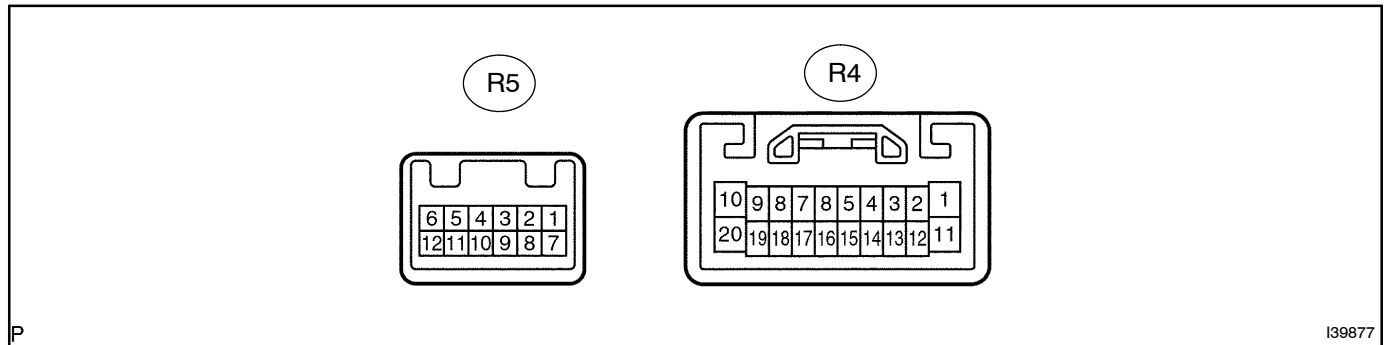


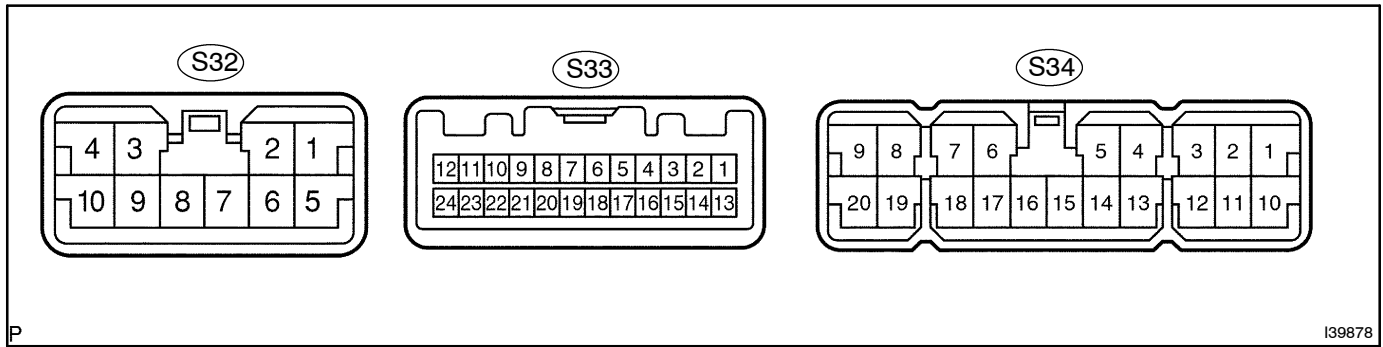
# TERMINALS OF ECU

## 1. RADIO RECEIVER ASSY



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
+B (R4-1) – GND (R4-20)	L-Y – BR	Battery	Always	10 to 14 V
ILL+ (R4-2) – GND (R4-20)	G – BR	Illumination signal	Turn ignition switch ON Light control switch OFF → TAIL or ON	Below 1.0 V → 10 to 14 V
TX+ (R4-5)	B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MUTE (R4-7) – GND (R4-20)	Y – BR	Mute signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
R+ (R4-8) – GND (R4-20)	B – BR	Sound signal (Right)	Audio system is playing	–
L+ (R4-9) – GND (R4-20)	R – BR	Sound signal (Left)	Audio system is playing	–
SGND (R4-10) – Body ground	Shielded – Body ground	Ground	Always	Below 1 V
ILL– (R4-12) – GND (R4-20)	W-G – BR	Illumination signal	Turn ignition switch ON Light control switch OFF → TAIL or ON	Below 1.0 V → 10 to 14 V
TX– (R4-15)	W	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
R– (R4-18) – GND (R4-20)	W – BR	Sound signal (Right)	Audio system is playing	–
L– (R4-19) – GND (R4-20)	G – BR	Sound signal (Left)	Audio system is playing	–
GND (R4-20) – Body ground	BR – Body ground	Ground	Always	Below 1 V
RR+ (R5-2) – GND (R4-20)	G – BR	Sound signal (Right)	Audio system is playing	–
RR– (R5-3) – GND (R4-20)	R – BR	Sound signal (Right)	Audio system is playing	–
RL+ (R5-4) – GND (R4-20)	W – BR	Sound signal (Left)	Audio system is playing	–
RL– (R5-5) – GND (R4-20)	B – BR	Sound signal (Left)	Audio system is playing	–
MUTE (R5-6) – GND (R4-20)	P – BR	Mute signal	Audio system is playing → Changing	Above 3.5 V → Below 1 V
TXM+ (R5-9)	Y	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXM– (R5-10)	B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
ACC (R5-11) – GND (R4-20)	GR – BR	Accessory (ON)	Turn ignition switch to OFF → ACC or ON	Below 1 V → 10 to 14 V

## 2. STEREO COMPONENT AMPLIFIER ASSY



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
WFL+ (S32-3) – GND (S34-16)	LG – W-B	Sound signal (Front Left)	Audio system is playing	–
WFR+ (S32-4) – GND (S34-16)	Y – W-B	Sound signal (Front Right)	Audio system is playing	–
WFL-*2 (S32-9) – GND (S34-16)	L – W-B	Sound signal (Front Left)	Audio system is playing	–
WFR-*2 (S32-10) – GND (S34-16)	B – W-B	Sound signal (Front Right)	Audio system is playing	–
MUTE (S33-1) – GND (S34-16)	Y – W-B	Mute signal from radio receiver	Audio system is sounding → Changing	Above 3.5 V → Below 3.5 V
L– (S33-2) – GND (S34-16)	G – W-B	Sound signal from radio receiver (Left)	Audio system is playing	–
L+ (S33-3) – GND (S34-16)	R – W-B	Sound signal from radio receiver (Left)	Audio system is playing	–
R– (S33-4) – GND (S34-16)	W – W-B	Sound signal from radio receiver (Right)	Audio system is playing	–
R+ (S33-5) – GND (S34-16)	B – W-B	Sound signal from radio receiver (Right)	Audio system is playing	–
TX-*1, MTX-*2 (S33-7)	LG	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+*1, MTX+*2 (S33-8)	L	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
ACC (S33-12) – GND (S34-16)	GR – W-B	Accessory (ON)	Turn ignition switch to OFF → ACC	Below 1 V → 10 to 14 V
SPD (S33-11) – GND (S34-16)	O – W-B	Speed signal from combination meter	Vehicle is driving	Pulse generation
TXD-*1, RTX-*2 (S33-19)	Y	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TXD+*1, RTX+*2 (S33-20)	B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
N-MUT*1, N-MU*2 (S33-21) – GND (S34-16)	SB – W-B	Mute signal from radio receiver	Audio system is sounding → Changing	Above 3.5 V → Below 3.5 V
TMUT (S33-24) – GND (S34-16)	LG – W-B	Mute signal from radio receiver	Audio system is sounding → Changing	Above 3.5 V → Below 3.5 V
B+*1, +B*2 (S34-1) – GND (S34-16)	L-R – W-B	Battery	Always	10 to 14 V
FL+ (S34-4) – GND (S34-16)	LG*3, P*4 – W-B	Sound signal (Front Left)	Audio system is playing	–
FR+ (S34-5) – GND (S34-16)	LG – W-B	Sound signal (Front Right)	Audio system is playing	–
RL+ (S34-6) – GND (S34-16)	B – W-B	Sound signal (Rear Left)	Audio system is playing	–
RR+ (S34-7) – GND (S34-16)	W – W-B	Sound signal (Rear Right)	Audio system is playing	–
TFL+*1, FL+*2 (S34-8) – GND (S34-16)	GR – W-B	Sound signal (Front Left)	Audio system is playing	–

TFR+*1, FR+*2 (S34-9) – GND (S34-16)	SB – W-B	Sound signal (Front Right)	Audio system is playing	–
B+*1, +B2*2 (S34-10) – GND (S34-16)	L-R – W-B	Battery	Always	10 to 14 V
FL– (S34-13) – GND (S34-16)	L*3, V*4 – W-B	Sound signal (Front Left)	Audio system is playing	–
FR– (S34-14) – GND (S34-16)	L – W-B	Sound signal (Front Right)	Audio system is playing	–
E (S34-15) – Body ground	W-B – Body ground	Ground	Always	Below 1 $\Omega$
GND (S34-16) – Body ground	W-B – Body ground	Ground	Always	Below 1 $\Omega$
RL– (S34-17) – GND (S34-16)	Y – W-B	Sound signal (Rear Left)	Audio system is playing	–
RR– (S34-18) – GND (S34-16)	R – W-B	Sound signal (Rear Right)	Audio system is playing	–
TFL–*1, FL–*2 (S34-19) – GND (S34-16)	G – W-B	Sound signal (Front Left)	Audio system is playing	–
TFR–*1, FR–*2 (S34-20) – GND (S34-16)	BR – W-B	Sound signal (Front Right)	Audio system is playing	–

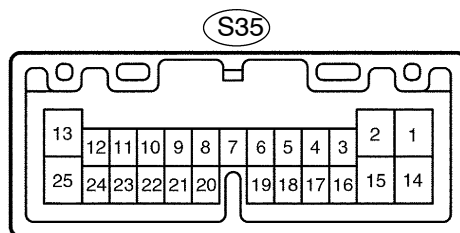
\*1: Mark Levinson Models

\*2: Standard Models

\*3: w/ LEXUS Navigation System

\*4: w/o LEXUS Navigation System

### 3. STEREO COMPONENT TUNER

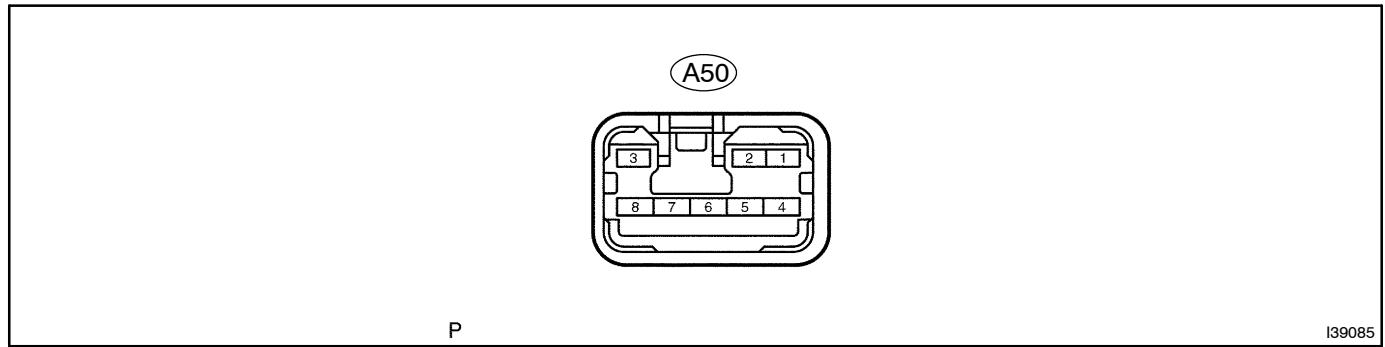


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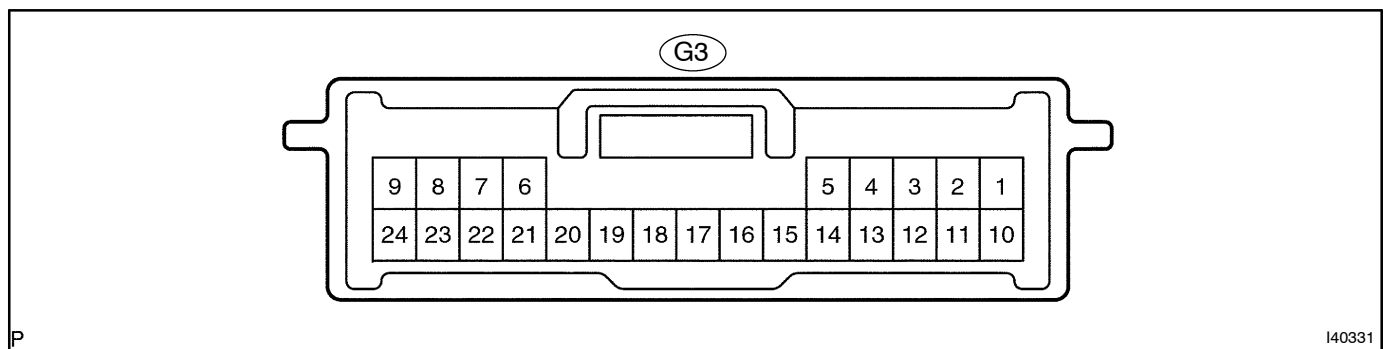
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
B (S35-1) - GND (S35-25)	L - BR	Battery	Always	10 to 14 V
SG (S35-2) - Body ground	Shielded - Body ground	Ground	Always	Below 1 $\Omega$
FR+ (S35-3) - GND (S35-25)	G - BR	Sound signal (Front Right)	Audio system is playing	-
FL+ (S35-4) - GND (S35-25)	W - BR	Sound signal (Front Left)	Audio system is playing	-
ATX+ (S35-8)	G	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MTX+ (S35-9)	Y	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
TX+ (S35-10)	L	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MUTE (S35-11) - GND (S35-25)	P - BR	Mute signal from radio receiver	Audio system is sounding → Changing	Above 3.5 V → Below 3.5 V
ACC (S35-14) - GND (31-25)	GR - BR	Accessory (ON)	Turn ignition switch to OFF → ACC	Below 1 V → 10 to 14 V
FR- (S35-16) - GND (S35-25)	R - BR	Sound signal (Rear Right)	Audio system is playing	-
FL- (S35-17) - GND (S35-25)	B - BR	Sound signal (Rear Left)	Audio system is playing	-
TX- (S35-22)	LG	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
ATX- (S35-20)	R	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
MTX- (S35-21)	B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (S35-25) - Body ground	BR - Body ground	Ground	Always	Below 1 $\Omega$

#### 4. AUDIO AND REAR A/C CONTROL SW



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
+B (A50-1) – GND (A50-4)	W-R – BR	Battery	Always	10 to 14 V
TX+ (A50-3)	B-Y	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 $\Omega$
ACC (A50-5) – GND (A50-4)	G – BR	Accessory (ON)	Turn ignition switch to OFF → ACC	Below 1 V → 10 to 14 V
TX- (A50-8)	B-Y	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V

#### 5. GATEWAY ECU



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specification
GTX+ (G3-6) – GND (G3-24)	B – W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GTX- (G3-21) – GND (G3-24)	W – W-B	AVC-LAN communication signal	Turn ignition switch to ACC	2 to 3 V
GND (G3-24) – Body ground	W-B – Body ground	Ground	Always	Below 1 $\Omega$