

No.	REMARKS

DRAWING NAME SCNT board
DRAWING No. HG5-2966-A506

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

CIRCUIT DIAGRAM

IC681
HH7-2528
THS-65/NOTMNT

D681 1SS270A/NOTMNT
D682 1SS270A/NOTMNT
HOOK3
ANIN
C683 0.1U.25V/NOTMNT
+5V

J6-01
L1
L2
R
T1
T2

AR601 DSSA-P3100SARP
AR602 RA-122P-C6
FG

R684 5.6.1/4W/NOTMNT
C682 330.25V/NOTMNT
VZ681 VR61F1/NOTMNT
JP651 VV1-8000000

RL601 TXD2-2M-5-1
D601 1SS270A
CMLRL

L621 RX-8P
L622 RX-8P
C622 0.056U.50V
C623 0.033U.50V
VZ621 ENE121D-07A/NOTMNT

ZD621 HZS12A2/NOTMNT
DA621 S1ZB60
Q621 2SD2217
R621 360.1W
R622 360.1W
R623 360.1W
ZD622 HZ57C1L
R627 330.1/16W
PC621 TLP222G
R625 13K.1/4W
C621 1U.50V
R624 56K.1/4W
R626 200K.1/4W/NOTMNT
R628 330.1/16W/NOTMNT
PC622 PS2561L1-1-DW/NOTMNT
DCLIM
DCSEL

+3.3V
R609 330.1/16W/NOTMNT
DA602 S1ZB60/NOTMNT
PC605 TLP627/NOTMNT
RRL
DA601 S1ZB60
VZ602 VR61F1/NOTMNT
R608 330.1/16W
RL603
PAL
TLP224G(CANO1)
HOTO
R610 330.1/16W
RL604

C624 3.3U.100V
C625 0.033U.200V
T621 Y01025/HH7-2680
VREF
ZD623 HZS12A2
C626 2200P.50V
TXRX1
TXRX2
C627 2200P.50V
ZD624 HZS12A2

C602 0.01U.250V
T601 Y01027/HH7-2681
ANIN
ZD603 HZS12A2

+24V
RL602 EC2-24ND
D602 1SS270A
HAL
VZ603 VR61F1/NOTMNT
R611 2K.1/16W
PC604 PS2565-1-K
HOOK1
C687 1000P.50V/NOTMNT

C603 22U.35V
R605 150.1/10W
VZ601 VR61F1
R606 0.2A
R607 1KA.1/16W
PC603 PS2565-1-K
C686 1000P.50V/NOTMNT

CIDET1
CIDET2
C601 1U.250V
C681 1U.250V/NOTMNT
DA681 S1ZB60/NOTMNT
PC681 TLP222G/NOTMNT
R681 330.1/16W/NOTMNT
C1

R601 33K.1/4W
R602 33K.1W
PC601 PS2561L1-1-DW
PC602 PS2561L1-1-DW
ZD601 HZ11CP
ZD602 HZ11CP
R603 470K.1/16W
R604 470K.1/16W
C11
C12
C684 1000P.50V/NOTMNT
C685 1000P.50V/NOTMNT

R612 560.2W/NOTMNT
J602 53324-0210/NOTMNT
(-) (+)

DA682 S1ZB60/NOTMNT
R682 13K.1/4W/NOTMNT
R683 330.1/16W/NOTMNT
PC682 TLP222G/NOTMNT
NOR

No.	REMARKS	DRAWING NAME SCNT board	
		DRAWING No. HG5-2966-A507	
		MODEL NAME	PART No. / REV.
		FAX-L240	HG5-2966 / 01

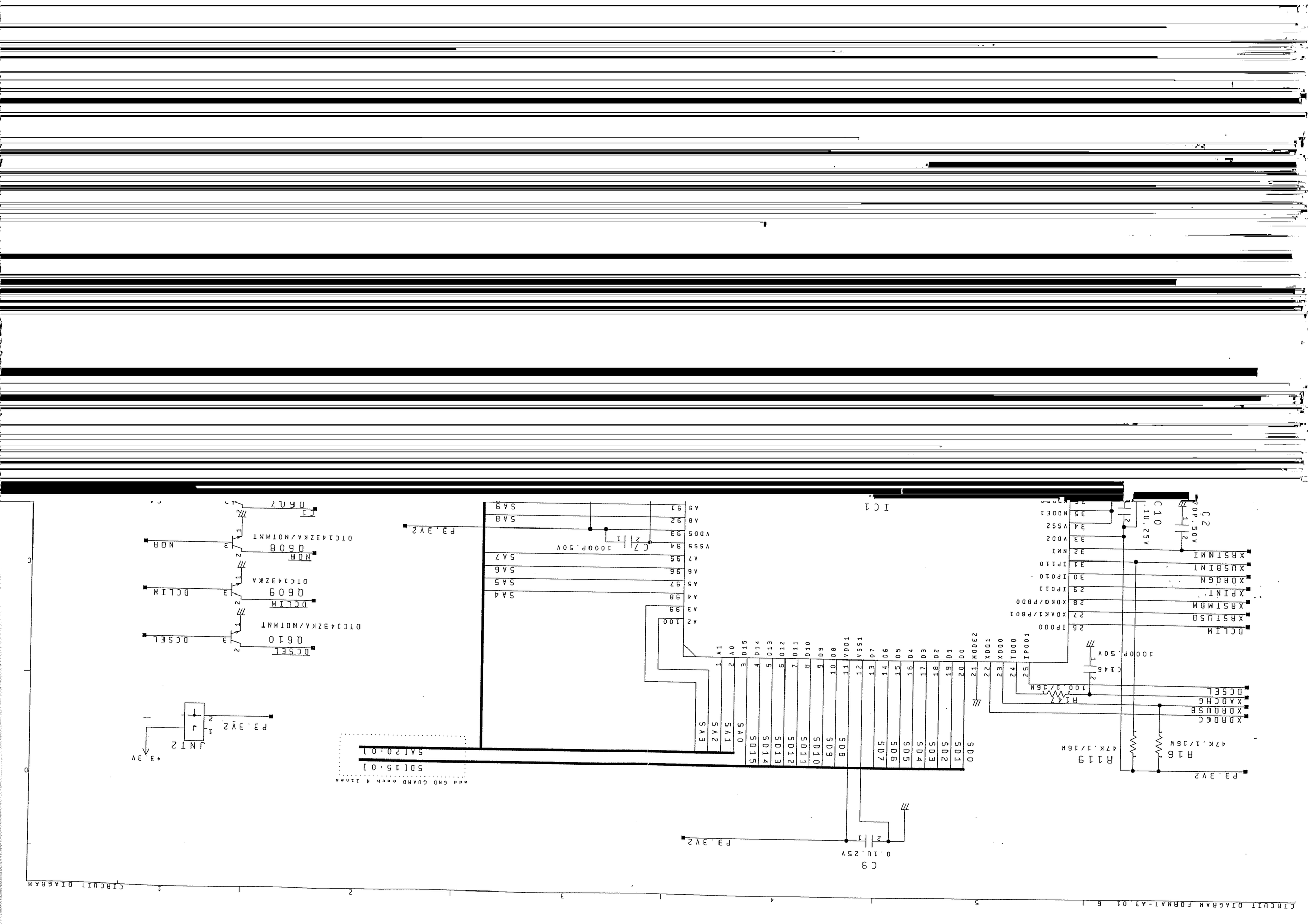
8-2002_13:19

ETH3
JNT403
IC531 4066 VCC GND C548 0.1U.25V
+12V
P5VA
D8 1SS270A
RIN
R676 24K.1/16W
JP652 0.1A
C674 0.1U.25V
R675 10K.1/16W
ANIN
IC654 NJM2904M
R677
R678 100K.1/16W/NOTMNT
IC654 NJM2904M
C663 1000P.50V/NOTMNT
R679 0.1A
JP653 0.1A/NOTMNT
VREF
R533 68.1K.1/16W
C532 470P.50V
C533 0.1U.15V
IC403 NJM4558M
5VREF
C531 0.1U.15V
CMLAL
Q531 DTC143ZKA
R536 10K.1/16W
R537 10K.1/16W
CH0
CH1
IC531 4066
IC531 4066
IC531 4066
R531 174K.1/16W
R532 270K.1/16W
AIN
D551 1SS270A
+3.3V
C551 0.1U.25V
R6.8K.1/16W
R551
MONI
Q651 2SK3320
TXAX1
TXAX2
C671 0.1U.25V
IC651 NJM4558M
R658 10K.1/16W
R660 10K.1/16W
R661 7.32K.1/16W
R662 10K.1/16W
C653 3300P.50V
IC651 NJM4558M
R663 10K.1/16W
C654 2200P.50V
C655 4700P.50V
R664 14.7K.1/16W
C656 1000P.50V
R665 14.7K.1/16W
IC653 NJM4558M
C657 4700P.50V
R666 14.7K.1/16W
C658 1000P.50V
R667 14.7K.1/16W
C673 0.1U.25V
IC653 NJM4558M
Q652 2SK3320
R652 0.1A
R653 750.1/16W
C651 0.047U.50V
C652 2.2U.16V
R651 604.1/16W
R659 10K.1/16W
R672 14K.1/16W
C672 0.1U.25V
R671 10K.1/16W
IC652 NJM4558M
R543 44.2K.1/16WD
C543 1000P.50V/NOTMNT
IC403 NJM4558M
C547 0.1U.25V
R542 44.2K.1/16WD
C542 0.1U.15V
TXA2
R541 44.2K.1/16WD
C541 0.1U.15V
TXA1
R544 44.2K.1/16WD
R654 10K.1/16W
R655 470K.1/16W
R656 10K.1/16W
R657 470K.1/16W
IC531 4066
IPSEL1
Q654 DTC143ZKA
R673 10K.1/16W
R674 10K.1/16W
C661 0.1U.25V
IC652 NJM4558M
C662 1000P.50V
ZD651 HZS12A2
VREF

No.	REMARKS

DRAWING NAME SCNT board
DRAWING No. HG5-2966-A508

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01


CIRCUIT DIAGRAM FORMAT-A3.01
CIRCUIT DIAGRAM
IC1
C10
.1U.25V
C2
20P.50V
C7
10000P.50V
C9
0.1U.25V
C146
10000P.50V
R147
100.1/16W
R119
47K.1/16W
R16
47K.1/16W
P3.3V2
SA0
SA1
SA2
SA3
SA4
SA5
SA6
SA7
SA8
SA9
SA[20:0]
SD[15:0]
add GND GUARD each 4 lines
SD0
SD1
SD2
SD3
SD4
SD5
SD6
SD7
SD8
SD9
SD10
SD11
SD12
SD13
SD14
SD15
MODE2
XDQ1
XDQ0
TDQ0
IPQ1
IPQ0
XDCLIM
XRSTUSB
XRSTDM
XPINT
XDRQGN
XUSBINT
XRSTNMI
DCLIM
XDRQSB
XADCHG
DCSEL
Q610
Q609
Q608
Q607
NOR
DTC143ZKA/NOTMNT
JNT2
+3.3V

CIRCUIT DIAGRAM

SD[15:0]

SA[20:1]

IC4

M2V64S40DTP-7L

VBB

C11 0.1U.25V

C12 0.1U.25V

C13 0.1U.25V

C14 0.1U.25V

C16 0.1U.25V

C15 0.1U.25V

XMWRL1
XSDWE
XSDCAS
XSDRAS
XSDCS
BA0
BA1

R93 10K.1/16W
R86 10K.1/16W
R102 10K.1/16W
R87 10K.1/16W
R15 10K.1/16W

XMWRH
SDCLK

R100 10K.1/16W
R103 10K.1/16W/NOTMNT
R101 10K.1/16W

XCSROMO
XMRD

+3.3V

SOC1

IC2

MR27V1652D-XXRA/HH4-3681

DILB42P-8J

SA19 SA18 SA8 SA7 SA6 SA5 SA4 SA3 SA2 SA1

SA20 SA9 SA10 SA11 SA12 SA13 SA14 SA15 SA16 SA17

SD0 SD8 SD1 SD9 SD2 SD10 SD3 SD11

SD15 SD7 SD14 SD6 SD13 SD5 SD12 SD4

C21 0.1U.25V

C20 0.1U.25V

+3.3V+5V

IC3

PST594JMT

C23 0.1U.25V

R105 0.1A

R104 0.1A/NOTMNT

R25 1K.1/16W

R23 10K.1/16W

C24 3300P.50V

Q3 DTC143ZKA

R210 1K.1/16W

C210 3300P.50V

XRSTNMI

R24 0.1A

XRST2

XWDGOUT

R26 2.7K.1/16W/NOTMNT

R27 0.1A

R32 47K.1/16W/NOTMNT

Q10 2SK2033/NOTMNT

C64 0.1U.25V/NOTMNT

SDCKEO

D2 HRW0203A/NOTMNT

R20 300.1/16W/NOTMNT

R21 750.1/16W/NOTMNT

C4 4.7.2.5V/NOTMNT

L1 LHL08391K/NOTMNT

C8 22U.16V/NOTMNT

D1 HRW0203A/NOTMNT

C17 22U.16V/NOTMNT

IC5 S-8321AGMP-DNG-T2/NOTMNT

ON/XOFF CONT VOUT NC VSS

R22 1K.1/16W/NOTMNT

R28 0.1A

D7 HRW0203A/NOTMNT

No.	REMARKS	DRAWING NAME	SCNT board
		DRAWING No.	HG5-2967-A502
		MODEL NAME	PART No. / REV.
		FAX-L290	HG5-2967 / 01

CIRCUIT DIAGRAM FORMAT-A3.01

CIRCUIT DIAGRAM

PSU

PWRON

+24U

+24V

+12V

UA78L12ACLP

IC6

C494 10U.50V

C26 47U.35V

C30 47U.35V

C36 47U.35V

R124 390.1/8W/NOTMNT

+5V

+3.3V

VTSNS

JNT3

JNT6

CS5V

CS

J2

R201 430.1/4W

R202 430.1/4W

R209 430.1/4W

JNT7

Q200 DTD123YK

LEDON

C204 47U.35V

C213 470P.50V

D5 1SS270A

AVOUT

C205 33P.50V

GND GUARD

J8

J6

XDEC

XACC

R39 100.1/16W

R38 100.1/16W

D3 1SS270A

J9

R89 4.7K.1/16W

Q1 2SD2088

D4 1SS270A/NOTMNT

J10

APUD

CPUD

R88 4.7K.1/16W/NOTMNT

Q2 2SD2088/NOTMNT

C66 0.1U.25V

C65 47U.35V

R125 10K.1/16W

R126 2.7K.1/16W

Q4 2SA1235AE

R37 0.1A/NOTMNT

5VS

C67 0.1U.25V

Q5 DTC143ZKA

CASSETTE

J11

R90 330.1/16W/NOTMNT

CASSETTEG

R91 24K.1/16W

R92 1K.1/16W

J13

R94 330.1/16W/NOTMNT

R95 24K.1/16W

R96 1K.1/16W

ASF

J4

PCNT

R80 100.1/16W RELAY2

R42 100.1/16W/NOTMNT RELAY1

R53 100.1/16W FSRD

R62 100.1/16W XWA

R63 100.1/16W WA

R54 100.1/16W XWB

R55 100.1/16W WB

R56 100.1/16W XRA

R60 100.1/16W RA

R61 100.1/16W XRB

R57 100.1/16W RB

IC9 SN74AHCT08DGVR

R29 100.1/16W XCSSH

C206 2200P.50V

R30 100.1/16W

L13 BLM18BD102SN1

IC9 SN74AHCT08DGVR

XCSCLK

+3.3V

C212 100P.50V

R64 100.1/16W PWRON

APWM

R58 POSNS

R59 OVRFLOW

R65 100.1/16W/NOTMNT CASSETTEG

R98 1K.1/16W XPISNS

R99 24K.1/16W

R116 10K.1/16W

J14 R97 330.1/16W 5VS

R118 1K.1/16W FSATH

C62 0.1U.25V

J7

R67 0.1A PRACC

R68 100.1/16W TRCANT

R69 0.1A DVACC

R74 0.1A DVDCC

R75 0.1A PRDCC

R76 100.1/16W DOOR

R77 100.1/16W TRNFOT

R78 100.1/16W TRPWM

PANEL

J1

J3 1-175487-5/NOTMNT

C40 0.1U.25V

ZD5 HZU5.6B/NOTMNT

D6 1SS270A

TONOR

J12

C47 0.1U.25V

RA2 100.0.063W

RS

ECLK

CLK374

IC9 SN74AHCT08DGVR

SOD

RA15 47K.0.063W

RA16 47K.0.063W

R79 47K.1/16W

KI0

KI1

KI2

KI3

KI4

KI5

KI6

KI7

KI[7:0]

FUTA

R45 10K.1/16W

IC9 SN74AHCT08DGVR

C33 1000P.50V

LASER U.

J5

CNT1

R35 100.1/16W

GND GUARD

XVDO

R36

L12 BLM18BD102SN1 47.1/16W

C45 10P.50V

C43 100P.50V

C18 10U.50V/NOTMNT

LON

XBDI

R49 100.1/16W

R48 33K.1/16W

R46 2.2K.1/16W

C28 470P.50V

R47 8.2K.1/16W

C27 1000P.50V

No.	REMARKS

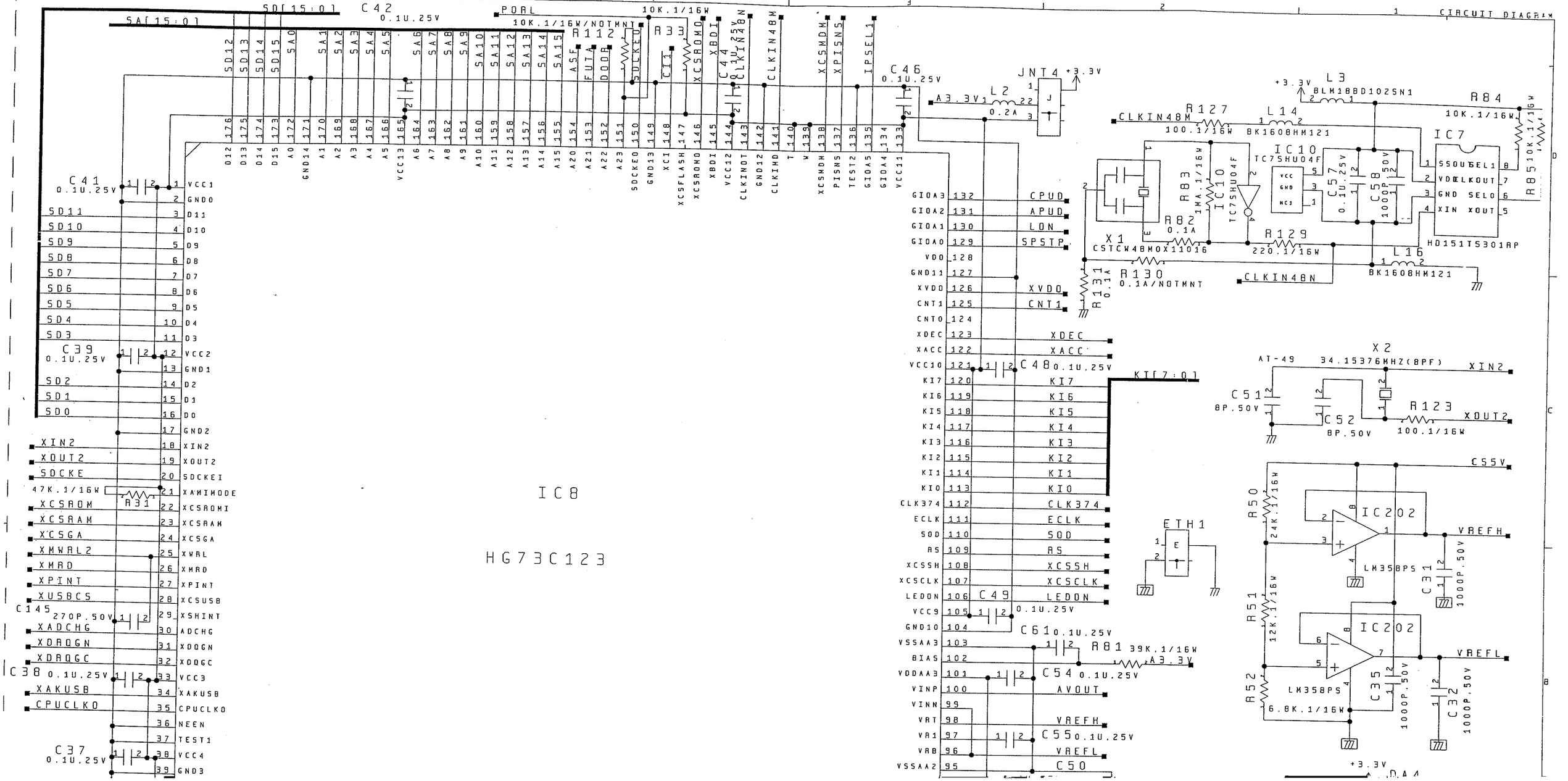
DRAWING NAME SCNT board

DRAWING No. HG5-2967-A503

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

IC8

HG73C123



XAKUSB
XDRQUSB
XRSTUSB
XUSBCS
XMWRL2
XMRD
XUSBINT

C113
1000P.50V/NOTMNT

R117
47K.1/16W

R121
0.1A/NOTMNT

R122
47K.1/16W/NOTMNT

SD[15:0]

USB3.3V

C118
2.2U.15V

C110
1000P.50V

C116
2.2U.15V

+3.3V

JNT10

J102
DUSB-BRA42-T11

J15
175390-4/NOTMNT

GND
D-
D+
VBUS
FG

R113
27.1/16W

R114
27.1/16W

R115
1.5K.1/16W

C121
22P.50V

C120
22P.50V

L111
BLM18BD102SN1

L110
BLM18BD102SN1

L112
BLM18BD102SN1

C114
1U.15V

IC101
M66290A

VCC1
GND1
D-
D+
VBUS
TRON
TEST1
XTRST
TCK
TMS
TDI
TDO

XDACK
XDREQ
XRST
XCS
XWR
XRD
XINT
TEST2
D15
D14
D13
D12

GND3
VCC3
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2

C112
1000P.50V

SD11
SD10
SD9
SD8
SD7
SD6
SD5
SD4
SD3
SD2

R106
47K.1/16W/NOTMNT

R107
47K.1/16W/NOTMNT

R120
47K.1/16W/NOTMNT

USB3.3V

XOUT
XIN
GND2
VCC2
A1
A2
A3
A4
A5
A6
D0
D1

R110
1MA.1/16W

R111
0.1A

X101
CSTCW48MOX11016

L113
VV1-B000000

USB3.3V

C117
2.2U.15V

C111
1000P.50V

SA1
SA2
SA3
SA4
SA5
SA6

SD0
SD1

SA[6:1]

*PIN5-8=CASE

R141
0.1A/NOTMNT

R142
BK1608HM121

No.	REMARKS

DRAWING NAME	SCNT board
DRAWING No.	HG5-2967-A505

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

IC401

FM336PLUS

SD[7:0]
MD[7:0]
MSA[5:1]
SA[5:1]
RA20 100.0.063W
RA19 100.0.063W
RA4
R70 100.0.063W
100.1/16W
JNT401
P5V21
5MAVD
P3.3V1
C469 1U.15V
C467 0.1U.25V
C481 22P.50V
X401 AT-49 28.224MHZ
C480 18P.50V
GND GUARD
R480 270.1/16W
C466 0.1U.25V
C470 270P.50V
RDCLK
R71 100.1/16W
R72 100.1/16W
R73 100.1/16W
XCSMDM
XMWRL1
XMRD
R450 10K.1/16W
C450 0.1U.25V
R451 10K.1/16W
XRSTMDM
C451 1000P.50V
L451 LHL06TB101K
5MAVD
P5VA
BK1608HM121
C452 10U.50V
C453 0.1U.25V
ETH402
ETH4
C455 1U.15V
C457 0.1U.15V
C456 1U.15V
C458 0.1U.15V
GND GUARD
SR4OUT
MCLKOUT
L454
MSTRB
MSCK
MAXOUT
TXA2
TXA1
VREF
XRSTMDM
C459 0.1U.25V
P5V21
GND GUARD
SR1IO
MCLKOUT
SR4OUT
MSCK
MAXOUT
MSTRB
R457 10K.1/16W
R456 10K.1/16W
C464 0.1U.25V
C463 0.1U.25V
C461 0.1U.25V
C460 0.1U.25V
C465 0.1U.25V
ETH2
JNT1
+3.3V
R455 10K.1/16W
TO SPEAKER
IC406 NJM2113M
SPSTP
C424 1U.16V
C423 0.1U.15V
C429 47U.35V
J401
KTONE
R423 47K.1/16W
MONOUT
C422 0.1U.15V
R422 18K.1/16W
R420 2.7K.1/16W
R421 10K.1/16W
MONI1
MONI2

No.	REMARKS

DRAWING NAME	SCNT board
DRAWING No.	HG5-2967-A506

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

CIRCUIT DIAGRAM FORMAT-A3.01

CIRCUIT DIAGRAM

IC681 HH7-2528 THS-65/NOTMNT
D681 1SS270A/NOTMNT
D682 1SS270A/NOTMNT
HOOK3
ANIN
C683 0.1U.25V/NOTMNT
+5V
J601
AR601 DSSA-P3100SARP
AR602 RA-122P-C6
FG
L1
L2
R
T1
T2
R684 5.6.1/4W/NOTMNT
C682 330.25V/NOTMNT
VZ681 VR61F1/NOTMNT
JP651 VV1-8000000
RL601 TXD2-2M-5-1
D601 1SS270A
CMLRL
+5V
L621 RX-8P
L622 RX-8P
C622 0.056U.50V
C623 0.033U.50V
VZ621 ENE121D-07A/NOTMNT
ZD621 HZS12A2/NOTMNT
DA621 S1ZB60
R625 13K.1/4W
Q621 2SD2217
R621 360.1W
R622 360.1W
R623 360.1W
ZD622 HZS7C1L
R627 330.1/16W
PC621 TLP222G
R624 56K.1/4W
C621 1U.50V
R626 200K.1/4W/NOTMNT
+3.3V
R628 330.1/16W/NOTMNT
DCSEL
DCLIM
PC622 PS2561L1-1-DW/NOTMNT
+3.3V
R609 330.1/16W/NOTMNT
DA601 S1ZB60
DA602 S1ZB60/NOTMNT
PC605 TLP627/NOTMNT
RRL
TLP224G(CANO1)
HDTD
R610 330.1/16W
RL604
R608 330.1/16W
RL603
VZ602 VR61F1/NOTMNT
TLP224G(CANO1)
PRL
C624 3.3U.100V
C625 0.033U.200V
T621 Y01025/HH7-2680
VREF
ZD623 HZS12A2
C626 2200P.50V
TXRX1
TXRX2
C627 2200P.50V
ZD624 HZS12A2
C602 0.01U.250V
T601 Y01027/HH7-2681
ANIN
ZD603 HZS12A2
+3.3V
R603 470K.1/16W
PC601 PS2561L1-1-DW
PC602 PS2561L1-1-DW
CI1
CI2
C684 1000P.50V/NOTMNT
C685 1000P.50V/NOTMNT
ZD601 HZ11CP
ZD602 HZ11CP
R604 470K.1/16W
R601 33K.1/4W
R602 33K.1W
+24V
RL602 EC2-24ND
D602 1SS270A
HRL
VZ603 VR61F1/NOTMNT
R611 2K.1/16W
PC604 PS2565-1-K
HOOK1
C687 1000P.50V/NOTMNT
C603 22U.35V
R605 150.1/10W
VZ601 VR61F1
R606 0.2A
R607 1MA.1/16W
PC603 PS2565-1-K
C686 1000P.50V/NOTMNT
CIDET1
CIDET2
C601 1U.250V
C681 1U.250V/NOTMNT
DA681 S1ZB60/NOTMNT
PC681 TLP222G/NOTMNT
R681 330.1/16W/NOTMNT
C1
R612 560.2W/NOTMNT
J602 53324-0210/NOTMNT
(-) (+)
R682 13K.1/4W/NOTMNT
DA682 S1ZB60/NOTMNT
R683 330.1/16W/NOTMNT
PC682 TLP222G/NOTMNT
NOR

No.	REMARKS

DRAWING NAME SCNT board

DRAWING No. HG5-2967-A507

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

18-2002_16:33

ETH3
JNT403
IC531 4066 VCC GND
C548 0.1U.25V
+12V
P5VA
D8 1SS270A
RIN
R676 24K.1/16W
JP652 0.1A
C674 0.1U.25V
R675 10K.1/16W
ANIN
R677
R678 100K.1/16W/NOTMNT
IC654 NJM2904M
IC654 NJM2904M
IC654 10K.1/16W/NOTMNT
C663
1000P.50V/NOTMNT
R679 0.1A
VREF
JP653 0.1A/NOTMNT
R533 68.1K.1/16W
C532 470P.50V
C533 0.1U.15V
IC403 NJM4558M
5 VREF
C531 0.1U.15V
R536 10K.1/16W
R537 10K.1/16W
CH0
CH1
IC531 4066
CMLRL
Q531 DTC143ZKA
IC531 4066
IC531 4066
IC531
D551 1SS270A
+3.3V
C551 0.1U.25V
6.8K.1/16W
MONI
R551
R531 174K.1/16W
R532 270K.1/16W
AIN
TXRX1
Q651 2SK3320
TXRX2
Q652 2SK3320
R651 604.1/16W
R652 0.1A
R653 750.1/16W
C651 0.047U.50V
C652 2.2U.16V
R658 10K.1/16W
C671 0.1U.25V
IC651 NJM4558M
R660 10K.1/16W
R661 7.32K.1/16W
R659 10K.1/16W
R662 10K.1/16W
C653 3300P.50V
IC651 NJM4558M
R663 10K.1/16W
C654 2200P.50V
C655 4700P.50V
R665 14.7K.1/16W
R664 14.7K.1/16W
C656 1000P.50V
IC653 NJM4558M
C657 4700P.50V
R667 14.7K.1/16W
R666 14.7K.1/16W
C658 1000P.50V
C673 0.1U.25V
IC653 NJM4558M
R543 44.2K.1/16WD
C543 1000P.50V/NOTMNT
IC403 NJM4558M
R542 44.2K.1/16WD
C542 0.1U.15V
TXA2
R541 44.2K.1/16WD
TXA1
C541 0.1U.15V
C547 0.1U.25V
R544 44.2K.1/16WD
R672 14K.1/16W
R671 10K.1/16W
C672 0.1U.25V
IC652 NJM4558M
R654 10K.1/16W
R655 470K.1/16W
R656 10K.1/16W
R657 470K.1/16W
IPSEL1
Q654 DTC143ZKA
IC531 4066
R673 10K.1/16W
R674 10K.1/16W
C661 0.1U.25V
IC652 NJM4558M
C662 1000P.50V
ZD651 HZ5.1A2
VREF

No.	REMARKS

DRAWING NAME SCNT board
DRAWING No. HG5-2967-A508

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

ESS OFF

After INTER_LOCK SW

+24U

RGV1

J305 1

J305 2

J305 3

ZD304 RD30ESAB1

C301 1U.50V

R231 25.5K.1/16W

R232 3.48K.1/16W

J2

15

14 RELAY

13 FSRD

R411 100.1/16W

12 XWA

R412 100.1/16W

11 WA

R413 100.1/16W

10 XWB

R414 100.1/16W

9 WB

R415 100.1/16W

8 XRA

R416 100.1/16W

7 RA

R417 100.1/16W

6 XRB

R418 100.1/16W

5 RB

4 RPWM

3 POSNS

2 OVFLOW R202 2.2K.1/16W

1 CST R201 0.1A

+3.3V

R203 33K.1/16W

J6 1

J6 2

R204 33K.1/16W

10

9 TRPWM

8 TRNFOT

7 DOOR

6 PRDCC

5 DVDCC

4 DVACC

3 TRNCRNT

2 PRACC

J5 1

HG5-2974

+3.3V

R243 330.1/4W

R242 33K.1/16W

PS201 RPI-574N1

J7 1 R205 330.1/4W/NOTMNT +5S ESS OFF

J7 2

J7 3

No.	REMARKS	DRAWING NAME PCNT board	
		DRAWING No. HG5-2968-A501	
		MODEL NAME	PART No. / REV.
		FAX-L240/L290	HG5-2968 / 01

TRPWM
TRNCANT
TRNFOT
DVDCC
DVACC
PRACC
PADCC

R372 100.1/16W
R345 820K.1/16W
C326 0.1U.25V
C324 0.01U.50V
IC302
R344 2.2K.1/16W
ZD301 RD3.0ESAB1
3.0V
LM358D
OP
D310 1SS270A
R321 825K.1/16W
R318 10K.1/16W
C311 0.047U.25V
Q307 2SC1623
Q302 2SD1857
R312 27.1/4W
R314 27.1/4W
T303 RH3-0250
D306 1SS244
C308 330P.3KV
C310 330P.3KV
D305 ESJA57-03A
D304 ESJA57-03A
D303 ESJA57-03A
D302 ESJA57-03A
C307 330P.3KV
C309 330P.3KV
R328 100MA.0.4W
R361 100K.0.25W
JP3020 KE1-8012
JP3021 KE1-8012
J302
R320 15.1/2W
Q308 2SC1623
Q304 2SD1857
R329 47.1/4W
R330 47.1/4W
T304 RH3-0250
D309 1SS244
D308 ESJA57-03A
R327 1MA.1/4W
R326 1MA.1/4W
R325 1MA.1/4W
R324 1MA.1/4W
R323 1MA.1/4W
R322 1MA.1/4W
C316 330P.3KV
R371 100.1/16W
R359 100K.1/16W
R310 43K.1/16W
R319 10MA.0.3W
C328 0.01U.50V
C306 0.01U.1KV
IC301 LM324D
R313 15K.1/16W
R305 2.2K.1/16W
R306 47K.1/4W
Q301 2SC5460(LBCANO)
TB303
TB303
R353 3.01K.1/16W
R354 5.11K.1/16W
R339 2.61K.1/16W
R342 1K.1/16W
R355 1.05K.1/16W
C320 0.01U.50V
R366 15.1/2
R368 10.1/4W
Q305 2SC2120Y
R369 10.1/4W
Q306 2SA950-Y
R367 15.1/2
IC301 LM324D
C303 47U.35V
T302 RH3-0284
C304 0.01U.1KV
D301 ESJA57-03A
R304 150K.1/2W
JP3010 KE1-8012
JP3011 KE1-8012
J301
J303
C327 0.01U.50V
R311 30.9K.1/16W
IC301 LM324D
Q303 2SC5273-01
R316 470K.0.25W
R317 15K.1/16W
R315 2.2K.1/16W
R338 49.9K.1/16W
R370 10K.1/16W
R341 121K.1/16W
R333 95.3K.1/16W
R334 95.3K.1/16W
C318 0.01U.100V
C319 2700P.100V
IC302 LM358D
OP
IC301 LM324D
R362 15.1/2
R364 10.1/4W
Q309 2SC2120Y
R365 10.1/4W
Q310 2SA950-Y
R363 15.1/2
R358 10K.1/16W
C314 47U.35V
R302 10MA.0.3W
D307 ESJA57-03A
T301 RH3-0251
C315 330P.3KV
C312 0.01U.1KV
C313 0.01U.1KV
R360 27K.0.25W
JP3040 KE1-8012
JP3041 KE1-8012
J304
R346 100K.1/16W
C317 0.01U.50V

No.	REMARKS

DRAWING NAME PCNT board

DRAWING No. HG5-2968-A502

MODEL NAME	PART No.	REV.
FAX-L240/L290	HG5-2968	01

CIRCUIT DIAGRAM

J402 4 RB0
J402 3 RB0
J402 2 RA0
J402 1 RA0

IC402
MTD2002G
R404 0.91,1W
R405 0.91,1W
R406 18K,1/16W
C408 3300P,50V
C407 0.01U,50V
XRB
RB
XRA
RA

IC403 5C8
R409 750,1/16W
R410 33K,1/16W/NOTMNT
C409 0.1U,16V
SPEC TC7SET08F WA7-0878
R419 100,1/16W
RPWM

J401 4 WA0
J401 3 WA0
J401 2 WB0
J401 1 WB0

IC401
MTD2002G
R401 0.91,1W
R402 0.91,1W
R403 18K,1/16W
C402 3300P,50V
WA
XWA
WB
XWB

+24V
FU401 20N1500
C406 0.01U,50V
C403 47U,35V
C401 0.1U,25V
+5V
R407 0,1A
R408 620,1/16W

IC403 5C8 VCC GND
C410 0.1U,25V
SPEC TC7SET08F WA7-0878

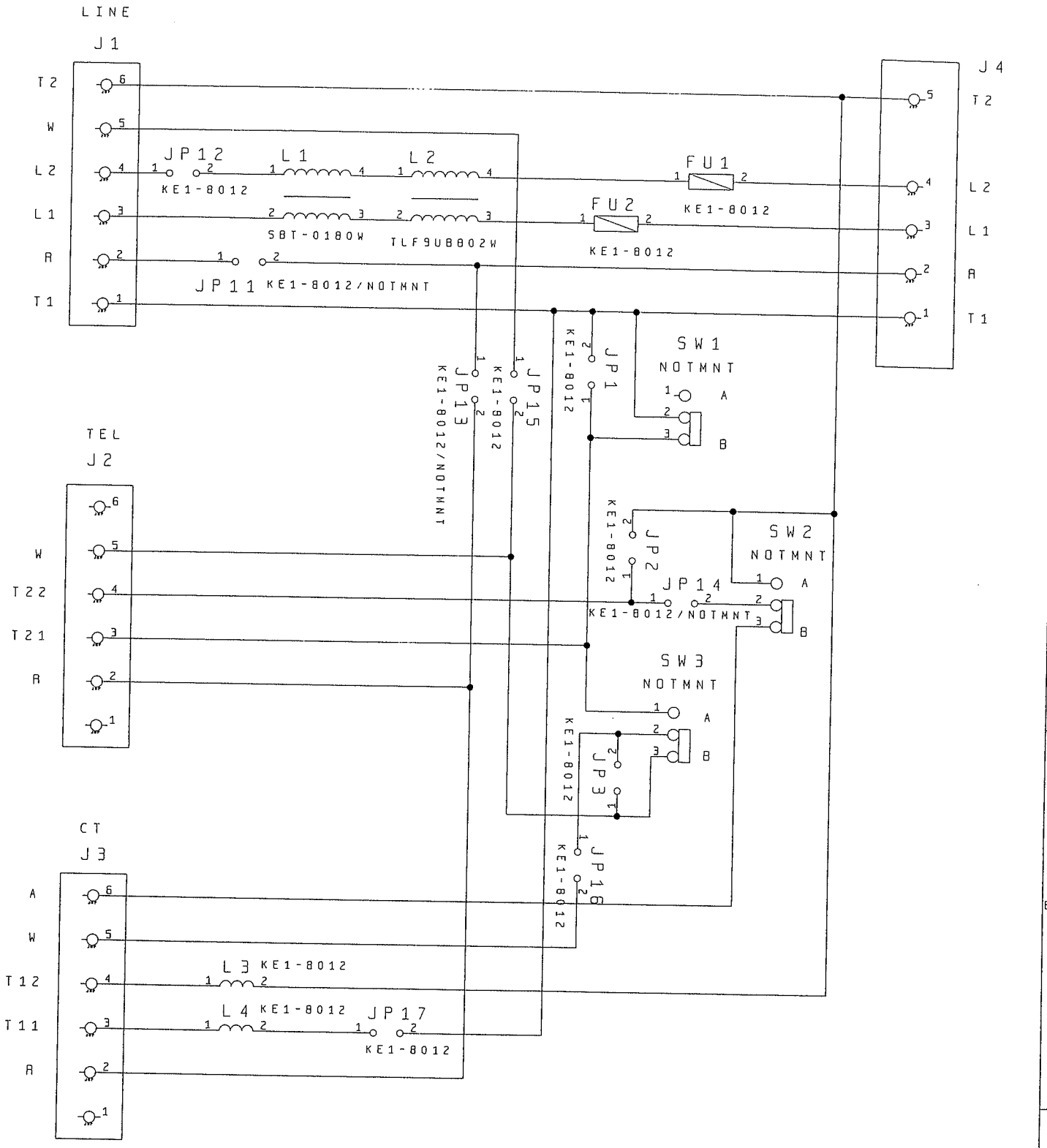
+3.3V
J1 2
J1 1
C1 47U,35V
J1 4
J1 3
J1 7
J1 8
J1 6
J1 10
J1 5
ETH1
J1 9

RL101 SDT-S-124DMR
D102 1SS270A
R101 1.2K,1/2W/NOTMNT
TB101 SPEC SPEC
J102 N H SPEC SPEC
SQ101 SPEC RE1201 WDB-5093 SK
L101 SK-08MD-42Y RH3-0193
Q101 TM861S-L LF664
R103 150,1/4W
R105 22,1/4W
SSR101 SPEC S21ME6NY WGB-5461 PTRI
R104 47,1/4W
RELAY R102 2.2K,1/16W
R106 10K,1/16W/NOTMNT
Q103 2SC1623
FSRD R107 2.2K,1/16W
R108 10K,1/16W/NOTMNT
Q102 2SC1623

No.	REMARKS

DRAWING NAME PCNT board
DRAWING No. HG5-2968-A503

MODEL NAME	PART No.	REV.
FAX-L240/L290	HG5-2968	02



No.	REMARKS

DRAWING NAME	Modular board
DRAWING No.	HG5-2969-A501

MODEL NAME	PART No.	REV.
FAX-L240/L290	HG5-2969	02

CIRCUIT DIAGRAM FORMAT-A3.01

CIRCUIT DIAGRAM

J2 15 +5V
C4 0.1U.25V
J2 3 DGND
J2 2 DGND
Q1 DTA143ZKA
R2 100K.1/16W
C2 0.1U.25V
LED1 SML-010LT
R5 330.1/16W
R17 10K.1/16W
R18 330.1/16W
C6 1000P.50V
C5 1000P.50V
C7 1000P.50V
J5 GND 14
J5 VDD 13
J5 VO 12
J5 RS 11
J5 R/W 10
J5 E 9
J5 8 J5 7 J5 6 J5 5 J5 4 J5 3 J5 2 J5 1
PNL2 PNL4 PNL6 PNL8

IC1 374 OUTPUTCONTROL

J2 6 RS R22 100.1/16W
J2 10 ECLK R32 100.1/16W
C8 470P.50V
J2 14 SOD R33 100.1/16W
J2 12 CLK374 R1 100.1/16W
C1 470P.50V/NOTMNT

PNL0 PNL1 PNL2 PNL3 PNL4 PNL5 PNL6 PNL7 PNL8

PNL[8:0]

R20 180.1/10W
R21 180.1/10W
J3 J4
DES DS

R6 2.7K.1/16W
R7 2.7K.1/16W
R8 2.7K.1/16W
R9 2.7K.1/16W
R10 2.7K.1/16W
R11 2.7K.1/16W
PNL5 PNL4 PNL3 PNL2 PNL1 PNL0
J1 13 J1 12 J1 11 J1 10 J1 9 J1 8 J1 7 J1 6 J1 5 J1 4 J1 3 J1 2 J1 1

IC1 374 VCC 20 GND 10
C3 0.1U.25V

J2 1 PSW R19 1K.1/16W SW1 MPU11690MLB0

R12 220.1/16W
R13 220.1/16W
R23 220.1/16W
R24 220.1/16W
R14 220.1/16W
R15 220.1/16W
R16 220.1/16W

D1 HSC278
D2 HSC278

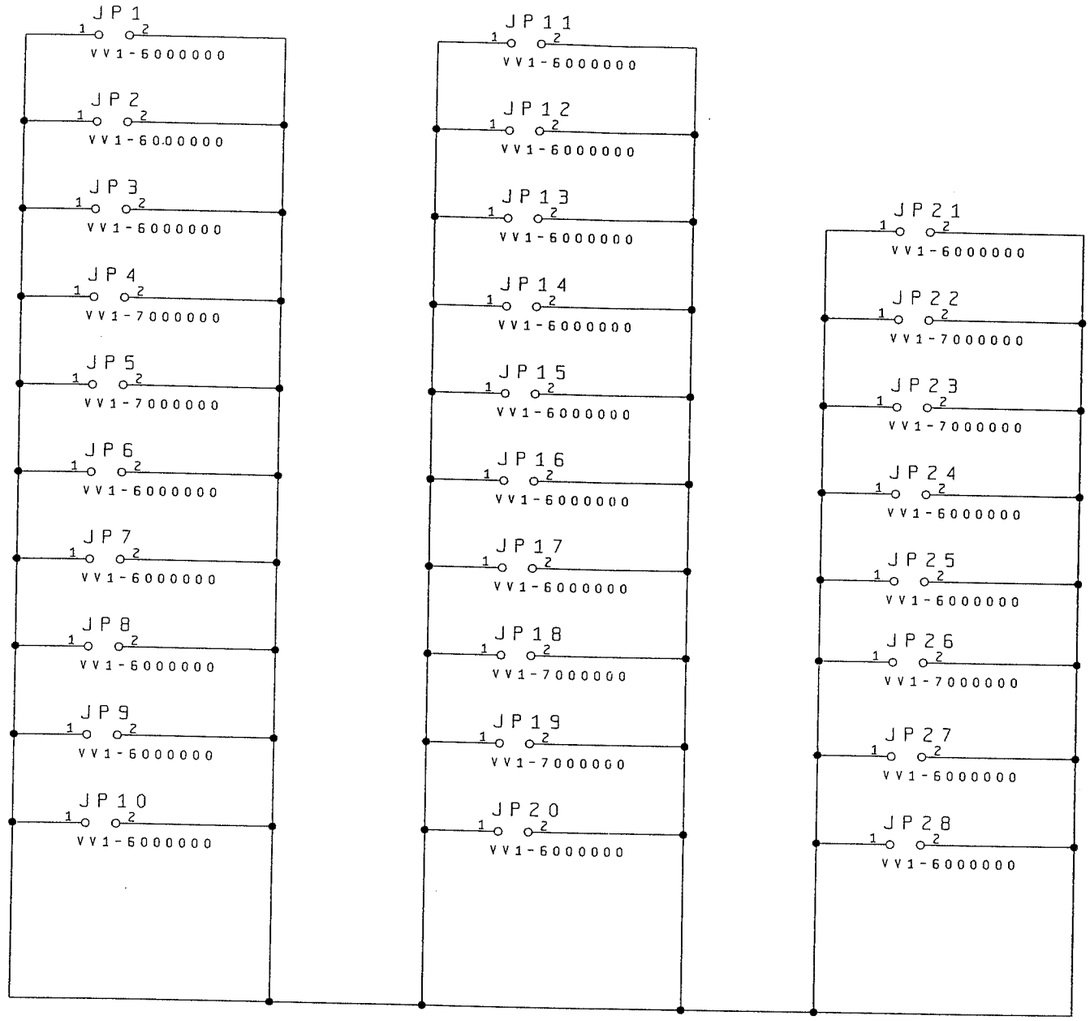
J2 13 KI00
J2 11 KI01
J2 4 KI02
J2 5 KI03
J2 9 KI04
J2 8 KI05
J2 7 KI06

No.	REMARKS

DRAWING NAME OPCNT board

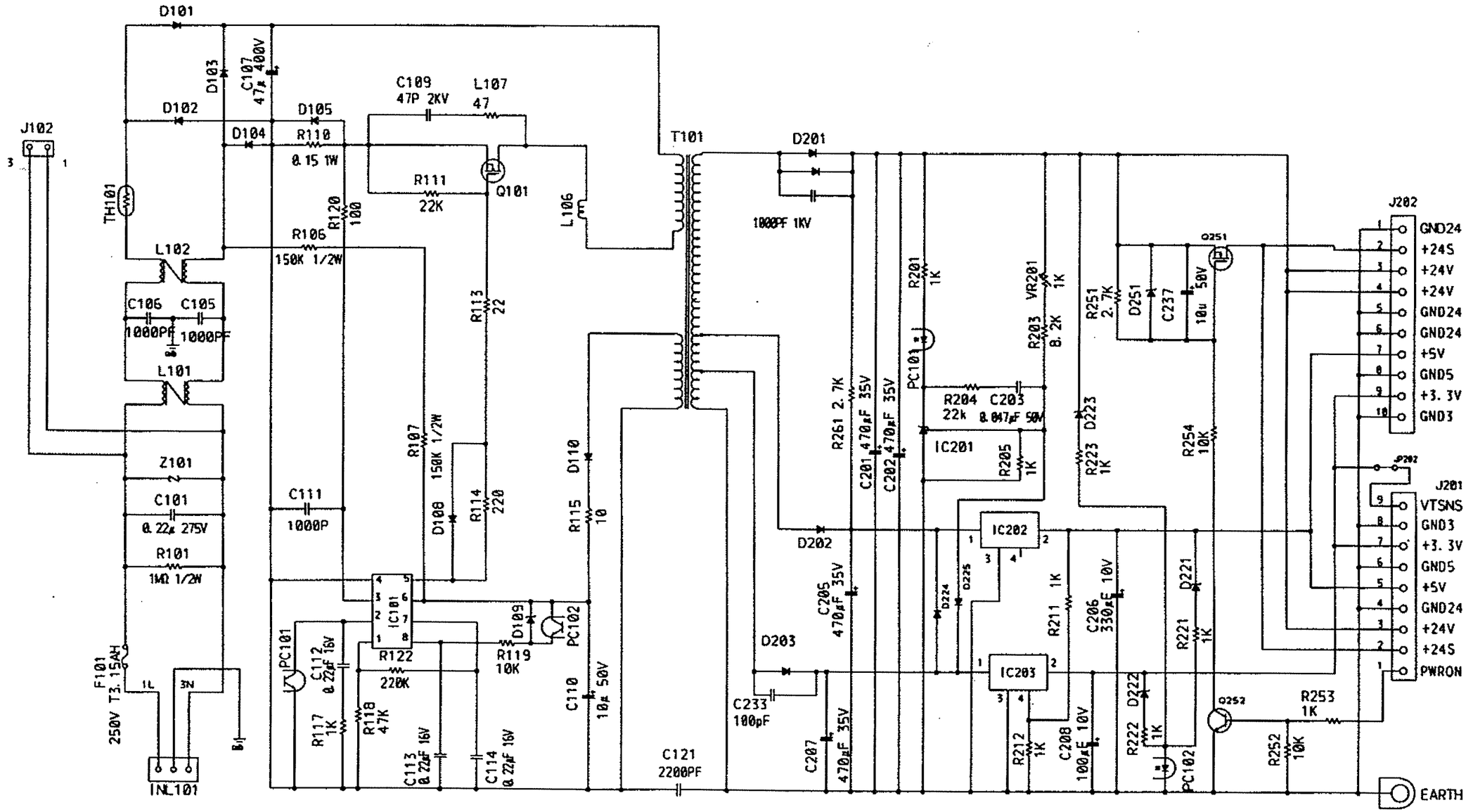
DRAWING No. HG5-2970-A501

MODEL NAME	PART No.	REV.
FAX-L240/L290	HG5-2970	01



No.	REMARKS

DRAWING NAME OPCNT board		
DRAWING No. HG5-2970-A502		
MODEL NAME	PART No.	REV.
FAX-L240/L290	HG5-2970	01



No.	REMARKS

DRAWING NAME	POWER SUPPLY UNIT
DRAWING No.	HH3-5389

MODEL NAME	PART No.	REV.
FAX-L240/L290	HH3-5389	01

3. SIGNAL ADDRESS LIST

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	5MAVD	A506	B-6		39	CASSETTE	A501	A-6	
2	5MAVD	A506	D-6		40	CASSETTE	A503	C-4	
3					41				
4	5VS	A503	B-3		42	CASSETTEG	A503	A-4	
5	5VS	A503	B-3		43	CASSETTEG	A503	C-3	
6	5VS	A503	C-4		44				
7					45	CH0	A508	D-2	
8	A3.3V	A504	A-2		46				
9	A3.3V	A504	B-2		47	CH1	A508	D-2	
10	A3.3V	A504	D-3		48				
11					49	$\overline{CI1}$	A504	D-4	
12	AIN	A508	C-2		50	$\overline{CI1}$	A507	B-1	
13					51				
14	ANIN	A507	B-2		52	$\overline{CI2}$	A504	A-4	
15	ANIN	A507	D-4		53	$\overline{CI2}$	A507	B-1	
16	ANIN	A508	C-6		54				
17					55	CIDET1	A507	B-3	
18	APUD	A503	D-4		56				
19	APUD	A504	D-3		57	CIDET2	A507	B-4	
20					58				
21	ASF	A503	C-4		59	CLK374	A503	D-1	
22	ASF	A504	D-4		60	CLK374	A504	C-2	
23					61				
24	AVOUT	A503	B-5		62	CLKIN48M	A504	D-2	
25	AVOUT	A504	B-2		63	CLKIN48M	A504	D-4	
26					64				
27	BA0	A501	B-3		65	CLKIN48N	A504	C-2	
28	BA0	A502	C-6		66	CLKIN48N	A504	D-4	
29					67				
30	BA1	A501	B-3		68	CMLRL	A501	B-1	
31	BA1	A502	C-6		69	CMLRL	A501	B-6	
32					70	CMLRL	A508	D-3	
33	C1	A501	B-6		71				
34	C1	A501	C-1		72	$\overline{CMLRL}$	A501	B-2	
35					73	$\overline{CMLRL}$	A507	C-4	
36	$\overline{C1}$	A501	C-2		74				
37	$\overline{C1}$	A507	A-3		75	CNT1	A503	B-2	
38					76	CNT1	A504	C-3	

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2966-AA01

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	CPUCLKO	A501	B-6	
2	CPUCLKO	A504	B-6	
3				
4	CPUD	A503	C-4	
5	CPUD	A504	D-3	
6				
7	CS5V	A503	B-6	
8	CS5V	A503	C-5	
9	CS5V	A504	C-1	
10				
11	DCLIM	A501	C-1	
12	DCLIM	A501	C-6	
13				
14	$\overline{\text{DCLIM}}$	A501	C-2	
15	$\overline{\text{DCLIM}}$	A507	C-1	
16				
17	DCSEL	A501	C-1	
18	DCSEL	A501	D-6	
19				
20	$\overline{\text{DCSEL}}$	A501	C-2	
21	$\overline{\text{DCSEL}}$	A507	C-1	
22				
23	DOOR	A503	A-3	
24	DOOR	A504	D-4	
25				
26	DVACC	A503	A-3	
27	DVACC	A504	A-4	
28				
29	DVDCC	A503	A-3	
30	DVDCC	A504	A-4	
31				
32	ECLK	A503	D-2	
33	ECLK	A504	C-2	
34				
35	FSRD	A503	B-4	
36	FSRD	A504	A-6	
37				
38	FSRTH	A503	B-4	

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
39	FSRTH	A504	A-3	
40				
41	FUTA	A503	C-2	
42	FUTA	A504	D-4	
43				
44	HDTD	A501	B-1	
45	HDTD	A501	B-6	
46				
47	$\overline{\text{HDTD}}$	A501	C-2	
48	$\overline{\text{HDTD}}$	A507	B-5	
49				
50	$\overline{\text{HOOK1}}$	A504	A-4	
51	$\overline{\text{HOOK1}}$	A507	A-5	
52				
53	$\overline{\text{HOOK3}}$	A504	A-4	
54	$\overline{\text{HOOK3}}$	A507	A-4	
55	$\overline{\text{HOOK3}}$	A507	D-4	
56				
57	HRL	A501	B-1	
58	HRL	A501	B-6	
59				
60	$\overline{\text{HRL}}$	A501	B-2	
61	$\overline{\text{HRL}}$	A507	B-6	
62				
63	IPSEL1	A504	D-3	
64	IPSEL1	A508	A-6	
65				
66	KI0	A503	C-2	
67	KI0	A504	C-2	
68				
69	KI1	A503	C-2	
70	KI1	A504	C-2	
71				
72	KI2	A503	C-2	
73	KI2	A504	C-2	
74				
75				
76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2966-AA02

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	KI3	A503	C-2		39				
2	KI3	A504	C-2		40	MD4	A506	D-4	
3					41	MD4	A506	D-5	
4	KI4	A503	C-2		42				
5	KI4	A504	C-2		43	MD5	A506	D-4	
6					44	MD5	A506	D-5	
7	KI5	A503	C-2		45				
8	KI5	A504	C-2		46	MD6	A506	D-4	
9					47	MD6	A506	D-5	
10	KI6	A503	C-2		48				
11	KI6	A504	C-2		49	MD7	A506	D-4	
12					50	MD7	A506	D-6	
13	KI7	A503	C-2		51				
14	KI7	A504	C-2		52	MONI	A504	B-2	
15					53	MONI	A508	D-1	
16	KTONE	A504	A-4		54				
17	KTONE	A506	D-2		55	MONI1	A504	A-2	
18					56	MONI1	A506	C-1	
19	LEDON	A503	B-5		57				
20	LEDON	A504	B-2		58	MONI2	A504	A-2	
21					59	MONI2	A506	C-1	
22	LON	A503	B-3		60				
23	LON	A504	D-3		61	MONOUT	A504	A-2	
24					62	MONOUT	A506	C-3	
25	MCLKOUT	A506	A-4		63				
26	MCLKOUT	A506	B-5		64	MRXOUT	A506	A-4	
27					65	MRXOUT	A506	B-5	
28	MDO	A506	D-4		66				
29	MDO	A506	D-6		67	MSA1	A506	D-4	
30					68	MSA1	A506	D-5	
31	MD1	A506	D-4		69				
32	MD1	A506	D-6		70	MSA2	A506	D-4	
33					71	MSA2	A506	D-6	
34	MD2	A506	D-4		72				
35	MD2	A506	D-6		73	MSA3	A506	C-5	
36					74	MSA3	A506	D-6	
37	MD3	A506	D-4		75				
38	MD3	A506	D-6		76				

No.	REMARKS

DRAWING NAME

SIGNAL ADDRESS LIST (SCNT BOARD ASS' Y)

DRAWING No.

HG5-2966-AA03

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	MSA4	A506	C-5	
2	MSA4	A506	D-6	
3				
4	MSA5	A506	C-5	
5	MSA5	A506	D-6	
6				
7	MSCK	A506	A-4	
8	MSCK	A506	B-5	
9				
10	MSTRB	A506	A-4	
11	MSTRB	A506	B-5	
12				
13	NOR	A501	B-6	
14	NOR	A501	C-1	
15				
16	$\overline{\text{NOR}}$	A501	C-2	
17	$\overline{\text{NOR}}$	A507	A-3	
18				
19	OVRFLOW	A501	A-6	
20	OVRFLOW	A503	A-4	
21				
22	P3.3V1	A506	B-2	
23	P3.3V1	A506	C-5	
24	P3.3V1	A506	D-5	
25				
26	P3.3V2	A501	B-6	
27	P3.3V2	A501	C-3	
28	P3.3V2	A501	D-2	
29	P3.3V2	A501	D-4	
30	P3.3V2	A501	D-6	
31				
32	P5V21	A506	A-3	
33	P5V21	A506	A-4	
34	P5V21	A506	C-3	
35	P5V21	A506	C-6	
36	P5V21	A506	D-6	
37				
38	P5VA	A506	B-6	

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
39	P5VA	A508	D-4	
40				
41	PORL	A504	D-5	
42				
43	POSNS	A501	B-6	
44	POSNS	A503	A-4	
45				
46	PRACC	A503	B-3	
47	PRACC	A504	A-4	
48				
49	PRADIN	A501	A-6	
50	PRADIN	A504	A-2	
51				
52	PRDCC	A503	A-3	
53	PRDCC	A504	A-4	
54				
55	PRL	A501	B-1	
56	PRL	A501	B-6	
57				
58	$\overline{\text{PRL}}$	A501	B-2	
59	$\overline{\text{PRL}}$	A507	C-4	
60				
61	PWRON	A503	C-5	
62	PWRON	A503	D-6	
63	PWRON	A504	A-4	
64				
65	RA	A503	A-4	
66	RA	A504	A-6	
67				
68	RB	A503	A-4	
69	RB	A504	A-6	
70				
71	RDCLK	A506	C-5	
72	RDCLK	A506	D-3	
73				
74	RELAY1	A503	B-4	
75	RELAY1	A504	A-6	
76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2966-AA04

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	RELAY2	A503	B-4		39	SA3	A504	D-5	
2	RELAY2	A504	A-6		40	SA3	A505	A-3	
3					41	SA3	A506	C-6	
4	RIN	A506	A-4		42				
5	RIN	A508	D-4		43	SA4	A501	C-3	
6					44	SA4	A502	C-5	
7	RPWM	A503	A-4		45	SA4	A502	D-3	
8	RPWM	A504	A-6		46	SA4	A504	D-5	
9					47	SA4	A505	A-3	
10	RRL	A501	A-1		48	SA4	A506	C-6	
11	RRL	A501	B-3		49				
12					50	SA5	A501	C-3	
13	$\overline{\text{RRL}}$	A501	A-2		51	SA5	A502	C-4	
14	$\overline{\text{RRL}}$	A507	C-5		52	SA5	A502	D-3	
15					53	SA5	A504	D-5	
16	RS	A503	D-2		54	SA5	A505	A-3	
17	RS	A504	B-2		55	SA5	A506	C-6	
18					56				
19	SA0	A501	D-4		57	SA6	A501	C-3	
20	SA0	A504	D-5		58	SA6	A502	C-4	
21					59	SA6	A502	D-3	
22	SA1	A501	D-4		60	SA6	A504	D-5	
23	SA1	A502	C-3		61	SA6	A505	A-3	
24	SA1	A502	C-5		62				
25	SA1	A504	D-5		63	SA7	A501	C-3	
26	SA1	A505	A-3		64	SA7	A502	C-4	
27	SA1	A506	C-5		65	SA7	A502	D-3	
28					66	SA7	A504	D-5	
29	SA2	A501	D-4		67				
30	SA2	A502	C-3		68	SA8	A501	C-3	
31	SA2	A502	C-5		69	SA8	A502	C-4	
32	SA2	A504	D-5		70	SA8	A502	D-3	
33	SA2	A505	A-3		71	SA8	A504	D-5	
34	SA2	A506	C-6		72				
35					73	SA9	A501	C-3	
36	SA3	A501	D-4		74	SA9	A502	C-4	
37	SA3	A502	C-5		75	SA9	A502	D-1	
38	SA3	A502	D-3		76	SA9	A504	D-5	

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2966-AA05

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	SA10	A501	C-3		39				
2	SA10	A502	C-4		40	SA20	A501	B-3	
3	SA10	A502	D-1		41	SA20	A502	D-1	
4	SA10	A504	D-5		42				
5					43	SD0	A501	D-5	
6	SA11	A501	C-3		44	SD0	A502	C-3	
7	SA11	A502	C-5		45	SD0	A502	D-5	
8	SA11	A502	D-1		46	SD0	A504	C-6	
9	SA11	A504	D-5		47	SD0	A505	B-3	
10					48	SD0	A506	D-6	
11	SA12	A501	C-3		49				
12	SA12	A502	C-4		50	SD1	A501	D-5	
13	SA12	A502	D-1		51	SD1	A502	C-3	
14	SA12	A504	D-5		52	SD1	A502	D-5	
15					53	SD1	A504	C-6	
16	SA13	A501	B-3		54	SD1	A505	B-3	
17	SA13	A502	D-1		55	SD1	A506	D-6	
18	SA13	A504	D-4		56				
19					57	SD2	A501	D-5	
20	SA14	A501	B-3		58	SD2	A502	C-3	
21	SA14	A502	D-1		59	SD2	A502	D-5	
22	SA14	A504	D-4		60	SD2	A504	C-6	
23					61	SD2	A505	C-2	
24	SA15	A501	B-3		62	SD2	A506	D-6	
25	SA15	A502	D-1		63				
26	SA15	A504	D-4		64	SD3	A501	D-5	
27					65	SD3	A502	C-3	
28	SA16	A501	B-3		66	SD3	A502	D-5	
29	SA16	A502	C-1		67	SD3	A504	C-6	
30					68	SD3	A505	C-2	
31	SA17	A501	B-3		69	SD3	A506	D-6	
32	SA17	A502	C-1		70				
33					71				
34	SA18	A501	B-3		72				
35	SA18	A502	D-3		73				
36					74				
37	SA19	A501	B-3		75				
38	SA19	A502	D-3		76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2966-AA06

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	SD4	A501	D-5	
2	SD4	A502	C-2	
3	SD4	A502	D-5	
4	SD4	A504	C-6	
5	SD4	A505	C-2	
6	SD4	A506	D-5	
7				
8	SD5	A501	D-5	
9	SD5	A502	C-2	
10	SD5	A502	C-5	
11	SD5	A504	C-6	
12	SD5	A505	C-2	
13	SD5	A506	D-5	
14				
15	SD6	A501	D-5	
16	SD6	A502	C-2	
17	SD6	A502	C-5	
18	SD6	A504	C-6	
19	SD6	A505	C-2	
20	SD6	A506	D-5	
21				
22	SD7	A501	D-5	
23	SD7	A502	C-2	
24	SD7	A502	C-5	
25	SD7	A504	C-6	
26	SD7	A505	C-2	
27	SD7	A506	D-6	
28				
29	SD8	A501	D-4	
30	SD8	A502	C-3	
31	SD8	A502	C-4	
32	SD8	A504	C-6	
33	SD8	A505	C-2	
34				
35	SD9	A501	D-4	
36	SD9	A502	C-3	
37	SD9	A502	C-4	
38	SD9	A504	D-6	
39	SD9	A505	C-2	
40				
41	SD10	A501	D-4	
42	SD10	A502	C-3	
43	SD10	A502	C-4	
44	SD10	A504	D-6	
45	SD10	A505	C-2	
46				
47	SD11	A501	D-4	
48	SD11	A502	C-3	
49	SD11	A502	D-4	
50	SD11	A504	D-6	
51	SD11	A505	C-2	
52				
53	SD12	A501	D-4	
54	SD12	A502	C-2	
55	SD12	A502	D-4	
56	SD12	A504	D-6	
57	SD12	A505	D-3	
58				
59	SD13	A501	D-4	
60	SD13	A502	C-2	
61	SD13	A502	D-4	
62	SD13	A504	D-6	
63	SD13	A505	D-3	
64				
65	SD14	A501	D-4	
66	SD14	A502	C-2	
67	SD14	A502	D-4	
68	SD14	A504	D-6	
69	SD14	A505	D-3	
70				
71	SD15	A501	D-4	
72	SD15	A502	C-2	
73	SD15	A502	D-4	
74	SD15	A504	D-5	
75	SD15	A505	D-3	
76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2966-AA07

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	SDCKE	A501	B-3	
2	SDCKE	A504	C-6	
3				
4	SDCKE0	A502	B-4	
5	SDCKE0	A504	D-4	
6				
7	SDCLK	A501	B-3	
8	SDCLK	A502	C-3	
9				
10	SOD	A503	D-1	
11	SOD	A504	C-2	
12				
13	SPSTP	A504	D-3	
14	SPSTP	A506	D-2	
15				
16	SR1IO	A506	A-4	
17	SR1IO	A506	B-3	
18				
19	SR4OUT	A506	A-4	
20	SR4OUT	A506	B-5	
21				
22	TONOR	A503	D-1	
23	TONOR	A504	A-3	
24				
25	TRCRNT	A503	A-3	
26	TRCRNT	A504	A-3	
27				
28	TRNFOT	A503	A-3	
29	TRNFOT	A504	A-4	
30				
31	TRPWM	A503	A-3	
32	TRPWM	A504	A-4	
33				
34	TXA1	A506	B-5	
35	TXA1	A508	B-2	
36				
37	TXA2	A506	B-5	
38	TXA2	A508	B-2	

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
39				
40	TXRX1	A507	C-1	
41	TXRX1	A508	C-6	
42				
43	TXRX2	A507	C-1	
44	TXRX2	A508	B-6	
45				
46	USB3.3V	A505	B-4	
47	USB3.3V	A505	B-4	
48	USB3.3V	A505	C-2	
49	USB3.3V	A505	D-4	
50				
51	VBB	A502	B-1	
52	VBB	A502	D-6	
53				
54	VDB	A504	A-6	
55	VDB	A504	B-1	
56				
57	VREF	A507	B-3	
58	VREF	A507	C-1	
59	VREF	A508	A-3	
60	VREF	A508	C-3	
61	VREF	A508	C-6	
62				
63	VREFH	A504	B-2	
64	VREFH	A504	C-1	
65				
66	VREFL	A504	B-1	
67	VREFL	A504	B-2	
68				
69	VTSNS	A501	A-6	
70	VTSNS	A503	C-6	
71				
72	WA	A503	B-4	
73	WA	A504	A-5	
74				
75	WB	A503	B-4	
76	WB	A504	A-5	

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2966-AA08

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	XACC	A503	D-4	
2	XACC	A504	C-3	
3				
4	XADCHG	A501	D-6	
5	XADCHG	A504	B-6	
6				
7	XAKUSB	A504	B-6	
8	XAKUSB	A505	D-5	
9				
10	XBDI	A503	B-3	
11	XBDI	A504	D-4	
12				
13	XCSCLK	A503	A-5	
14	XCSCLK	A504	B-2	
15				
16	XCSGA	A501	A-3	
17	XCSGA	A504	B-6	
18				
19	XCSMDM	A504	D-3	
20	XCSMDM	A506	C-6	
21				
22	XCSRAM	A501	A-3	
23	XCSRAM	A504	C-6	
24				
25	XCSROM	A501	A-3	
26	XCSROM	A504	C-6	
27				
28	XCSROMO	A502	C-3	
29	XCSROMO	A504	D-4	
30				
31	XCSSH	A503	A-5	
32	XCSSH	A504	B-2	
33				
34	XDEC	A503	D-4	
35	XDEC	A504	C-3	
36				
37	XDRQGC	A501	D-6	
38	XDRQGC	A504	B-6	

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
39				
40	XDRQGN	A501	C-6	
41	XDRQGN	A504	B-6	
42				
43	XDRQUSB	A501	D-6	
44	XDRQUSB	A505	D-5	
45				
46	XIN2	A504	C-1	
47	XIN2	A504	C-6	
48				
49	XMPOR	A506	A-4	
50	XMPOR	A506	B-5	
51				
52	XMRD	A501	A-3	
53	XMRD	A502	C-3	
54	XMRD	A504	B-6	
55	XMRD	A505	D-5	
56	XMRD	A506	C-6	
57				
58	XMWRH	A501	A-3	
59	XMWRH	A502	C-3	
60				
61	XMWRL1	A501	A-3	
62	XMWRL1	A502	C-6	
63	XMWRL1	A506	C-6	
64				
65	XMWRL2	A501	A-3	
66	XMWRL2	A504	B-6	
67	XMWRL2	A505	D-5	
68				
69	XOUT2	A504	C-1	
70	XOUT2	A504	C-6	
71				
72	XPINT	A501	C-6	
73	XPINT	A504	B-6	
74				
75				
76				

No.	REMARKS

DRAWING NAME

SIGNAL ADDRESS LIST (SCNT BOARD ASS' Y)

DRAWING No.

HG5-2966-AA09

MODEL NAME	PART No.	REV.
FAX-L240	HG5-2966	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	XPISNS	A503	B-4		39	XUSBINT	A504	A-4	
2	XPISNS	A504	D-3		40	XUSBINT	A505	D-5	
3					41				
4	XRA	A503	B-4		42	XVDO	A503	B-3	

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	5MAVD	A506	B-6	
2	5MAVD	A506	D-6	
3				
4	5VS	A503	B-3	
5	5VS	A503	B-3	
6	5VS	A503	C-5	
7				
8	A3.3V	A504	A-2	
9	A3.3V	A504	B-2	
10	A3.3V	A504	D-3	
11				
12	AIN	A508	C-2	
13				
14	ANIN	A507	B-2	
15	ANIN	A507	D-4	
16	ANIN	A508	C-6	
17				
18	APUD	A503	D-4	
19	APUD	A504	D-3	
20				
21	ASF	A503	C-4	
22	ASF	A504	D-4	
23				
24	AVOUT	A503	B-5	
25	AVOUT	A504	B-2	
26				
27	BA0	A501	B-3	
28	BA0	A502	C-6	
29				
30	BA1	A501	B-3	
31	BA1	A502	C-6	
32				
33	C1	A501	B-6	
34	C1	A501	C-1	
35				
36	$\overline{C1}$	A501	C-2	
37	$\overline{C1}$	A507	A-3	
38				

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
39	CASSETTE	A501	A-6	
40	CASSETTE	A503	C-4	
41				
42	CASSETTEG	A503	A-4	
43	CASSETTEG	A503	C-3	
44				
45	CH0	A508	D-2	
46				
47	CH1	A508	D-2	
48				
49	$\overline{CI1}$	A504	D-4	
50	$\overline{CI1}$	A507	B-1	
51				
52	$\overline{CI2}$	A504	A-4	
53	$\overline{CI2}$	A507	B-1	
54				
55	CIDET1	A507	B-3	
56				
57	CIDET2	A507	B-3	
58				
59	CLK374	A503	D-2	
60	CLK374	A504	C-2	
61				
62	CLKIN48M	A504	D-2	
63	CLKIN48M	A504	D-4	
64				
65	CLKIN48N	A504	C-2	
66	CLKIN48N	A504	D-4	
67				
68	CMLRL	A501	B-1	
69	CMLRL	A501	B-6	
70	CMLRL	A508	D-3	
71				
72	$\overline{CMLRL}$	A501	B-2	
73	$\overline{CMLRL}$	A507	C-4	
74				
75	CNT1	A503	B-2	
76	CNT1	A504	C-3	

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2967-AA01

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	CPUCLKO	A501	B-6		39	FSRTH	A504	A-3	
2	CPUCLKO	A504	B-6		40				
3					41	FUTA	A503	C-2	
4	CPUD	A503	C-4		42	FUTA	A504	D-4	
5	CPUD	A504	D-3		43				
6					44	HDTD	A501	B-1	
7	CS5V	A503	B-6		45	HDTD	A501	B-6	
8	CS5V	A503	C-5		46				
9	CS5V	A504	C-1		47	$\overline{\text{HDTD}}$	A501	C-2	
10					48	$\overline{\text{HDTD}}$	A507	B-5	
11	DCLIM	A501	C-1		49				
12	DCLIM	A501	C-6		50	$\overline{\text{HOOK1}}$	A504	A-4	
13					51	$\overline{\text{HOOK1}}$	A507	A-5	
14	$\overline{\text{DCLIM}}$	A501	C-2		52				
15	$\overline{\text{DCLIM}}$	A507	C-1		53	$\overline{\text{HOOK3}}$	A504	A-4	
16					54	$\overline{\text{HOOK3}}$	A507	A-4	
17	DCSEL	A501	C-1		55	$\overline{\text{HOOK3}}$	A507	D-4	
18	DCSEL	A501	D-6		56				
19					57	HRL	A501	B-1	
20	$\overline{\text{DCSEL}}$	A501	C-2		58	HRL	A501	B-6	
21	$\overline{\text{DCSEL}}$	A507	C-1		59				
22					60	$\overline{\text{HRL}}$	A501	B-2	
23	DOOR	A503	A-3		61	$\overline{\text{HRL}}$	A507	B-6	
24	DOOR	A504	D-4		62				
25					63	IPSEL1	A504	D-3	
26	DVACC	A503	A-3		64	IPSEL1	A508	A-6	
27	DVACC	A504	A-4		65				
28					66	KI0	A503	C-2	
29	DVDCC	A503	A-3		67	KI0	A504	C-2	
30	DVDCC	A504	A-4		68				
31					69	KI1	A503	C-2	
32	ECLK	A503	D-2		70	KI1	A504	C-2	
33	ECLK	A504	C-2		71				
34					72	KI2	A503	C-2	
35	FSRD	A503	B-4		73	KI2	A504	C-2	
36	FSRD	A504	A-6		74				
37					75				
38	FSRTH	A503	B-4		76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2967-AA02

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	KI3	A503	C-2		39				
2	KI3	A504	C-2		40	MD4	A506	D-4	
3					41	MD4	A506	D-5	
4	KI4	A503	C-2		42				
5	KI4	A504	C-2		43	MD5	A506	D-4	
6					44	MD5	A506	D-5	
7	KI5	A503	C-2		45				
8	KI5	A504	C-2		46	MD6	A506	D-4	
9					47	MD6	A506	D-5	
10	KI6	A503	C-2		48				
11	KI6	A504	C-2		49	MD7	A506	D-4	
12					50	MD7	A506	D-6	
13	KI7	A503	C-2		51				
14	KI7	A504	C-2		52	MONI	A504	B-2	
15					53	MONI	A508	D-1	
16	KTONE	A504	A-4		54				
17	KTONE	A506	D-2		55	MONI1	A504	A-2	
18					56	MONI1	A506	C-1	
19	LEDON	A503	B-5		57				
20	LEDON	A504	B-2		58	MONI2	A504	A-2	
21					59	MONI2	A506	C-1	
22	LON	A503	B-3		60				
23	LON	A504	D-3		61	MONOUT	A504	A-2	
24					62	MONOUT	A506	C-3	
25	MCLKOUT	A506	A-4		63				
26	MCLKOUT	A506	B-5		64	MRXOUT	A506	A-4	
27					65	MRXOUT	A506	B-5	
28	MD0	A506	D-4		66				
29	MD0	A506	D-6		67	MSA1	A506	D-4	
30					68	MSA1	A506	D-5	
31	MD1	A506	D-4		69				
32	MD1	A506	D-6		70	MSA2	A506	D-4	
33					71	MSA2	A506	D-6	
34	MD2	A506	D-4		72				
35	MD2	A506	D-6		73	MSA3	A506	C-5	
36					74	MSA3	A506	D-6	
37	MD3	A506	D-4		75				
38	MD3	A506	D-6		76				

No.	REMARKS

DRAWING NAME

SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.

HG5-2967-AA03

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	MSA4	A506	C-5	
2	MSA4	A506	D-6	
3				
4	MSA5	A506	C-5	
5	MSA5	A506	D-6	
6				
7	MSCK	A506	A-4	
8	MSCK	A506	B-5	
9				
10	MSTRB	A506	A-4	
11	MSTRB	A506	B-5	
12				
13	NOR	A501	B-6	
14	NOR	A501	C-1	
15				
16	$\overline{\text{NOR}}$	A501	C-2	
17	$\overline{\text{NOR}}$	A507	A-3	
18				
19	OVRFLOW	A501	A-6	
20	OVRFLOW	A503	A-4	
21				
22	P3.3V1	A506	B-2	
23	P3.3V1	A506	C-5	
24	P3.3V1	A506	D-5	
25				
26	P3.3V2	A501	B-6	
27	P3.3V2	A501	C-3	
28	P3.3V2	A501	D-2	
29	P3.3V2	A501	D-4	
30	P3.3V2	A501	D-6	
31				
32	P5V21	A506	A-3	
33	P5V21	A506	A-4	
34	P5V21	A506	C-3	
35	P5V21	A506	C-6	
36	P5V21	A506	D-6	
37				
38	P5VA	A506	B-6	

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
39	P5VA	A508	D-4	
40				
41	PORL	A504	D-5	
42				
43	POSNS	A501	B-6	
44	POSNS	A503	A-4	
45				
46	PRACC	A503	B-3	
47	PRACC	A504	A-4	
48				
49	PRADIN	A501	A-6	
50	PRADIN	A504	A-2	
51				
52	PRDCC	A503	A-3	
53	PRDCC	A504	A-4	
54				
55	PRL	A501	B-1	
56	PRL	A501	B-6	
57				
58	$\overline{\text{PRL}}$	A501	B-2	
59	$\overline{\text{PRL}}$	A507	C-4	
60				
61	PWRON	A503	C-5	
62	PWRON	A503	D-6	
63	PWRON	A504	A-4	
64				
65	RA	A503	A-4	
66	RA	A504	A-6	
67				
68	RB	A503	A-4	
69	RB	A504	A-6	
70				
71	RDCLK	A506	C-5	
72	RDCLK	A506	D-3	
73				
74	RELAY1	A503	B-4	
75	RELAY1	A504	A-6	
76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2967-AA04

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	RELAY2	A503	B-4		39	SA3	A504	D-5	
2	RELAY2	A504	A-6		40	SA3	A505	A-3	
3					41	SA3	A506	C-6	
4	RIN	A506	A-4		42				
5	RIN	A508	D-4		43	SA4	A501	C-3	
6					44	SA4	A502	C-5	
7	RPWM	A503	A-4		45	SA4	A502	D-3	
8	RPWM	A504	A-6		46	SA4	A504	D-5	
9					47	SA4	A505	A-3	
10	RRL	A501	A-1		48	SA4	A506	C-6	
11	RRL	A501	B-3		49				
12					50	SA5	A501	C-3	
13	$\overline{\text{RRL}}$	A501	A-2		51	SA5	A502	C-4	
14	$\overline{\text{RRL}}$	A507	C-5		52	SA5	A502	D-3	
15					53	SA5	A504	D-5	
16	RS	A503	D-2		54	SA5	A505	A-3	
17	RS	A504	B-2		55	SA5	A506	C-6	
18					56				
19	SA0	A501	D-4		57	SA6	A501	C-3	
20	SA0	A504	D-5		58	SA6	A502	C-4	
21					59	SA6	A502	D-3	
22	SA1	A501	D-4		60	SA6	A504	D-5	
23	SA1	A502	C-3		61	SA6	A505	A-3	
24	SA1	A502	C-5		62				
25	SA1	A504	D-5		63	SA7	A501	C-3	
26	SA1	A505	A-3		64	SA7	A502	C-4	
27	SA1	A506	C-5		65	SA7	A502	D-3	
28					66	SA7	A504	D-5	
29	SA2	A501	D-4		67				
30	SA2	A502	C-3		68	SA8	A501	C-3	
31	SA2	A502	C-5		69	SA8	A502	C-4	
32	SA2	A504	D-5		70	SA8	A502	D-3	
33	SA2	A505	A-3		71	SA8	A504	D-5	
34	SA2	A506	C-6		72				
35					73	SA9	A501	C-3	
36	SA3	A501	D-4		74	SA9	A502	C-4	
37	SA3	A502	C-5		75	SA9	A502	D-1	
38	SA3	A502	D-3		76	SA9	A504	D-5	

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS' Y)

DRAWING No.
HG5-2967-AA05

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	SA10	A501	C-3		39				
2	SA10	A502	C-4		40	SA20	A501	B-3	
3	SA10	A502	D-1		41	SA20	A502	D-1	
4	SA10	A504	D-5		42				
5					43	SD0	A501	D-5	
6	SA11	A501	C-3		44	SD0	A502	C-3	
7	SA11	A502	C-5		45	SD0	A502	D-5	
8	SA11	A502	D-1		46	SD0	A504	C-6	
9	SA11	A504	D-5		47	SD0	A505	B-3	
10					48	SD0	A506	D-6	
11	SA12	A501	C-3		49				
12	SA12	A502	C-4		50	SD1	A501	D-5	
13	SA12	A502	D-1		51	SD1	A502	C-3	
14	SA12	A504	D-5		52	SD1	A502	D-5	
15					53	SD1	A504	C-6	
16	SA13	A501	B-3		54	SD1	A505	B-3	
17	SA13	A502	D-1		55	SD1	A506	D-6	
18	SA13	A504	D-4		56				
19					57	SD2	A501	D-5	
20	SA14	A501	B-3		58	SD2	A502	C-3	
21	SA14	A502	D-1		59	SD2	A502	D-5	
22	SA14	A504	D-4		60	SD2	A504	C-6	
23					61	SD2	A505	C-2	
24	SA15	A501	B-3		62	SD2	A506	D-6	
25	SA15	A502	D-1		63				
26	SA15	A504	D-4		64	SD3	A501	D-5	
27					65	SD3	A502	C-3	
28	SA16	A501	B-3		66	SD3	A502	D-5	
29	SA16	A502	C-1		67	SD3	A504	C-6	
30					68	SD3	A505	C-2	
31	SA17	A501	B-3		69	SD3	A506	D-6	
32	SA17	A502	C-1		70				
33					71				
34	SA18	A501	B-3		72				
35	SA18	A502	D-3		73				
36					74				
37	SA19	A501	B-3		75				
38	SA19	A502	D-3		76				

No.	REMARKS

DRAWING NAME

SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.

HG5-2967-AA06

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	SD4	A501	D-5		39	SD9	A505	C-2	
2	SD4	A502	C-2		40				
3	SD4	A502	D-5		41	SD10	A501	D-4	
4	SD4	A504	C-6		42	SD10	A502	C-3	
5	SD4	A505	C-2		43	SD10	A502	C-4	
6	SD4	A506	D-5		44	SD10	A504	D-6	
7					45	SD10	A505	C-2	
8	SD5	A501	D-5		46				
9	SD5	A502	C-2		47	SD11	A501	D-4	
10	SD5	A502	C-5		48	SD11	A502	C-3	
11	SD5	A504	C-6		49	SD11	A502	D-4	
12	SD5	A505	C-2		50	SD11	A504	D-6	
13	SD5	A506	D-5		51	SD11	A505	C-2	
14					52				
15	SD6	A501	D-5		53	SD12	A501	D-4	
16	SD6	A502	C-2		54	SD12	A502	C-2	
17	SD6	A502	C-5		55	SD12	A502	D-4	
18	SD6	A504	C-6		56	SD12	A504	D-6	
19	SD6	A505	C-2		57	SD12	A505	D-3	
20	SD6	A506	D-5		58				
21					59	SD13	A501	D-4	
22	SD7	A501	D-5		60	SD13	A502	C-2	
23	SD7	A502	C-2		61	SD13	A502	D-4	
24	SD7	A502	C-5		62	SD13	A504	D-6	
25	SD7	A504	C-6		63	SD13	A505	D-3	
26	SD7	A505	C-2		64				
27	SD7	A506	D-6		65	SD14	A501	D-4	
28					66	SD14	A502	C-2	
29	SD8	A501	D-4		67	SD14	A502	D-4	
30	SD8	A502	C-3		68	SD14	A504	D-6	
31	SD8	A502	C-4		69	SD14	A505	D-3	
32	SD8	A504	C-6		70				
33	SD8	A505	C-2		71	SD15	A501	D-4	
34					72	SD15	A502	C-2	
35	SD9	A501	D-4		73	SD15	A502	D-4	
36	SD9	A502	C-3		74	SD15	A504	D-5	
37	SD9	A502	C-4		75	SD15	A505	D-3	
38	SD9	A504	D-6		76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2967-AA07

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	SDCKE	A501	B-3	
2	SDCKE	A504	C-6	
3				
4	SDCKE0	A502	B-4	
5	SDCKE0	A504	D-4	
6				
7	SDCLK	A501	B-3	
8	SDCLK	A502	C-3	
9				
10	SOD	A503	D-1	
11	SOD	A504	C-2	
12				
13	SPSTP	A504	D-3	
14	SPSTP	A506	D-2	
15				
16	SR1I0	A506	A-4	
17	SR1I0	A506	B-3	
18				
19	SR4OUT	A506	A-4	
20	SR4OUT	A506	B-5	
21				
22	TONOR	A503	D-1	
23	TONOR	A504	A-3	
24				
25	TRCRNT	A503	A-3	
26	TRCRNT	A504	A-3	
27				
28	TRNFOT	A503	A-3	
29	TRNFOT	A504	A-4	
30				
31	TRPWM	A503	A-3	
32	TRPWM	A504	A-4	
33				
34	TXA1	A506	B-5	
35	TXA1	A508	B-2	
36				
37	TXA2	A506	B-5	
38	TXA2	A508	B-2	

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
39				
40	TXRX1	A507	C-1	
41	TXRX1	A508	C-6	
42				
43	TXRX2	A507	C-1	
44	TXRX2	A508	B-6	
45				
46	USB3.3V	A505	B-4	
47	USB3.3V	A505	B-4	
48	USB3.3V	A505	C-2	
49	USB3.3V	A505	D-4	
50				
51	VBB	A502	B-1	
52	VBB	A502	D-6	
53				
54	VDB	A504	A-6	
55	VDB	A504	B-1	
56				
57	VREF	A507	B-3	
58	VREF	A507	C-1	
59	VREF	A508	A-3	
60	VREF	A508	C-3	
61	VREF	A508	C-6	
62				
63	VREFH	A504	B-2	
64	VREFH	A504	C-1	
65				
66	VREFL	A504	B-1	
67	VREFL	A504	B-2	
68				
69	VTSNS	A501	A-6	
70	VTSNS	A503	C-6	
71				
72	WA	A503	B-4	
73	WA	A504	A-5	
74				
75	WB	A503	B-4	
76	WB	A504	A-5	

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.
HG5-2967-AA08

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	XACC	A503	D-4		39				
2	XACC	A504	C-2		40	XDRQGN	A501	C-6	
3					41	XDRQGN	A504	B-6	
4	XADCHG	A501	D-6		42				
5	XADCHG	A504	B-6		43	XDRQUSB	A501	D-6	
6					44	XDRQUSB	A505	D-5	
7	XAKUSB	A504	B-6		45				
8	XAKUSB	A505	D-5		46	XIN2	A504	C-1	
9					47	XIN2	A504	C-6	
10	XBDI	A503	B-3		48				
11	XBDI	A504	D-4		49	XMPOR	A506	A-4	
12					50	XMPOR	A506	B-5	
13	XCSCLK	A503	A-5		51				
14	XCSCLK	A504	B-2		52	XMRD	A501	A-3	
15					53	XMRD	A502	C-3	
16	XCSGA	A501	A-3		54	XMRD	A504	B-6	
17	XCSGA	A504	B-6		55	XMRD	A505	D-5	
18					56	XMRD	A506	C-6	
19	XCSMDM	A504	D-3		57				
20	XCSMDM	A506	C-6		58	XMWRH	A501	A-3	
21					59	XMWRH	A502	C-3	
22	XCSRAM	A501	A-3		60				
23	XCSRAM	A504	C-6		61	XMWRL1	A501	A-3	
24					62	XMWRL1	A502	C-6	
25	XCSROM	A501	A-3		63	XMWRL1	A506	C-6	
26	XCSROM	A504	C-6		64				
27					65	XMWRL2	A501	A-3	
28	XCSROMO	A502	C-3		66	XMWRL2	A504	B-6	
29	XCSROMO	A504	D-4		67	XMWRL2	A505	D-5	
30					68				
31	XCSSH	A503	A-5		69	XOUT2	A504	C-1	
32	XCSSH	A504	B-2		70	XOUT2	A504	C-6	
33					71				
34	XDEC	A503	D-4		72	XPINT	A501	C-6	
35	XDEC	A504	C-2		73	XPINT	A504	B-6	
36					74				
37	XDRQGC	A501	D-6		75				
38	XDRQGC	A504	B-6		76				

No.	REMARKS

DRAWING NAME
SIGNAL ADDRESS LIST (SCNT BOARD ASS' Y)

DRAWING No.
HG5-2967-AA09

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS	NO.	SIGNAL NAME	DWG NO.	ADDR.	REMARKS
1	XPISNS	A503	B-4		39	XUSBINT	A504	A-4	
2	XPISNS	A504	D-3		40	XUSBINT	A505	D-5	
3					41				
4	XRA	A503	B-4		42	XVDO	A503	B-2	
5	XRA	A504	A-5		43	XVDO	A504	C-3	
6					44				
7	XRB	A503	A-4		45	XWA	A503	B-4	
8	XRB	A504	A-6		46	XWA	A504	A-5	
9					47				
10	XRST2	A501	C-6		48	XWB	A503	B-4	
11	XRST2	A502	B-4		49	XWB	A504	A-5	
12	XRST2	A504	A-6		50				
13					51	XWDGOUT	A502	A-4	
14	XRSTMDM	A501	C-6		52	XWDGOUT	A504	B-6	
15	XRSTMDM	A506	B-6		53				
16					54				
17	XRSTNMI	A501	C-6		55				
18	XRSTNMI	A502	B-4		56				
19					57				
20	XRSTUSB	A501	C-6		58				
21	XRSTUSB	A505	D-5		59				
22					60				
23	XSDCAS	A501	A-3		61				
24	XSDCAS	A502	C-6		62				
25					63				
26	XSDCS	A501	A-3		64				
27	XSDCS	A502	C-6		65				
28					66				
29	XSDRAS	A501	A-3		67				
30	XSDRAS	A502	C-6		68				
31					69				
32	XSDWE	A501	A-3		70				
33	XSDWE	A502	C-6		71				
34					72				
35	XUSBCS	A504	B-6		73				
36	XUSBCS	A505	D-5		74				
37					75				
38	XUSBINT	A501	C-6		76				

No.	REMARKS

DRAWING NAME

SIGNAL ADDRESS LIST (SCNT BOARD ASS'Y)

DRAWING No.

HG5-2967-AA10

MODEL NAME	PART No.	REV.
FAX-L290	HG5-2967	01

4. POWER SUPPLY PARTS RATING LIST

Parts Ref. No.	Rating
C101	AC275V 0.22µF
C105/106	SK-10M-68Y
C107	400V 47µF
C109	2KV 47pF
C110/237	50V 10µF
C111	50V 1000pF
C112	16V 0.22µF
C113	16V 0.22µF
C114	16V 0.22µF
C121	250V 2200pF
C201/202	35V 470µF
C203	50V 0.047µF
C205	35V 470µF
C206	10V 330µF
C207	35V 470µF
C208	10V 100µF
C231	1KV 1000pF
C233	1KV 100pF
C234/236	JP
D101-105	1N4005L
D108/224/225	1SS119
D109	HZS22-1
D110	PR1003L
D201	SF5LC20U
D202	RK46
D203	AK04
D221	HZS6C1
D222	HZS5B1
D223	HZS27-2
D251	HZS11A3
F101	250V 3.15AH
FUSE HOLDER	TP00351-51
HEAT SINK	68-7413
IC101	FA3641

Parts Ref. No.	Rating
IC201	AN1431
IC202	PQ05RD21
IC203	PQ03RD13
INL101	NC-176-L5-CDG
INLET COVER	68-1282
J102	6-176976-1
J201	175390-9
J202	1-175390-0
L101/102	SS11V10062
L104/105	JP
L106	EXCELDR35V
L107	ERX2SJ470E
PC101/102	H11A817X_5632W
Q101	2SK2647
Q251	2SJ525
Q252	2PC1815Y
R101	1M 1/2W
R106/107	150K 1/2W
R110	0.15 1W
R111	22K 1/10W
R113	22 1/4W
R114	220 1/4W
R115	10 1/4W
R117	1K 1/10W
R118	47K 1/10W
R119	10K 1/10W
R120	100 1/4W
R122	220K 1/10W
R201	1K 1/10W
R203	8.2K 1/10W
R204	22K 1/10W
R205	1K 1/10W
R211	1K 1/10W
R212	1K 1/10W

No.	REMARKS

DRAWING NAME

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DRAWING No.

HH3-5389 (1/2)

MODEL NAME	PART No.	REV.
FAX-L240/L290	HH3-5389	01

Parts Ref. No.	Rating
R221	1K 1/10W
R222/223	1K 1/10W
R231/233	JP
R251	2.7K 1/10W
R252	10K 1/10W
R253	1K 1/10W
R254	10K 1/10W
R261	2.7K 1/2W
T101	22158D
TH101	8D2-07LC
VR201	NVZ06TLT B1K
Z101	TNR10SE471K

No.	REMARKS

DRAWING NAME

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DRAWING No.

HH3-5389 (2/2)

MODEL NAME	PART No.	REV.
FAX-L240/L290	HH3-5389	01