Ⓟ :TO POWER TRANSFORMER SECTION
Ⓢ :TO SYSTEM CONTROL & SERVO SECTION
Ⓣ :TO TIMER SECTION
Ⓥ :TO LUMINANCE & CHROMINANCE/AUDIO SECTION

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

TU7601
ENG57820G1:A
ENG57818G1:B/C/D/E

1 N.SW 5V
2 AUDIO OUT
3 DATA
4 N.SW 5V
5 CLOCK
6 VIDEO OUT
7
8
9
10
11 CLOCK
12 DATA
13
14 N.SW 5V
15
16 REG 30V
17 IF OUT
18 IF IN
19 SW1
20 SW2
21 TUNER AUDIO
22
23 AFC S-CURVE
24 TUNER VIDEO
25 TUNER 5V

Ⓟ UNREG 38V
Ⓢ POWER ON Ⓗ
Ⓟ UNREG 6V
Ⓢ CYLINDER VG
Ⓟ UNREG 15V
Ⓟ GND
Ⓢ Ⓥ REG 12V
Ⓥ AV 12V
Ⓢ GND
Ⓣ GND
Ⓥ GND
Ⓢ BACK UP 5V
Ⓢ Ⓥ VIDEO 5V
Ⓥ TUNER 5V
Ⓢ Ⓣ Ⓥ SYSTEM CTL 5V

Ⓥ TUNER VIDEO (A1
Ⓢ AFC S-CURVE (A2
Ⓥ TUNER AUDIO (A3
Ⓢ SW2 (A4
Ⓢ SW1 (A5
Ⓢ IIC DATA (A6
Ⓢ IIC CLOCK (A7
Ⓥ RFC VIDEO OUT (A8
Ⓥ RFC AUDIO OUT (A9

QR6002
UN2112
(POWER ON:ON)
39.5 39.4 0.1
R6039 100K
Q6003
2SD601A
(POWER ON Ⓗ :ON)
0.6

Q4683
2SC1959Y
(5V REG.)
5.9 5.1 5.9
C4604 0.01

Q3010
2SC1959Y
(5V REG.)
5.9 5.1 5.9
C4683 0.01
R4682 470
C4684 6V47
D4682 MA4056NH

Q4681
2SC1959Y
(12V REG.)
15.6 12.2 12.9
C4681 0.01

Q2501
2SD1273
(12V REG.)
15.6 12.3 12.9
R2504 6800
C2512 0.01
C2514 25V4.7
D2501 MA4130NL

R6025 470
R6026 470
R6027 470
R6028 8200

Q6002
2SD601A
(BUFFER)
11.9 7.5 8.2
R6024 2200
C6019 0.01

Q6001
2SD601A
(5V REG.)
7.5 5.7 6.4
C2013 6V330
D6001 MA165
TW1004
D6003 MA700A
R6008 1K
B6001 CR2354-1GUF
D6005 MA165

Q2002
2SD601A
(5V REG.)
6.1 5.1 5.8

Q7602
2SC1959Y
(5V REG.)
6.1 5.1 5.8
R6035 1800
C2016 0.01
C6013 6V47
D6002 MA4056NH

L7607 0
C7617 6V47
C7618 0.01
LB7601 0
C7610 1000P
L7608 27u
L7605 10u
C7616 6V47
R7608 100
C7607 33P
R7607 100
C7606 33P
R7611 330
R7601 330
C7601 50V1
D7602 MA4300NM
L7601 10u
C7605 6V47
C7608 0.01
L7603 0

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,USE ONLY THE SAME TYPE.

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-SJ230A/AM/EU/AU/BD,SJ232SA
POWER SUPPLY/RF SECTION
SCHEMATIC DIAGRAM

G F E D C B A
1 2 3 4 5 6 7 8 9 10