1996.12.05改定

DISPLAY UNIT (RF720A)

LCD MODULE(LQ150V1DG12)

BACKLIGHT MODULE

LCD DRIVE
2SC2712 x1
HZU3.3 x1
74LVC541 x2

DISPLAY PROCESSOR
(VIDEO RAM CONT. ECHO TRACK. LCD SIGNAL PROC.)
AC233DFP x1
uPD72020 x1

VIDEO MEMORY
74HC166 x4
HM538253J x6

3 BITS

75.6MHz

VIDEO PROCESSOR
(SAMPLING. X-Y CONV. ALARM PROC.)
AC232DFP x1
M628032 x1
uPD485505 x1
MC14046 x1

7 BITS

KEY
74HC245 x1
74HC05 x1
TLG260 x8
UN221L x2
2SC2712 x2
uPC451 x1
THS124 x4

CPU、CPU I/O
HD6413003 x1
74HC138 x2
74HC273 x2
74HC254 x1
74HC541 x2
HM62256 x1
HN27C4096 x1
24LC04B x1
74HC14 x1
74HC05 x1
74HC74 x1

VIDEO PROCESSOR(ANALOG)
AA239AFP x1
2SC3735 x3
2SA1462 x3
2SC2712 x1
2SK2158 x2
2SA1213 x1
74HC14 x1
74HC05 x1
UN221L x2
UN211L x1
uPA2003 x1
A1SS123 x2

GYRO I/F
74HC595 x2
74HC123 x1
TLP181 x2
74HC14 x1

SERIAL INTERFACE
MB89251 x1
uPA2003 x1
74HC14 x1

NMEA INTERFACE
PC356T x1
RD5.1MB2 x1
UN211F x1
A1SS123 x1

EXT. BUZZER
TLP181 x1
RD10MB x1
03P2J x1
2SK1419 x1
DF10LC20U x1

LINE FILTER

POWER SUPPLY
TC4011 x1
TLP181 x1
PC356T x1
uPC494 x2
uPC1093T x1
2SC2873 x2
2SC2712 x5
DE5SC6M x2
D1FL20U x2
RU4A x2
RD20MB2 x2
RD10MB2 x1
2SA1213 x5
RD5.1MB x2
UN221L x1
DF10LC20U x3
2SC3631 x1
UN2113 x1
A1SS123 x1
2SA1413 x2
2SK1419 x3
2SK2010 x4
2SA1162 x1
2SB1097 x1

+5V
+12V
-24V
+250V
+24V
+12V

EXTERNAL SIGNAL INTERFACE

SHIP'S SOURCE 24Vdc

SCANNER UNIT (RB718A)

SLOTTED ARRAY ANTENNA

9410MHz

REED SW.

MOTOR

216 P/R

PULSE GEN.

AZIMUTH CONV.
74HC14 x1
MC14046 x1
74HC4040 x1
74HC11 x1

AZIMUTH PULSE
2048 P/R

9410MHz

PULSE TRANS.

MAGNETRON
MSF1425B x1

CIRCULATOR
FCX68 x1

LIMTER
NJS6930 x1

9470+/-50MHz

FEM
NJT1973

HEADING SIG.

TUNING CONT.

AZIMUTH SIG.

2048 P/R

MODULATOR
FMU-16S x1
2SK1450 x4
2SJ132 x1
2SK738 x1
2SC3735 x2
2SC3736 x1
2SA1462 x1
2SA1463 x1
2SA1413 x1
2SC3631 x1

PULSE WIDTH
74HC00 x1

60MHz
IF AMPLIFIER
1SS123 x1
2SC3356 x1
AA231BFP x1
MA360 x1
AA209ASP x3
uPC324 x1
uPC803 x1
2SC3735 x2
78L05 x1
7808 x1
7805 x1

BAND SW.
1SS123 x1

+15V
+250V
+5V

SCANNER CONT. SERIAL COM.
TRIGGER GEN.
AC235AFP x1
TD62004 x1

HEADING. AZIMUTH SIG.

TRIGGER. VIDEO SIG.

TRIG.. VIDEO MIX.
2SD1005 x1
2SA1213 x1
2SA1462 x1
2SC3735 x1

MANU/AUTO TUN.
uPC451 x1
A1S2838 x1

AFC

+12V

+24V

VIDEO OUT.

SERIAL DATA COM.

A/D CONV.
TC35095 x2

+24V

POWER SUPPLY
7815 x1
7805 x1
A1S2838 x1

+15V
+5V

TUNING METER
uPC803 x1
uPD74HC4066 x1

+5V

+12V
+5V

MOTOR DRIVE
TLP181 x4
2SC2712 x2
2SB596 x1
2SA1463 x2
2SC3736 x1
uPC494 x1
IRFP150 x1
HZM5.1 x1
S880-05J x1

MONITOR
RD5.1MB2 x3
RD6.2MB2 x1
A1S2838 x1

MAGNETRON CURR.
HEATER VOLTAGE

MOTOR POWER +40Vdc

LINE FILTER

+12V

MAGNETRON HEATER
LM350 x1
HZM5.1 x1

MAGNETRON

MOD	CONTENTS	DATE	REVISED	CHECKED	APPROVED

APPROVED	CHECKED	DRAWN	DESIGNED

MODEL: RA54

KODEN KODEN ELECTRONICS CO.LTD.

TITLE: SYSTEM BLOCK DIAGRAM

DWG. NO.: E43CFB0040

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