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		Knock Sensors
B8	Knock 2		
A15	Analogue Temp Input 1		Thermistor Sensors Configurable 1k or 10k to 5V, or no Pull-up
A16	Analogue Temp Input 2		
B6	Analogue Temp Input 3		
B7	Analogue Temp Input 4		
A17	Analogue Volt 1		0-5V Input from sensor or external controller No Pull-up
A22	Analogue Volt 2		
A33	Analogue Volt 3		
A30	Digital Input 1		VVT Position, Switched Input or Frequency Input Safe for use with reluctor sensors Configurable 4.7kΩ Pull-up to VBat
A31	Digital Input 2		
A23	Digital Input 3		
B21	Digital Input 4		
B20	Digital Input 5 / K-Line		Switched Input or Frequency Input, safe for use with reluctor sensors. Configurable 4.7kΩ Pull-up to VBat
B19	Digital Input 6		
A14	ADIO 1		**When used as Aux:** PWM or General Switching Function. Flywheeled, Low-side only **When used as DI:** Switched only, configurable 1.5kΩ Pull-up to VBat **When used as AN Volt:** 0-5V Input from sensor or external controller
B33	ADIO 2		
B15	ADIO 3		
B16	ADIO 4		
B23	ADIO 5		
B24	ADIO 6		
A32	+5V Out	TPS and MAP sensor power	+5V Power Out (400mA 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, no pull-up **When used as DI:** Switched Input or Frequency Input, safe for use with reluctor 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)	
A7	Shield Ground	Use for Trigger shields	Sensor shield drain
B17	Shield Ground	Use for Knock shields	
A24	Sensor Ground		For any sensors that need to ground to ECU
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:

Version 2