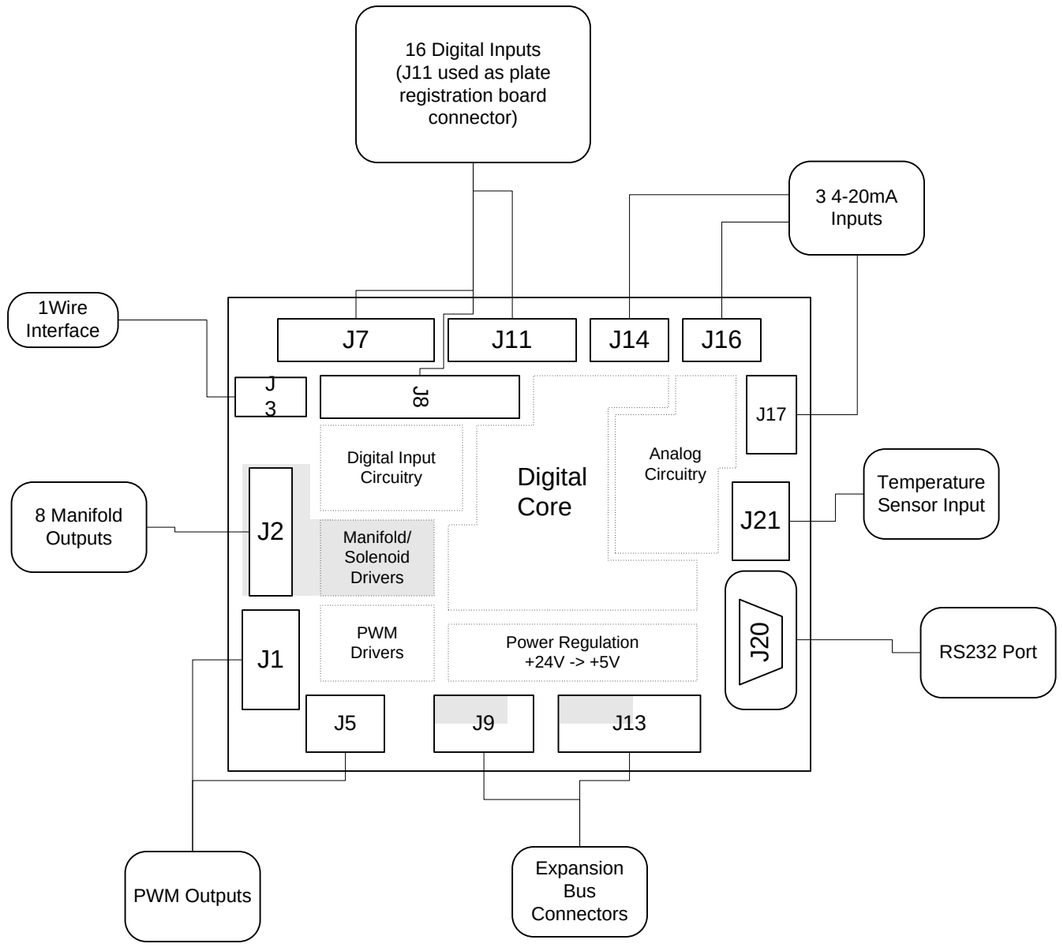
LIONEL Board Block Diagram

Electrical Connections



Summary of Functionality

	Qty	
Sensor Inputs		
Digital Inputs	16	
4-20mA Inputs	3	
Temperature Sensor Input	1	
Control Outputs		
250mA Manifold Outputs	8	
PWM Drivers	6	
Communications		
Expansion Bus Connectors	2	
RS232 Port	1	
1Wire Bus	1	

Connector Summary

Designator	Board Text	Type	Description
J1	PWM_OUT2	2x4 Minifit Jr	PWM Output Connector #2
J2	SOL_DRV1	2X8 Shrouded	Solenoid Output Connector
J3	1WIRE	1X2 Minifit Jr	1Wire Connector
J4	BDM	2X6	BDM Port
J5	PWM_OUT1	2X3 Minifit Jr	PWM Output Connector #1
J6	-	1X2 Header	Daughter Board Connector #3
J7	DIG_IN2	2X10 Shrouded	Digital Input Connector #2
J8	DIG_IN3	2X15 Shrouded	Digital Input Connector #3
J9	SCON2	2X5 Minifit Jr	Expansion Bus Connector #2
J10		2X8 Header	Daughter Board Connector #1
J11	DIG_IN1	2X7 Shrouded	Digital Input Connector #1
J12	-	2X10 Header	Daughter Board Connector #2
J13	SCON1	2X8 Minifit Jr	Expansion Bus Conector #1
J14	AN_3	1X6 MTA	Analog Input Connector #3
J15	BOOT	1X2 Jumper	BOOT Jumper
J16	AN_2	1X6 MTA	Analog Input Connector #2
J17	AN_1	1X6 MTA	Analog Input Connector #1
J18	-	1X2 Jumper	+12V RS232 Enable Jumper
J19	-	1X2 Jumper	+12V RS232 Enable Jumper
J20	RS232 PORT	DB9F	RS232 Port
J21	TEMP	2X3 MinimateNLock	Temperature Input Connector

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