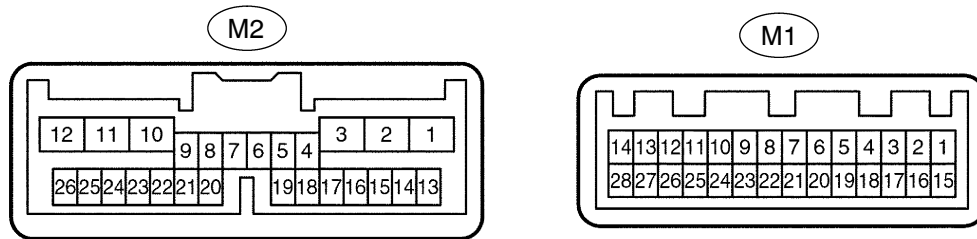


TERMINALS OF ECU

1. MULTI-DISPLAY ASSY:



P

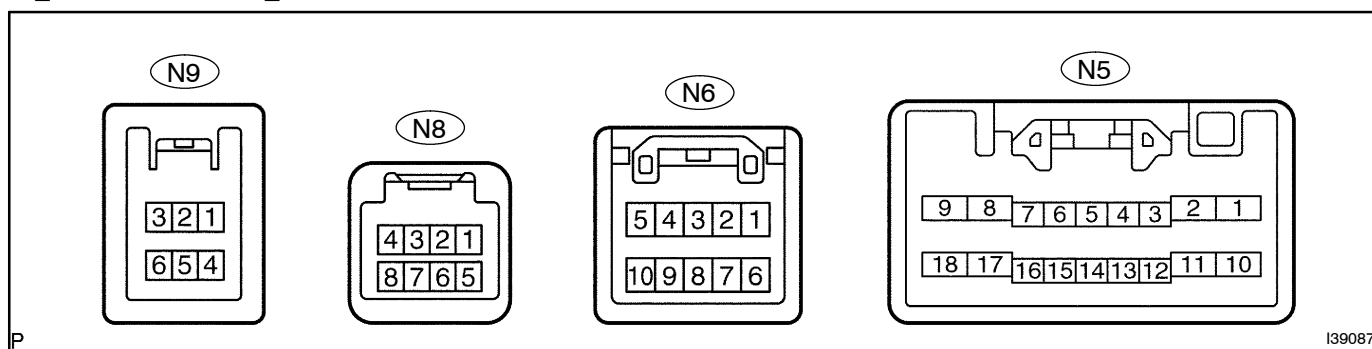
I39084

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
GND (M1-3) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
MCI+ (M1-4) – GND (M2-3)	R*1, Y*2 – W-B	Microphone voice signal	See "microphone check"	–
MCI- (M1-5) – Body ground	G*1, BR*2 – Body ground	Microphone voice signal	See "microphone check"	–
MACC (M1-6) – GND (M2-3)	W*1, O*2 – W-B	Microphone Accessory	Turn ignition switch OFF → ON	Below 1 V → 5 V
TELSW+ (M1-9) – GND (M2-3)	P*1, O*2 – W-B	Steering pad switch (telephone) signal	Steering pad switch (telephone) is push	–
TELSW- (M1-10) – Body ground	BR – Body ground	Steering pad switch ground	Always	Below 1 V
SLD (M1-17) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
MCO+ (M1-18) – GND (M2-3)	G*1, Y*2 – W-B	Microphone voice signal	See "microphone check"	–
MCO- (M1-19) – GND (M2-3)	R*1, BR*2 – W-B	Microphone voice signal	See "microphone check"	–
SLD (M1-20) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
IVO+ (M1-21) – GND (M2-3)	Y*1, P*2 – W-B	Telephone voice signal (bluetooth)	See "microphone check"	–
IVO- (M1-22) – GND (M2-3)	BR*1, L*2 – W-B	Telephone voice signal (bluetooth)	See "microphone check"	–
VR (M1-23) – GND (M2-3)	Y – W-B	Video return signal	Turn ignition switch OFF	Below 1 V
R (M1-24) – GND (M2-3)	R – W-B	Display signal (red)	Navigation display is on	–
G (M1-25) – GND (M2-3)	W – W-B	Display signal (green)	Navigation display is on	–
B (M1-26) – GND (M2-3)	B*1, R*2 – W-B	Display signal (blue)	Navigation display is on	–
SYNC (M1-27) – GND (M2-3)	G – W-B	Display signal (synchronize)	Navigation display is on	–
VG (M1-28) – Body ground	Shielded – Body ground	Shielded ground	Always	Below 1 V
ILL+ (M1-8)*1, (M2-1)*2 – GND (M2-3)	G – W-B	Illumination (rheostat) signal	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
ILL- (M1-8)*1, (M2-2)*2 – Body ground	W-G – Body ground	Illumination (rheostat) signal	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
GND (M1-7)*1, (M2-3)*2 – Body ground	W-B – Body ground	Ground	Always	Below 1 V
TC (M2-7) – GND (M2-3)	P-B – W-B	Diagnosis ON signal	Turn ignition switch to the ON position	9 to 14 V

IG(M2-10) - GND(M2-3)	LG-R - W-B	Ignition(ON)	Turn Ignition switch OFF → ON	Below 1 V → 10 to 14 V
ACC(M2-11) - GND(M2-3)	GR - W-B	Accessory(ON)	Turn Ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
+B1(M2-12) - GND(M2-3)	R-G*1, L-Y*2 - W-B	Battery	Always	10 to 14 V
PKB(M2-16) - GND(M2-3)	LG*1, B-W*2 - W-B	Parking Brake signal	Turn Parking Brake switch ON → OFF	Below 1 V → 10 to 14 V
TX2+(M2-18) - GND(M2-3)	G*1, Y*2 - W-B	AVC-LAN communication signal	Turn Ignition switch to ON	2 to 3 V
TX2-(M2-19) - GND(M2-3)	R*1, B*2 - W-B	AVC-LAN communication signal	Turn Ignition switch to ON	2 to 3 V
SPD(M2-25) - GND(M2-3)	V-W - W-B	Speed signal from combination meter	See "vehicle signal check mode"	-

*1: LHD

*2: RHD

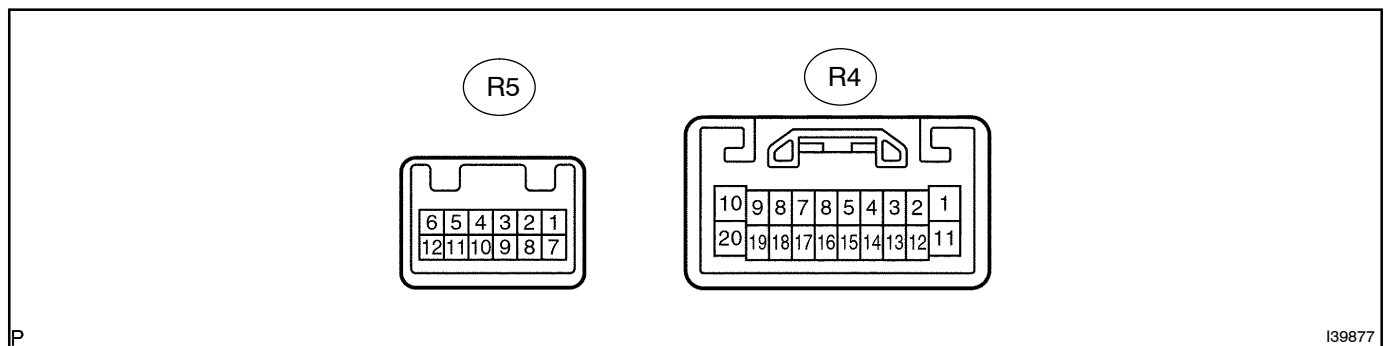
2. NAVIGATION ECU:

Symbols(Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
AUI+(N5-1) - GND1(N5-17)	P*1, B*2 - W-B	Sound signal(input)	Audio system is playing	-
AUO+(N5-2) - GND1(N5-17)	P*1, LG*2 - W-B	Sound signal(output)	Audio system is playing	-
SLD1(N5-3) - Body ground	Shielded - Body ground	Shielded ground	Always	Below 1.0 V
SPD(N5-5) - GND1(N5-17)	V - W-B	Speed signal from combination meter	See "Vehicle Signal Check Mode" (see page 05-1755)	-
+B(N5-9) - GND1(N5-17)	V*1, Y*2 - W-B	Battery	Always	10 to 14 V
AUI-(N5-10) - GND1(N5-17)	L - W-B	Sound signal(input)	Audio system is playing	-
AUO-(N5-11) - GND1(N5-17)	V*1, L*2 - W-B	Sound signal(output)	Audio system is playing	-
VOI+(N5-12) - SLD1(N5-3)	Y*1, R*2 - Shielded	Telephone voice signal (bluetooth)	See "microphone check"	-
VOI-(N5-13) - SLD1(N5-3)	BR*1, G*2 - Shielded	Telephone voice signal (bluetooth)	See "microphone check"	-
REV(N5-14) - GND1(N5-17)	L*1, D*2 - W-B	Reverse signal from combination meter	See "Vehicle Signal Check Mode" (see page 05-1755)	-
MUT2 (N5-15) - GND1 (N5-17)	SB - W-B	Mute signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
GND1 (N5-17) - Body ground	W-B - Body ground	Ground	Always	Below 1 V

ACC (N5-18) - GND1 (N5-17)	GR - W-B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
VR (N6-1) - GND1 (N5-17)	R*1, Y*2 - W-B	Video return signal	Turn ignition switch OFF	Below 1 V
R (N6-2) - GND1 (N5-17)	Y*1, B*2 - W-B	Display signal (red)	Navigation display is on	-
B (N6-3) - GND1 (N5-17)	G - W-B	Display signal (blue)	Navigation display is on	-
TX+ (N6-5) - GND1 (N5-17)	B*1, LG*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
VG (N6-6) - Body ground	Shielded - Body ground	Shielded ground	Always	Below 1 V
G (N6-7) - GND1 (N5-17)	W - W-B	Display signal (green)	Navigation display is on	-
SYNC (N6-8) - GND1 (N5-17)	B*1, G*2 - W-B	Display signal (synchronize)	Navigation display is on	-
TX- (N6-10) - GND1 (N5-17)	W*1, L*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MIC+ (N8-3) - GND1 (N5-17)	G*1, Y*2 - W-B	Microphone voice signal	See "microphone check"	-
MIC- (N8-5) - GND1 (N5-17)	R*1, BR*2 - W-B	Microphone voice signal	See "microphone check"	-
SNSE (N8-7) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
TX1+ (N9-1) - GND1 (N5-17)	L*1, LG*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX1- (N9-4) - GND1 (N5-17)	LG*1, L*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

*1: LHD

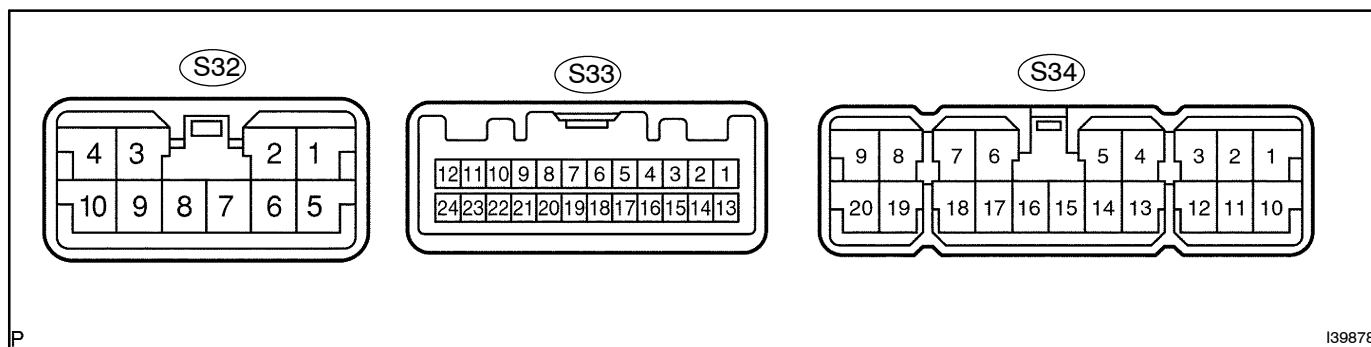
*2: RHD

3. RADIO RECEIVER ASSY:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX+ (R4-5) - GND (R4-20)	B*1, G*2 - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX- (R4-15) - GND (R4-20)	W*1, R*2 - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (R4-20) - Body ground	BR - Body ground	Ground	Always	Below 1 V
TXM+ (R5-9) - GND (R4-20)	Y*1, B*2 - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXM- (R5-10) - GND (R4-20)	B*1, W*2 - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

*1: LHD

*2: RHD

4. STEREO COMPONENT AMPLIFIER ASSY:

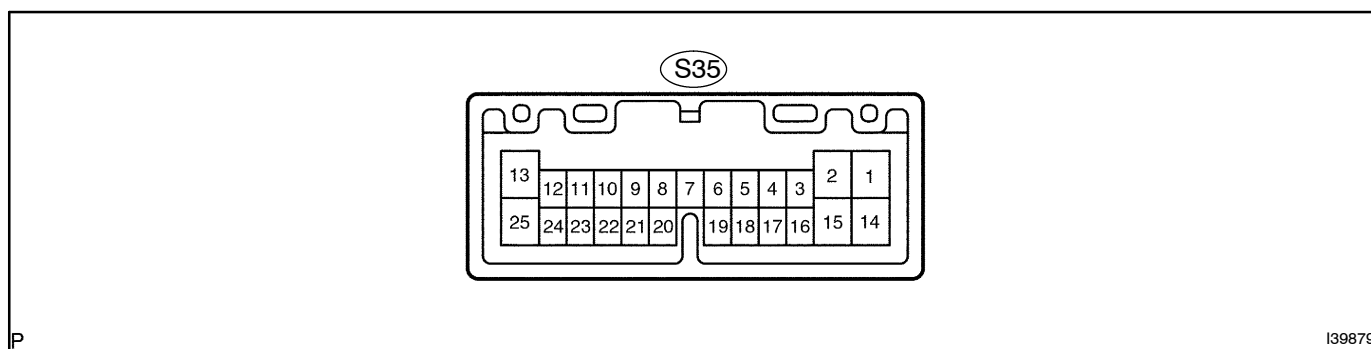
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX-*1, MTX-*2 (S33-7) - GND (S34-16)	LG*3, W*4 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+*1, MTX+*2 (S33-8) - GND (S34-16)	L*2, B*4 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXD-*1, RTX-*2 (S33-19) - GND (S34-16)	R - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXD+*1, RTX+*2 (S33-20) - GND (S34-16)	G - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (S34-16) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

*1: Mark Levinson Models

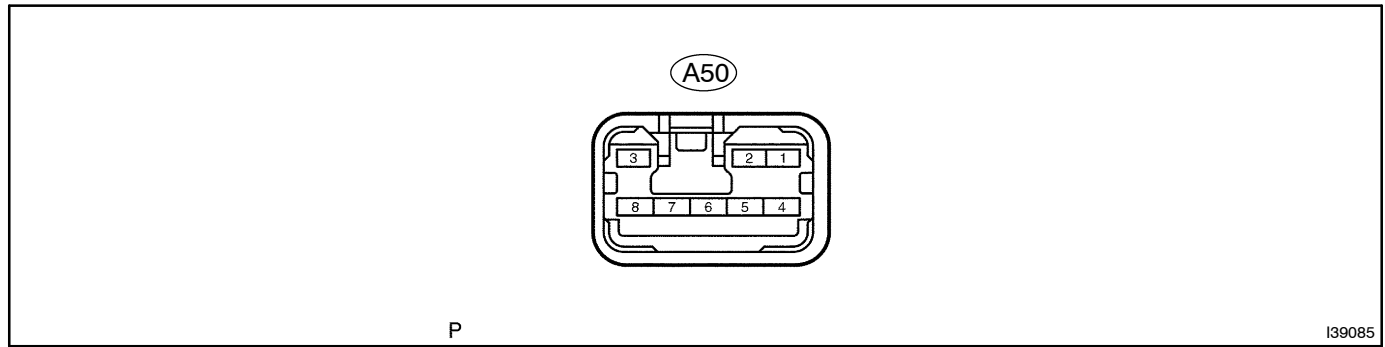
*2: Standard Models

*3: LHD

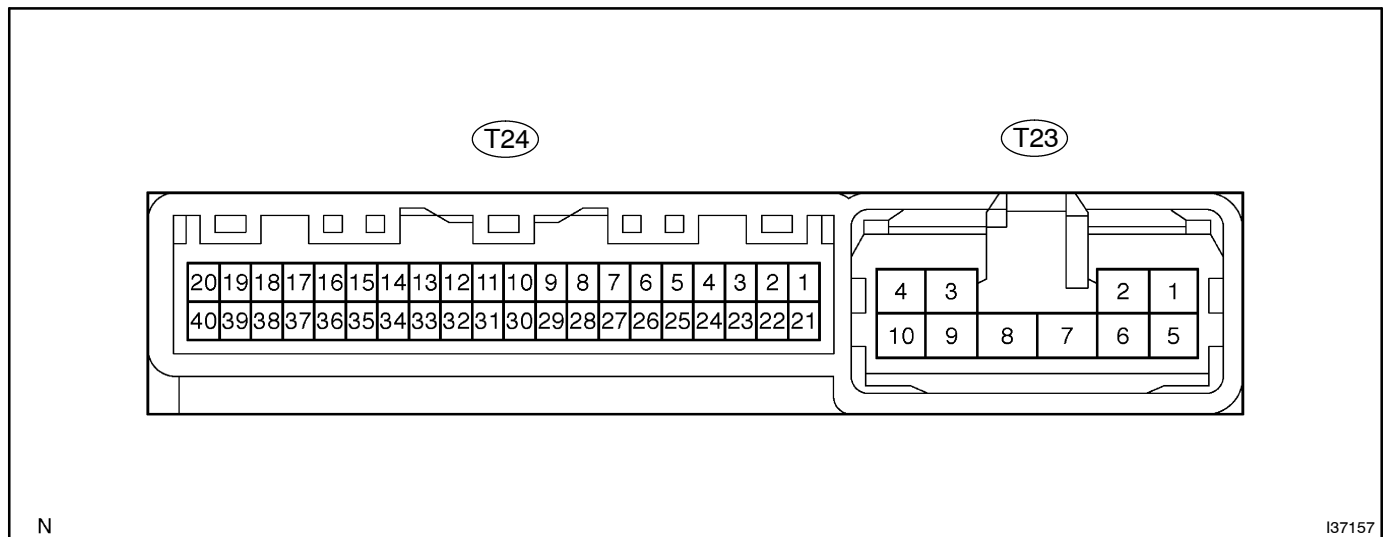
*4: RHD

5. STEREO COMPONENT TUNER:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
ATX+ (S35-8) - GND (S35-25)	G*1, L*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MTX+ (S35-9) - GND (S35-25)	Y*1, B*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
UTX+ (S35-10) - GND (S35-25)	L*2, LG*1 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
UTX- (S35-22) - GND (S35-25)	LG*2, L*1 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
ATX- (S35-20) - GND (S35-25)	R*1, LG*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MTX- (S35-21) - GND (S35-25)	B*1, W*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (S35-25) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

6. AUDIO AND REAR A/C CONTROL SW:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
TX+ (A50-3) – GND (A50-4)	O – B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (A50-4) – Body ground	B – Body ground	Ground	Always	Below 1 Ω
TX- (A50-8) – GND (A50-4)	B-Y – B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

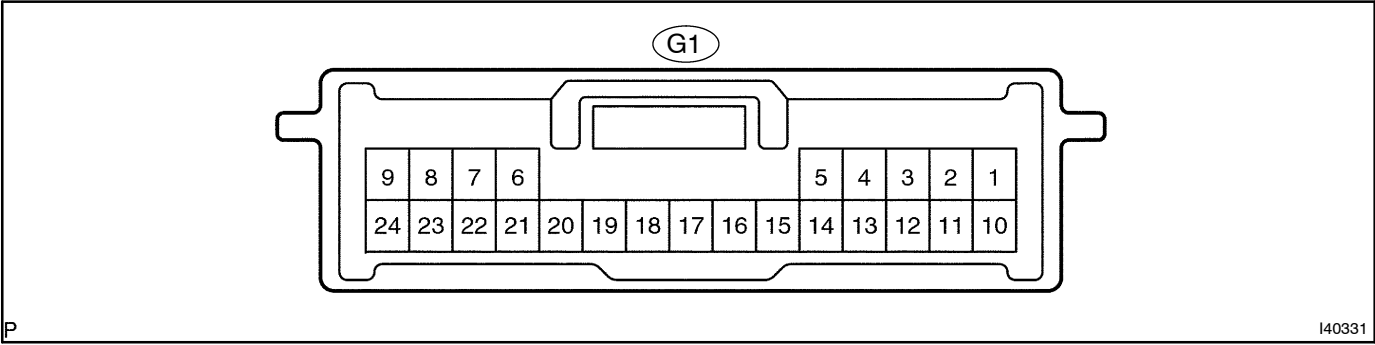
7. TELEVISION CAMERA ECU:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GND1 (T23-8) – Body ground	W-B – Body ground	Ground	Always	Below 1 Ω
TX+ (T24-29) – GND (T23-8)	B*1, LG*2 – W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX- (T24-30) – GND (T23-8)	W*1, L*2 – W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

*1: LHD

*2: RHD

8. GATEWAY ECU:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GTX+ (G1-6) - GND (G1-24)	B*1, G*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GTX- (G1-21) - GND (G1-24)	W*1, R*2 - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (G1-24) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

*1: LHD

*2: RHD