99 MY6000 MAIN BOARD SCHEMATICS

CD Circuitry

CD CONNECTOR

CD POWER SUPPLY CIRCUITRY

ASP COMPRESSION AND PHONE CIRCUIT

From ASP processor loop

ASP CIRCUIT

Place Close to IC

PAUSE

SDA

SCL

TEMP CELL

IC501

CD_R-
CD_R+
CD_L-
CD_L+

RIGHT_AUDIO
LEFT_AUDIO

Do not populate C549

CD_R+,CD_R-,CD_L+,CD_L-

AMP_ENABLE

AMPLIFIER CIRCUIT

Note: Amplifier is NOT Reverse battery protected at outputs

TRACE_WIDTH=*_200M

To be placed near IC

AUDIO_LR

NOTE: MUTE CIRCUIT NOT REQUIRED if unmute<150ms

AUDIO_RF
AUDIO_RR

CONFIGURE

NOTE:SIGNAL GND
CHECK MICRO IP VOLTAGE

27 WAY CONNECTOR
SPEAKER CONNECTOR

LF+
LF-
RF+
RF-
LR+
LR-
RR+
RR-

27 WAY CONNECTOR
BATTERY CONNECTOR

CONNECTIONS NOT FIXED

BATTERY
KEYCODE DUMP
IGNITION
ILLUMINATION+
SWA+
GNDP
GNDP
SHUP

TRACE_WIDTH=*_200M

POWER SUPPLY CIRCUITRY

All regulator power outputs to be >600ma
(Can be smaller close to IC with engineering approval)

Place either C601a/C601

IGNITION
5V/12V_ENABLE
SWA+_ENABLE

5V_IGNITION
AMP_ENABLE
RESET
12V_STABLE
PAE

U_KEYCODE_DUMP

NEW KEY CODE DUMP CIRCUIT

TUNER CIRCUIT

CONNECT TO GROUND PLANE TO WHAP

NOTE ANTENNA CELL PIN OUT IS INCORRECT

ANTENNA SOCKET

P/N_MUPH-TBF-195148-AA

SDA_SCL

SIGNAL_QUAL,AM_AGC,SIG_STR,MTUNER_CS,MP_LEVEL

RDS DECODE CIRCUIT

Near IC for NO PLANE

CRYSTAL SHOULD BE AS CLOSE AS POSSIBLE TO IC
ENGINEERING APPROVAL REQUIRED FOR
TRACKS UNDER CRYSTAL

Do Not Place C909

P/N_MUPH-6700681BF005A

RDS_CLOCK,RDS_DATA,RDS_QUAL

MULTIPATH CIRCUIT

MICRO CIRCUITRY

IC701

P/N_MUPH-6703105BF001103

TMS370C004A1A

BOOT_CNX1:CD_RESET,CSCS,SMQ,CD_SCK,SDO,SDI,COMPRESSION

PARKING_AID_MUTE1,CLOCK_SELECT1,MUTE/PTA1

Qualification_changed-tne_eldi:i4kcc006.1

RDS_CLOCK,RDS_DATA,RDS_QUAL

KEY_STR[0:3],KEY_RTN[0:4],BOS,POWER,VOLUME1,VOLUME2,LCD_ILLUM,CLOCK_SELECT,PARKING_AID_MUTE,MUTE/PTA

TX,RX

TAPE_IN??

TAPE/CD

SPEAKER_CONFIG

REMOTE CIRCUIT

PLACE NEAR CONNECTOR BOARD

CD Connector

J2

Note: Pads for SGs & C201->C207 only to be placed if layout is not compromised.

AVC CIRCUIT

PLACE NEAR CONNECTOR BOARD

INTERFACE CIRCUITRY

PLACE NEAR CONNECTOR BOARD

ACP LINE DRIVER

Should be placed near rear connector board

Omit place R1766/7

Discontinued symbol
Replaced by eTdlc:11157F812.1

PLACE NEAR CONNECTOR BOARD

ROUTE ANALOGUE REMOTE 2 BACK TO GND NEAR MICRO

27 WAY CONNECTOR
PERIPHERAL CONNECTOR

ESD PROTECTION

Removable bezel lines must go to

TVS/321001 before routing to other circuitry

Track Pins 7/2/8 Together

FRONT BOARD CONNECTIONS

Note 28 Ways has been revised
By swapping pins 1->28, 2->27 etc

Please place test points
On this side of board

Do Not Fit Test Points

Display Illumination

Button Illumination

Notes

Notes: For Grounding Strategy

LTRS.	REVISIONS			
DATE	ORIGINATOR	CHECKER	ENG.APP.	MATL.APP.
8/1/97	DELE-I-10748168-000			Checked KSW

Q111 and Q110 Swapped

R138 Was 0603

LC Remote caps to P_GND

REMOVE R122,R123

R730,R731,&J6-14 CHANGE FROM SVMEM TO SWSV

Add R021, C014

Add R103,R104,R105,R539

C602 Part Number Changed
IC701 Part Number Updated
J11 Part Number Updated
C201-7 Part numbers added
Q102 Part No. prefixed with *** to denote not populated
Q103 Part No. prefixed with *** to denote not populated
R101 Now Part Number
R104 Part No. prefixed with *** to denote not populated
R105 Part No. prefixed with *** to denote not populated

R120 Value change to 820

R138 Value change to 1k
Z101 Component now placed

C201-8 Now populated
R405, 7, & 8 values changed
C526 not populated
R618 0 R value changed

08/07/29	DELE-E-10074882-000			SHC

REFERENCE

PART MUST COMPLY WITH SPECIFICATION WSS-M99P9999-A1
TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT

SUBJECT TO CERTIFICATION/HOMOLOGATION YES ☐ NO ☐

CAD FILE	CAD_FILE\!\!NG2I35\PDWORK2\MY6_BOARD\99000\990728_BK_M_241.0142
CAD TYPE	WORKVIEW
D.C. MODE	XXXX
SCALE	1:1
DEPT NO.	
ORIGINAL WHEN RED	

PRODUCT ENGINEERING

3RD ANGLE PROJECTION
DIMENSIONS IN MILLIMETERS

DIMENSIONING & TOLERANCING IN ACCORDANCE WITH ANSI Y14.5M-1982

MATERIAL/APPLICATION

NAME	SKETCH - WIRING DIAGRAM	SHT
	DRAWING_NAME=99 MY 6000M MAIN BOARD	OF
NO.	DRWG_NUMBER_BTM=MS-98AP-3458-BA	

DEPT_NO.=VG6630 - AUDIO