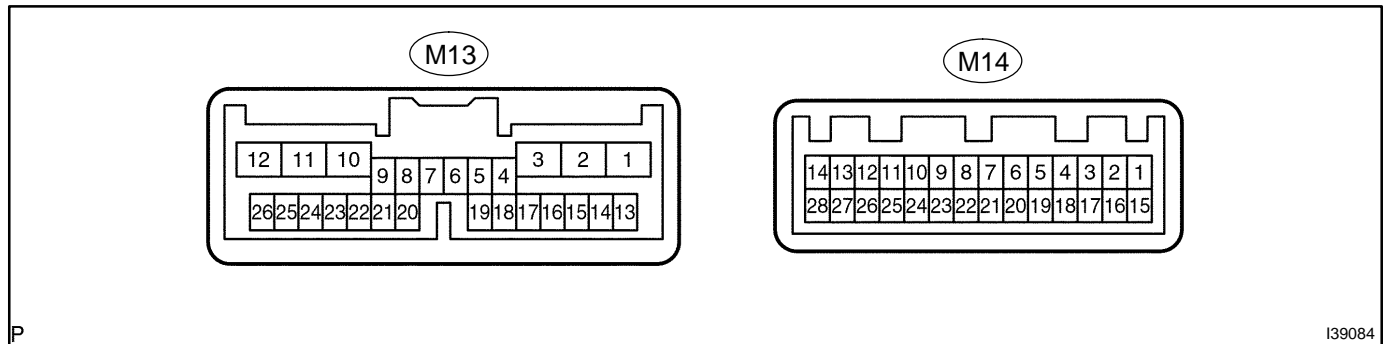


TERMINALS OF ECU

1. MULTI-DISPLAY ASSY:



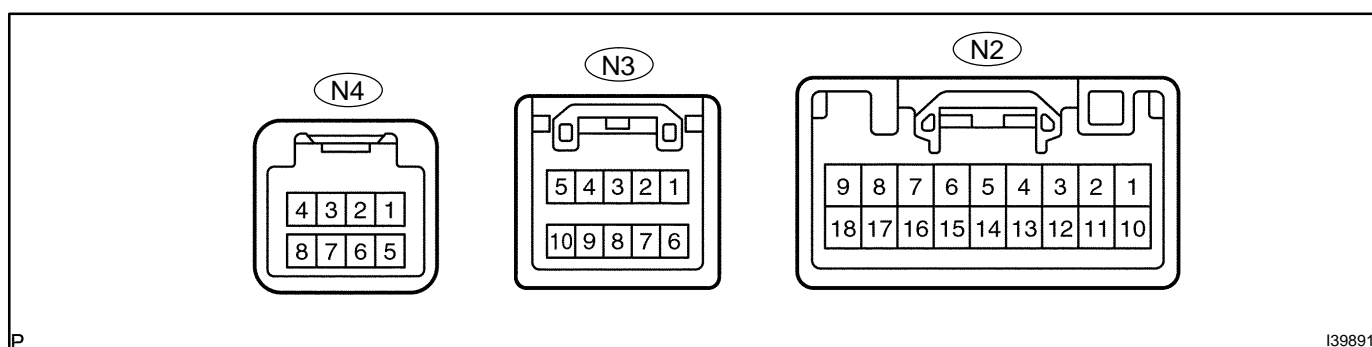
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Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
SGND (M14-3) – Body ground	BR – Body ground	Ground	Always	Below 1 V
MIN+ (M14-4) – GND1 (M13-3)	G – BR	Microphone voice signal	See "microphone check"	–
MIN– (M14-5) – Body ground	R – Body ground	Microphone voice signal	See "microphone check"	–
MACC (M14-6) – GND1 (M13-3)	BR – BR	Microphone Accessory	Power Switch OFF → ON (IG)	Below 1 V → 5 V
SLD (M14-20) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
MCO+ (M14-18) – GND1 (M13-3)	R – BR	Microphone voice signal	See "microphone check"	–
MCO– (M14-19) – GND1 (M13-3)	G – BR	Microphone voice signal	See "microphone check"	–
SLD (M14-20) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
IVO+ (M14-21) – GND1 (M13-3)	B – BR	Telephone voice signal (buletooth)	See "microphone check"	–
IVO– (M14-22) – GND1 (M13-3)	W – BR	Telephone voice signal (buletooth)	See "microphone check"	–
VR (M14-23) – GND1 (M13-3)	Y – BR	Video return signal	Power Switch OFF	Below 1 V
R (M14-24) – GND1 (M13-3)	B – BR	Display signal (red)	Navigation display is on	–
G (M14-25) – GND1 (M13-3)	W – BR	Display signal (green)	Navigation display is on	–
B (M14-26) – GND1 (M13-3)	R – BR	Display signal (blue)	Navigation display is on	–
SYNC (M14-27) – GND1 (M13-3)	G – BR	Display signal (synchronize)	Navigation display is on	–
VG (M14-28) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
ILL+ (M13-1) – GND1 (M13-3)	G – BR	Illumination (rheostat) signal	Power Switch OFF → ON (IG)	Below 1 V → 10 to 14 V
ILL– (M13-2) – Body ground	W-B – Body ground	Illumination (rheostat) signal	Power Switch OFF → ON (IG)	Below 1 V → 10 to 14 V
GND1 (M13-3) – Body ground	BR – Body ground	Ground	Always	Below 1 V
TC (M13-7) – GND1 (M13-3)	P – BR	Diagnosis ON signal	Power Switch ON (IG)	9 to 14 V
IG (M13-10) – GND1 (M13-3)	B – BR	Ignition (ON)	Power Switch OFF → ON (IG)	Below 1 V → 10 to 14 V

ACC (M13-11) – GND1 (M13-3)	GR – BR	Accessory (ON)	Power Switch OFF → ON (ACC) or ON (IG)	Below 1 V → 10 to 14 V
+B1 (M13-12) – GND1 (M13-3)	Y – BR	Battery	Always	10 to 14 V
PKB (M13-16) – GND1 (M13-3)	R – BR	Parking brake signal	Turn parking brake switch ON → OFF	Below 1 V → 10 to 14 V
TX2+ (M13-18) – GND1 (M13-3)	P – BR	AVC-LAN communication signal	Power Switch ON (IG)	2 to 3 V
TX2- (M13-19) – GND1 (M13-3)	W – BR	AVC-LAN communication signal	Power Switch ON (IG)	2 to 3 V
SPD (M13-25) – GND1 (M13-3)	V – BR	Speed signal from combination meter	See "vehicle signal check mode"	–

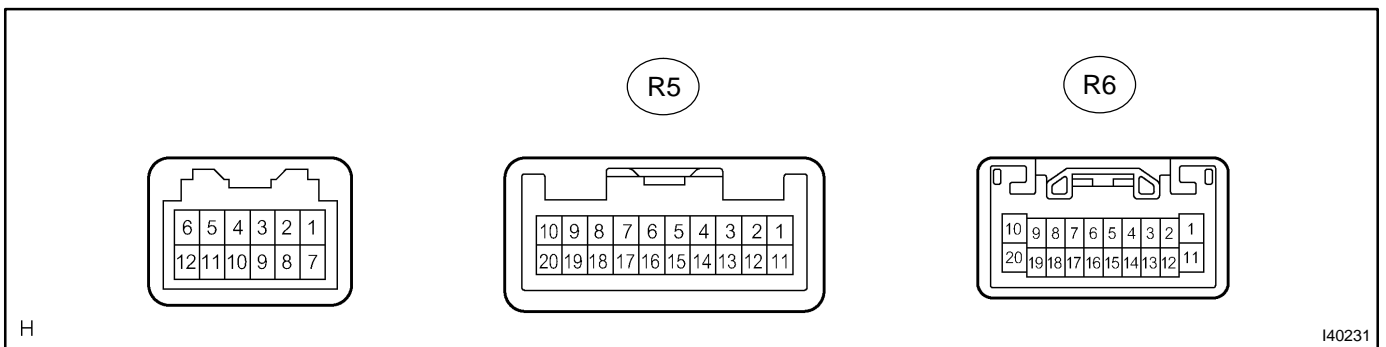
2. NAVIGATION ECU:



Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
AUI+ (N2-1) – GND1 (N2-17)	P – W-B	Sound signal (input)	Audio system is playing	–
AUO+ (N2-2) – GND1 (N2-17)	P – W-B	Sound signal (output)	Audio system is playing	–
SLD1 (N2-3) – Body ground	BR – Body ground	Shielded ground	Always	Below 1.0 V
SPD (N2-5) – GND1 (N2-17)	V – W-B	Speed signal from combination meter	See "Vehicle Signal Check Mode" (see page 05-1857)	–
+B (N2-9) – GND1 (N2-17)	SB – W-B	Battery	Always	10 to 14 V
AUI- (N2-10) – GND1 (N2-17)	V – W-B	Sound signal (input)	Audio system is playing	–
AUO- (N2-11) – GND1 (N2-17)	V – W-B	Sound signal (output)	Audio system is playing	–
VOI+ (N2-12) – SLD1 (N2-3)	B – Body ground	Telephone voice signal (buletooth)	See "microphone check"	–
VOI- (N2-13) – SLD1 (N2-3)	W – Body ground	Telephone voice signal (buletooth)	See "microphone check"	–
REV (N2-14) – GND1 (N2-17)	R – W-B	Reverse signal from combination meter	See "Vehicle Signal Check Mode" (see page 05-1857)	–
MUT2 (N2-15) – GND1 (N2-17)	W – W-B	Mute signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
GND1 (N2-17) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
ACC (N2-18) – GND1 (N2-17)	GR – W-B	Accessory (ON)	Power Switch OFF → ON (ACC) or ON (IG)	Below 1 V → 10 – 14 V
VR (N3-1) – GND1 (N2-17)	Y – W-B	Video return signal	Power Switch OFF	Below 1 V
R (N3-2) – GND1 (N2-17)	B – W-B	Display signal (red)	Navigation display is on	–
B (N3-3) – GND1 (N2-17)	G – W-B	Display signal (blue)	Navigation display is on	–

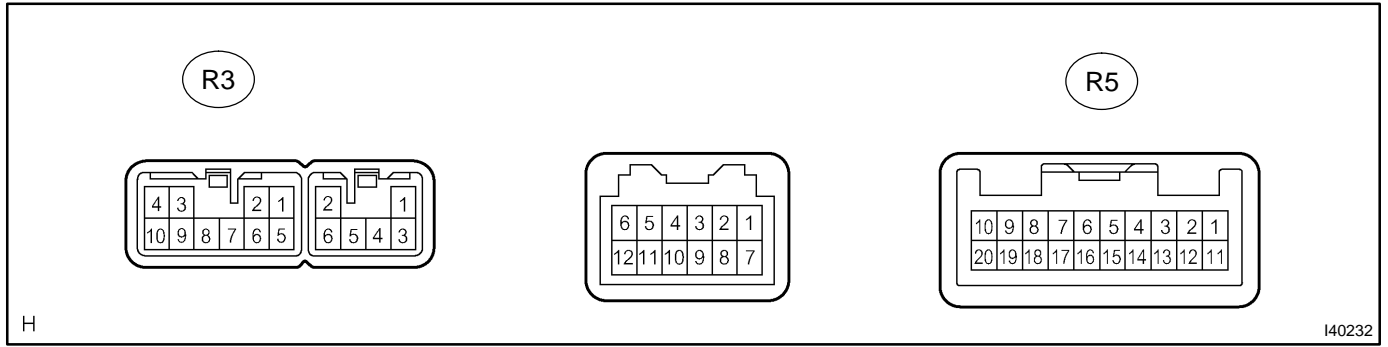
TX+ (N3-5) – GND1 (N2-17)	W – W-B	AVC-LAN communication signal	Power Switch ON (IG)	2 to 3 V
VG (N3-6) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
G (N3-7) – GND1 (N2-17)	W – W-B	Display signal (green)	Navigation display is on	–
SYNC (N3-8) – GND1 (N2-17)	G – W-B	Display signal (synchronize)	Navigation display is on	–
TX- (N3-10) – GND1 (N2-17)	P – W-B	AVC-LAN communication signal	Power Switch ON (IG)	2 to 3 V
MIC+ (N4-3) – GND1 (N2-17)	R – W-B	Microphone voice signal	See "microphone check"	–
MIC- (N4-5) – GND1 (N2-17)	G – W-B	Microphone voice signal	See "microphone check"	–
SNSE (N4-7) – Body ground	W-B – Body ground	Ground	Always	Below 1 V

3. RADIO RECEIVER ASSY (SEPARATE TYPE AMPLIFIER):



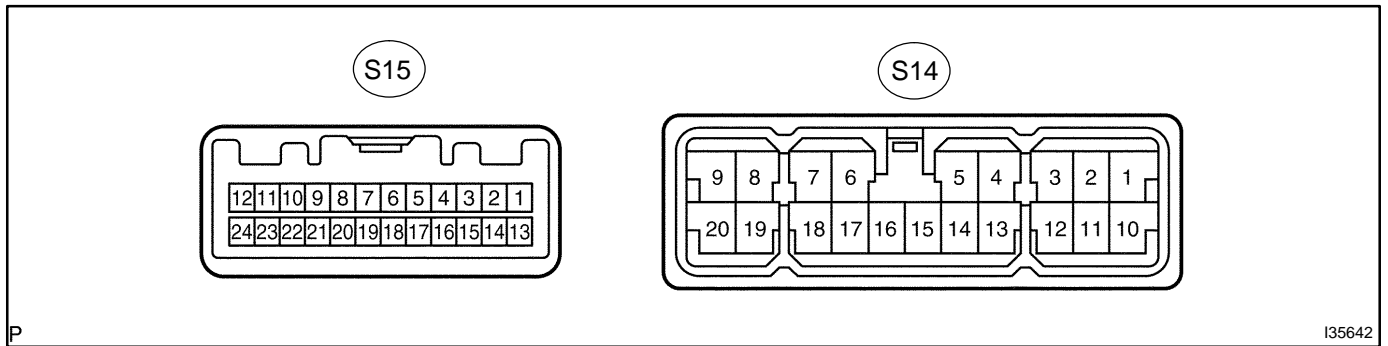
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX+ (R5-9) – GND (R6-20)	P – BR	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
TX- (R5-10) – GND (R6-20)	W – BR	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
TX+ (R6-5) – GND (R6-20)	P – BR	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
TX- (R6-15) – GND (R6-20)	O – BR	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
GND (R6-20) – Body ground	BR – Body ground	Ground	Always	Below 1 Ω

4. RADIO RECEIVER ASSY (BUILT-IN TYPE AMPLIFIER):



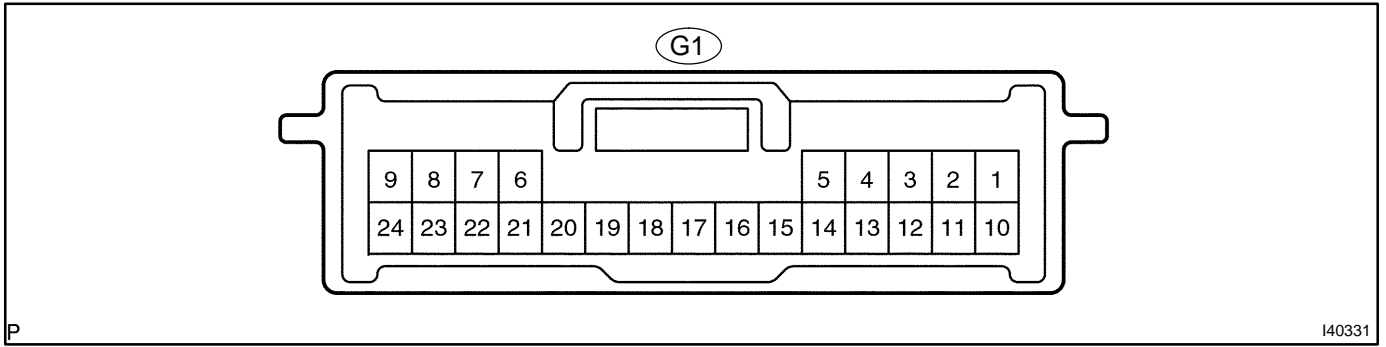
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX1+ (R5-9) – GND (R3-7)	P – BR	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
TX1- (R5-10) – GND (R3-7)	W – BR	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
GND (R3-7) – Body ground	BR – Body ground	Ground	Always	Below 1 Ω

5. STEREO COMPONENT AMPLIFIER ASSY:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GND (S14-16) – Body ground	W-B – Body ground	Ground	Always	Below 1 Ω
TX- (S15-7) – GND (S14-16)	O – W-B	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
TX+ (S15-8) – GND (S14-16)	P – W-B	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V

6. GATEWAY ECU:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GTX+ (G1-6) – GND (G1-24)	B – W-B	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
GTX- (G1-21) – GND (G1-24)	W – W-B	AVC-LAN communication signal	Power Switch ON (ACC)	2 to 3 V
GND (G1-24) – Body ground	W-B – Body ground	Ground	Always	Below 1 Ω