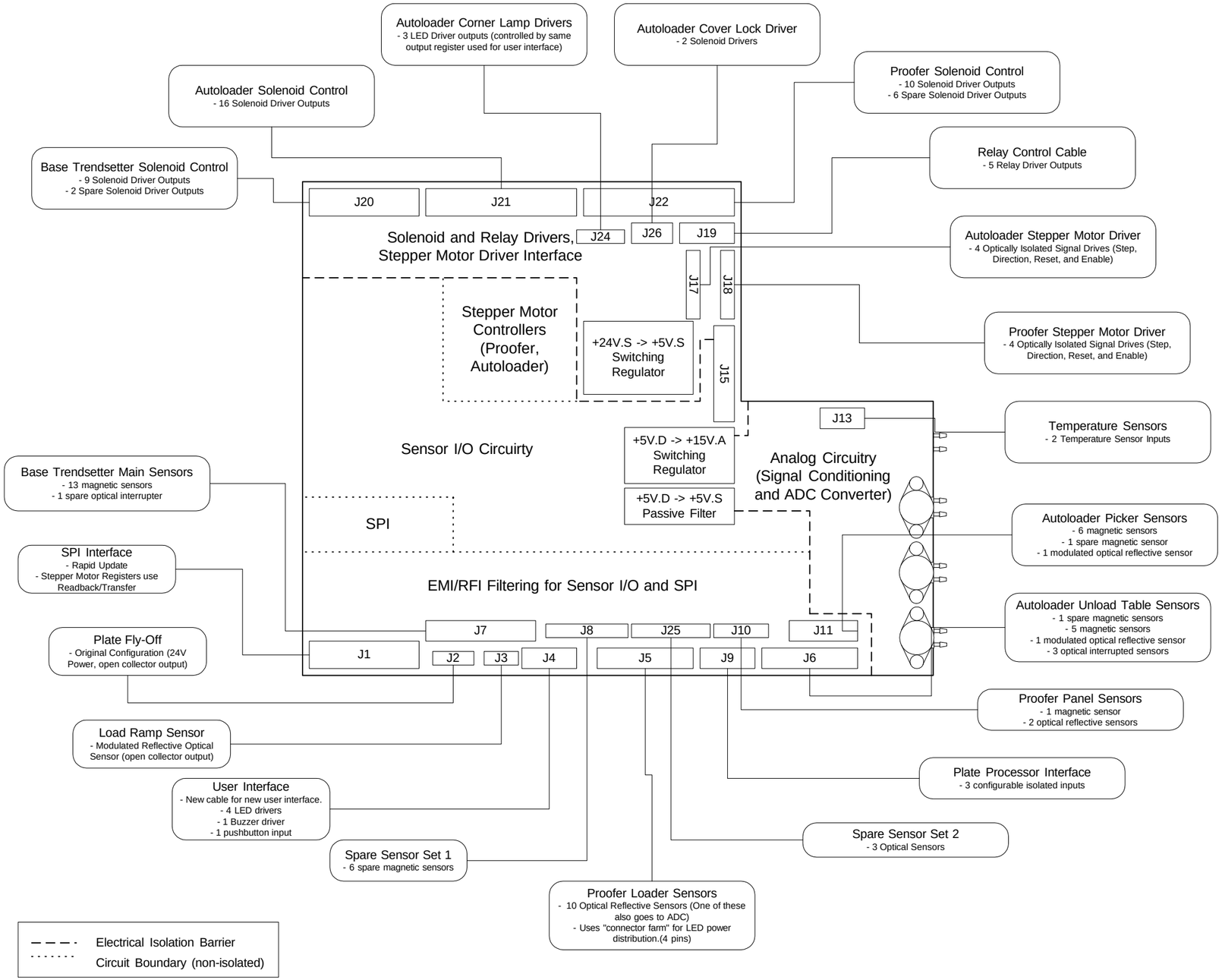
Electrical Connections



Summary of Functionality

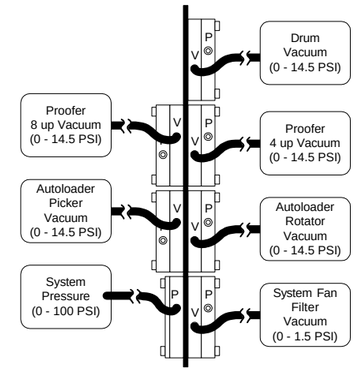
Sensor Inputs	Used	Spare
Optical Sensors		
Reflective (emitter follower)	12	3
Modulated Reflective	3	0
Interrupted (open collector)	3	1
Magnetic Sensors	25	8
Analog Input		
Reflective (emitter follower)	1	0
Temperature Sensors	2	0
Pressure Sensors		
0 - 1.5 PSI	1	0
0 - 14.5 PSI	5	0
0 - 100 PSI	1	0
Configurable Isolated Inputs	3	0
Plate Fly-Off	1	0
Push Button	1	0
Control Outputs	**Used**	**Spare**
High Current (150 mA)		
Solenoid Drivers	37	6
Relay Drivers	5	0
Low Current (30 mA)		
Lamp Drivers	7	0
Buzzer Driver	1	0
Stepper Motor Controllers	2	0

Notes:

One of the optical reflective sensors is listed under *Optical Sensors* and *Analog Input* sections.

The Configurable Isolated Inputs are used for the Plate Processor Interface.

Pressure Transducers



Connector Summary

Designator	Type	Description
J1	DB25M	SPI Interface
J2	1x8	Plate Fly-Off
J3	1x6	Load Ramp Sensor
J4	2x8 HDR	User Interface
J5	2x13 HDR	Proofer Loader Sensors
J6	2x15 HDR	Autoloader Unload Table Sensors
J7	2x17 HDR	Base Trendsetter Main Sensor
J8	1x16	Spare Sensor 1
J9	2x7 HDR	Plate Processor Interface
J10	1X10	Proofer Panel Sensors
J11	2x10	Autoloader Picker Sensors
J13	2x5 HDR	Temperature Sensors/Spare Analog Input
J17	1x12 MTA	Autoloader Stepper Motor Driver
J18	1x12 MTA	Proofer Stepper Motor Driver
J19	2x6 Minifit	Relay Control
J20	DB25F	Base Trendsetter Solenoid Control
J21	DB37F	Autoloader Solenoid Control
J22	DB37F	Proofer Solenoid Control
J24	1x8MTA	Autoloader Corner Lamp Drivers
J25	1x14MTA	Spare Sensor 2 (Optical Sensor Inputs)
J26	2x3 Minifit	Autoloader Cover Lock Drivers