Coolant Fan Control Module J293 Pinout – Vehicles With A/C Pressure Sensor G65
2000-2004 Golf/Jetta/ New Beetle 1.8L and 2.0L (Except Engine Code BBW)

TERMINAL T4a or T4e as applicable	IN / OUT	SIGNAL PURPOSE	SIGNAL TYPE
T4/1	Input	Battery power for the Coolant Fan Control Module	30 power via Fuse S164
T4/2	Output	Power to run Coolant Fans V7 and V35 at 1st speed when the A/C is turned ON	Power via Fuse S180 when all conditions to turn ON the A/C are met, see T14/3 and T14/8
T4/3	Input	Battery power for the Coolant Fan Control Module	30 power via Fuse S180
T4/4	Output	Power to run Coolant Fans V7 and V35 at 2nd speed (Ignition ON only)	Power via Fuse S164 when either the Coolant Fan Control Thermal Switch F18 terminal 3 sends power to the Coolant Fan Control Module or the A/C Pressure Sensor G65 sends the appropriate signal to the Coolant Fan Control Module, see T14/3
T14/1	Output	Power to run the After-Run Coolant Pump V51 (If so equipped)	The After-Run Coolant Pump V51 runs for approximately 10 minutes when the ignition is switched OFF regardless of engine coolant temperature
T14/2	Input	A/C pressure signal from the High Pressure Sensor G65	Duty cycle signal; see VESIS for specifications.
T14/3	Input	A/C load cut-out signal, shuts off the A/C compressor clutch during high engine load or automatic transmission kick-down	Ground from the Engine Control Module to disengage the A/C compressor during high engine load or automatic transmission kick-down, this signal is also the source of the compressor engagement delay when switching the A/C ON
T14/4	Input	Battery power for the Coolant Fan Control Module	30 power via Fuse S16
T14/5	Input	Signal from the Ambient Temperature Switch F38	Power via the Ambient Temperature Switch F38 when the ambient temperature is above 30°F (-1°C), see T14/14
T14/6	Input	Ground for the Coolant Fan Control Module	Ground
T14/7	Input	Signal from the Coolant Fan Control Thermal Switch F18 terminal 3 to switch Coolant Fans V7 and V35 to 2nd speed	30 power via Fuse S180 when coolant temperature exceeds 210-221°F (99-105°C)
T14/8	Input	Signal to turn on the A/C via the Fresh Air Blower Switch E9 and the A/C Switch E35	X power via Fuse S225 when the A/C and fan switches are turned ON
T14/9	Input	Switched power for the Coolant Fan Control Module	15 power via Fuse S5
T14/10	Output	Power to the A/C Compressor Clutch N25	Power via Fuse S16 when all conditions to turn on the A/C compressor are met, see T14/2, T14/3, T14/5, T14/8 and T14/13
T14/11	Unused	Unused	Unused
T14/12	Unused	Unused	Unused
T14/13	Input	Engine overheat signal from the Engine Coolant Temperature Sensor G2 via the Instrument Cluster J285	Variable duty cycle signal from the Instrument Cluster J285 when the engine is not overheating, 0% duty cycle when the engine is overheating. Use the VAS 5051 DSO to read this signal: 5 V/Div, 100 ms/Div. Note: When overheating, this signal will switch the A/C compressor OFF and switch the radiator fan to 2nd speed.
T14/14	Output	Reference voltage for the Ambient Temperature Switch F38	Positive reference voltage for the Ambient Temperature Switch F38, see T14/5