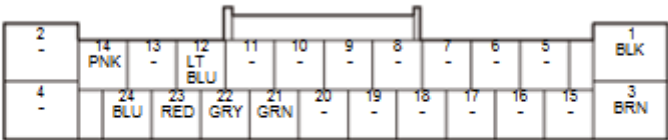
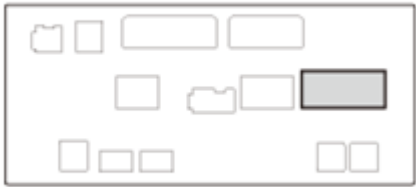


Audio Unit Connector for Inputs and Outputs

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AUDIO UNIT CONNECTOR A (24P) (With Stereo Amplifier)

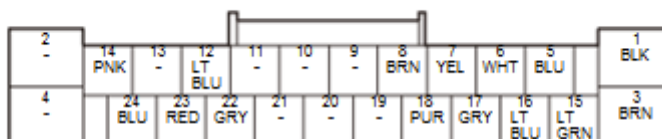


Wire side of female terminals

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	-----
A21	SWD +B	Outputs signal for stereo amplifier switching on/off

Cavity	Terminal Name	Description
A22	VSP	Inputs vehicle speed pulse
A23	ACC	Power source for accessories
A24	B-CAN_L	Communication signal

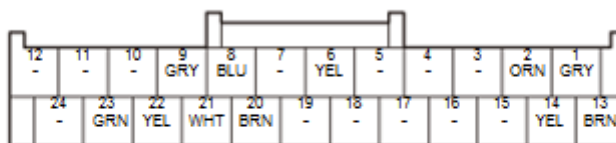
AUDIO UNIT CONNECTOR A (24P) (Without Stereo Amplifier)



Wire side of female terminals

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	Not used	-----
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	ACC	Power source for accessories
A24	B-CAN_L	Communication signal

AUDIO UNIT CONNECTOR B (24P)



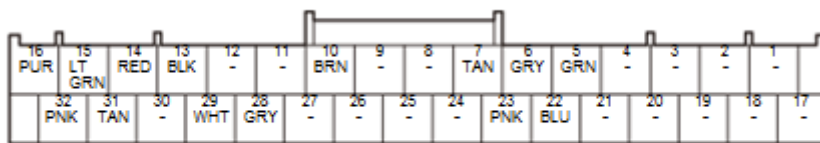
Wire side of female terminals

Cavity	Terminal Name	Description
B1 ^{*1}	AUX NAVI SH	Shield for terminals No. 2, No. 13, and No. 14
B2 ^{*1}	AUX BEEP	Outputs system beep signal
B3	Not used	----
B4	Not used	----
B5	Not used	----
B6 ^{*2}	LANEWATCH SW	Detects LaneWatch on/off signal from LaneWatch switch
B7	Not used	----
B8 ^{*2}	LWC CAM VCC	Power source for LaneWatch camera
B9 ^{*2}	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 ^{*1}	AUX NAVI	Outputs sound signal for voice guidance and Voice Recognition (VR) prompts
B14 ^{*1}	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 ^{*2}	LWC CAM VID	Inputs video signal from LaneWatch camera
B21 ^{*2}	LWC CAM VGND	Ground for LaneWatch camera
B22 ^{*2}	UNIT TO LWC	Communication signal for LaneWatch camera
B23 ^{*2}	LWC TO UNIT	Communication signal for LaneWatch camera
B24	Not used	----

*1: With Stereo Amplifier

*2: With LaneWatch

AUDIO UNIT CONNECTOR C (32P)

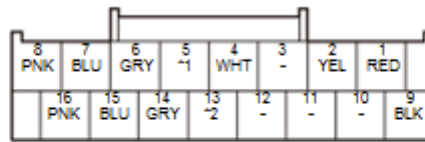
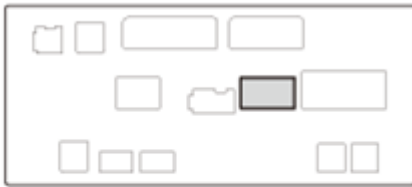


Wire side of female terminals

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)



Wire side of female terminals

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

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

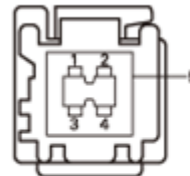
Cavity	Terminal Name	Description
E1	TUNER 6V	Power source for tuner unit
E2	TUNER 9V	Power source for tuner unit
E3	Not used	----
E4	DISP CONT	Outputs signal for center display unit switching on/off
E5	F-CAN B_H ^{*1} F-CAN_H ^{*2}	Communication signal
E6 ^{*3}	AMP RS485 SH	Shield for terminals No. 7 and No. 8
E7 ^{*3}	RS485+	Communication signal for stereo amplifier
E8 ^{*3}	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 ^{*1} F-CAN_L ^{*2}	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)

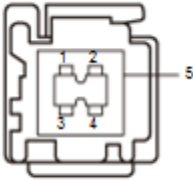


Terminal side of female terminals

Cavity	Terminal Name	Description
F1	USB1 GND	Ground for USB port A
F2	USB1 VBUS	Outputs power source for USB port A

Cavity	Terminal Name	Description
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

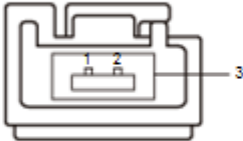
AUDIO UNIT CONNECTOR G (5P)



Terminal side of 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

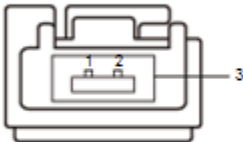
AUDIO UNIT CONNENTOR H (3P)



Terminal side of 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

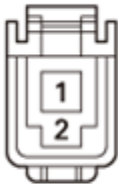
AUDIO UNIT CONNECTOR J (3P)



Terminal side of 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)



Terminal side of female terminals

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

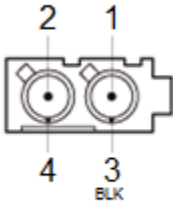
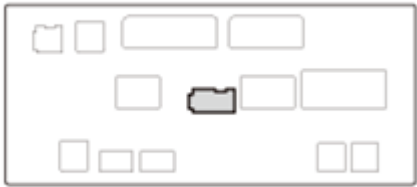
AUDIO UNIT CONNECTOR L (2P)



Terminal side of 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) (With Stereo Amplifier)



Terminal side of female terminals

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) (With XM)



Terminal side of female terminals

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