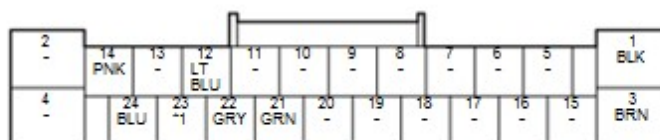


**Audio Unit Connector for Inputs and Outputs**

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**Audio Unit Connector A (24P) (female terminals) (With Stereo Amplifier)**

\*1: YEL (USA and Canada models), RED (Mexico models)

Cavity	Terminal Name	Description
A1	GND	Ground for audio unit (G504)
A2	Not used	-----
A3	+B AUDIO	Continuous power source
A4	Not used	-----
A5	Not used	-----
A6	Not used	-----
A7	Not used	-----
A8	Not used	-----
A9	Not used	-----
A10	Not used	-----
A11	Not used	-----
A12	K LINE	Detects scan tool signal (serial data)
A13	Not used	-----
A14	B-CAN_H	Communication signal
A15	Not used	-----
A16	Not used	-----
A17	Not used	-----
A18	Not used	-----
A19	Not used	-----
A20	Not used	-----

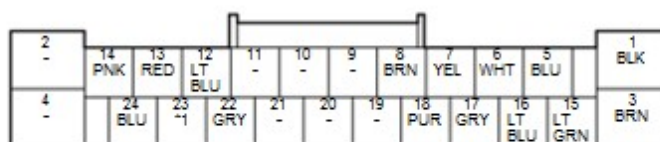
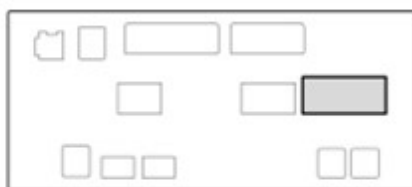
\*1: USA and Canada models

\*2: Mexico models

Cavity	Terminal Name	Description
A21	SWD+B	Outputs signal for stereo amplifier switching on/off
A22	VSP	Inputs vehicle speed pulse
A23	RR CAMERA ACC DIODE*1	Power source for accessories or detects reverse signal
	ACC*2	Power source for accessories
A24	B-CAN_L	Communication signal

\*1: USA and Canada models

\*2: Mexico models

**Audio Unit Connector A (24P) (female terminals) (Without Stereo Amplifier)**

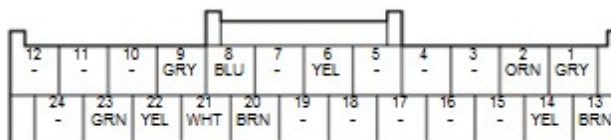
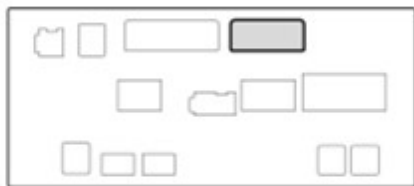
\*1: YEL (USA and Canada models), RED (Mexico models)

Cavity	Terminal Name	Description
A1	GND	Ground for audio unit (G504)
A2	Not used	----
A3	+B AUDIO	Continuous power source
A4	Not used	----
A5	RL SPKR+	Outputs sound signal for left rear speaker and left rear tweeter
A6	RL SPKR—	Outputs sound signal for left rear speaker and left rear tweeter
A7	RR SPKR+	Outputs sound signal for right rear speaker and right rear tweeter
A8	RR SPKR—	Outputs sound signal for right rear speaker and right rear tweeter
A9	Not used	----
A10	Not used	----
A11	Not used	----
A12	K LINE	Detects scan tool signal (serial data)
A13*1	ACC	Power source for accessories
A14	B-CAN_H	Communication signal
A15	FL SPKR+	Outputs sound signal for driver's door speaker and left front tweeter
A16	FL SPKR—	Outputs sound signal for driver's door speaker and left front tweeter
A17	FR SPKR+	Outputs sound signal for front passenger's door speaker and right front tweeter
A18	FR SPKR—	Outputs sound signal for front passenger's door speaker and right front tweeter
A19	Not used	----
A20	Not used	----
A21	Not used	----
A22	VSP	Inputs vehicle speed pulse
A23	RR CAMERA ACC DIODE*2	Power source for accessories or detects reverse signal
	ACC*3	Power source for accessories
A24	B-CAN_L	Communication signal

\*1: Japan production

\*2: USA and Canada models

\*3: Mexico models

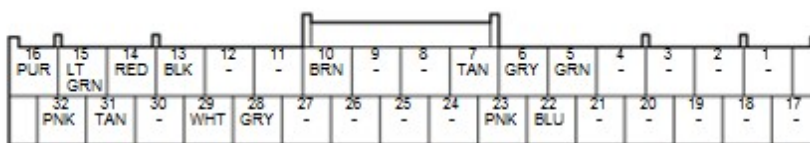
**Audio Unit Connector B (24P) (female terminals)**

Cavity	Terminal Name	Description
B1* <sup>1</sup>	AUX NAVI SH	Shield for terminals No. 2, No. 13, and No. 14
B2* <sup>1</sup>	AUX BEEP	Outputs system beep signal
B3	Not used	-----
B4	Not used	-----
B5	Not used	-----
B6* <sup>2</sup>	LANEWATCH SW	Detects LaneWatch on/off signal from LaneWatch switch
B7	Not used	-----
B8* <sup>2</sup>	LWC CAM VCC	Power source for LaneWatch camera
B9* <sup>2</sup>	SH LWC CAM	Shield for terminals No. 8, No. 20, No. 21, No. 22, and No. 23
B10	Not used	-----
B11	Not used	-----
B12	Not used	-----
B13* <sup>1</sup>	AUX NAVI	Outputs sound signal for voice guidance and Voice Recognition (VR) prompts
B14* <sup>1</sup>	AUX NAVI GND	Basis ground for terminals No. 2 and No. 13
B15	Not used	-----
B16	Not used	-----
B17	Not used	-----
B18	Not used	-----
B19	Not used	-----
B20* <sup>2</sup>	LWC CAM VID	Inputs video signal from LaneWatch camera
B21* <sup>2</sup>	LWC CAM VGND	Ground for LaneWatch camera
B22* <sup>2</sup>	UNIT TO LWC	Communication signal for LaneWatch camera
B23* <sup>2</sup>	LWC TO UNIT	Communication signal for LaneWatch camera
B24	Not used	-----

\*1: With stereo amplifier

\*2: With LaneWatch

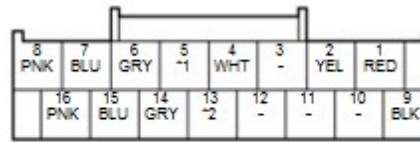
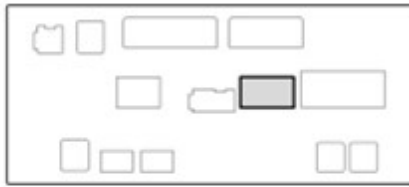
**Audio Unit Connector C (32P) (female terminals)**



Cavity	Terminal Name	Description
C1	Not used	-----
C2	Not used	-----
C3	Not used	-----
C4	Not used	-----
C5	HFT MUTE	Outputs HFL microphone directivity switching signal
C6	SH MIC	Shield for terminals No. 22 and No. 23
C7	MIC PWR	Power source for HFL microphone
C8	Not used	-----
C9	Not used	-----
C10	IG1 METER	IG1 power source
C11	Not used	-----
C12	Not used	-----
C13*	CAMERA VCC	Power source for rearview camera
C14*	CAMERA GND	Ground for rearview camera
C15	BACK LT	Detects reverse signal
C16*	CAMERA ADPT	Detects connection for rearview camera
C17	Not used	-----
C18	Not used	-----
C19	Not used	-----
C20	Not used	-----
C21	Not used	-----
C22	MIC+	Inputs sound signal from HFL microphone
C23	MIC GND	Ground for HFL microphone
C24	Not used	-----
C25	Not used	-----
C26	Not used	-----
C27	Not used	-----
C28*	SH CAMERA	Shield for terminals No. 13, No. 14, and No. 29
C29*	CAMERA V	Inputs NTSC video signal from rearview camera
C30	Not used	-----
C31*	CAMERA BIT0	Outputs mode select signal for rearview camera
C32*	CAMERA BIT1	Outputs mode select signal for rearview camera

\*: With rearview camera

#### Audio Unit Connector E (16P) (female terminals)



\*1: YEL (With CMBS), WHT (Without CMBS)

\*2: GRN (With CMBS), RED (Without CMBS)

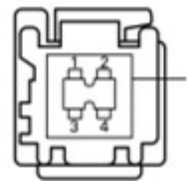
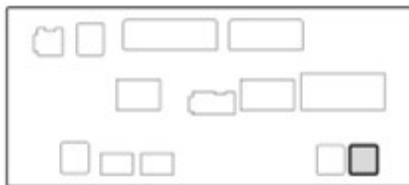
Cavity	Terminal Name	Description
E1	TUNER 6V	Power source for tuner unit
E2	TUNER 9V	Power source for tuner unit
E3	Not used	-----
E4	DISP CONT	Outputs signal for center display unit switching on/off
E5	F-CAN B_H <sup>*1</sup> F-CAN_H <sup>*2</sup>	Communication signal
E6 <sup>*3</sup>	AMP RS485 SH	Shield for terminals No. 7 and No. 8
E7 <sup>*3</sup>	RS485+	Communication signal for stereo amplifier
E8 <sup>*3</sup>	RS485—	Communication signal for stereo amplifier
E9	TUNER GND	Ground for tuner unit
E10	Not used	-----
E11	Not used	-----
E12	Not used	-----
E13	F-CAN B_L <sup>*1</sup> F-CAN_L <sup>*2</sup>	Communication signal
E14	TUNER RS485 SH	Shield for terminals No. 15 and No. 16
E15	TUNER RS485+	Communication signal for tuner unit
E16	TUNER RS485—	Communication signal for tuner unit

\*1: With CMBS

\*2: Without CMBS

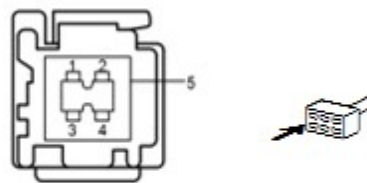
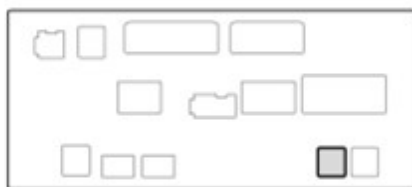
\*3: With stereo amplifier

#### Audio Unit Connector F (5P) (female terminals)

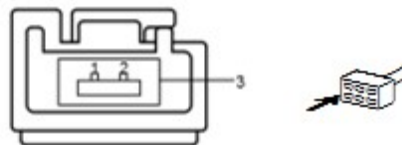
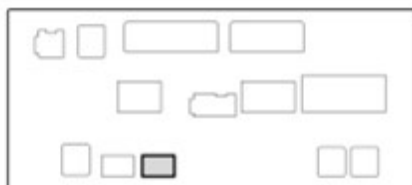


Cavity	Terminal Name	Description
F1	USB1 GND	Ground for USB port A
F2	USB1 VBUS	Outputs power source for USB port A
F3	USB1 DATA+	Communication signal
F4	USB1 DATA—	Communication signal
F5	USB1 SH	Shield for terminals No. 1, No. 2, No. 3, and No. 4

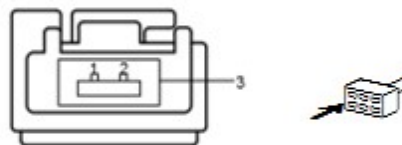


**Audio Unit Connector G (5P) (female terminals)**

Cavity	Terminal Name	Description
G1	USB2 GND	Ground for USB port B
G2	USB2 VBUS	Outputs power source for USB port B
G3	USB2 DATA+	Communication signal
G4	USB2 DATA-	Communication signal
G5	USB2 SH	Shield for terminals No. 1, No. 2, No. 3, and No. 4

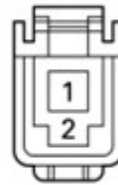
**Audio Unit Connector H (3P) (female terminals)**

Cavity	Terminal Name	Description
H1	LVDS1+	Communication signal for center display unit
H2	LVDS1-	Communication signal for center display unit
H3	LVDS1 SH	Shield for terminals No. 1 and No. 2

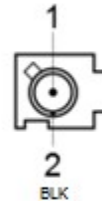
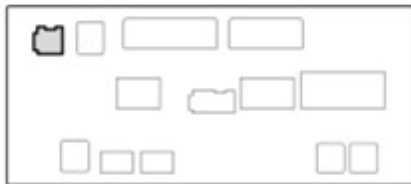
**Audio Unit Connector J (3P) (female terminals)**

Cavity	Terminal Name	Description
J1	LVDS2+	Communication signal for gauge control module
J2	LVDS2-	Communication signal for gauge control module
J3	LVDS2 SH	Shield for terminals No. 1 and No. 2

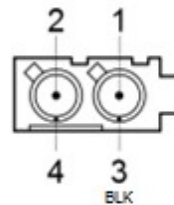
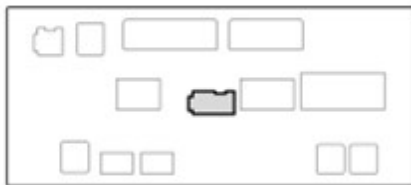


**Audio Unit Connector K (2P) (female terminals)**

Cavity	Terminal Name	Description
K1	GPS ANT	Inputs GPS signal
K2	GPS SH	Shield for terminal No. 1

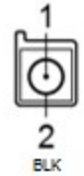
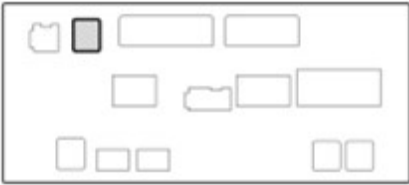
**Audio Unit Connector L (2P) (female terminals)**

Cavity	Terminal Name	Description
L1	SPDIF1 SIG	Communication signal for tuner unit
L2	SPDIF1 SH	Shield for terminal No. 1

**Audio Unit Connector M (4P) (female terminals) (With Stereo Amplifier)**

Cavity	Terminal Name	Description
M1	SPDIF2 SIG	Communication signal for stereo amplifier
M2	Not used	----
M3	SPDIF2 SH	Shield for terminal No. 1
M4	Not used	----

**Audio Unit Connector N (2P) (female terminals) (With XM)**



Cavity	Terminal Name	Description
N1	SAT/TER	Inputs satellite/terrestrial signal
N2	SH(SAT/TER)	Shield for terminal No. 1