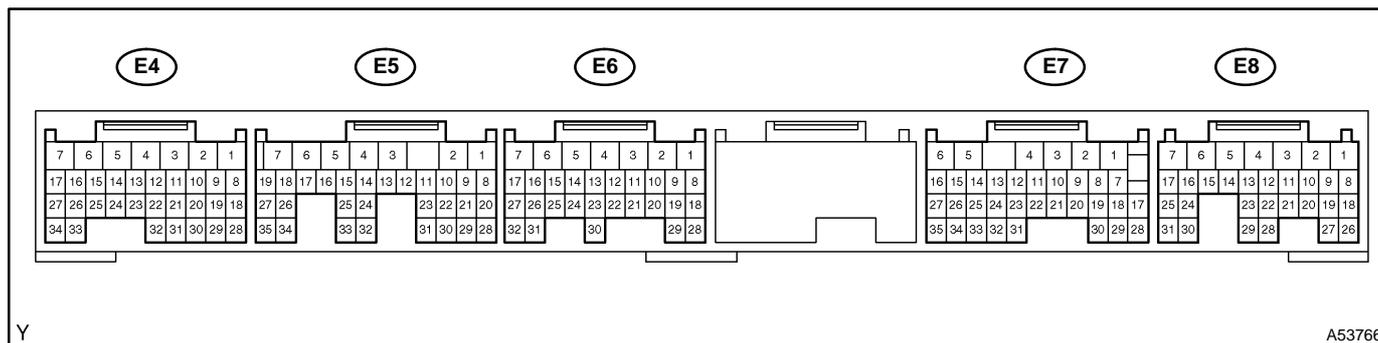


# TERMINALS OF ECM



Symbols (Terminals No.)	Wiring Color	Condition	STD Voltage (V)
BATT (E8-3) - E1 (E6-1)	L - BR	Always	9 to 14
+BM (E7-6) - E1 (E6-1)	GR - BR		
IGSW (E8-9) - E1 (E6-1)	B-O - BR	IG switch ON	9 to 14
+B (E8-1) - E1 (E6-1)	B - BR		
+B1 (E8-2) - E1 (E6-1)	B - BR		
OC1 (E6-16) - OC1- (E6-15)	G-Y - L-B	IG switch ON	Pulse generation (See page 05-29 )
OC2 (E6-14) - OC2- (E6-13)	L-W - L-R		
MREL (E8-8) - E1 (E6-1)	W-G - BR	IG switch ON	9 to 14
VC (E4-18) - E2 (E4-28)	L-R - BR	IG switch ON	4.5 to 5.5
VG (E4-30) - E2G (E4-29)	R-Y - R-W	Idling, shift lever position P or N position, A/C switch OFF	0.5 to 3.0
THA (E4-20) - E2 (E4-28)	R-B - BR	Idling, Intake air temp. 20°C (68°F)	0.5 to 3.4
THW (E4-19) - E2 (E4-28)	B-L - BR	Idling, Engine coolant temp. 80°C (176°F)	0.2 to 1.0
VTA1 (E4-21) - E2 (E4-28)	G-B - BR	IG switch ON, Accelerator pedal released	0.5 to 1.2
		IG switch ON, Accelerator pedal depressed	3.2 to 4.8
VTA2 (E4-31) - E2 (E4-28)	G-W - BR	IG switch ON, Accelerator pedal released	2.1 to 3.1
		IG switch ON, Accelerator pedal depressed	4.5 to 5.5
VPA (E8-22) - EPA (E8-28)	W-R - LG-B	IG switch ON, Accelerator pedal released	0.5 to 1.1
		IG switch ON, Accelerator pedal depressed	2.6 to 4.5
VPA2 (E8-23) - EPA2 (E8-29)	R-B - V-W	IG switch ON, Accelerator pedal released	1.2 to 2.0
		IG switch ON, Accelerator pedal depressed	3.4 to 5.3
VCPA (E8-26) - EPA (E8-28)	B-Y - LG-B	IG switch ON	4.5 to 5.5
VCP2 (E8-27) - EPA2 (E8-29)	W-L - V-W	IG switch ON	4.5 to 5.5
HAFR (E5-5) - E04 (E5-7)	R-L - W-B	Idling	Below 3.0
HAFL (E5-4) - E05 (E5-6)	B-W - W-B	IG switch ON	9 to 14
AFR+ (E5-22) - E1 (E6-1)	P - W-B	IG switch ON	3.0 to 3.6
AFL+ (E5-23) - E1 (E6-1)	Y - W-B		
AFR- (E5-30) - E1 (E6-1)	L - BR	IG switch ON	2.7 to 3.3
AFL- (E5-31) - E1 (E6-1)	BR - BR		
HT1B (E5-25) - E1 (E6-1)	G - BR	Idling	Below 3.0
HT2B (E5-33) - E1 (E6-1)	L - BR	IG switch ON	9 to 14
OX1B (E5-21) - E2 (E4-28)	W - BR	Maintain engine speed at 2,500 rpm for 2 minutes after warming up	Pulse generation
OX2B (E5-29) - E2 (E4-28)	B - BR		
#10 (E4-1) - E01 (E4-7)	R-L - W-B	IG switch ON	9 to 14
#20 (E4-2) - E01 (E4-7)	B - W-B		
#30 (E4-3) - E01 (E4-7)	R - W-B	Idling	Pulse generation (See page 05-94)
#40 (E4-4) - E01 (E4-7)	G - W-B		
#50 (E4-5) - E01 (E4-7)	Y - W-B		
#60 (E5-3) - E01 (E4-7)	L - W-B		
KNK1 (E5-1) - EKNK (E5-28)	B - W	Maintain engine speed at 4,000 rpm after warming up	Pulse generation (See page 05-106)
KNK2 (E5-2) - EKN2 (E5-20)	G - R		

## DIAGNOSTICS - SFI SYSTEM (1GR-FE)

VV1+ (E6-27) - NE- (E6-24)	R - W	Idling	Pulse generation (See page 05-111)
VV2+ (E6-26) - NE- (E6-24)	Y - W		
NE+ (E6-25) - NE- (E6-24)	B - W		
IGT1 (E4-8) - E1 (E6-1)	Y-R - BR	Idling	Pulse generation (See page 05-117)
IGT2 (E4-9) - E1 (E6-1)	P-L - BR		
IGT3 (E4-10) - E1 (E6-1)	LG - BR		
IGT4 (E4-11) - E1 (E6-1)	LG-B - BR		
IGT5 (E4-12) - E1 (E6-1)	GR - BR		
IGT6 (E4-13) - E1 (E6-1)	L - BR		
IGF (E4-24) - E1 (E6-1)	W-R - BR	IG switch ON	4.5 to 5.5
		Idling	Pulse generation (See page 05-117)
EVP1 (E4-34) - E1 (E6-1)	G-Y - BR	IG switch ON	9 to 14
CCV (E4-27) - E1 (E6-1)	R-G - BR	IG switch ON	9 to 14
PTNK (E8-21) - E2 (E4-28)	O - BR	Ignition switch ON	2.9 to 3.7
		Apply vacuum 4.0 kPa (30 mmHG, 1.18 in.Hg)	Below 0.5
SPD (E7-17) - E1 (E6-1)	V-R - BR	IG switch ON, Rotate driving wheel slowly	Pulse generation (See page 05-157)
STA (E4-17) - E1 (E6-1)	B-Y - BR	Shift lever position P or N, Ignition switch START	9 to 14
STAR (E5-9) - E1 (E6-1)	P - BR	Shift lever position P or N, Ignition switch START	9 to 14
STSW (E6-12) - E1 (E6-1)	L-Y - BR	Shift lever position P or N, Ignition switch START	9 to 14
STP (E7-19) - E1 (E6-1)	G-Y - BR	Brake pedal is depressed	7.5 to 14
		Brake pedal is released	Below 1.5
ST1- (E7-12) - E1 (E6-1)	R-L - BR	IG switch ON, Brake pedal is depressed	Below 1.5
		IG switch ON, Brake pedal is released	7.5 to 14
NSW (E4-16) - E1 (E6-1)	P - BR	IG switch ON, Shift position in P, N	0 to 3.0
		IG switch ON, Other shift position in P, N	9 to 14
M+ (E6-3) - E1 (E6-1)	P - BR	Idling	Pulse generation
M- (E6-2) - E1 (E6-1)	L - BR		
FC (E8-10) - E1 (E6-1)	GR-B - BR	IG switch ON	9 to 14
FPR (E4-33) - E1 (E6-1)	Y-B - BR	IG switch ON	0 to 3.0
W (E8-11) - E1 (E6-1)	R-B - BR	IG switch ON	Below 3.0
		Idling	9 to 14
ELS (E8-12) - E1 (E6-1)	Y-G - BR	Defogger switch OFF	0 to 1.5
		Defogger switch ON	7.5 to 14
ELS2 (E8-13) - E1 (E6-1)	G - BR	Taillight switch OFF	0 to 1.5
		Taillight switch ON	7.5 to 14
TC (E8-20) - E1 (E6-1)	P-L - BR	IG switch ON	9 to 14
SIL (E8-18) - E1 (E6-1)	R-Y - BR	During charge of gears	Pulse generation
TACH (E8-5) - E1 (E6-1)	B-W - BR	Idling	Pulse generation