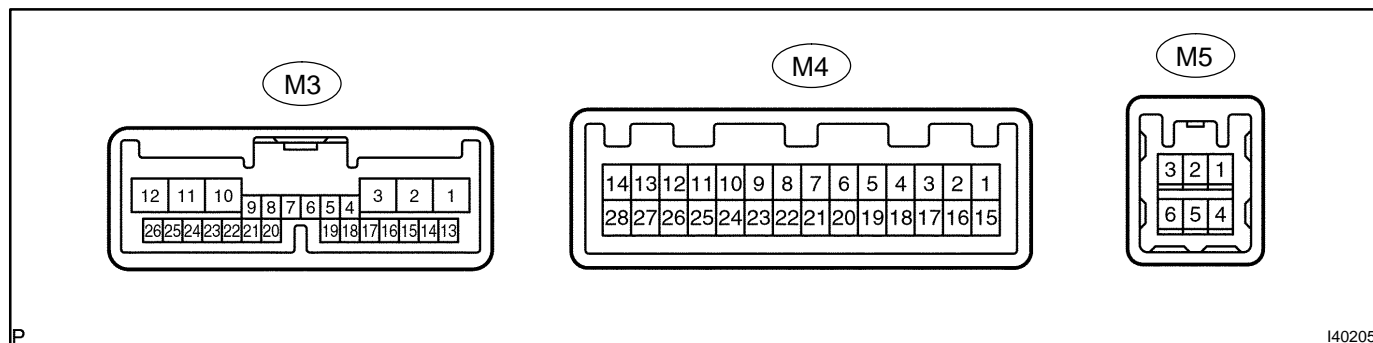


# TERMINALS OF ECU

## 1. MULTI-DISPLAY ASSY:

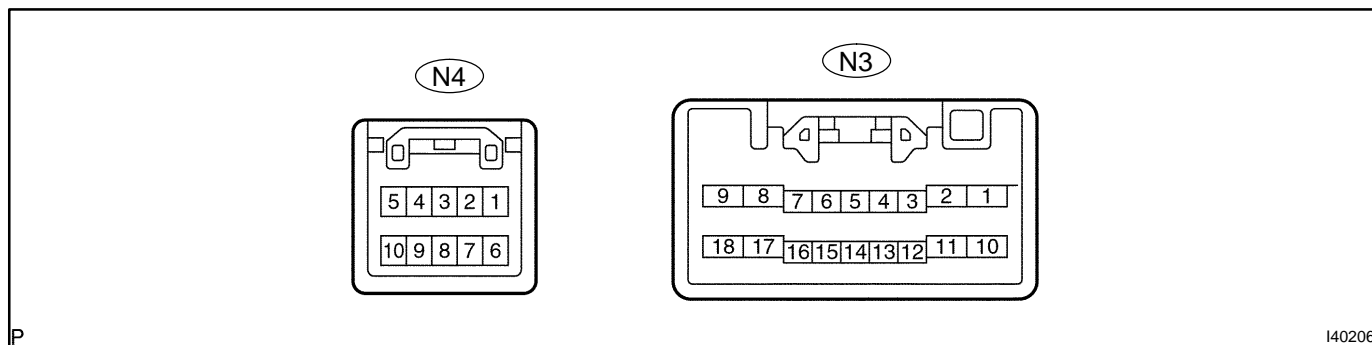


Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
ILL+ (M3-1) - GND1 (M3-3)	G - W-B	Illumination (rheostat) signal	Turn light control switch OFF → TAIL or HEAD	Below 1 V → 10 to 14 V
ILL- (M3-2) - Body ground	B - Body ground	Illumination (rheostat) signal	Turn light control switch OFF → TAIL or HEAD	10 to 14 V → Below 1 V
GND1 (M3-3) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
TX1+ (M3-4) - GND1 (M3-3)	SB - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX1- (M3-5) - GND1 (M3-3)	BR - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TC (M3-7) - GND1 (M3-3)	P - W-B	Diagnosis ON signal	Ignition switch to OFF and connect terminals TC and GND1 of check connector	Below 1 Ω
IG (M3-10) - GND1 (M3-3)	O - W-B	Ignition (ON)	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
ACC (M3-11) - GND1 (M3-3)	BR - W-B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
+B1 (M3-12) - GND1 (M3-3)	V - W-B	Battery	Always	10 to 14 V
PKB (M3-16) - GND1 (M3-3)	Y - W-B	Parking brake signal	Turn parking brake switch ON → OFF	Below 1 V → 10 to 14 V
SPD (M3-25) - GND1 (M3-3)	W - W-B	Speed signal from combination meter	See "vehicle signal check mode"	-
TX3+ (M4-11) - GND1 (M3-3)	BR - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX3- (M4-12) - GND1 (M3-3)	L - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+ (M4-13) - GND1 (M3-3) *1	LG - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX- (M4-14) - GND1 (M3-3) *1	O - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
VR (M4-23) - GND1 (M3-3)	B - W-B	Video return signal	Turn ignition switch OFF	Below 1 V
R (M4-24) - GND1 (M3-3)	W - W-B	Display signal (red)	Navigation display is on	-
G (M4-25) - GND1 (M3-3)	R - W-B	Display signal (green)	Navigation display is on	-
B (M4-26) - GND1 (M3-3)	G - W-B	Display signal (blue)	Navigation display is on	-
SYNC (M4-27) - GND1 (M3-3)	Y - W-B	Display signal (synchronize)	Navigation display is on	-

## DIAGNOSTICS - NAVIGATION SYSTEM

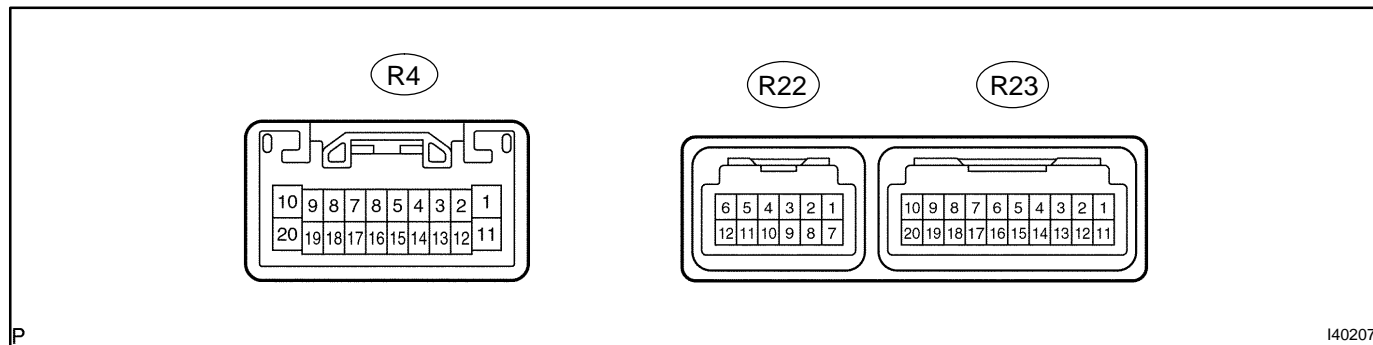
VG (M4-28) - Body ground	Shielded - Body ground	Shielded ground	Always	Below 1 V
NTSC (M5-1) - GND1 (M3-3) *1	G - W-B	Display signal	DVD is playing on multi-display	-
SGD1 (M5-4) - Body ground *1	R - Body ground	Shielded ground	Always	Below 1 V
SGND (M5-5) - Body ground *1	Shielded - Body ground	Shielded ground	Always	Below 1 V

\*1: w/ Rear Seat Entertainment System

**2. NAVIGATION ECU:**

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specification
AUI+ (N3-1) - GND1 (N3-17)	LG - W-B	Sound signal (input)	Audio system is playing	-
AUO+ (N3- 2) - GND1 (N3-17)	G - W-B	Sound signal (output)	Audio system is playing	-
SPD (N3-5) - GND1 (N3-17)	O - W-B	Speed signal from combination meter	See "Vehicle Signal Check Mode" (see page 05-1763)	-
+B (N3-9) - GND1 (N3-17)	W - W-B	Battery	Always	10 to 14 V
AUI- (N3-10) - GND1 (N3-17)	R - W-B	Sound signal (input)	Audio system is playing	-
AUO- (N3-11) - GND1 (N3-17)	B - W-B	Sound signal (output)	Audio system is playing	-
RL (N3-14) - GND1 (N3-17)	Y - W-B	Reverse signal from park/neutral position switch	Park/neutral position switch is "R" position	10 to 14 V
GND1 (N3-17) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
ACC (N3-18) - GND1 (N3-17)	GR - W-B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
VR (N4-1) - GND1 (N3-17)	B - W-B	Video return signal	Turn ignition switch OFF	Below 1 V
R (N4-2) - GND1 (N3-17)	W - W-B	Display signal (red)	Navigation display is on	-
B (N4-3) - GND1 (N3-17)	G - W-B	Display signal (blue)	Navigation display is on	-
TX+ (N4-5) - GND1 (N3-17)	SB - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
VG (N4-6) - Body ground	Shielded - Body ground	Shielded ground	Always	Below 1 V
G (N4-7) - GND1 (N3-17)	R - W-B	Display signal (green)	Navigation display is on	-
SYNC (N4-8) - GND1 (N3-17)	Y - W-B	Display signal (synchronize)	Navigation display is on	-
TX- (N4-10) - GND1 (N3-17)	BR - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

### 3. RADIO RECEIVER ASSY:

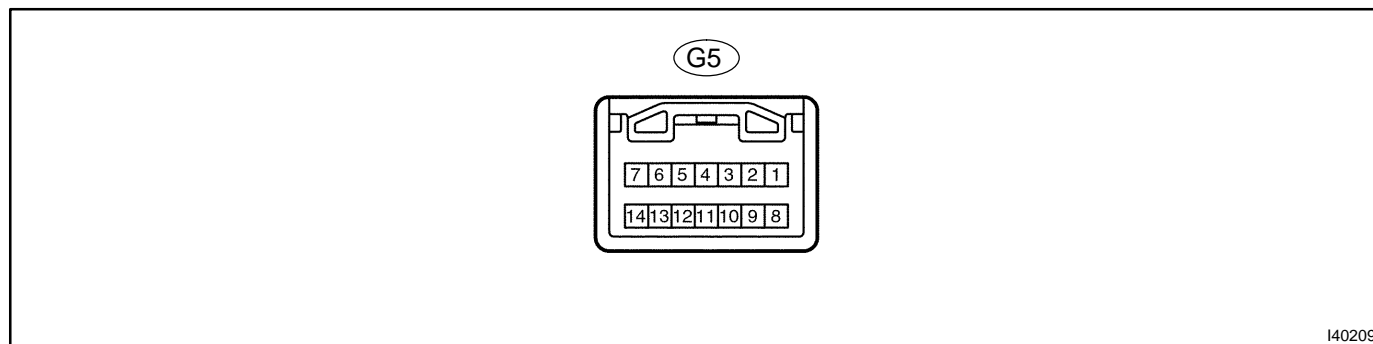


Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
B (R4-1) - GND (R4-20)	L-B - BR	Battery	Always	10 to 14 V
ACC (R4-11) - GND (R4-20)	GR - BR	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
GND (R4-20) - Body ground	BR - Body ground	Ground	Always	Below 1 V
TX+ (R22-9) - GND (R4-20) *2	LG - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX- (R22-10) - GND (R4-20) *2	O - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX1+ (R23-9) - GND (R4-20) *1	Y - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX1- (R23-10) - GND (R4-20) *1	L - BR	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

\*1: w/ Rear Seat Entertainment System

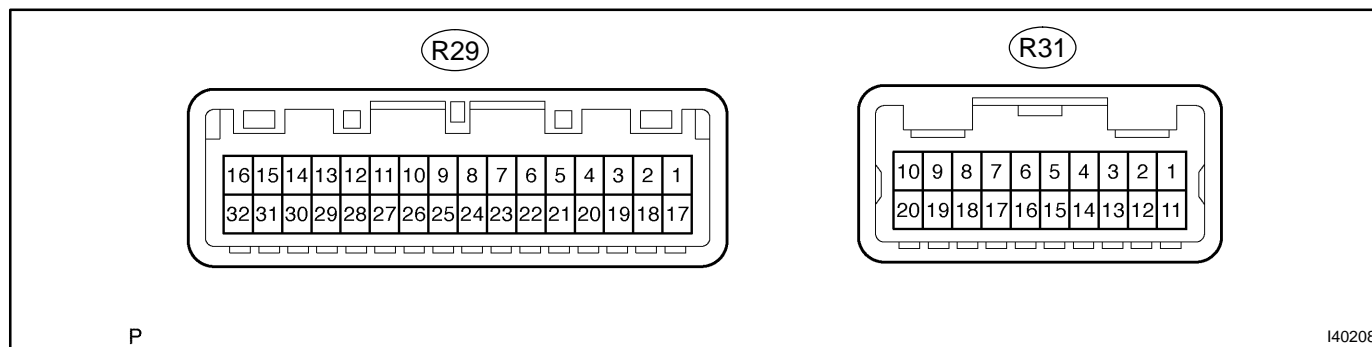
\*2: w/o Rear Seat Entertainment System

### 4. GATEWAY ECU



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
IG (G5-2) - GND (G5-14)	B - W-B	Ignition (ON)	Turn ignition switch OFF → ON	Below 1 V → 10 to 14 V
GTX+ (G5-5) - GND (G5-14)	BR - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
CG (G5-7) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
BATT (G5-8) - GND (G5-14)	LG - W-B	Battery	Always	10 to 14 V
ACC (G5-9) - GND (G5-14)	SB - W-B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
GTX- (G5-12) - GND (G5-14)	L - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (G5-14) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

## 5. MULTI DISPLAY CONTROLLER SUB-ASSY:



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
+B1 (R29-16) - GND (R29-29) *1	Y - W-B	Battery	Always	10 to 14 V
TX3+ (R29-17) - GND (R29-29)	BR - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX3- (R29-18) - GND (R29-29)	Y - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (R29-29) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
TX- (R29-30) - GND (R29-29) *1	GR - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+ (R29-31) - GND (R29-29) *1	LG - W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
ACC (R29-32) - GND (R29-29)	G - W-B	Accessory (ON)	Turn ignition switch OFF → ACC or ON	Below 1 V → 10 to 14 V
SELD (R31-7) - Body ground	W-B - Body ground	Ground	Always	Below 1 V

\*1: w/ Rear Seat Entertainment System