	Only for use with: Closed Deck x4 rev A			OpenLogicEFI	https://openlogicefi.com/support

Grey Connector

PIN #	Use	Direction	MCU PIN	Notes	Additional Notes:
A1	Ignition Switched Power	Input	N/A	12V+ During Crank and Run	
A2	Injector 4	Output	D11	High-Z Only	
A3	Injector 3	Output	D10	High-Z Only	
A4	Injector 2	Output	D9	High-Z Only	
A5	Injector 1	Output	D8	High-Z Only	
A6	Fan	Output	D47	1a Max	
A7	Fuel-Pump	Output	D45	1a Max	
A8	VVT2	Output	D48	1a Max	
B1	Battery - Ground	N/A	N/A	Primary - Battery - Ground	
B2	IAC Stepper Type Output - A2	Output	NA	0.5a Max	When DRV8825 Installed
B3	IAC Stepper Type Output - A1	Output	NA	0.5a Max	When DRV8825 Installed
B4	IAC Stepper Type Output - B1	Output	NA	0.5a Max	When DRV8825 Installed
B5	IAC Stepper Type Output - B2	Output	NA	0.5a Max	When DRV8825 Installed
B2	DigAux	Output	D28	1a Max	Without DRV8825 installed
B3	DigAux	Output	D27	1a Max	Without DRV8825 installed
B4	Idle2	Output	D6	1a Max	Without DRV8825 installed
B5	Idle1	Output	D5	1a Max	Without DRV8825 installed
B6	DigAux	Output	D12	1a Max	
B7	Tach	Output	D49	30mA Max	
B8	VVT	Output	D4	1a Max	
C1	Battery - Ground	N/A	N/A	Primary - Battery - Ground	
C2	Ignition 4	Output	D50	100mA Max	
C3	Ignition 3	Output	D52	100mA Max	
C4	Ignition 2	Output	D38	100mA Max	
C5	Ignition 1	Output	D40	100mA Max	
C6	DigAux	Output	D13	1a Max	
C7	Boost	Output		1a Max	
C8	Battery - Ground	N/A	N/A	Primary - Battery - Ground	

Black Connector

PIN #	Use	Direction	MCU PIN	Notes	
A1	VSS	Input	D20	GND switching	
A2	DigAux	Input	D23	Spare GND switched digital input	
A3	Cam/VR2+	Input	Buffer		JP3: Bypass Buffer
A4	Cam/VR2-	Input	N/A		
A5	CLT	Input	A1	Use with 2 wire sensor	2.49k Bias Resistor
A6	o2	Input	A8	0-5v	
A7	AnalogAux	Input	A10	Spare analog input	JP6: 2.49k Bias Resistor
A8	5v Ref	Output	N/A	5v Reference for Sensors	
B1	Flex	Input	D2	GM Style Sensor	
B2	DigAux	Input	D22	Spare GND switched digital input	
B3	Crank/VR1+	Input	Buffer		JP4: Bypass Buffer
B4	VR1-	Input	N/A		
B5	IAT	Input	A0	Use with 2 wire sensor	2.49k Bias Resistor
B6	AnalogAux	Input	A12	Spare analog input	JP8: 2.49k Bias Resistor
B7	AnalogAux	Input	A11	Spare analog input	JP7: 2.49k Bias Resistor
B8	5v Ref	Output	N/A	5v Reference for Sensors	
C1	Cam2/DigAux	Input	D3	Spare GND switched digital input	JP2: Bypass Buffer
C2	DigAux	Input	D21	Spare GND switched digital input	
C3	Clutch	Input	D51	Ground Switching	
C4	GND – Reference	Output		GND Reference for Sensors	
C5	TPS	Input	A2	0-5v	
C6	AnalogAux	Input	A9	Spare analog input	JP5: 2.49k Bias Resistor
C7	AnalogAux	Input	A13	Spare analog input	JP9: 2.49k Bias Resistor
C8	GND - Reference	Output	N/A	GND Reference for Sensors	