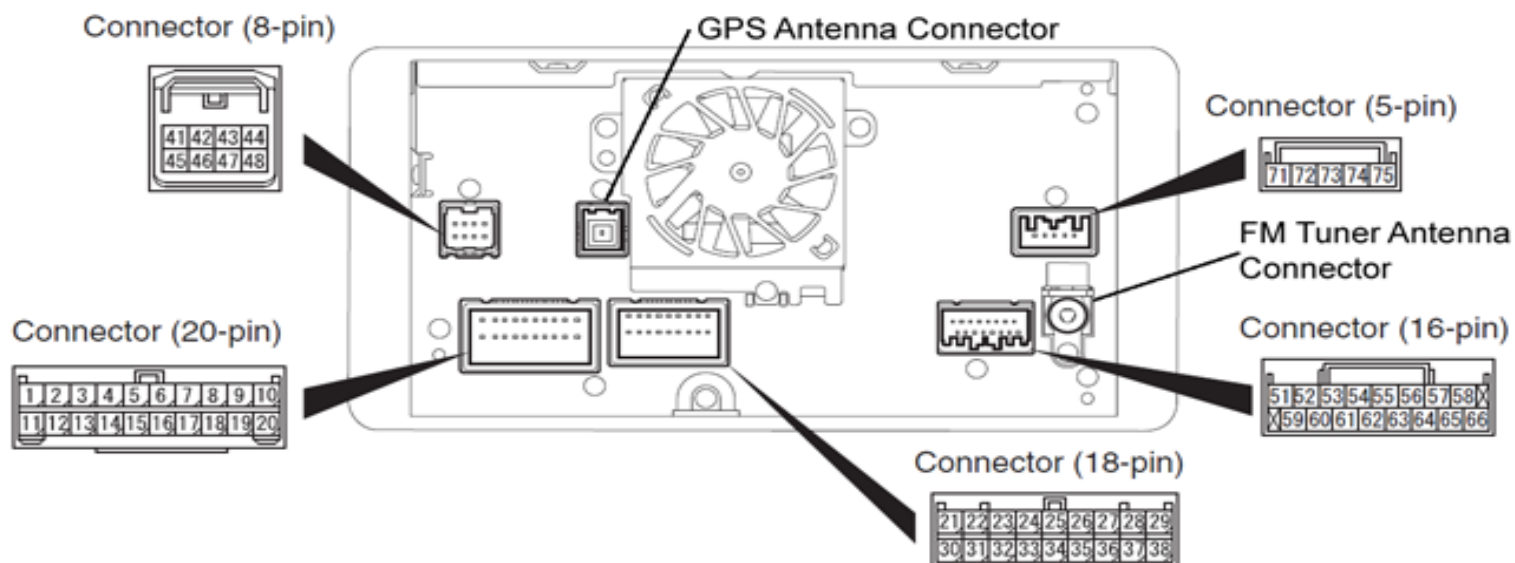
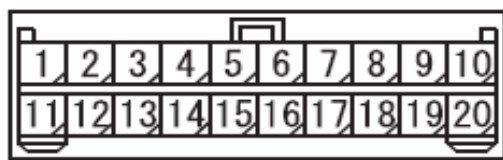


## MMCS (NR-242)



## Audio Power Supply 20P Connector



Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
1	ACC	ACCESSORY (+)	Ignition switch: ACC position	System voltage (DC)
2	REM+	REMOCON	Ignition switch: ACC position	3.3V (DC)
3	-	-	-	-
4	-	-	-	-
5	RR+	SPEAKER RR (+)	When the sound is output	0 - System voltage (AC)
6	FR+	SPEAKER FR (+)	When the sound is output	0 - System voltage (AC)
7	RL+	SPEAKER RL (+)	When the sound is output	0 - System voltage (AC)
8	FL+	SPEAKER FL (+)	When the sound is output	0 - System voltage (AC)
9	ILL+	ILLUMINATION (+)	Tail lamp switch: ON	System voltage (DC)
10	+B2	BATTERY (+)	Always	System voltage (DC)
11	SPD	VEHICLE SPEED PULSE	Ignition switch: ON	0 - System voltage (pulse)
12	REM-	REMOCON GND	Always	1 V or less
13	-	-	-	-
14	ANT+	ANTENNA +B	Ignition switch: ACC position	System voltage (DC)
15	RR-	SPEAKER RR (-)	When the sound is output	0 - System voltage (AC)
16	FR-	SPEAKER FR (-)	When the sound is output	0 - System voltage (AC)
17	RL-	SPEAKER RL (-)	When the sound is output	0 - System voltage (AC)
18	FL-	SPEAKER FL (-)	When the sound is output	0 - System voltage (AC)
19	ILL-	ILLUMINATION (-)	Always	1 V or less
20	GND2	Power GND	Always	1 V or less

## Audio Sub 18P Connector



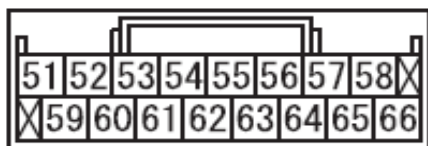
Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
21		AUX/RSES INPUT RIGHT	When the sound is input from audio and video adapter/rear display unit	1.2 Vrms (AC)
22		AUX/RSES INPUT LEFT	When the sound is input from audio and video adapter/rear display unit	1.2 Vrms (AC)
23	AAR+	HFM/USB S-INPUT RIGHT	When the hands free-ECU operation	1.2 Vrms (AC)
24	AAL+	HFM/USB S-INPUT LEFT	When the hands free-ECU operation	1.2 Vrms (AC)
25		TEL INPUT		
26	TIR+	IE-BUS INPUT RIGHT (+) (DUB Tuner)		
27	TIL+	IE-BUS INPUT LEFT (+) (DUB Tuner)		
28	AMP0	IE-BUS POWER ON	Ignition switch: ACC position	1 V or less
29	D-S+	IE-BUS (+)	Ignition switch: ACC position	More than 120mV
30	VA-	AUX/RSES INPUT GND	Always	1 V or less
31		AUX/RSES/HFM/USB SHIELD	Always	1 V or less
32	AA-	HFM/USB INPUT GND	When the hands free-ECU operation	1.2 Vrms (AC)
33		TEL INPUT GND		
34		TEL MUTE		
35	TIR-	IE-BUS INPUT RIGHT (-) (DUB Tuner)		
36	TIL-	IE-BUS INPUT LEFT (-) (DUB Tuner)		
37	-	-	-	-
38	D-S-	IE-BUS (-)	Ignition switch: ACC position	More than 120mV

## Navi Power 8P Connector



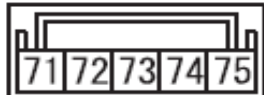
Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
41	CACC	VCC	Ignition switch: ON position; Selector lever: R position	5.8 - 7.0V (DC)
42	CDET	CAMERA DETECT	Ignition switch: ON position; Selector lever: R position	0 - 5V (DC)
43		PS-R	Ignition switch: ON position; Selector lever: R position	System voltage (DC)
44	+B	BATTERY (+)	Always	System voltage (DC)
45	CGND	GND	Always	1 V or less
46	CMP+	CAMERA SIGNAL	Ignition switch: ON position; Selector lever: R position	1Vp-p (AC)
47	CMP-	SHIELD (CAMERA)	Always	1 V or less
48	GND	GND	Always	1 V or less

## AUX 16P Connector



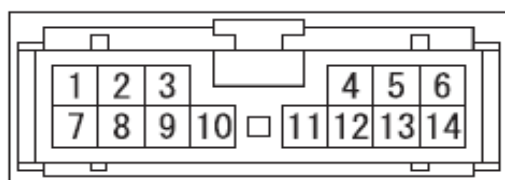
Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
51	TX-C	CAN BOX DATA TX	Ignition switch: ACC position	5V (DC)
52	SH-C	SHIELD (CAN BOX DATA)	Always	1 V or less
53		VIDEO INPUT	When the image is input from audio and video adapter	1 Vp-p (AC)
54		VIDEO DETECT	Always	1 V or less
55	-	-	-	-
56		SHIELD (MIC)		
57		MIC DETECT		
58		HFM MIC OUT		
59	RX-C	CAN BOX DATA RX	Ignition switch: ACC position	2 - System voltage(DC)
60	CK-C	CAN BOX DATA CLX	Ignition switch: ACC position	1 - 5V (DC)
61		SHIELD (VIDEO INPUT)	Always	1 V or less
62	-	-	-	-
63	-	MIC GND		
64	-	MIC SIGNAL		
65	-	SHIELD (HFM MIC OUT)		
66	-	HFM MIC OUT GND		

## Multi Around Monitor Connector



Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
71	-	-	-	-
72	-	-	-	-
73	OFSW	Camera image OFF switch signal <Vehicles with multi around monitor>	Ignition switch: ON position; Camera switch: ON	1 V or less
74	CMSW	Camera Switch Signal <Vehicles with multi around monitor>	Ignition switch: ON position; Camera switch: ON	1 V or less
75	C-ON	Image output request <Vehicles with multi around monitor>	Ignition switch: ON position; When the camera image is displayed	1 V or less
			Ignition switch: ON position; When the camera image is not displayed	4 V or more

## CAN BOX UNIT



Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
1	+B	BATTERY (+)	Always	System voltage (DC)
2	TX-C	TX (AND)	Ignition switch: ACC position	0 - 5V (DC)
3	RX-C	RX (AND)	Ignition switch: ACC position	2 - System voltage(DC)
4	-	-	-	-
5	-	-	-	-
6	ACC	ACCESSORY	Ignition switch: ACC position	System voltage (DC)
7	GND	GND	Always	1 V or less
8	SH-C	SHIELD (CAN BOX DATA)	Always	1 V or less
9	CK-C	CAN BOX DATA CLK	Ignition switch: ACC position	1 - 5V (DC)
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	CAN-	CAN-L	-	-
14	CAN+	CAN-H	-	-