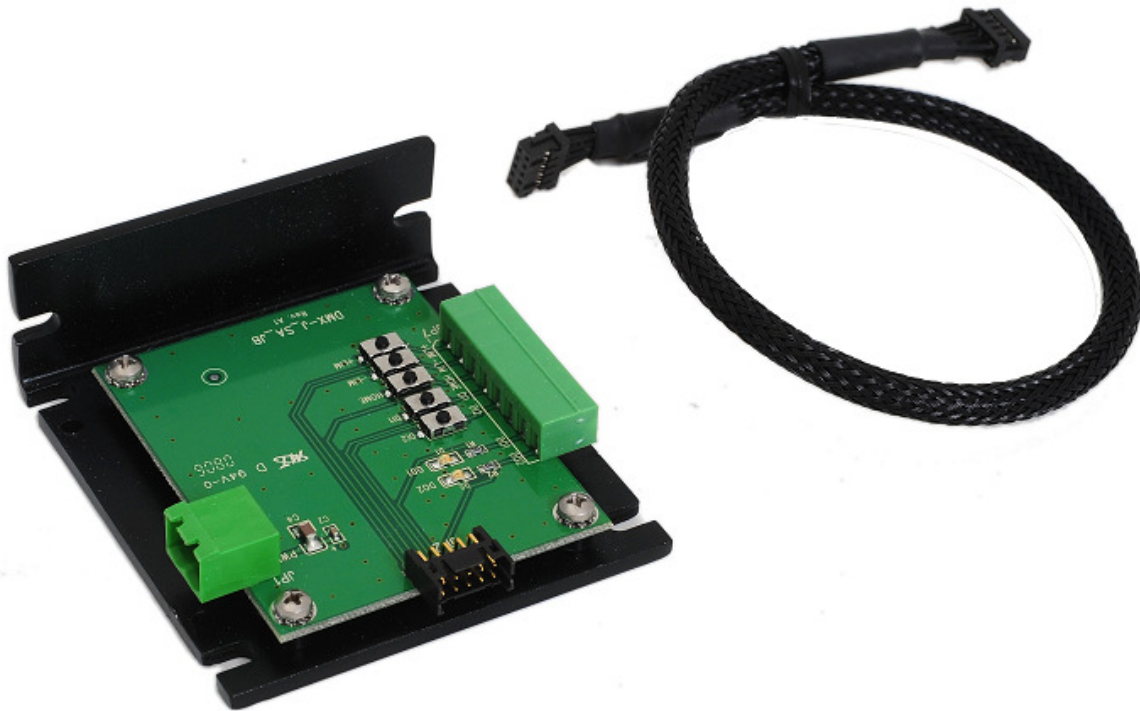
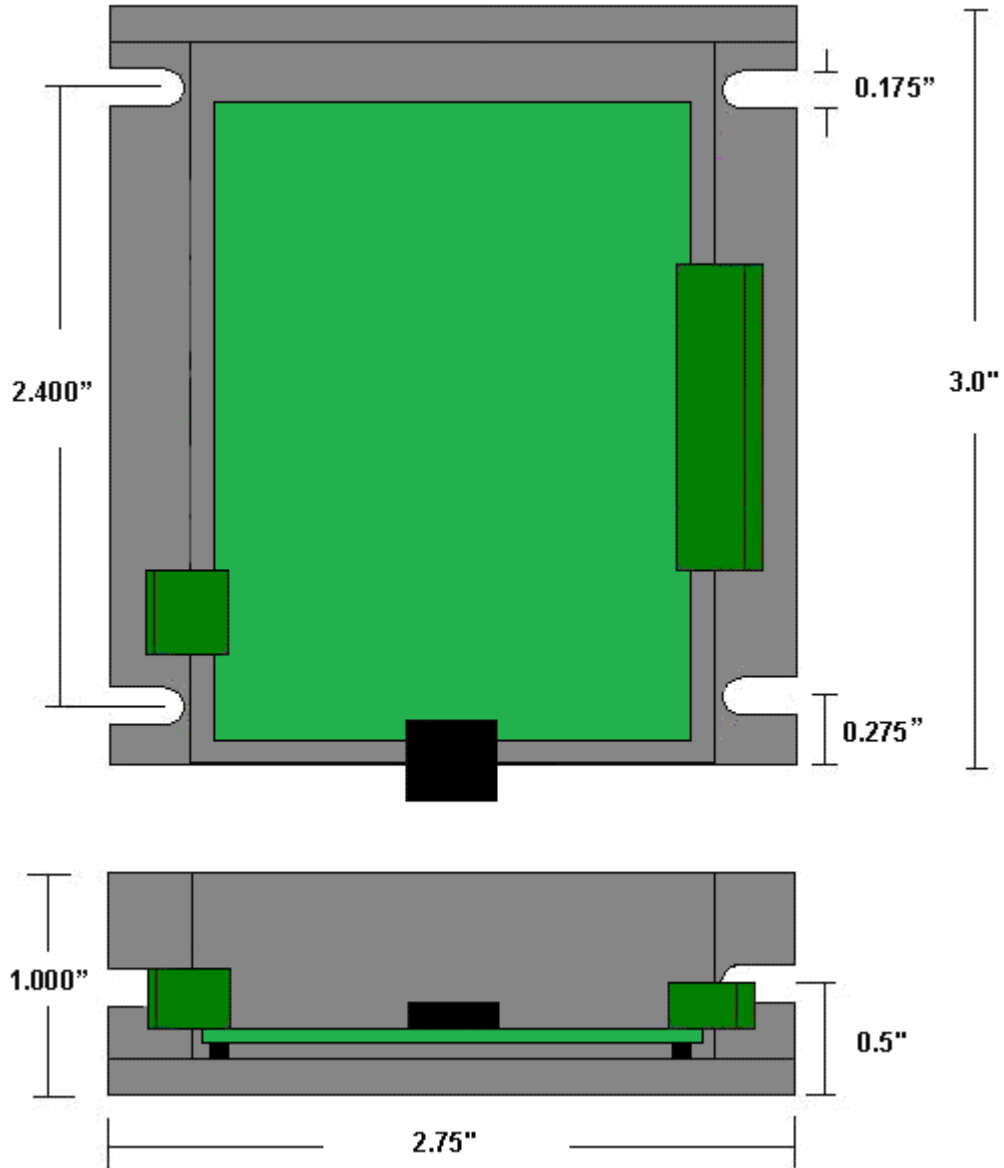


# JBD-J-SA

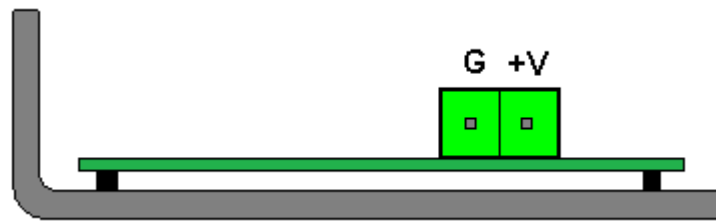
## Junction Board for DMX-J-SA



# 1. Dimensions



## 2. Connectors



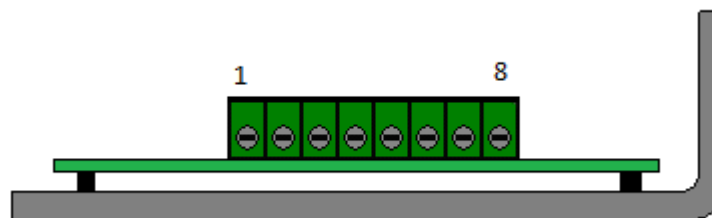
*2-Pin Connector (5.08mm)*

Pin #	In/Out	Name	Description
1	I	G	Ground
2	I	V+	Power Input +12 to +48 VDC

Table 2.1

Mating Connector Description: 2 pin 0.2" (5.08mm) connector  
Mating Connector Manufacturer: On-Shore  
Mating Connector Manufacturer Part: †EDZ950/2

† Other 5.08mm compatible connectors can be used.



*8-Pin Connector (3.81mm)*

Pin #	In/Out	Name	Description
1	O	DO2	Digital Output 1
2	O	DO1	Digital Output 2
3	X	NC	No Connection
4	I	DI2	Digital Input 2
5	I	DI1	Digital Input 1
6	I	HOME	Home Input
7	I	-LIM	Minus Limit Input
8	I	+LIM	Plus Limit Input

Table 2.2

Mating Connector Description: 8 pin 0.15" (3.81mm) connector  
 Mating Connector Manufacturer: On-Shore  
 Mating Connector Manufacturer Part: †EDZ1550/8

† Other 3.81 compatible connectors can be used.

### 10 pin Connector (2.0mm) †



Pin #	In/Out	Name	Description
1	I	-L	Minus Limit Input
2	I	+L	Plus Limit Input
3	I	DI1	Digital Input 1
4	I	H	Home Input
5	O	DO1	Digital Output 1
6	I	DI2	Digital Input 2
7	I	OPT	Opto-supply input (+12 to +24VDC)
8	O	DO2	Digital Output 2
9	I	GND	Ground
10	I	V+	Power Input +12 to +24VDC ‡

Table 4.1

Mating Connector Description: Female 10 pin 2mm dual row  
 Mating Connector Manufacturer: HIROSE  
 Mating Connector Manufacturer Part: DF11-10DS-2C (10 pin female connector)  
 DF11-2428SC (female socket pin)

† Maximum current that can be handled by the connector is 2 Amps peak current.

‡ For the V+ and GND lines, 24-gage wire with Teflon insulation is recommended. Check with wire manufacturer for the maximum current rating for the wire.