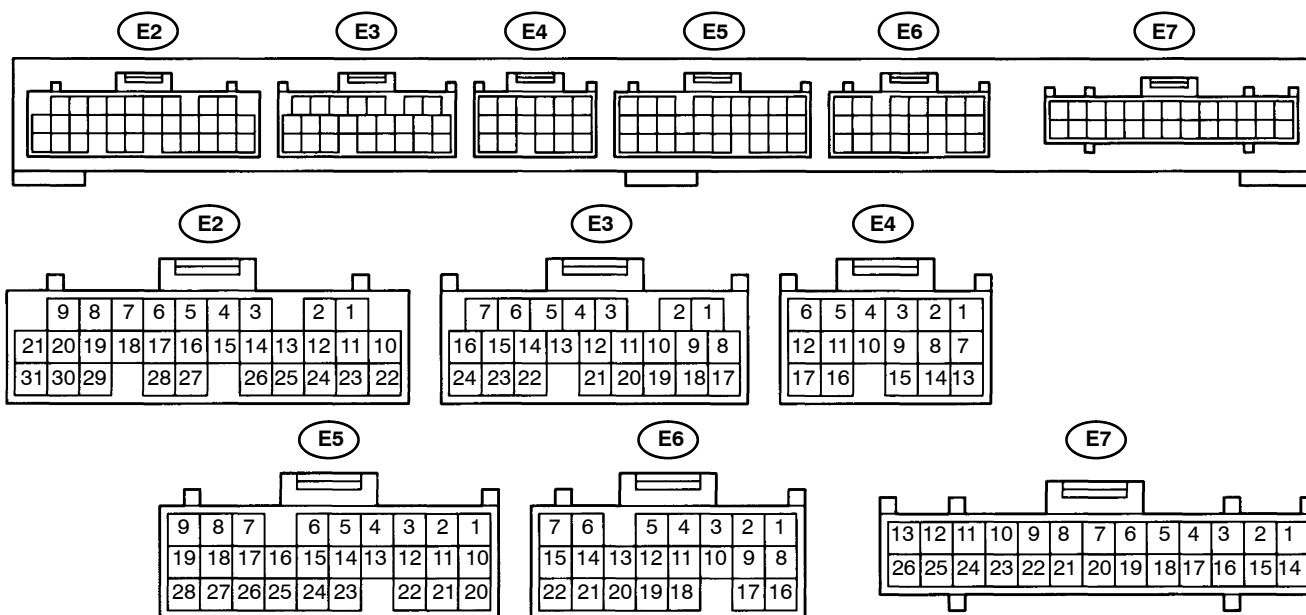


TERMINALS OF ECU

ENGINE ECU Terminals



A01888

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E6-1) - E1 (E3-17)	B-Y ↔ BR	Always	9 ~ 14
+BM (E6-7) - E1 (E3-17)	V-Y ↔ BR		
IGSW (E6-9) - E1 (E3-17)	B-O ↔ BR	IG switch ON	9 ~ 14
+B (E6-16) - E1 (E3-17)	B-R ↔ BR		
+B2 (E6-8) - E1 (E3-17)	B-R ↔ BR		
VC (E3-2) - E2 (E3-18)	L-Y ↔ BR	IG switch ON	4.5 ~ 5.5
VTA (E3-23) - E2 (E3-18)	Y-G ↔ BR	IG switch ON Accelerator pedal released	0.4 ~ 1.0
		IG switch ON Accelerator pedal depressed	3.2 ~ 4.8
VTA2 (E3-24) - E2 (E3-18)	Y-R ↔ BR	IG switch ON Accelerator pedal released	2.0 ~ 2.9
		IG switch ON Accelerator pedal depressed	4.6 ~ 5.1
VPA (E3-15) - E2 (E3-18)	L ↔ BR	IG switch ON Accelerator pedal released	0.3 ~ 0.9
		IG switch ON Accelerator pedal depressed	3.2 ~ 4.8
VPA2 (E3-16) - E2 (E3-18)	L-R ↔ BR	IG switch ON Accelerator pedal released	1.8 ~ 2.7
		IG switch ON Accelerator pedal depressed	4.7 ~ 5.1
VG (E3-10) - EVG (E3-19)	R-L ↔ GR	Idling, P or N position, A/C switch OFF	1.1 ~ 1.5
THA (E3-22) - E2 (E3-18)	W-R ↔ BR	Idling, Intake air temp. 20°C (68°F)	0.5 ~ 3.4
THW (E3-14) - E2 (E3-18)	B-R ↔ BR	Idling, Engine coolant temp. 80°C (176°F)	0.2 ~ 1.0
STA (E5-2) - E1 (E3-17)	B ↔ BR	Shift lever position P or N position, ignition switch START	9 ~ 14

Symbols (Terminals) (No.)	Wiring (Color)	Condition	STD (Voltage) (V)
#10 (E3-5) – (E01 (E2-21))	Y → W-B	IG switch ON	9 ~ 14
#20 (E3-6) – (E01 (E2-21))	B-W → W-B	Idling	Pulse generation (See page DI-125)
#30 (E2-1) – (E01 (E2-21))	L → W-B		
#40 (E2-2) – (E01 (E2-21))	R → W-B		
#50 (E2-3) – (E01 (E2-21))	W → W-B		
#60 (E2-4) – (E01 (E2-21))	R-L → W-B		
IGT1 (E2-11) – (E1 (E3-17))	Y → BR	Idling	Pulse generation (See page DI-100)
IGT2 (E2-12) – (E1 (E3-17))	G-B → BR		
IGT3 (E2-13) – (E1 (E3-17))	R-W → BR		
IGF (E2-25) – (E1 (E3-17))	R-Y → BR	IG switch ON	4.5 ~ 5.5
		Idling	Pulse generation (See page DI-113)
G2 (E2-10) – (NE – (E2-22))	Y → L	Idling	Pulse generation (See page DI-65)
NE (E2-23) – (NE – (E2-22))	W → L		
M-REL (E6-10) – (E1 (E3-17))	B-Y → BR	IG switch ON	9 ~ 14
FPC (E6-5) – (E1 (E3-17))	B-L → BR	IG switch ON	Below 1.5
		Idling	Pulse generation (0 and 4.5 ~ 5.5)
DI (E6-4) – (E1 (E3-17))	B-R → BR	Idling	7.0 or more
STP (E5-6) – (E1 (E3-17))	G-W → BR	Brake pedal is depressed	7.5 ~ 14
		Brake pedal is released	Below 1.5
PRG (E3-7) – (E01 (E2-21))	B-R → W-B	IG switch ON	9 ~ 14
TPC (E7-13) – (E01 (E2-21))	W-R → W-B	IG switch ON	9 ~ 14
PTNK (E5-18) – (E2 (E3-18))	L-Y → BR	Ignition switch ON	2.9 ~ 3.7
		Apply vacuum 4.0 kPa (30 mmHg, 1.2 in. Hg)	Below 0.5
OX1A (E3-12) – (E2 (E3-18))	B → BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation (See page DI-38)
OX1B (E5-8) – (E2 (E3-18))	W → BR		
OX2A (E3-11) – (E2 (E3-18))	W → BR		
OX2B (E7-24) – (E2 (E3-18))	R → BR		
HT1A (E3-4) – (E01 (E2-21))	R → W-B	Idling	Below 3.0
HT1B (E7-26) – (E01 (E2-21))	G → W-B	IG switch ON	9 ~ 14
HT2A (E3-3) – (E01 (E2-21))	Y → W-B		
HT2B (E7-25) – (E01 (E2-21))	GR-B → W-B		
KNK1 (E2-28) – (E1 (E3-17))	B → BR	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page DI-65)
KNK2 (E2-27) – (E1 (E3-17))	GR → BR		
TC (E5-5) – (E1 (E3-17))	P-B → BR	IG switch ON	9 ~ 14
W (E6-6) – (E01 (E2-21))	GR-R → W-B	Idling	9 ~ 14
		IG switch ON	Below 3.0
ACMG (E5-13) – (E01 (E2-21))	L-O → W-B	A/C switch ON (At idling)	Below 3.0
		A/C switch OFF	9 ~ 14
OCV+ (E2-18) – OCV- (E2-17)	W-R ↔ Y-B	IG switch ON	Pulse generation (See page DI-106)
ACIS (E2-5) – E01 (E2-21)	B-L ↔ W-B	IG switch ON	9 ~ 14
		Engine speed between 2,500 and 4,000 rpm	Below 3.0
CL+ (E2-20) – CL- (E2-19)	G-R ↔ Y-R	Idling	Pulse generation (See page DI-88)

DIAGNOSTICS - ENGINE

Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
M+ (E2-8) - ME01 (E2-9) M- (E2-7) - ME01 (E2-9)	W ↔ BR R ↔ BR	Idling	Pulse generation (See page DI-50)
SIL (E6-11) - E1 (E3-17)	W ↔ BR	IG switch ON	9 ~ 14
SP2+ (E4-5) - SP2- (E4-11)	L-Y ↔ R-L	Vehicle is driving	Pulse generation (See page DI-72)