Toyota Pinout 2RZ/3RZ Manual Trans with Dual Coils

LINK

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26
E01	#10	#20	#30	#40		RSO	RSC		IDLO	EVP	HT1	HT2
E02	E03	E1	IGT1	IGT2					IGF		TACH	FC
13	12	11	10	9	8	7	6	5	4	3	2	1
26	25	24	23	22	21	20	19	18	17	16	15	14
					D	E8						

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46
TPC	TE1		OX1	THW	THA	VG	VCC
	EGR		OX2	KNK	THG	VTA	E2
8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9
		C	E7				

Pinout

51	52	53	54	55	56
57	58	59	60	61	62
NE -	G -				
NE +	G +	PTNK			E3
6	5	4	3	2	1
12	11	10	9	8	7
	B	E6			

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92
STA			SP1	AC1	ACT		W			BATT
NSW	STP		SIL							B+
11	10	9	8	7	6	5	4	3	2	1
22	21	20	19	18	17	16	15	14	13	12
				A	E5					

V2 97-98 with Dual Coil Manual Trans

Link Pin	OEM Pin	Pin ID	Function	Link Function
1	E8-13	E01	Ground	GND
2	E8-12	#10	Injector #1	INJ1
3	E8-11	#20	Injector #2	INJ2
4	E8-10	#30	Injector #3	INJ3
5	E8-9	#40	Injector #4	INJ4
6	E8-8	S1	Injector #5 (Auxiliary)	INJ5
7	E8-7	RSO	ISC Open	Aux 2
8	E8-6	RSC	ISC Close	Aux 1
9	E8-5		Injector #6 (Auxiliary)	INJ6
10	E8-4	IDLO	CC ECU idle 0%	DI 9
11	E8-3	EVP	Purge	Aux 8
12	E8-2	HT1	O2 sensor 1 heater ground	GND
13	E8-1	HT2	O2 Sensor 2 Heater Ground	GND
14	E8-26	E02	Ground	GND
15	E8-25	E03	Ground	GND
16	E8-24	E1	Ground	GND
17	E8-23	IGT1	Igniter signal 1	IGN1
18	E8-22	IGT2	Igniter signal 2	IGN2
19	E8-21	S2	Ignition 3 (Auxiliary)	IGN3
20	E8-20	SL	Ignition 4 (Auxiliary)	IGN4
21	E8-19			nc
22	E8-18			nc
23	E8-17	IGF	Ignition Feedback	nc
24	E8-16			nc
25	E8-15	TACH	Tach Output	Aux 3
26	E8-14	FC	Fuel Pump	Aux 7
31	E7-8	TPC	Vapor Pressure VSV	Aux 4
32	E7-7	TE1	Test Connector	DI 4
33	E7-6			nc
34	E7-5	OX1	NB Oxygen Sensor 2	AN Volt 1
35	E7-4	THW	Coolant Temp	AN Temp 1
36	E7-3	THA	IAT	AN Temp 2
37	E7-2	VG	MAF Signal (Freq.)	DI 7
38	E7-1	VCC	Ref. Voltage +5V	+5V
39	E7-16			nc
40	E7-15	EGR	EGR VSV	Aux 11
41	E7-14			nc
42	E7-13	OX2	O2 senosr 2	AN Volt 3
43	E7-12	KNK	Knock Senosr	Knock 1
44	E7-11	THG	EGR Temp	AN Temp 3
45	E7-10	VTA	Throttle Position	AN Volt 2
46	E7-9	E2	Ground	GND
51	E6-6	NE-	Crank Signal Ground	GND
52	E6-5	G-	Cam Signal Ground	GND
53	E6-4			nc
54	E6-3	SP2-		nc
55	E6-2			nc
56	E6-1			nc
57	E6-12	NE+	Crank Signal	Trig 1
58	E6-11	G+	Cam Signal	Trig 2
59	E6-10	PTNK	Vapor Pressure Sensor	AN Volt 4
60	E6-9	SP2+		nc
61	E6-8			nc
62	E6-7	E3	Ground	GND
*Note: "nc" means no connection to ECU header pin.				

Link Pin	OEM Pin	Pin ID	Function	Link Function
71	E5-11	STA	Starter Signal	DI 2
72	E5-10			nc
73	E5-9			nc
74	E5-8	SP1	Speed SIgnal	DI 3
75	E5-7	AC1	AC System Input	DI 1
76	E5-6	ACT	AC System - Unsure of function	Aux 6
77	E5-5	OD2		nc
78	E5-4	W	Check Engine Light	Aux 5
79	E5-3	OIL-W		nc
80	E5-2	BATT	Battery 12V constant	nc
81	E5-1			nc
82	E5-22	NSW	Neutral Start Switch (clutch)	DI 8
83	E5-21	STP	STP	DI 5
84	E5-20			nc
85	E5-19	SIL	OBD Datalink	nc
86	E5-18	OD		nc
87	E5-17	R		nc
88	E5-16	2		nc
89	E5-15	L		Aux 14
90	E5-14	PWR		Aux 15
91	E5-13			nc
92	E5-12	B+	+14V	+14V
Expansion On Board				
E1	Expansion 1		Ground	GND
E2			+12V switched Power (from ECU power)	+12V
E3			Ignition Output 5	IGN 5
E4			Ignition Output 6	IGN 6
E5			Ignition Output 7	IGN 7
E6			Ignition Output 8	IGN 8
E7			Auxiliary Output 12	Aux 12
E8			Auxiliary Output 13	Aux 13
E9			Auxiliary Output 9	Aux 9
E10			Auxiliary Output 10	Aux 10
E11	Expansion 2		Ground	GND
E12			+5V Reference Voltage	+5V
E13			Analog Temp. Input 4	AN Temp 4
E14			Analog 0-5v input 5	Volt 5
E15			Analog 0-5v input 6	Volt 6
E16			Analog 0-5v input 7	Volt 7
E17			Analog 0-5v input 8	Volt 8
E18			Analog 0-5v input 9**	Volt 9
E19			+5V Reference Voltage	+5V
E20			Ground	GND
E21	Expansion 3		Ground	GND
E22			+12V switched Power (from ECU power)	+12V
E23			Digital Input 6	DI6
E24			Digital Input 10	DI10
E25			Digital Input 11	DI11
E26			CAN Bus 2 High or +	CAN2H
E27			CAN Bus 2 Low or -	CAN2L
E28			Analog 0-5v input 10**	Volt 10
E29			+5V Reference Voltage	+5V
E30			Ground	GND
**NOTE: These inputs can be converted to Temp inputs by adding 1k pull-up resistors to board.				
E31	JST Expansion 5 Pin		CAN/Communication Ground	CAN GND
E32			CAN Bus 1 Low or -	CAN1L
E33			CAN Bus 1 High or +	CAN1H
E34			Serial Receive Signal	RS232-RX
E35			Serial Transmit Signal	RS232-TX