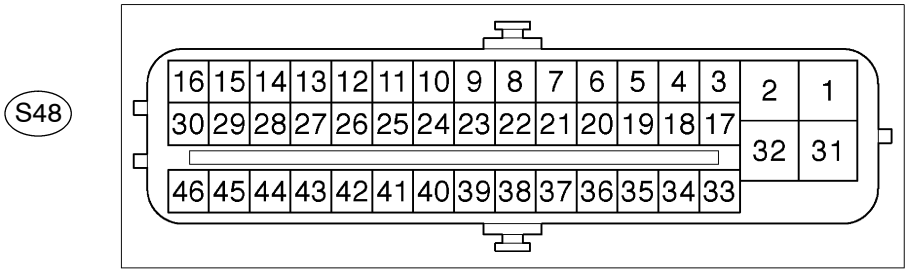
0542S–06

TERMINALS OF ECU

SKID CONTROL ECU



HINT: Inspect the ECU from the wire harness side while the connector is connected.

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BM (S48–2) – GND (S48–1, 32)	B – BR, W–B	Motor relay test input	IG switch ON, pump motor running	11 to 14 V
FR+ (S48–3) – FR– (S48–17)	LG – L	Front RH wheel speed signal input	IG switch ON, slowly turn right front wheel	AC generation
RR+ (S48–5) – RR– (S48–19)	R – G	Rear RH wheel speed signal input	IG switch ON, slowly turn right rear wheel	AC generation
FSW+ (S48–7) – GND (S48–1, 32)	GR – BR, W–B	FSW switch input	IG switch ON, brake pedal released	2 to 4 V
LBL (S48–10) – GND (S48–1, 32)	(LHD) GO – BR, W–B (RHD) LGR – BR, W–B	Brake fluid level warning switch Input	IG switch ON, Brake fluid level warning switch OFF	11 to 14 V
LBL (S48–10) – GND (S48–1, 32)	(LHD) GO – BR, W–B (RHD) LGR – BR, W–B	Brake fluid level warning switch Input	IG switch ON, Brake fluid level warning switch ON	Below 1.5 V
CANH (S48–11) – CANL (S48–25)	BR – Y	CAN communication line	IG switch OFF	54 to 67 Ω
SP1 (S48–12) – GND (S48–1, 32)	R–Y – W–L, W–B	Speed signal output	Vehicle drives at about 20 km/h (12 mph)	Pulse generation
D/G (S48–13) – GND (S48–1, 32)	P (RHD), W–G (LHD) – W–L, W–B	Diagnosis tester communication line	IG switch ON	11 to 14 V
MRF (S48–14) – R+ (S48–45)	G – R–W	Fail safe motor relay output	IG switch ON	11 to 14 V
MR (S48–15) – R+ (S48–45)	L–R – R–W	Motor relay output	IG switch ON, pump motor running	11 to 14 V
FL+ (S48–18) – FL– (S48–4)	P – V	Front LH wheel speed signal input	IG switch ON, slowly turn left front wheel	AC generation
RL+ (S48–20) – RL– (S48–6)	BR–W, B – W–BR	Rear LH wheel speed signal input	IG switch ON, slowly turn left rear wheel	AC generation
TS (S48–24) – GND (S48–1, 32)	B – BR, W–B	Sensor check input	IG switch ON	11 to 14 V
STP (S48–27) – GND (S48–1, 32)	G–W – BR, W–B	Stop lamp switch input	Stop light switch ON (Brake pedal pushed)	8 to 14 V
STP (S48–27) – GND (S48–1, 32)	G–W – BR, W–B	Stop lamp switch input	Stop light switch OFF (Brake pedal released)	Below 1.5 V

PKB (S48–28) – GND (S48–1, 32)	B–L – BR, W–B	Parking brake switch input	IG switch ON, parking brake switch ON	Below 1.5 V
PKB (S48–28) – GND (S48–1, 32)	B–L – BR, W–B	Parking brake switch input	IG switch ON, parking brake switch OFF	11 to 14 V
BZ (S48–30) – GND (S48–1, 32)	W–R – BR, W–B	Buzzer output	IG switch ON, VSC buzzer sounds	Below 1.0 ↔ 10 to 14 V
BZ (S48–30) – GND (S48–1, 32)	W–R – BR, W–B	Buzzer output	IG switch ON, VSC buzzer does not sound	11 to 14 V
+BS (S48–31) – GND (S48–1, 32)	B – BR, W–B	Solenoid relay power supply	Always	11 to 14 V
FRO (S48–37) – GND (S48–1, 32)	Y–R – BR, W–B	Front RH wheel speed signal output	Vehicle drives at about 20 km/h (12 mph)	Pulse generation
FLO (S48–38) – GND (S48–1, 32)	Y–B – BR, W–B	Front LH wheel speed signal output	Vehicle drives at about 20 km/h (12 mph)	Pulse generation
INIT (S48–41) – GND (S48–1, 32)	GR–R – BR, W–R	Tire pressure warning standardization switch Input	IG switch ON, Tire pressure warning switch ON	Below 1.5 V
INIT (S48–41) – GND (S48–1, 32)	GR–R – BR, W–R	Tire pressure warning standardization switch Input	IG switch ON, Tire pressure warning switch OFF	11 to 14 V
WFSE (S48–42) – GND (S48–1, 32)	LG–B – W–L, W–B	WFSE input	IG switch ON	11 to 14 V
CSW (S48–43) – GND (S48–1, 32)	YG – BR, W–B	TRC cut switch Input	TRC OFF switch is off	11 to 14 V
CSW (S48–43) – GND (S48–1, 32)	YG – BR, W–B	TRC cut switch Input	TRC OFF switch is on	Below 1.5 V
R+ (S48–45) – GND (S48–1, 32)	R–W – BR, W–B	Power supply for motor relay	IG switch ON	11 to 14 V
IG1 (S48–46) – GND (S48–1, 32)	B–R – BR, W–B	IG1 power supply	IG switch ON	11 to 14 V