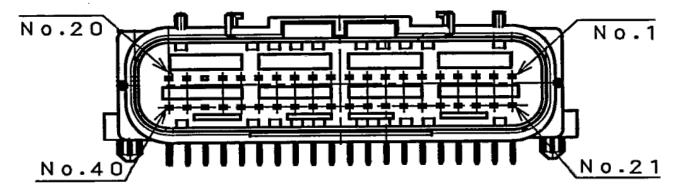
	Only for use with: Spark Gap x4 rev A			OpenLogicEFI	https://openlogicefi.com/support
	Primary Connector				
PIN#	Use	Direction	MCU PIN	Notes	Additional Notes:
1	Ignition Switched Power	Input	N/A	12V+ During Crank and Run	/ tadicional Hoces.
2	Battery - Ground	N/A	N/A	Primary - Battery - Ground	
3	WT	Output	D4	1a Max	
4	Boost	Output	D7	1a Max	
5	Injector 1	Output	D8	High-Z Only	
6	Injector 2	Output	D9	High-Z Only	
7	Injector 3	Output	D10	High-Z Only	
8	Injector 4	Output	D11	High-Z Only	
9	IAC Stepper Type Output - B2	Output	NA	0.5a Max	When DRV8825 Installed **
10	IAC Stepper Type Output - B1	Output	NA	0.5a Max	When DRV8825 Installed **
11	IAC Stepper Type Output - A1	Output	NA	0.5a Max	When DRV8825 Installed **
12 9	IAC Stepper Type Output – A2 Idle1	Output Output	NA D5	0.5a Max 1a Max	When DRV8825 Installed ** Without DRV8825 installed **
10	Idle1	Output	D5	1a Max	Without DRV8825 installed **
13	VSS	Input	D20	GND switching	Without DRV8823 Histalleu
14	VR1-	Input	N/A	GIND SWITCHING	
15	Crank/VR1+	Input	Buffer		JP2: Bypass Buffer
16	Battery - Ground	N/A	N/A	Reference Ground	If unused tie with Battery GND
17	CLT	Input	A1	Use with 2 wire sensor	2.49k Bias Resistor
18	IAT	Input	A0	Use with 2 wire sensor	2.49k Bias Resistor
19	TPS	Input	A2	Use with 5v Ref	
20	02	Input	A8	Use with 5v Ref	
21	Battery - Ground	N/A	N/A	Reference Ground	If unused tie with Battery GND
22	DigAux	Input	D13	Spare GND switched digital inpu	
23	DigAux	Input	D12	Spare GND switched digital inpu	t
24	Fuel-Pump	Output	D45	1a Max	
25	Fan	Output	D47	1a Max	
26	Tach	Output	D49	30mA Max	
27	Clutch	Input	D51	Ground Switching	
28	Flex	Input	D2	GM Style Sensor	
29	Ignition 4	Output	D50 D52	100mA Max	
30 31	Ignition 3 Ignition 2	Output Output	D52	100mA Max 100mA Max	
32	Ignition 2 Ignition 1	Output	D38	100mA Max	
33	Cam2/DigAux	Input	D40	Spare GND switched digital inpu	JP5: Bypass Buffer
34	Cam/VR2-		N/A		Ji 3. bypass barrer
34 35	Cam/VR2+	Input Input	Buffer		JP1: Bypass Buffer
				Deference Cround	
36 37	Battery - Ground 5v Ref	N/A	N/A N/A	Reference Ground 5v Reference for Sensors	If unused tie with Battery GND
37	SV Ret Map/ADC3	Output Input	A5/A11	SV Reference for Sensors	IP6*
38	ADC1	Input	A5/A11	Spare analog input	JF6"
40	ADC1	Input	A9 A10	Spare analog input	
40	ADCZ	Input	Α10	Spare arrained imput	



^{*}JP6 *1-2=External Map (On-board Map must be removed) *2-3=ADC3 (Allows use of ADC3 when on-board map is used)

^{**}ONLY POPULATE DRV8825 WHEN USING 4-WIRE STEPPER IAC **IDLE1 and/or IDLE2 pins can only be used WITHOUT DRV8825