

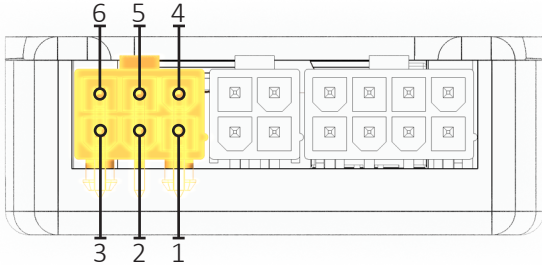


# LSU - 4.9 WIDEBAND

## » Connector and Pin outs

### Connector 1 - Module Side

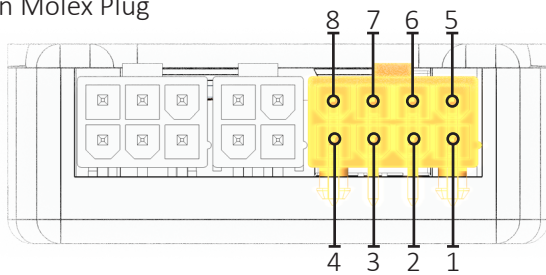
6 Pin Molex Plug



PIN	Function	Colour
1	GND	Brown
2	0-5v Input #1	(Optional)
3	0-5v Input #2	(Optional)
4	+5v	(Optional)
5	0-5v Input #3	(Optional)
6	0v to 5v Output	Black / Red

### Connector 3 - Module Side

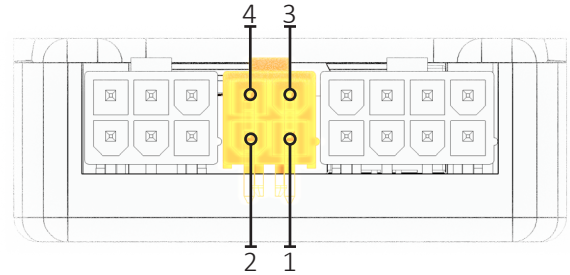
8 Pin Molex Plug



PIN	Function	Colour
1	0v	Yellow
2	Vs	Black
3	Heater +	Grey
4	GND	Brown
5	lpr (Cal)	Orange
6	lp	Red
7	Heater -	White
8	+12v	Red

### Connector 2 - Module Side

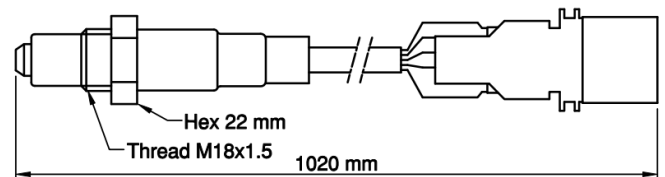
4 Pin Molex Plug



PIN	Function	Colour
1	CAN Low	White / Black
2	GND	Black
3	CAN High	White / Red
4	+12v	Red

### Connector 4 - LSU Side

6 pin Mating Connector



PIN	Function	Colour
1	lp	Red
2	Sensor 0v	Yellow
3	Heater -	White
4	Heater +	Grey
5	lpr (Cal)	
6	Vs	Black



## LSU - 4.9 WIDEBAND

### » MICROTECH LSU 4.9 WIDEBAND

The protocol operates at a default bit rate of 1Mbit/sec. Speed and CAN ID is adjustable via software. Unit uses the base format (CAN 2.0a - 11 bit identifiers) with Motorola byte order (high byte first).

**CAN BUS SETUP** - Units have no 120 ohm terminating resistor installed.

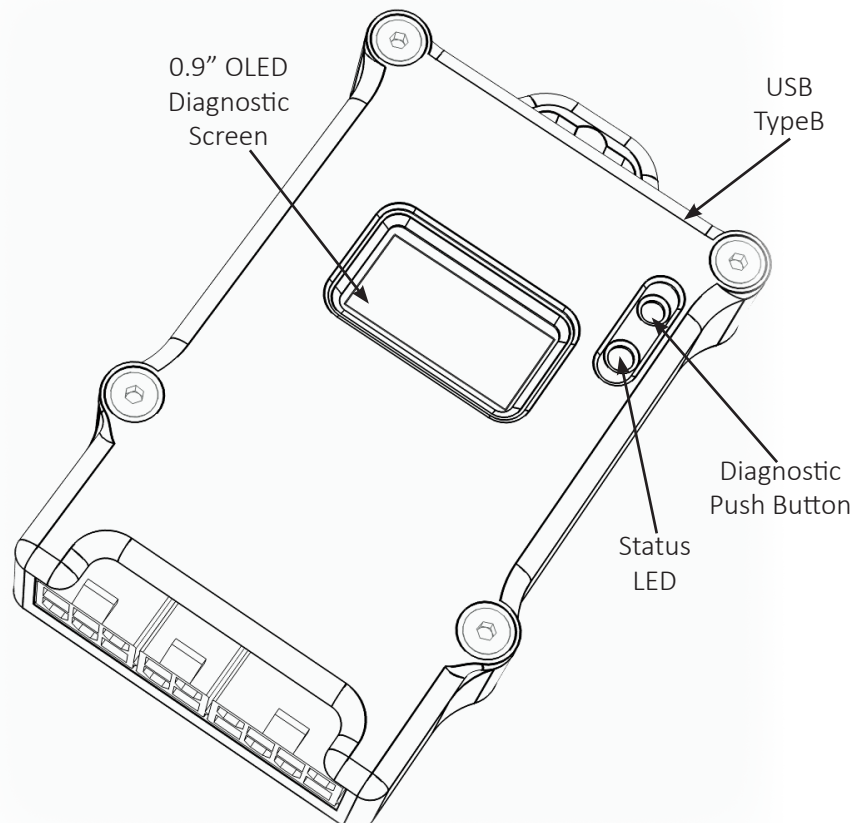
CAN ID	Byte	Channel	Units	Conversion (1 Unit =)	Example
0x01A (Box 1)	0 - 1	LAMBDA	Lambda	0.001	1000 = Lambda 1.000
0x01B (Box 2)	2 - 3				
	4 - 5				
	6 - 7	DIAGNOSTIC			

### » LSU 4.9 WIDEBAND RANGE -

**LAMBDA 0.65 - AIR (Default)**

**0.70 - AIR (Software Selectable)**

**Designed for use on  
High boost and  
High horsepower  
Engines**



### » Status LED Indicator -

Green (Steady) - Power on  
Green (Flashing) - Operational  
Amber - Warm up  
Red - Sensor NO connection