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

PS3901 TO HI-FI AUDIO SECTION PP3901(G-1)
GND (AV) 1
GND (AV) 2
GND (AV) 3

PS3902 TO HI-FI AUDIO SECTION PP3902(F-1)
RFC VIDEO OUT 1 (A16)
GND (AV) 2
AV1 A IN (R) 3 (A15)
AV2 A IN (R) 4 (A14)
GND (AV) 5
AV1 A IN (L) 6 (A13)
AV2 A IN (L) 7 (A12)
GND (AV) 8
AV1 A OUT (L) 9 (A11)
AV1 A OUT (R) 10 (A10)
GND (AV) 11
AV2 A OUT (R) 12 (A9)
AV2 A OUT (L) 13 (A8)
AV1 PB (H) 14 (A7)

PS3904 TO HI-FI AUDIO SECTION PP3904(E-1)
1 (B1)
PS 12V 2
AV3 VIDEO IN 3 (B2)
4
TUNER VIDEO IN 5 (A6)
GND (AV) 6
OSD IIC DATA 7
OSD IIC CLOCK 8
GND (AV) 9
10
GND (AV) 11
12
PS 5V 13
14
15
PROG (H) 16 (B5)

PS3905 TO HI-FI AUDIO SECTION PP3905(C-1)
VIDEO OUT 1 (B6)
GND (AV) 2
VIDEO IN 3 (B7)
GND (AV) 4
5 (B8)
GND (AV) 6
7
GND (AV) 8
9 (B9)
GND (AV) 10
11
AV2 PB (H) 12 (A2)
PROJECT 50 13 (A1)
14

R3921 15K

L3901 33u
C3927 6V330
C3928 0.1

IC3901 LA73023V

R3917 22K
Q3902 2SD601A (AV2 PB:ON)
R3916 18K
QR3902 UN2215 (SWITCHING)
D3901 MA165
R3919 470
R3918 470K
R3920 22K
R3914 39K
R3915 4700
Q4901 2SD1328 (RGB ON:ON)
QR3901 UN2212 (RGB OFF (H):ON)

C3915 0.01
C3916 0.1
C3917 0.1
R3910 4700
C3918 0.1
C3926 0.1
C3921 6V330
C3922 0.1
R3912 4700
C3923 0.01
C3924 0.1

44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23
C MUTE CTL1	C MUTE CTL2	CPN C IN1	FUNC SW P1	V IN3	FUNC SW P2	CPN Y IN1	EXT CTL5	V IN2	VCC	V OUT AV2	V OUT AV1	GND	CON Y OUT	CPN C OUT	CPS OUT	CTL VCC	CPN Y IN2	AV2 S IN (H)	CPN C IN2	RGB OFF (H)	V IN1
4.9	4.9	2.0	2.7	1.9	0	4.9	0.1	2.3	4.9	2.1	2.2				2.2	4.9	2.3	0.1	2.0	4.7	2.5

INTER-FACE
CLAMP (V IN3)
CLAMP (FUNC SW P2)
CLAMP (CPN Y IN1)
CLAMP (V IN2)
CLAMP (CPN Y IN2)
CLAMP (RGB OFF)
CLAMP (V IN1)

VIDEO OUTPUT SELECT SW (AV2)
VIDEO OUTPUT SELECT SW (AV1)
MUTE
CPN Y OUTPUT SELECT SW & SUPERIMPOSE
CPN C OUTPUT SELECT SW & SUPERIMPOSE
MUTE
MUTE

CPN Y INPUT SELECT SW
CPN C INPUT SELECT SW
VIDEO INPUT SELECT SW
MUTE
MUTE
MUTE
CLAMP
CLAMP
CLAMP
CLAMP
CLAMP

IIC BUS INTERFACE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
DATA	CLOCK	POWER SAVE CTL	CPN C IN3	Y DC CTL	CPN Y IN3	Y DC ADJ	CPN C IN1	ADR CTL	CPN Y IN1	GND	CON C OUT	CPN Y OUT	CPS OUT	REG FIL	V IN4	REF DC	CON C IN2	EXT CTL1	CON Y IN2	EXT CTL2	V IN5
4.9	4.9		0		2.3		0		2.3				1.3 (1.7)	1.2	1.9	2.0	0		0		1.9

R3909 220
R3908 220
C3914 0.01
R3904 0
C3913 0.1
C3912 0.1
C3911 0.01
R3928 0
C3931 0
R3927 0
C3910 1
C3909 0.01
C3908 0.1
C3907 0.01
C3906 0.1
C3905 0.01

(B15) (B16) (B6) (B8) (B7) (B2) (B1) (B9)

(A2) (A17) (A16) (A6) (A20) (A21) (A26) (A27) (A28) (A29) (A4)

TP3090
JK4903 VJJ0416
AUDIO OUT (R)
AUDIO OUT (L)
VIDEO OUT
LB4910 VLP0147
LB4911 470
LB4912 VLP0147
LB4913 470
C4918 470P
C4916 470P
R4915 75

TP4503 TP4504
LB4908 VLP0147
R4906 470
LB4909 VLP0147
R4907 470
(A10) (A11)

AV1
JK4902 VJS1470
TP4505 TP4506
LB4905 VLP0147
LB4906 VLP0147
C4909 470P
C4910 470P
C4907 47P
C4908 47P
L4901 0.22u
(A15) (A13) (A1) (A7)

(TV)	
1	AUDIO OUT CH2 (R)
2	AUDIO IN CH2 (R)
3	AUDIO OUT CH1 (L)
4	GND (A)
5	GND (BLUE)
6	AUDIO IN CH1 (L)
7	BLUE
8	PB +12V
9	GND (GREEN)
10	CONTROL
11	GREEN
12	
13	GND (RED)
14	GND (BLANK)
15	RED
16	BLANKING
17	GND (V OUT)
18	
19	VIDEO OUT
20	VIDEO IN
21	GND

(A21) (A29) (A27)
R4916 75
R4908 75
TP3003 TP3002
LB4903 VLP0147
R4901 470
LB4904 VLP0147
R4902 470
(A9) (A8)

AV2
JK4901 VJS1470
LB4901 VLP0147
LB4902 VLP0147
C4903 470P
C4904 470P
C4902 47P
C4901 47P
(A14) (A12) (A20) (A17)

(DECODER/EXT)	
1	AUDIO OUT CH2 (R)
2	AUDIO IN CH2 (R)
3	AUDIO OUT CH1 (L)
4	GND (A)
5	GND (BLUE)
6	AUDIO IN CH1 (L)
7	BLUE
8	AV2 +12V
9	GND (GREEN)
10	CONTROL
11	GREEN
12	DATA
13	GND (RED)
14	GND (BLANK)
15	RED
16	BLANKING
17	GND (V OUT)
18	GND (V IN)
19	VIDEO OUT
20	VIDEO IN
21	GND

R4904 75
R4905 75
(A28) (A26)

D3902 MA4075NM
D3903 MA4075NM
R3923 10K
Q3904 2SD601A (PROG (H):ON)
R3922 10K
Q3903 2SD601A (PROG (H):ON)
(B5) (B15) (B16)

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS( )ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.(SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL.(SP MODE)

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

NV-FJ780B
INPUT/OUTPUT PACK SCHEMATIC DIAGRAM