

Pin	Function	Color	Stripe
1.	Hi-Current 1	Lt. Green	_____
2.	Hi-Current 2	Lt. Green	Dk. Blue
3.	Injector J	White	Yellow
4.	Injector I	White	Gray
5.	Hi-Current 3	Lt. Green	Red
6.	CKP + (Crank)	White	Shielded
7.	Knock 2	Orange	Red
8.	+5V VREF Out 1	Gray	_____
9.	TPS In	Lt. Blue	Shielded
10.	IAT In	Orange	_____
11.	CLT In	Yellow	_____
12.	Analog In 6	Lt. Blue	Dk. Green
13.	Power Ground	Black	_____
14.	PWM Out 1	Lt. Green	_____
15.	CKP - (Crank)	Black	Shielded
16.	Shield Drain	_____	_____
17.	Analog In 7	Green	Orange
18.	Sensor Ground	Black	White
19.	Analog In 1	Lt. Blue	Dk. Blue
20.	Analog In 2	Lt. Blue	Red
21.	Analog In 3	Lt. Blue	Purple
22.	Analog In 4	Lt. Blue	Pink
23.	Analog In 5	Blue	Orange
24.	Tach Out	Lt. Green	Purple
25.	O2 In	Pink	_____
26.	CMP + (Cam)	Yellow	Shielded
27.	CMP - (Cam)	Red	Shielded
28.	Fuel Pump	Purple	_____
29.	PWM Out 2	Lt. Green	Pink
30.	PWM Out 3	Lt. Green	Dk. Green
31.	Knock 1	Orange	Purple
32.	Dig. Switched In 1/Flex Gray	Gray	Orange
33.	CAN L	Tan	Red
34.	CAN H	Tan	_____
35.	Switched 12V + In	Red	_____

Technical Support: support@ampefi.com

Pin	Function	Color	Stripe
1.	PWM Out 5	Lt. Green	Red
2.	PWM Out 4	Lt. Green	Orange
3.	Digital Out 2	Brown	Dk. Blue
4.	Digital Out 1	Brown	Dk. Green
5.	Digital I/O 4	Brown	Pink
6.	Digital I/O 2	Brown	Orange
7.	Analog In 8	Lt. Blue	Purple
8.	No Connection	_____	_____
9.	No Connection	_____	_____
10.	Digital Switched In 5	Gray	Orange
11.	Digital Switched In 4	Gray	Pink
12.	Digital I/O 5	Brown	Red
13.	Digital I/O 3	Brown	Lt. Green
14.	Digital I/O 1	Brown	_____
15.	+5V VREF Out 2	Gray	Black
16.	No Connection	_____	_____
17.	Sensor Ground	Black	White
18.	Sensor Ground	Black	White
19.	Sensor Ground	Black	White
20.	Sensor Ground	Black	White
21.	Sensor Ground	Black	White
22.	+5V VREF Out 1	Gray	_____
23.	No Connection	_____	_____



CAN

- 1. Switched 12VDC*
- 2. Switched 12VDC*
- 3. Ground
- 4. CAN H
- 5. CAN L



SERIAL

- 1. 5VDC
- 2. RX
- 3. Ground
- 4. TX



USB

* 12V Out, Max 1 amp

Pin	Function	Color	Stripe
1.	Injector A	White	_____
2.	Injector B	White	Orange
3.	Power Ground	Black	_____
4.	Injector C	White	Lt. Green
5.	Power Ground	Black	_____
6.	Injector D	White	Pink
7.	Power Ground	Black	_____
8.	Injector E	White	Red
9.	Power Ground	Black	_____
10.	Injector F	White	Dk. Green
11.	Injector G	White	Dk. Blue
12.	Injector H	White	Purple
13.	Spark G (Logic)	Yellow	Dk. Blue
14.	Spark E (Logic)	Yellow	Red
15.	Spark C (Logic)	Yellow	Lt. Green
16.	Spark H (Logic)	Yellow	Purple
17.	Digital Freq. In 2	Purple	Red
18.	Shield Drain	_____	_____
19.	Digital Switched 12V In	Gray	Dk. Blue
20.	Digital Switched In 2	Gray	Red
21.	Dig. Freq. In 3 Uncond.	Purple	Dk. Blue
22.	Digital Freq. In 3 VR +	Purple	Shielded
23.	Digital Freq. In 3 VR -	Blue	Shielded
24.	Spark F (Logic)	Yellow	Dk. Green
25.	Spark B (Logic)	Yellow	Orange
26.	Spark D (Logic)	Yellow	Pink
27.	Spark A (Logic)	Yellow	_____
28.	Dig. Freq. In 1 Uncond.	Purple	White
29.	Digital Switched In 3	Gray	Purple
30.	IAC1B (Stepper)	Blue	Red
31.	IAC1A (Stepper)	Blue	White
32.	IAC2A (Stepper)	Green	White
33.	IAC2B (Stepper)	Green	Red
34.	Digital Freq. In 1 VR +	Purple	Shielded
35.	Digital Freq. In 1 VR -	White	Shielded