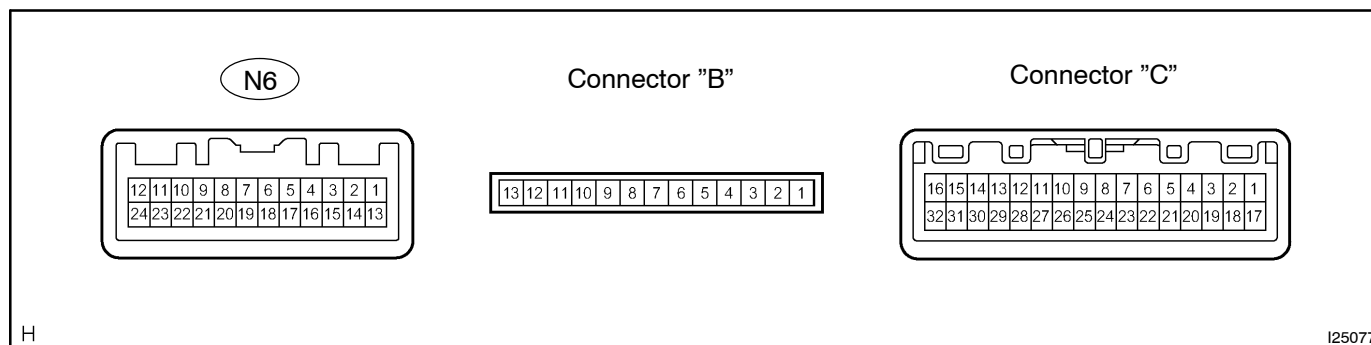


TERMINALS OF ECU

NIGHT VIEW ECU



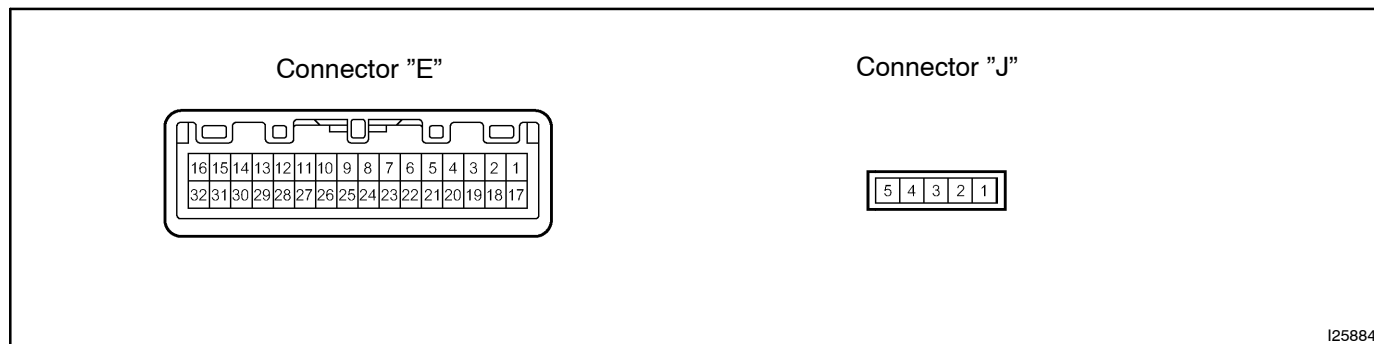
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	STD Voltage (V)
B (N6-1) – Body ground	G-R – Body ground	Battery	Always	10 to 14 V
IG (N6-2) – Body ground	R-L – Body ground	Ignition switch	Ignition switch OFF → ON	0 V → 10 to 14 V
CNT5V (N6-3) – Body ground	LG – Body ground	Power source of Night View Switch	When Night View System start up	4.75 to 5.25 V
REO (N6-4) – Body ground	LG-B – Body ground	Rheostat signal of Night View Switch	When Night View System start up	Max. 0V to Min. 5 V
NVSW (N6-5) – Body ground	G-W – Body ground	Night View Switch signal	Ignition switch ON and Night View Switch FREE → PUSH	5 V → 0 V
4P (N6-6) – Body ground	V – Body ground	Speed signal from combination meter	Ignition switch ON and turn rear wheel slowly	Pulse generation
LAMP (N6-7) – Body ground	G-W – Body ground	Night View Projector relay signal	Ignition switch ON and Night View Main indicator come on	10 to 14 V
IND1 (N6-9) – Body ground	G-Y – Body ground	Main indicator illumination signal of Night View Switch	Ignition switch ON and Night View Main indicator come on	4.5 to 10 V
IND2 (N6-10) – Body ground	G-B – Body ground	Beam indicator illumination signal of Night View Switch	When Night View System start up	4.5 to 10 V
HF (N6-11) – Body ground	R-B – Body ground	Headlight dimmer switch signal	Headlight dimmer switch FLASH position	Below 2 V
HU (N6-12) – Body ground	R-Y – Body ground	Headlight dimmer switch signal	Headlight dimmer switch ON position	Below 2 V
HERLY (N6-13) – Body ground	R-W – Body ground	Headlight relay signal	Headlight dimmer switch LO or HI position and light control switch HEAD position	Below 2 V
CON (N6-14) – Body ground	Y – Body ground	Automatic light control sensor signal	Ignition switch ON	Pulse generation (10 to 14 V)
NTSC (N6-15) – Body ground	R – Body ground	NTSC signal from Camera	Night View System start up and Night View Display is displayed	Pulse generation (1 V P-P)
NTSCRE (N6-16) – Body ground	– – Body ground	Ground	Always	Below 1 V
6VOUT (N6-17) – Body ground	B – Body ground	Power source of Camera	When Night View System start up	5.7 to 6.3 V
6VRET (N6-18) – Body ground	G – Body ground	Ground	Always	Below 1 V
GND (N6-20) – Body ground	W-B – Body ground	Ground	Always	Below 1 V

GND (N6-21) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
+B (B-1) – Body ground	R – Body ground	Battery	Always	10 to 14 V
IG (B-2) – Body ground	R – Body ground	Ignition switch	Ignition switch OFF → ON	0 V → 10 to 14 V
GND (B-4) – Body ground	B – Body ground	Ground	Always	Below 1 V
GND (B-5) – Body ground	B – Body ground	Ground	Always	Below 1 V
6VIN (B-6) – Body ground	V – Body ground	Power source of Camera (input)	Ignition switch ON	5.7 to 6.3 V
5V (B-7) – Body ground	W – Body ground	Power source of Night View Switch (input)	Ignition switch ON	4.75 to 5.25 V
VGH (B-8) – Body ground	G – Body ground	Power source of Display (input)	Ignition switch ON	17.4 to 18.6 V
VDD2 (B-9) – Body ground	L – Body ground	Power source of Display (input)	Ignition switch ON	7.2 to 8.0 V
VDD (B-10) – Body ground	O – Body ground	Power source of Display (input)	Ignition switch ON	4.75 to 5.25 V
VEE2 (B-11) – Body ground	Y – Body ground	Power source of Display (input)	Ignition switch ON	–4.7 to –5.3 V
VGL (B-12) – Body ground	BR – Body ground	Power source of Display (input)	Ignition switch ON	–15 to –17 V
GND (B-13) – Body ground	B – Body ground	Ground	Always	Below 1 V
HSY (C-1) – Body ground	V – Body ground	Display control signal	Ignition switch ON	Pulse generation (5 V)
POLS (C-2) – Body ground	BR – Body ground	Display control signal	Ignition switch ON	Pulse generation (5 V)
CSYNC (C-3) – Body ground	W – Body ground	Display signal (Synchronize)	Ignition switch ON	Pulse generation (6 V)
COM (C-4) – Body ground	G – Body ground	Display control signal	Ignition switch ON	Pulse generation (7 V)
VB (C-6) – Body ground	L – Body ground	Display signal (Blue)	Ignition switch ON	Pulse generation (5 V)
VR (C-7) – Body ground	GR – Body ground	Display signal (Red)	Ignition switch ON	Pulse generation (5 V)
VG (C-8) – Body ground	O – Body ground	Display signal (Green)	Ignition switch ON	Pulse generation (5 V)
GND (C-9) – Body ground	B – Body ground	Ground	Always	Below 1 V
MS1 (C-10) – Body ground	Y – Body ground	Display cover position signal	Ignition switch ON and Display Cover of Night View Display CLOSE → OPEN	0 → 5 V
MS2 (C-11) – Body ground	V – Body ground	Display cover position signal	Ignition switch ON and Display Cover of Night View Display OPEN → CLOSE	0 → 5 V
MD1 (C-12) – Body ground	BR – Body ground	Power source of cover motor	Ignition switch ON and Display Cover of Night View Display OPEN → CLOSE	0 → 10 V
MD2 (C-13) – Body ground	W – Body ground	Power source of cover motor	Ignition switch ON and Display Cover of Night View Display CLOSE → OPEN	0 → 10 V
VGL (C-15) – Body ground	G – Body ground	Power source of Display	Ignition switch ON	–15 to –17 V
VDD (C-17) – Body ground	L – Body ground	Power source of Display	Ignition switch ON	4.75 to 5.25 V

DIAGNOSTICS – LEXUS NIGHT VIEW SYSTEM

VGH (C-19) – Body ground	GR – Body ground	Power source of Display	Ignition switch ON	17.4 to 18.6 V
GND (C-22) – Body ground	B – Body ground	Ground	Always	Below 1 V
GND (C-23) – Body ground	B – Body ground	Ground	Always	Below 1 V
DIM (C-24) – Body ground	O – Body ground	Display back light control signal	Vehicle stop → running (approx. 6 km/h)	Pulse generation (Duty 10 % → 90 %)
C/C CUT (C-25) – Body ground	Y – Body ground	Display back light control signal	When Night View System start up	5 V
C/C FH (C-26) – Body ground	V – Body ground	Display back light control signal	When Night View System start up	Pulse generation (5 V)
IG (C-28) – Body ground	R – Body ground	Ignition switch	Ignition switch OFF → ON	0 → 10 to 14 V

NIGHT VIEW DISPLAY



I25884

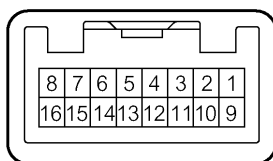
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	STD Voltage (V)
HSY (E-1) – Body ground	V – Body ground	Display control signal	Ignition switch ON	Pulse generation (5 V)
POLS (E-2) – Body ground	BR – Body ground	Display control signal	Ignition switch ON	Pulse generation (5 V)
CSYNC (E-3) – Body ground	W – Body ground	Display signal (Synchronize)	Ignition switch ON	Pulse generation (5 V)
COM (E-4) – Body ground	G – Body ground	Display control signal	Ignition switch ON	Pulse generation (7 V)
VB (E-6) – Body ground	L – Body ground	Display signal (Blue)	Ignition switch ON	Pulse generation (5 V)
VR (E-7) – Body ground	GR – Body ground	Display signal (Red)	Ignition switch ON	Pulse generation (5 V)
VG (E-8) – Body ground	O – Body ground	Display signal (Green)	Ignition switch ON	Pulse generation (5 V)
GND (E-9) – Body ground	B – Body ground	Ground	Always	Below 1 V
MS1 (E-10) – Body ground	Y – Body ground	Display cover position signal (output)	Ignition switch ON and Display Cover of Night View Display CLOSE → OPEN	0 → 5 V
MS2 (E-11) – Body ground	V – Body ground	Display cover position signal (output)	Ignition switch ON and Display Cover of Night View Display OPEN → CLOSE	0 → 5 V
MD1 (E-12) – Body ground	BR – Body ground	Power source of cover motor (input)	Ignition switch ON and Display Cover of Night View Display OPEN → CLOSE	0 → 10 V
MD2 (E-13) – Body ground	W – Body ground	Power source of cover motor (input)	Ignition switch ON and Display Cover of Night View Display CLOSE → OPEN	0 → 10 V
VGL (E-15) – Body ground	G – Body ground	Power source of Display	Ignition switch ON	-15 to -17 V
VDD (E-17) – Body ground	L – Body ground	Power source of Display	Ignition switch ON	4.75 to 5.25 V
VGH (E-19) – Body ground	GR – Body ground	Power source of Display	Ignition switch ON	17.4 to 18.6 V
GND (E-22) – Body ground	B – Body ground	Ground	Always	Below 1 V
GND (E-23) – Body ground	B – Body ground	Ground	Always	Below 1 V
DIM (E-24) – Body ground	O – Body ground	Display back light control signal	Vehicle stop → running (approx. 6 km/h)	Pulse generation (Duty 10 % → 90 %)
C/C CUT (E-25) – Body ground	Y – Body ground	Display back light control signal	When Night View System start up	5 V

DIAGNOSTICS – LEXUS NIGHT VIEW SYSTEM

C/C FH (E-26) – Body ground	V – Body ground	Display back light control signal	When Night View System start up	Pulse generation (5 V)
IG (E-28) – Body ground	R – Body ground	Ignition switch	Ignition switch OFF → ON	0 V → 10 to 14V
MS1 (J-1) – Body ground	L – Body ground	Display cover position signal (input)	Ignition switch ON and Display Cover of Night View Display CLOSE → OPEN	0 → 5 V
MS2 (J-2) – Body ground	W – Body ground	Display cover position signal (input)	Ignition switch ON and Display Cover of Night View Display OPEN → CLOSE	0 → 5 V
MSCOM (J-3) – Body ground	Y – Body ground	Display cover control signal	Always	Below 1 V
MD1 (J-4) – Body ground	R – Body ground	Power source of cover motor (output)	Ignition switch ON and Display Cover of Night View Display OPEN → CLOSE	0 → 10 V
MD2 (J-5) – Body ground	B – Body ground	Power source of cover motor (output)	Ignition switch ON and Display Cover of Night View Display CLOSE → OPEN	0 → 10 V

NIGHT VIEW BATTERY ECU

Connector " D "



H

I25079

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	STD Voltage (V)
+B (D-1) – Body ground	R – Body ground	Battery	Always	10 to 14 V
IG (D-2) – Body ground	R – Body ground	Ignition switch	Ignition switch OFF → ON	0 V → 10 to 14 V
GND (D-4) – Body ground	B – Body ground	Ground	Always	Below 1 V
GND (D-5) – Body ground	B – Body ground	Ground	Always	Below 1 V
6VOUT (D-7) – Body ground	V – Body ground	Power source of Camera	Ignition switch ON	5.7 to 6.3 V
5V (D-8) – Body ground	W – Body ground	Power source of Night View Switch	Ignition switch ON	4.75 to 5.25 V
VGH (D-10) – Body ground	G – Body ground	Power Source of Display	Ignition switch ON	17.4 to 18.6 V
VDD2 (D-11) – Body ground	L – Body ground	Power Source of Display	Ignition switch ON	7.2 to 8.0 V
VDD (D-12) – Body ground	O – Body ground	Power Source of Display	Ignition switch ON	4.75 to 5.25 V
VEE2 (D-13) – Body ground	Y – Body ground	Power Source of Display	Ignition switch ON	–4.7 to –5.3 V
VGL (D-14) – Body ground	BR – Body ground	Power Source of Display	Ignition switch ON	–15 to –17 V
GND (D-16) – Body ground	B – Body ground	Ground	Always	Below 1 V