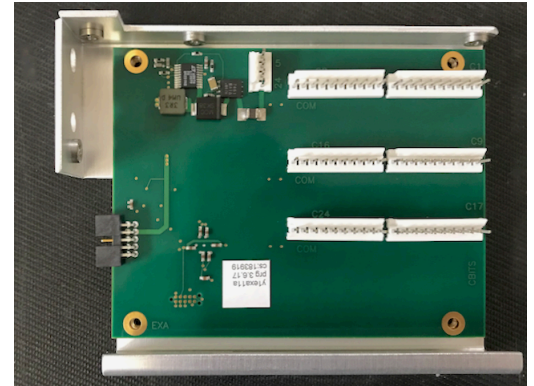


FEATURES

- 24 NPN Darlington pair control lines for driver applications
- 5V and 24V supplies for control line voltage

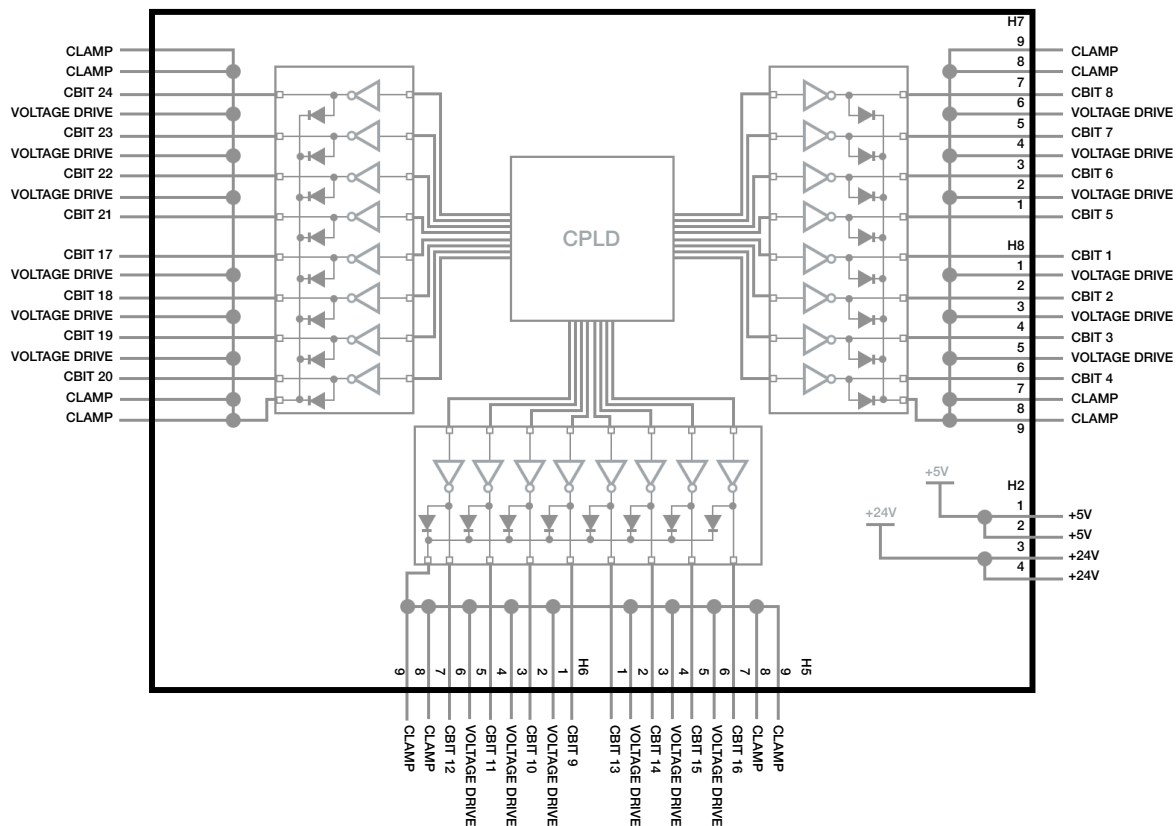
DESCRIPTION

The RIK0290A provides 24 control bits with 5V and 24V on-board supplies for various types of switch/relay drive. Each control line features high-voltage outputs with common-cathode clamp diodes for switching inductive loads as well as supporting operation directly with TTL or CMOS devices. The module allows for drop-in implementation and seamless software control with Cassini fixtures.



NOTE: Requires fixture equipped with RIFL Pod carrier PCB for installation and control.

BLOCK DIAGRAM



CONNECTOR TYPES

Control Bit/ DC Resources

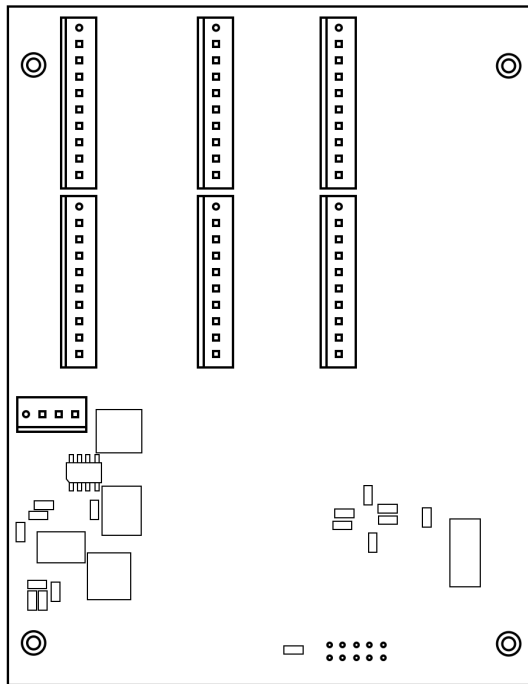
MTA-100

Module

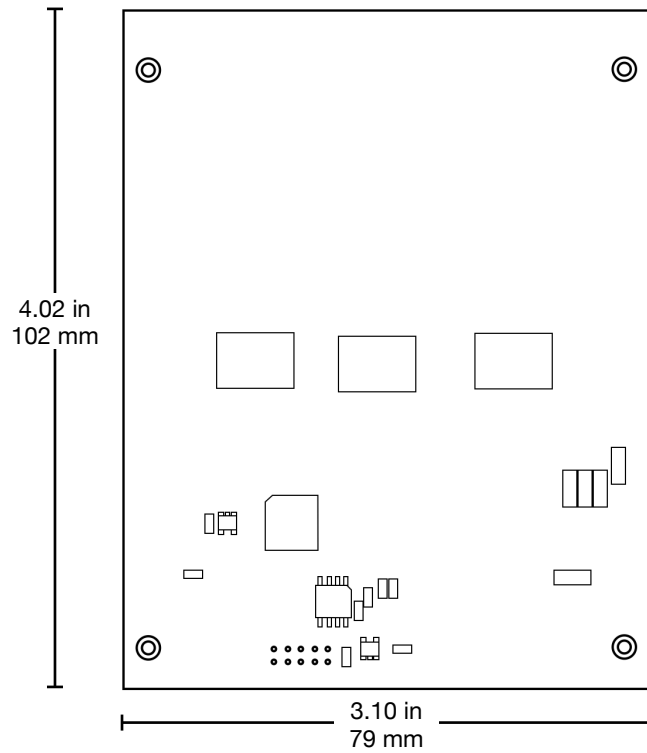
RIFL Pod 2x5, TSH-105-01-F-RA

PHYSICAL DIMENSIONS

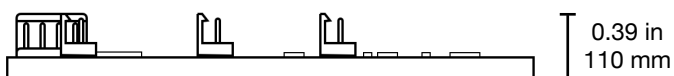
TOP VIEW



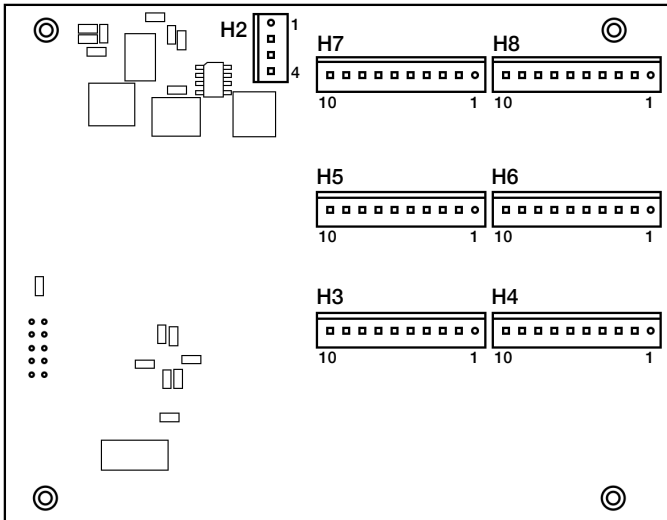
BOTTOM VIEW



SIDE VIEW



RESOURCES


H2

PIN	RESOURCE
1	+5V
2	+5V
3	+24V
4	+24V

H3

PIN	RESOURCE
1	CBIT 21
2	VOLTAGE DRIVE
3	CBIT 22
4	VOLTAGE DRIVE
5	CBIT 23
6	VOLTAGE DRIVE
7	CBIT 24
8	CLAMP
9	CLAMP
10	NC

H4

PIN	RESOURCE
1	CBIT 17
2	VOLTAGE DRIVE
3	CBIT 18
4	VOLTAGE DRIVE
5	CBIT 19
6	VOLTAGE DRIVE
7	CBIT 20
8	CLAMP
9	CLAMP
10	NC

H5

PIN	RESOURCE
1	CBIT 13
2	VOLTAGE DRIVE
3	CBIT 14
4	VOLTAGE DRIVE
5	CBIT 15
6	VOLTAGE DRIVE
7	CBIT 16
8	CLAMP
9	CLAMP
10	NC

H6

PIN	RESOURCE
1	CBIT 9
2	VOLTAGE DRIVE
3	CBIT 10
4	VOLTAGE DRIVE
5	CBIT 11
6	VOLTAGE DRIVE
7	CBIT 12
8	CLAMP
9	CLAMP
10	NC

H7

PIN	RESOURCE
1	CBIT 5
2	VOLTAGE DRIVE
3	CBIT 6
4	VOLTAGE DRIVE
5	CBIT 7
6	VOLTAGE DRIVE
7	CBIT 8
8	CLAMP
9	CLAMP
10	NC

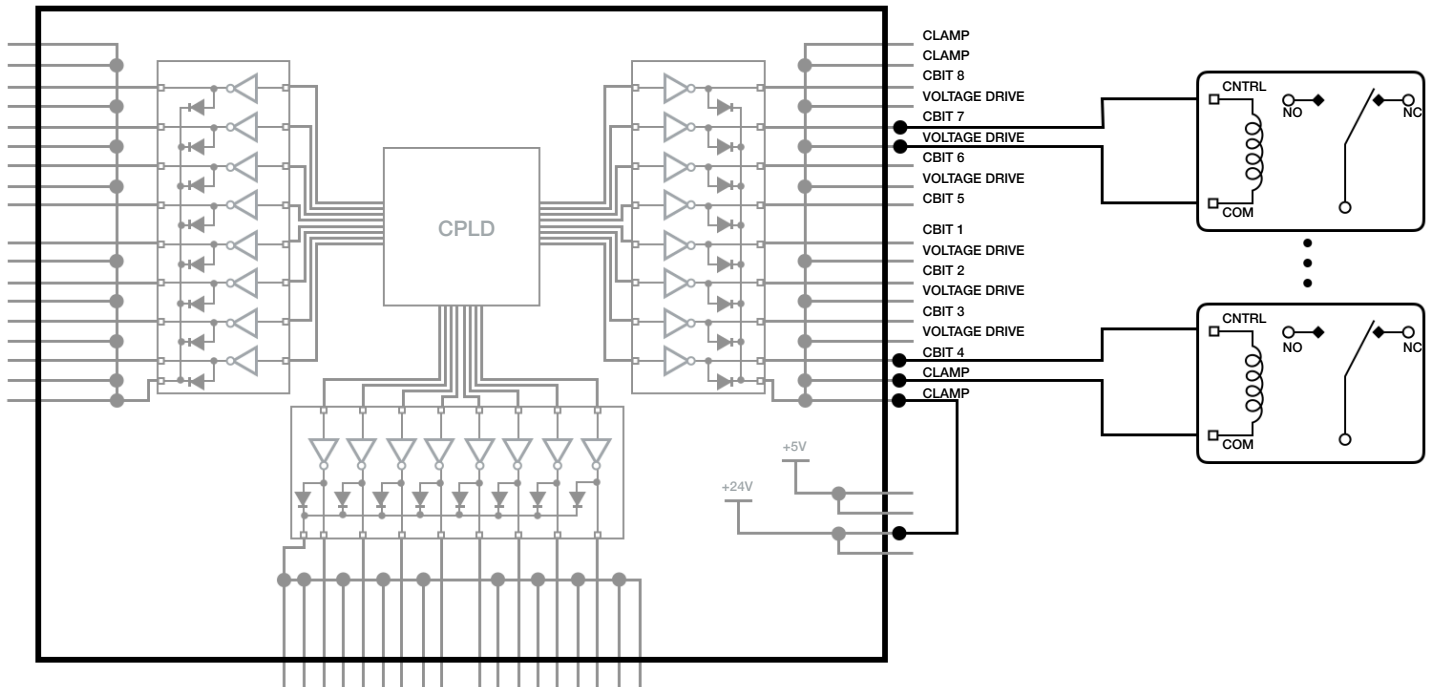
H8

PIN	RESOURCE
1	CBIT 1
2	VOLTAGE DRIVE
3	CBIT 2
4	VOLTAGE DRIVE
5	CBIT 3
6	VOLTAGE DRIVE
7	CBIT 4
8	CLAMP
9	CLAMP
10	NC

SPECIFICATIONS

CBITS	TYP	MAX	UNIT
Drive Voltage ¹		30	V
Load Current		500	mA
Switching Time	<130		ns
Rise Time	<5		ns
Fall Time	<10		ns

EXAMPLE SETUP



ALL PRODUCT, PRODUCT SPECIFICATIONS, AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE PERFORMANCE, FUNCTION, DESIGN, OR OTHERWISE.