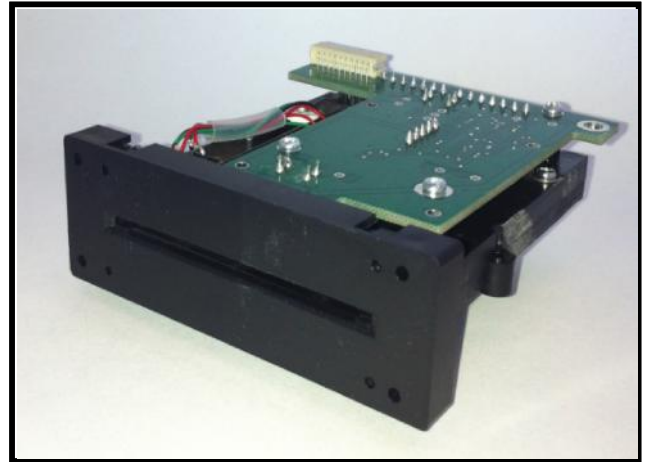## Partial Insertion Magstripe Reader

Features

- Bit/Strobe interface
- StatGuard™ static protection
- Front and rear card detects
- Jam proof card detect mech
- Open slot architecture
- Easily serviced while installed
- Reads ISO track1, track2 or both
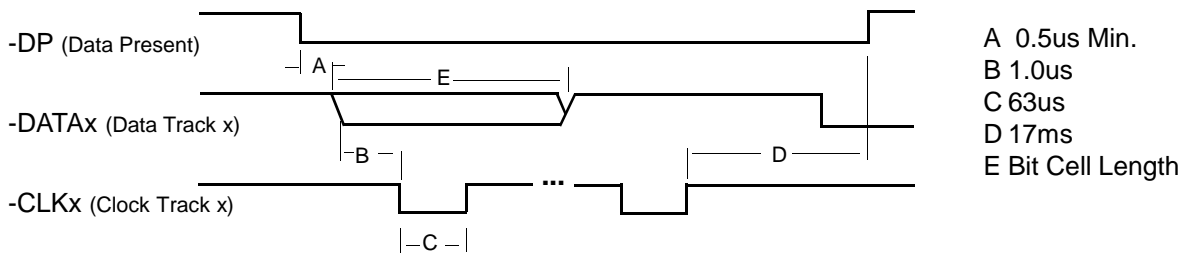- Designed for casino environment
- One year warranty

Model PI60N-120-BST-MFR

Specifications

Interface:	Bit/Strobe Single and Dual track
Read Direction:	Insertion and/or withdrawal
Tracks:	60% of ISO Track 1 (100) or Track 2 (020)
Read Speed:	3ips - 45ips
Card Thickness:	10mils - 45mils
Connector:	1 x 7 7 pin (Single track) 1x10 10 pin (Dual track)
Dimensions:	Length: 3.5in. Width: 4.0in. Height: 1.4in. approx.
MTBF:	Electronics: 100,000 hours Head Life: 500,000 minimum
Environment:	Operating Temp.: 0ºC - 50ºC Storage Temp.: -20ºC - 70ºC
	Operating Humidity: 8%-95% Storage Humidity: 5% -95%

Timing Diagram

-DP (Data Present)

-DATAx (Data Track x)

-CLKx (Clock Track x)

A 0.5us Min.
B 1.0us
C 63us
D 17ms
E Bit Cell Length

Model PI60N-120-BST

Model PI60N-120-BST is a partial insertion card reader with a bit/strobe interface designed as a replacement card reader for use in player track-ing systems. Antistatic features are used to in-sure the uninterrupted operation of the reader in casino environments, where static discharge can be problematic. The reader uses an innova-tive ball activated mechanism and optical sen-sor combination for front and rear card detects that insure that they can never be damaged or jam. Punched cards are impossible to snag. The reader comes with XS Technology's standard one year warranty.
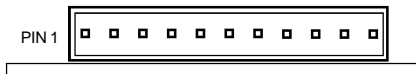
Pin Assignment

Single Track 1 or 2

1x7   7pin

PIN 1
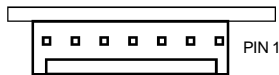
PIN	SIGNAL	
1	+V	
2	-DATA	Data bit Lo = Logic 1
3	-CLK	Clock LO data valid
4	-DP	Data present
5	-FCD	Front card detect
6	-RCD	Rear card detec
7	GND	

Dual Track 1and 2

PIN 1

1x10 10pin

PIN	SIGNAL	
1	+V	
2	-DATA2	Data bit Lo = Logic 1
3	-CLK2	Clock LO data valid
4	-DATA1	Data bit Lo = Logic 1
5	-CLK1	Clock LO data valid
6	-DP	Data present
7	(N/C)	
8	-FCD	Front card detect
9	-RCD	Rear card detect
10	GND	

Dimensions

3.00

1.00 0.72

0.225

2.65

0.125

3.04

3.29

J2   1   J3   1   1 J4

TRK1&2

TRK1   TRK2
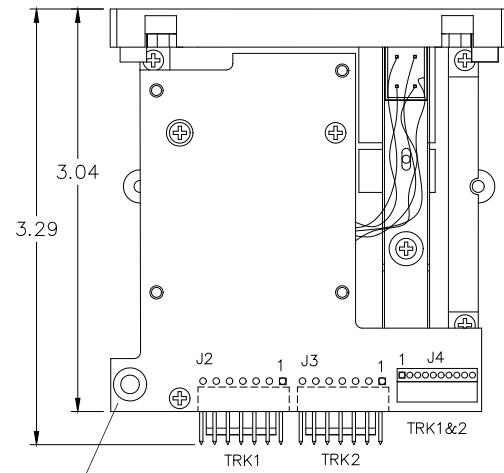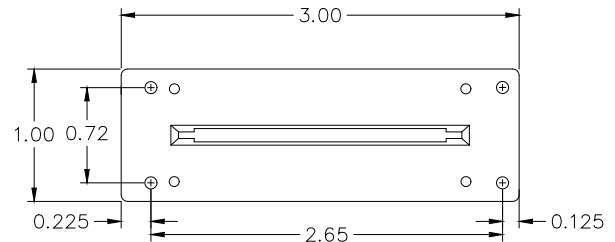
EARTH GROUND
CONNECTION

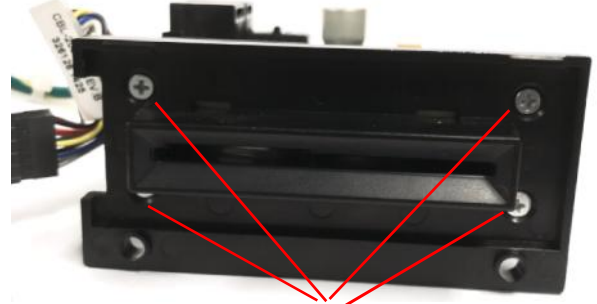## Power Requirements

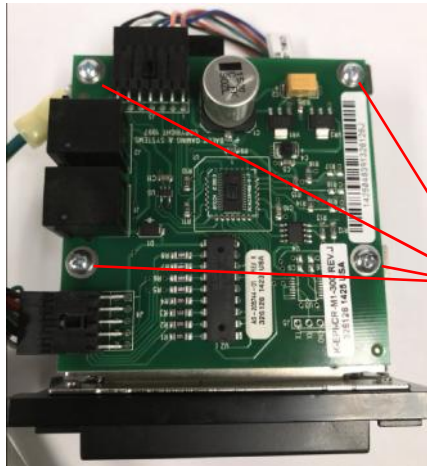|	
Voltage:	5.5V DC max.
	3.0V DC min.
Current	
Reader:	13.0mA @ 5.0V DC
	7.0 mA @ 3.0V DC
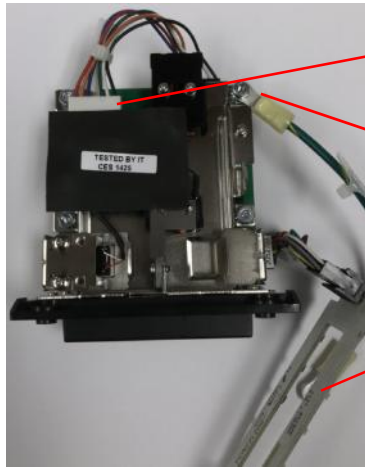
(1) Unplug cable to reader electronics.

(2) Disconnect ground wire and save mounting hardware.

(3) Remove LED assebly from bezel.

(4) Remove 4 screws from bezel.
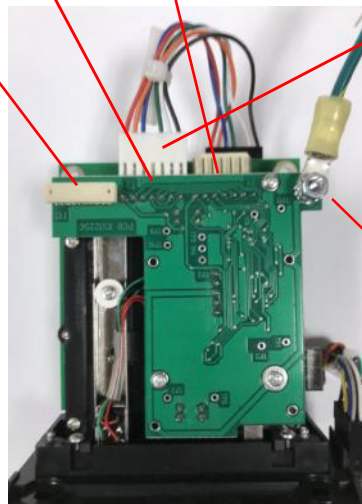
(5) Remove 4 screws from controller board assembly.

(6) Mount bezel to new reader using 4 Hi-LO screws supplied.

TRACKS 1&2, TRACK 2, TRACK 1

(8) Plug in the cable from the controller board to reader electronics. Select the receptacle for the system's track configuration.

(7) Mount the controller board assembly to new reader using 2 Hi-LO screws supplied.

(9) Attach ground wire to reader electronics board assembly using the saved mounting hardware.

INSTALLING PI60N-1/2/12-BST-MFR READER

4/27/18