

G5 VOODOO NEO 6

Installer I/O Table



#	Wire Description	Installer Connection	Typical Application
A5	+14V	+14 Volt constant or switched	ECU main power supply
A6	Ignition Switch	+14 Volt ignition switched	Controls internal hold power relay, required to turn ECU on
B5	+14V E-Throttle	+14 Volt constant or switched	Powers H-bridge 1 and H-bridge 2. 12Amp Cont.
A8	Trigger 1	Crank Angle Sensor	Reluctor, Proximity, Optical or Hall
A9	Trigger 2		
B9	Knock 1		
B8	Knock 2		Knock Sensors
A15	Analogue Temp Input 1		
A16	Analogue Temp Input 2		
B6	Analogue Temp Input 3		Configurable 1k or 10k to 5V, or no Pull-up
B7	Analogue Temp Input 4		
A17	Analogue Volt 1		
A22	Analogue Volt 2		0-5V Input from sensor or external controller
A33	Analogue Volt 3		
A30	Digital Input 1		
A31	Digital Input 2		VVT Position, Switched Input or Frequency Input
A23	Digital Input 3		Safe for use with retractor sensors
B21	Digital Input 4		Configurable 4.7kΩ Pull-up to VBat
B20	Digital Input 5 / K-Line		Switched Input or Frequency Input, safe for use with retractor sensors. Configurable 4.7kΩ Pull-up to VBat
B19	Digital Input 6		
A14	ADIO 1		
B33	ADIO 2		When used as Aux: PWM or General Switching Function. Flywheeled, Low-side only
B15	ADIO 3		
B16	ADIO 4		
B23	ADIO 5		When used as DI: Switched only, configurable 1.5kΩ Pull-up to VBat
B24	ADIO 6		When used as AN Volt: 0-5V Input from sensor or external controller
A32	+5V Out	TPS and MAP sensor power	+5V Power Out (1A Cont. load max)
A13	Ignition 1		Spare Ignition drives can be used as Auxillary Outputs
A12	Ignition 2		
A11	Ignition 3		
A10	Ignition 4		
B13	Ignition 5		
B12	Ignition 6		
B30	Ignition 7		
B29	Ignition 8		
A4	Injection 1		Wire Inj 1 to cyl 1, 2 to 2, 3 to 3, etc... Spare Injection drives can be used as Auxillary Outputs
A3	Injection 2		
A2	Injection 3		
A1	Injection 4		
B4	Injection 5		
B3	Injection 6		
B2	Injection 7		
B1	Injection 8		
A19	Injection 9 / Digital Input 7		When used as Injection: Not flywheeled, no pull-up When used as Aux: PWM, General Switching Function or Stepper (6 wire only). Flywheeled, low-side only, pull-up resistor When used as DI: Switched Input or Frequency Input, safe for use with retractor sensors. Configurable 4.7kΩ Pull-up to VBat
A29	Injection 10 / Digital Input 8		
A28	Injection 11 / Digital Input 9		
A27	Injection 12 / Digital Input 10		
A21	Auxillary Output 1		PWM or General Switching Function. Three Wire ISC Solenoid must be wired to Aux1 and Aux2. Flywheeled, Low side only, Pull-up resistor
A20	Auxillary Output 2		
A18	Auxillary Output 3 / H-Bridge 1	(E-throttle Motor 1 +)	E-Throttle Motor or PWM or General Switching Function Flywheeled
A26	Auxillary Output 4 / H-Bridge 1	(E-throttle Motor 1 -)	
B18	Auxillary Output 5 / H-Bridge 2	(E-throttle Motor 2 +)	
B26	Auxillary Output 6 / H-Bridge 2	(E-throttle Motor 2 -)	
B27	CAN 2 High		Internal 120Ω terminating resistor
B28	CAN 2 Low		
B11	MES	Sensor Green Wire (pin 5)	Bosch LSU 4.9 Wideband Lambda Sensors Sensor Grey Wire (pin 4) connect to an ignition switched supply (+14V)
B14	RE	Sensor Black Wire (pin 6)	
B31	IPE	Sensor Yellow Wire (pin 2)	
B32	APE	Sensor Red Wire (pin 1)	
B10	Heat	Sensor White Wire (pin 3)	Sensor shield drain
A7	Shield Ground	Use for Trigger shields	
B17	Shield Ground	Use for Knock shields	For any sensors that need to ground to ECU
A24	Sensor Ground		
B22	Sensor Ground		
A25	Ground		To engine block or head (All 4 wires must run the entire way and connect to the same point) Do not ground to chassis
A34	Ground		
B25	Ground		
B34	Ground		

Notes: