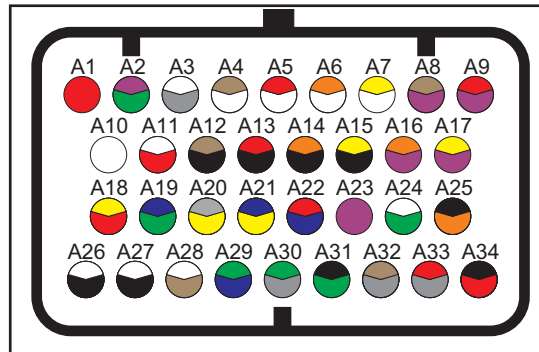


**NOTES:**  
 The signal direction of each pin is shown by:  
 ▲ - Input    ▼ - Output    ◆ - Input/Output

# Main Connector - Male Pin View

Internal MAP Sensor  
Vacuum/Boost Port Input  
(Maximum Boost  
Pressure 30 PSI)



	PIN	PIN NAME	DESCRIPTION
	A1	+12V Input	+12V Input
	A2	A/C Request Input	Air Conditioner Compressor Clutch Sense
	A3	Idle Air (PWM)	Output (Low Side Driver 1.1A Max)
	A4	Injector Output 1	Min Injector Impedance 0.5 Ohms
	A5	Injector Output 2	Min Injector Impedance 0.5 Ohms
	A6	Injector Output 3	Min Injector Impedance 0.5 Ohms
	A7	Injector Output 4	Min Injector Impedance 0.5 Ohms
	A8	Aux HL1	High Side/Low Side Driver 1A Max
	A9	Aux HL2	High Side/Low Side Driver 1A Max
	A10	Fuel Pump Output	Low Side Driver 1.1A Max
	A11	Boost Control Output (PWM)	Low Side Driver 1.1A Max
	A12	Ignition Output 1	Low Side Driver 2.2A Max
	A13	Ignition Output 2	Low Side Driver 2.2A Max
	A14	Ignition Output 3	Low Side Driver 2.2A Max
	A15	Ignition Output 4	Low Side Driver 2.2A Max
	A16	Aux HL3	High Side/Low Side Driver 1A Max
	A17	Aux HL4	High Side/Low Side Driver 1A Max
	A18	+5V Engine Sensors Output	0.2A Max
	A19	Throttle Position Sensor Input	Potentiometer or Switch Type
	A20	Engine Temperature Sensor Input	NTC Resistor Type
	A21	Air Temperature Sensor Input	NTC Resistor Type
	A22	Sensor Ground	Sensor Ground
	A23	Tacho Output	Low Side Driver 1.1A Max
	A24	Thermofan Output	Low Side Driver 1.1A Max
	A25	RS232 RXD	ECU to PC Communications
	A26	Power Ground	Connect to Chassis Ground or Battery Neg
	A27	Power Ground	Connect to Chassis Ground or Battery Neg
	A28	Trigger Reference Signal Input	Reluctor - Falling Edge, Hall - Rising or Falling
	A29	Trigger Reference Signal Ground	Signal Ground
	A30	Trigger Sync Signal Input	Reluctor - Falling Edge, Hall - Rising or Falling
	A31	Oxygen Sensor 1 Signal Input	Narrow Band or LSU-4 WB Sensor Controller
	A32	Aux LS1	?
	A33	Aux LS2	?
	A34	RS232 TXD	ECU to PC Communications

### Colour Guide:

- Injectors: WHITE Base
- Ignition: BLACK Base
- AuxLS: GREY Base
- AuxHL: VIOLET Base
- 1: BROWN Stripe
- 2: RED Stripe
- 3: ORANGE Stripe
- 4: YELLOW Stripe
- 5: GREEN Stripe
- 6: BLUE Stripe
- 7: VIOLET Stripe
- 8: GREY Stripe

### Colour Names:

- WHI : WHITE
- BLK : BLACK Base
- BRN : BROWN
- RED : RED
- ORN : ORANGE
- YEL : YELLOW
- GRN : GREEN
- BLU : BLUE
- VIO : VIOLET
- GRY : GREY

Wolf V4X Wiring Diagram

Date: 29/04/09

Rev 001

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**WOLF**