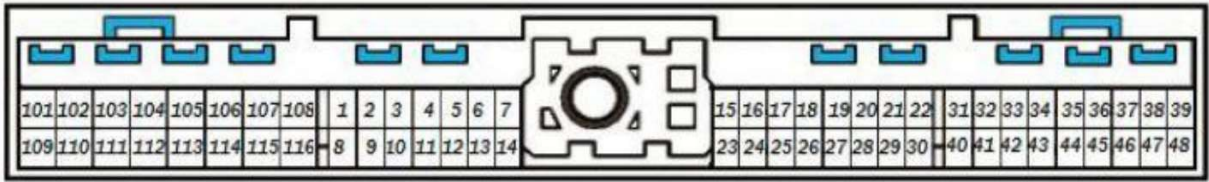


S14 ECU Connector Pinout

View from back of connector with wire pointing towards the eye



S14a SR20de MT				S14a SR20de AT		S14a SR20det AT/MT	
Pin #	Wire	Description 65F00	Wire	Description 80F70	Wire Color	Description SR20det	
1	Y/B	Coil Trigger	W	CAS	R/W	Ignition Signal 1	
2	BL/B	Tacho	BL/B	Tacho	Y/R	Tacho	
3	W/B	Coil Fire Confirm	Y/R	To CAS 2.2 Ohm	R/Y	Ignition Signal 2	
4	R/B	ECCS Relay	R/B	ECCS Relay	R/B	ECCS Relay	
5	R	ECU Current Return	R	ECU Current Return	R/G	Ignition Signal 3	
6	B	Ground	B	Ground	B	Ground	
7	G/B	Signal From Consult	G/B	Signal From Consult	G/B	Signal From Consult	
8	-	-	-	-	-	-	
9	O/B	Fan Relay	O/BL	AC Cutout Relay	O/B	Fan Signal	
10	-	-	-	-	-	-	
11	G/Y	AC Relay	G/Y	AC Relay	G/Y	AC Relay	
12	Y	VTC Solenoid	Y	VTC Solenoid	PU/B	AT Gear Select	
13	B	Ground	B	Ground	B	Ground	
14	G/W	Clock	G/W	Clock	G/W	Clock	
15	G	Control Unit Transmit	G	Control Unit Transmit	G	Control Unit Transmit	
16	R	MAF Input	W	MAF Input	W	MAF Input	
17	B	MAF Ground	B	MAF Ground	B	MAF Ground	
18	BL/O	Coolant temp	BL/Y	Coolant temp	BL/O	Coolant temp	
19	W	O2 Sensor Input	W	O2 Sensor Input	W	O2 Sensor Input	
20	W	TPS Input	W	TPS Input	W	TPS Input	
21	B	Sensor Ground	B	Sensor Ground	B	Sensor Ground	
22	W	CAS 180° Signal	W	CAS 180° Signal	W	CAS 180° Signal	
23	R/W	CLK Data	G/PU	Check Start	G/R	CLK Data	
24	O/B	Malfunction Indication Lamp	O	Malfunction Indication Lamp	O/B	Malfunction Indication Lamp	
25	-	-	O/B	Exhaust Temp Warning	R/BL	Ignition Signal 4	
26	-	-	W/B	?	-	-	
27	W	Knock Sensor	W	Knock Sensor	W	Knock Sensor	
28	-	-	R/Y	AT TPS	W/BL	AT TPS	
29	B	Ground	PU/B	Ground	B	Injector Ground	
30	W	CAS 180° Signal	W	CAS 180° Signal	W	CAS 180° Signal	
31	B	CAS 1° Signal	B	CAS 1° Signal	B	CAS 1° Signal	
32	Y/G	Speed Sensor	Y/G	Speed Sensor	Y/G	Speed Sensor	
33	-	-	BL/PU	?	-	-	
34	O	Start Signal	O/BL	Start Signal	O	Start Signal	
35	-	-	G/R	AT Neutral	G/O	AT Neutral	
36	B/R	Ignition On	B/BR	Ignition On	B/R	Ignition On	
37	LG/R	TPS Output	LG/PU	TPS Output	LG/R	TPS Output	
38	B/W	ECU Power	B/W	ECU Power	B/W	ECU Power	
39	B	ECU Ground	B	ECU Ground	B	ECU Ground	
40	B	CAS 1° Signal	B	CAS 1° Signal	B	CAS 1° Signal	
41	BL/G	AC On Switch Dash	BL	AC On Switch Dash	BL/G	AC On Switch Dash	
42	-	-	BL/G	AT Gear Select?	BR/Y	AT Gear Select	
43	-	-	PU/W	Power Steering Switch	PU/W	Power Steering Switch	
44	B	Ground	-	-	LG/R	AT Gear Select	
45	-	-	BL/W	AT Gear Select?	-	-	
46	R	ECU Backup Power	R	ECU Backup Power	R	ECU Backup Power	
47	B/W	ECU Power	B/W	ECU Power	B/W	ECU Power	
48	B	ECU Ground	B	ECU Ground	B	ECU Ground	
101	W/B	Injector #1	W/B	Injector #1	W/B	Injector #1	
102	-	-	-	-	O/B	Wastegate Solenoid	
103	G/B	Injector #3	G/B	Injector #3	G/B	Injector #3	
104	B/G	Fuel Pump Relay	B/Y	Fuel Pump Relay	B/PU	Fuel Pump Relay	
105	-	-	-	-	-	-	
106	-	-	-	-	-	-	
107	B	Injector Ground	B	Injector Ground	B	Injector Ground	
108	B	Injector Ground	B	Injector Ground	B	Injector Ground	
109	B	O2 Sensor Heater	B/BR	O2 Sensor Heater	R	ECU Current Return	
110	Y/B	Injector #2	Y/B	Injector #2	Y/B	Injector #2	
111	B/Y	AAC	LB	AAC	B	O2 Sensor Heater	
112	BL/B	Injector #4	BL/B	Injector #4	BL/B	Injector #4	
113	B	Injector Ground	B	Injector Ground	LB	AAC	
114	-	-	-	-	-	VTC Solenoid	
115	-	-	-	-	-	-	
116	B	Injector Ground	B	Injector Ground	B	Injector Ground	

80F70 to SR20det ECU Action List

Move	To
1	Delete
3	Delete
5	109
12	114
25	Delete
109	111
111	113
113	29
New	1
New	3
New	5
New	25
New	102

Direct to smart COP (Yaris/R8)

IMPORTANT

If turbo-ing with NA loom:
S14a SR20de AT loom has home and 4x trigger for CAS reversed

Nissan SR20 Distributor



Delete 1,2,7,8 Note: 7 perfect for COP supply, tacho will work
Switch 3 (W) and 4 (B)