

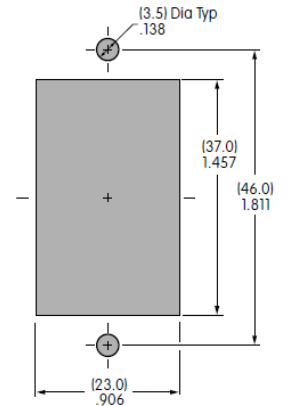
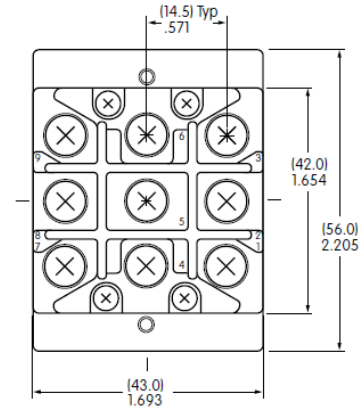
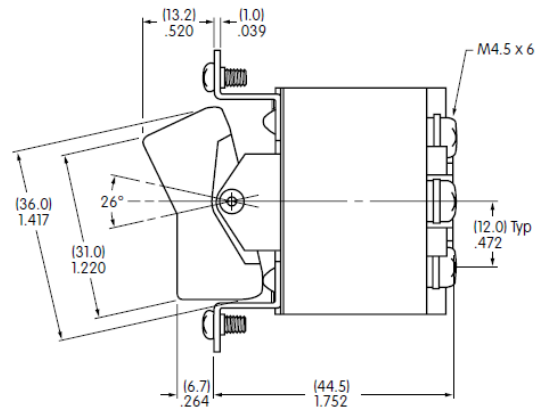
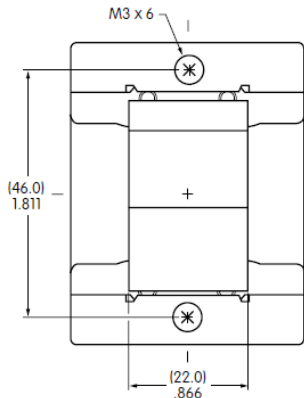


Input is from 4 (four) DC Power Supplies: +24VDC, -24VDC, +18VDC, and -18VDC. This sequencer prohibits the 18V supplies from being present prior to the 24V supplies. When the ON/OFF Switch is in the ON position, +24 and -24 are passed to the Output side, and the internal relay switches are closed so that +18 and -18 are passed to the Output side as well.



The relays are operated independently. The +24VDC controls the +18VDC and the -24VDC controls the -18VDC. Output is intended to go to two standard power strips: One +- 24VDC strip and one +-18VDC strip.

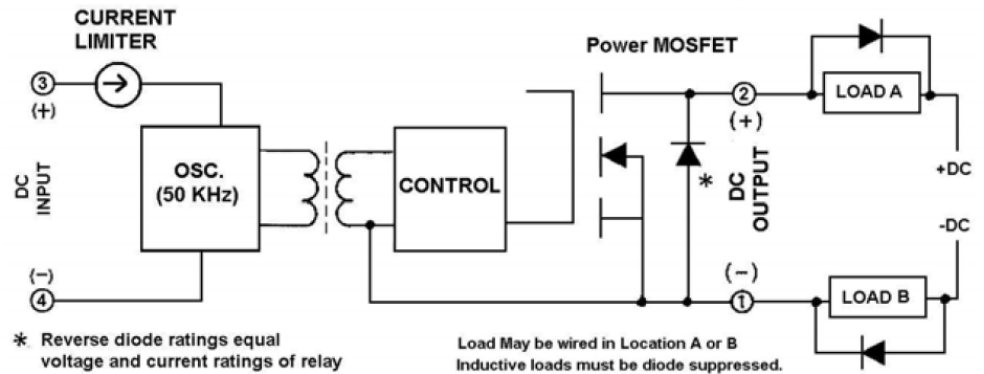
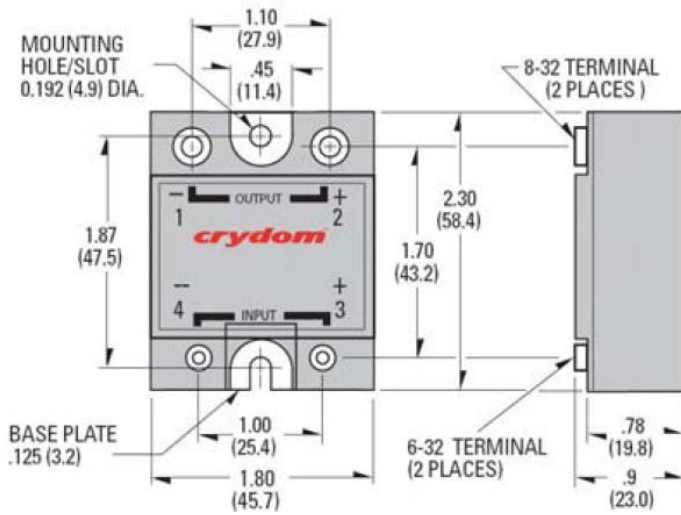
## SW-3831



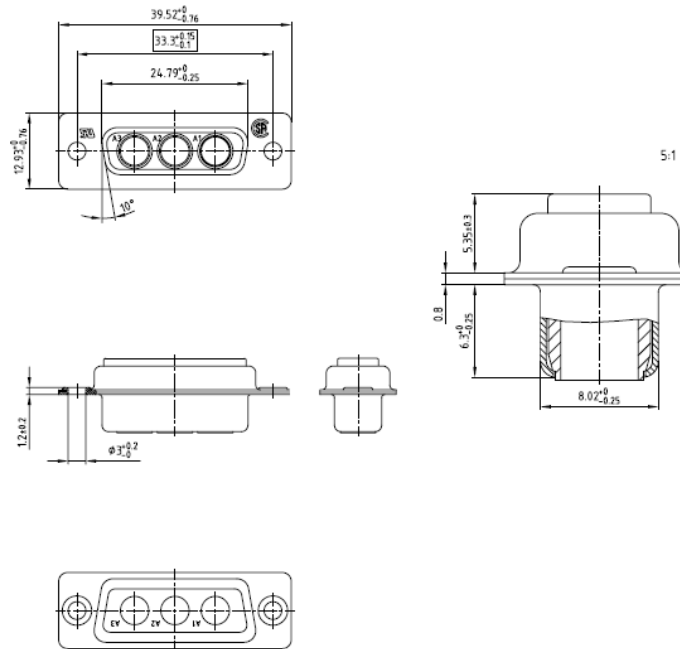
SW3831 & SW3831D do not have terminals 1, 4 & 7.

Maximum Effective Panel Thickness .177" (4.5mm)

## D06D100



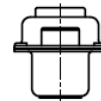
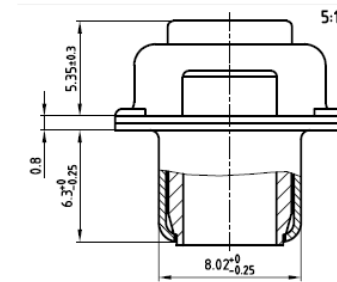
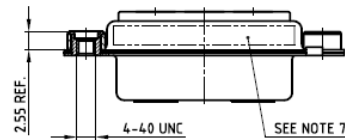
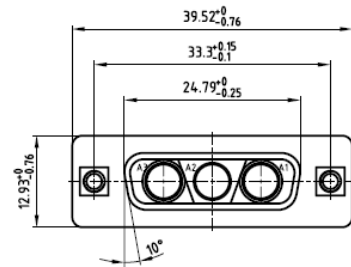
## 3003W3SXX99A30X



3003W3PXX99A30X

3003W3PXX99A30X are ordered directly from CONEC. It is unusual to have plugs that are panel mounted, but not unheard of. These boxes are intended to be insertable, and thus require these connectors.

## 303W3CSXX99A30X



303W3CSXX99A30X

303W3CPXX99A30X

303W3CPXX99A30X are ordered directly from CONEC. It is unusual to have plugs that are panel mounted, but not unheard of. These boxes are intended to be insertable, and thus require these connectors.

## MDVS44-ND (3341-1S)

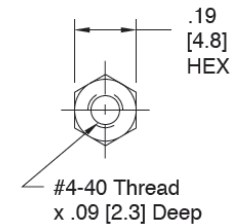
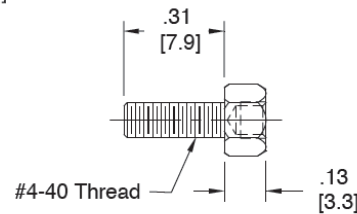
x 4 (Kit)



**3M Part Number**  
**3341-1S**

Kit Contents:  
2 - Jack Sockets  
8 - Spacers .031 [0.79] Thick  
2 - Lock Washers  
2 - 4-40 Nuts

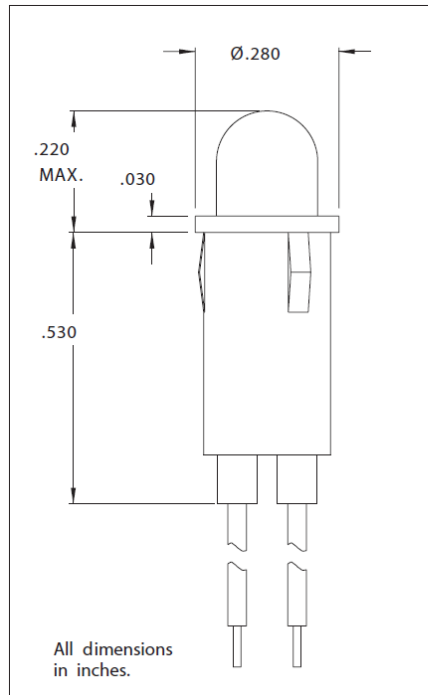
Material: Steel  
Finish: Zinc with Clear Chromate  
Screw / Socket Thread Size: #4-40 / #4-40  
Recommended Max. Torque: 7.0 inch-lbf [0.8 N·m]  
Quantity: See Kit Contents





## 5100-H5

x 8



### Features

- Super-Brite 30mcd
- Low current
- Built-in resistor chip operates directly off 5 volt or 12 volt supply without external resistor.

Mounting: Will snap-fit in  $\text{Ø}.249/.254$  hole in panels  $.031/.062$  thick.

Wire leads: No. 24 AWG, 6" insulated, bonded strands, stripped  $1/2$ "

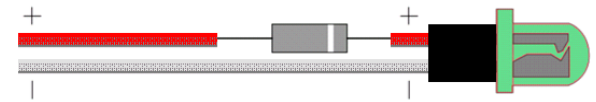
Anode(+): Red Lead

Housing: Black Nylon

Alternate LEDs are also available in this package as standard variations.

1N5314

x 8



- CURRENT REGULATOR DIODE, 600mW, 2.9V, DO-35
- Peak Operating Voltage  $I_p$ :
- Power Dissipation  $P_d$ :
- Regulated Current:
- Dynamic Impedance:
- Operating Temperature Range:
- Diode Case Style:

25V  
 600mW  
 4.28mA  
 0.238ohm  
 -55°C to +200°C  
 DO-35

[2EZ18D5MSCT-ND](#)

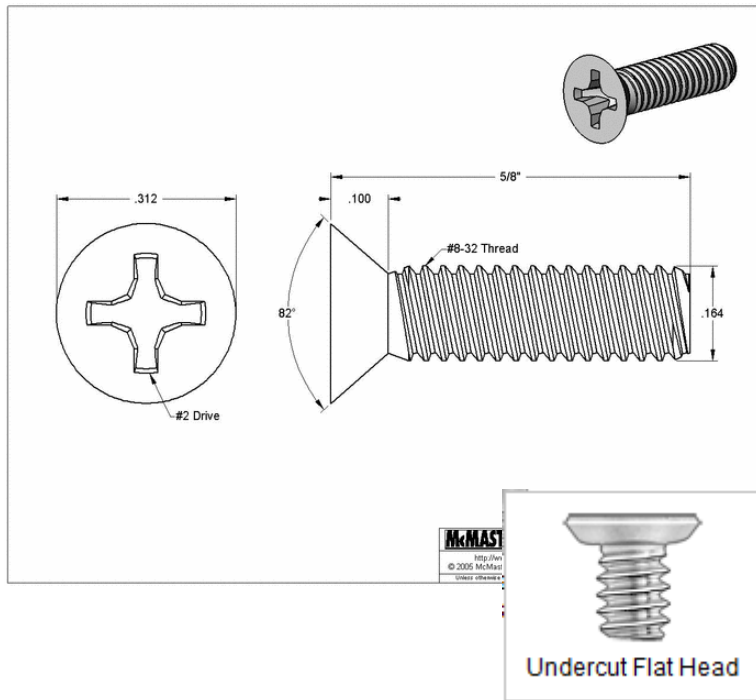
x 2



DIODE ZENER 18V 2W DO-41

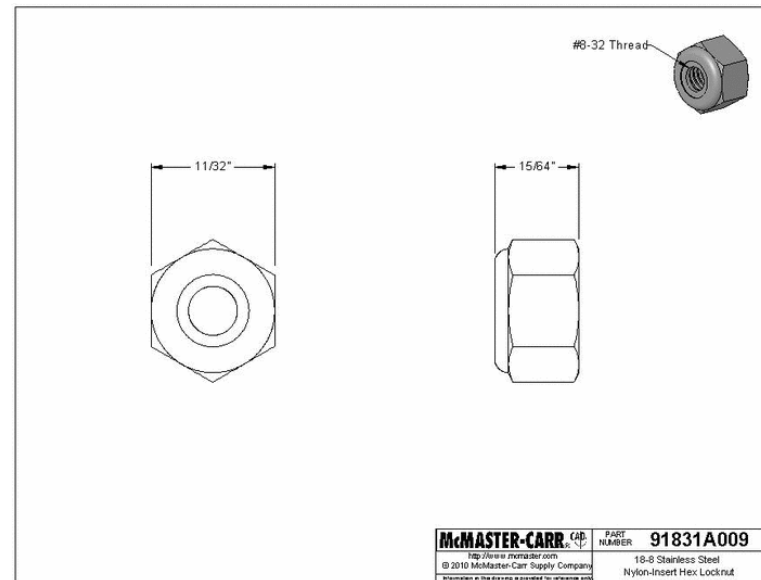
91099A266

x 4



91831A009

x 4



[69145K69](#)

Crimp-on Spade Terminal Block, Vinyl  
Insulated, 22-18 AWG, #10 Stud

x 4



Insulated

[69145K78](#)

Crimp-on Spade Terminal Block, Vinyl  
Insulated, 12-10 AWG, #10 Stud

x 8



Insulated

7108K6

x 2



## Twist-On Wire Connectors

### Standard



Standard connectors have a cone-shaped inner coil to secure wires and a plastic outer shell to provide insulation. Rated to 221° F.

┌ No. of Wires (AWG Wire Size) ─┐

Minimum	Maximum	Color	Pkg. Qty.		Per Pkg.
1(#20) & 1(#22)	2(#16)	Gray	14	7108K31*	\$3.17
1(#20) & 1(#22)	2(#16)	Gray	100	7108K51*	6.83
3(#22)	3(#16)	Blue	14	7108K32*	3.17
3(#22)	3(#16)	Blue	100	7108K81*	7.71
3(#20)	4(#16) & 1(#20)	Orange	12	7108K33	3.17
3(#20)	4(#16) & 1(#20)	Orange	100	7108K2	8.92
6(#22)	1(#10) & 1(#12)	Yellow	9	7108K34	3.17
6(#22)	1(#10) & 1(#12)	Yellow	100	7108K6	10.22
2(#14)	2(#10) & 2(#12)	Red	6	7108K35	3.17
2(#14)	2(#10) & 2(#12)	Red	100	7108K7	15.25

\* Rated to 300 volts.

[7227K12](#)

x 1

### Butt Splices



(B & C) Vinyl  
& Nylon  
Insulated

Crimp-on butt splices provide a compact and reliable way to connect two wires. Splices are made of tin-plated copper. UL listed and CSA certified, unless noted.

**Insulated** splices provide electrical isolation. Rated to 600 volts and 220° F, unless noted. *Nylon-insulated* splices are more durable than vinyl. *Nylon-insulated double-crimp* splices have a barrel that allows two crimps to provide an extra-tight grip in high-vibration applications. *Heat-shrink insulated* splices are made of nylon-like polymer and have adhesive-lined insulation that shrinks when heated to form a seal against moisture and corrosion. Minimum shrink temperature is 194° F. *Nylon-insulated moisture-resistant* splices are filled with moisture-resistant grease.



For Wire Size (AWG)	O'all Lg.	Insulation Color	Pkg. Qty.		Per Pkg.
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**(B) Vinyl Insulated**

22-18	1.02"	Red	100	<b>7227K12</b>	\$11.46
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[Catalog Page](#) | [Bookmark](#)

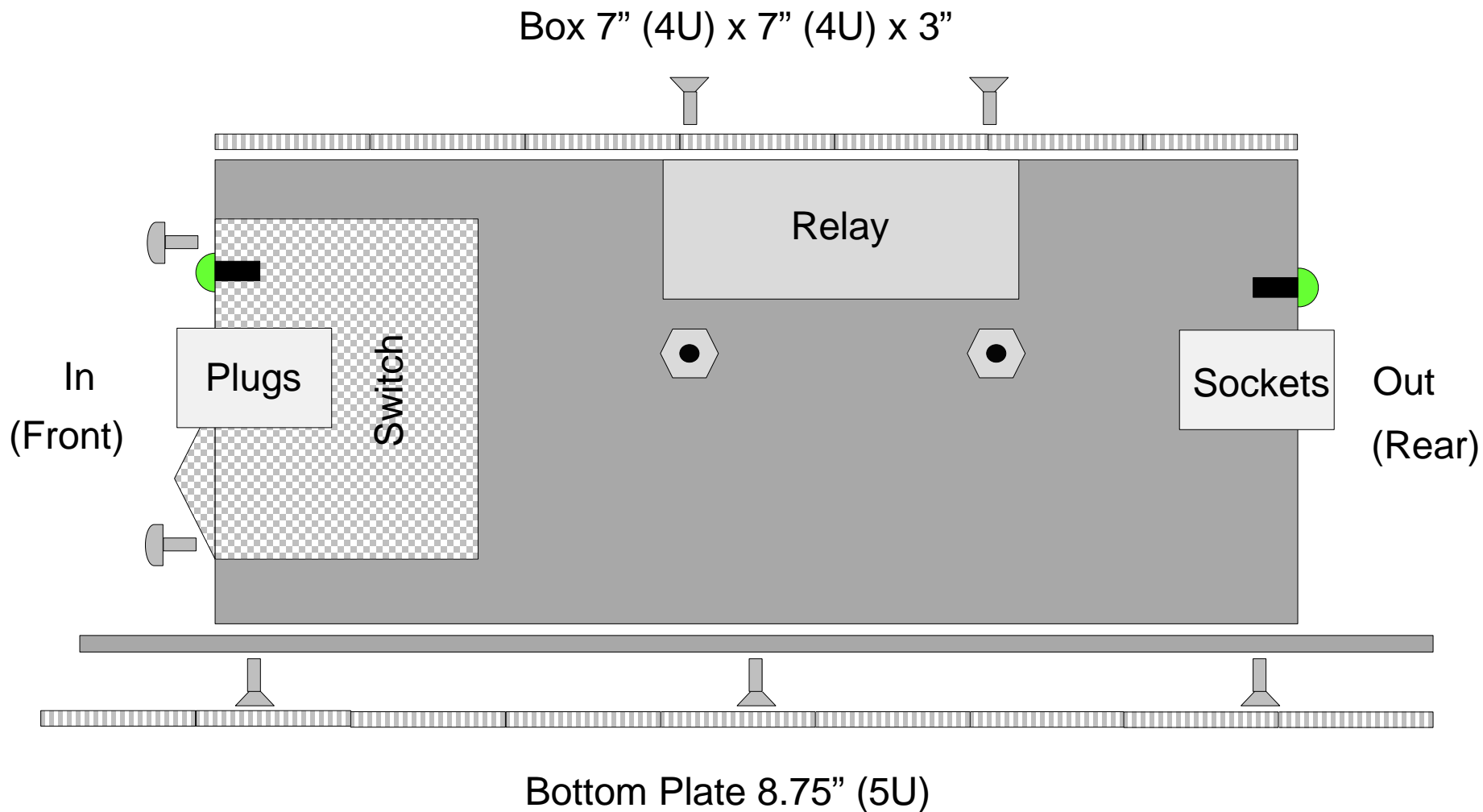
Butt Splice Vinyl Insulated, 22-18 AWG

Packs of 100

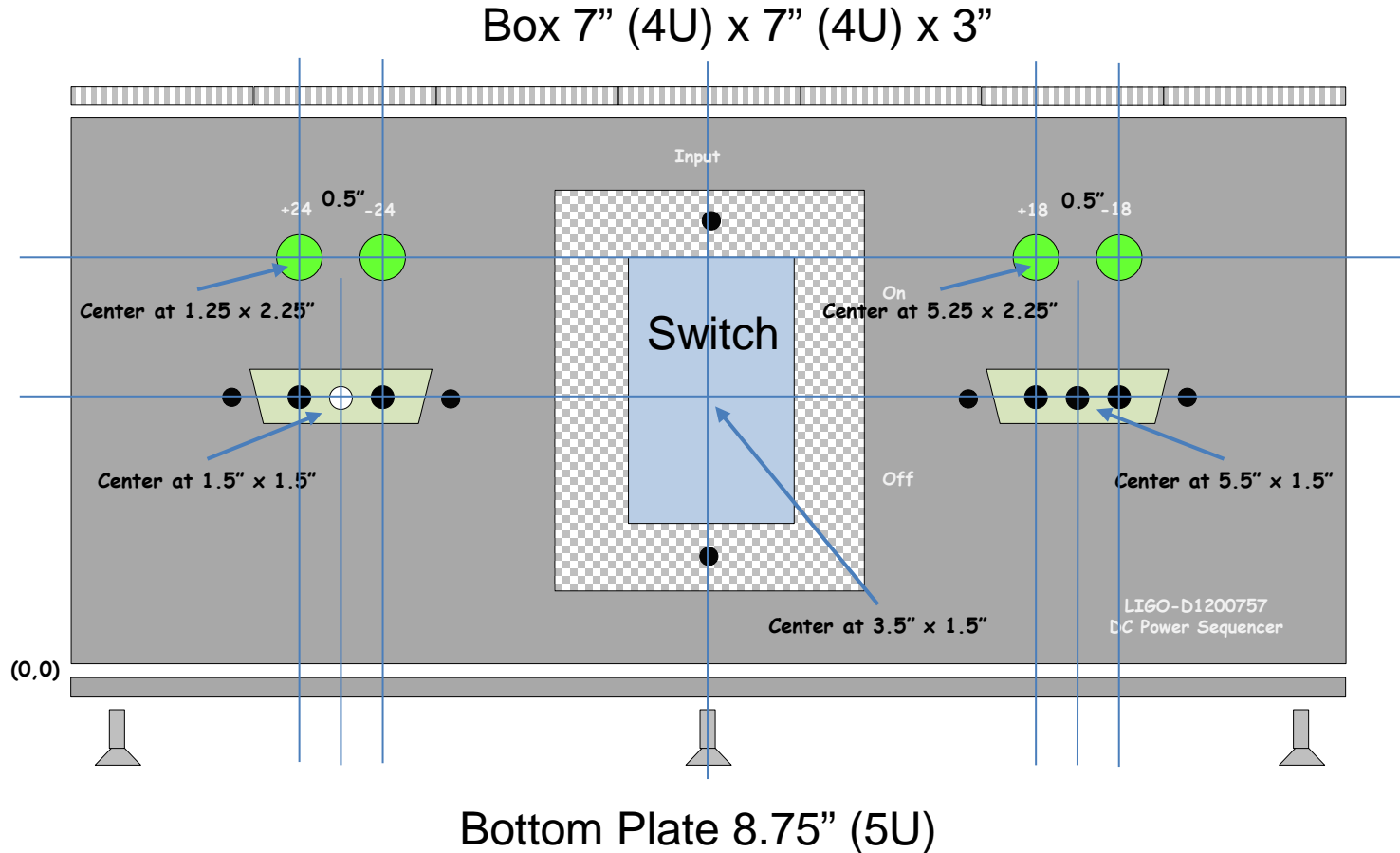
In stock

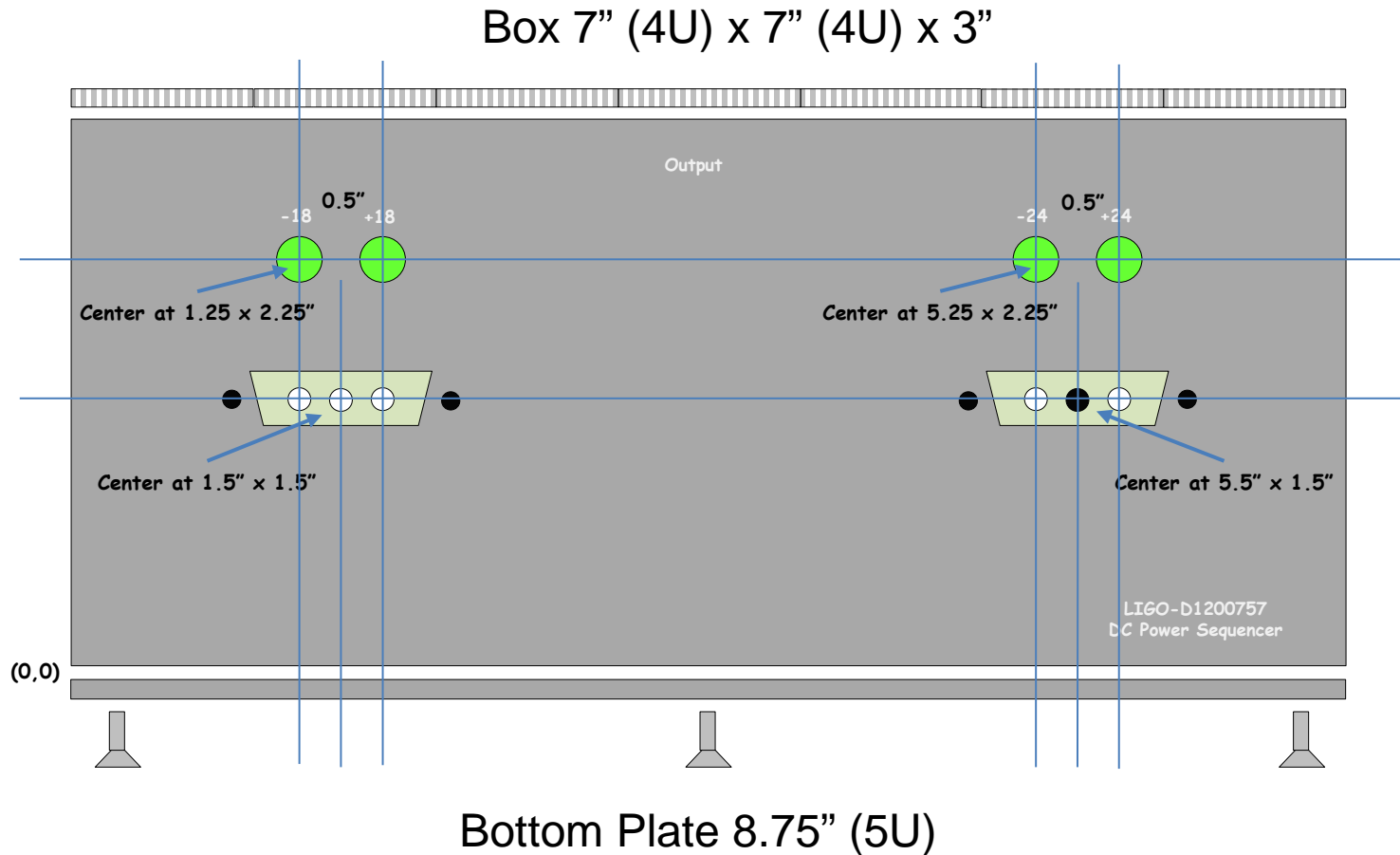


# Sequencer - Layout - Side View



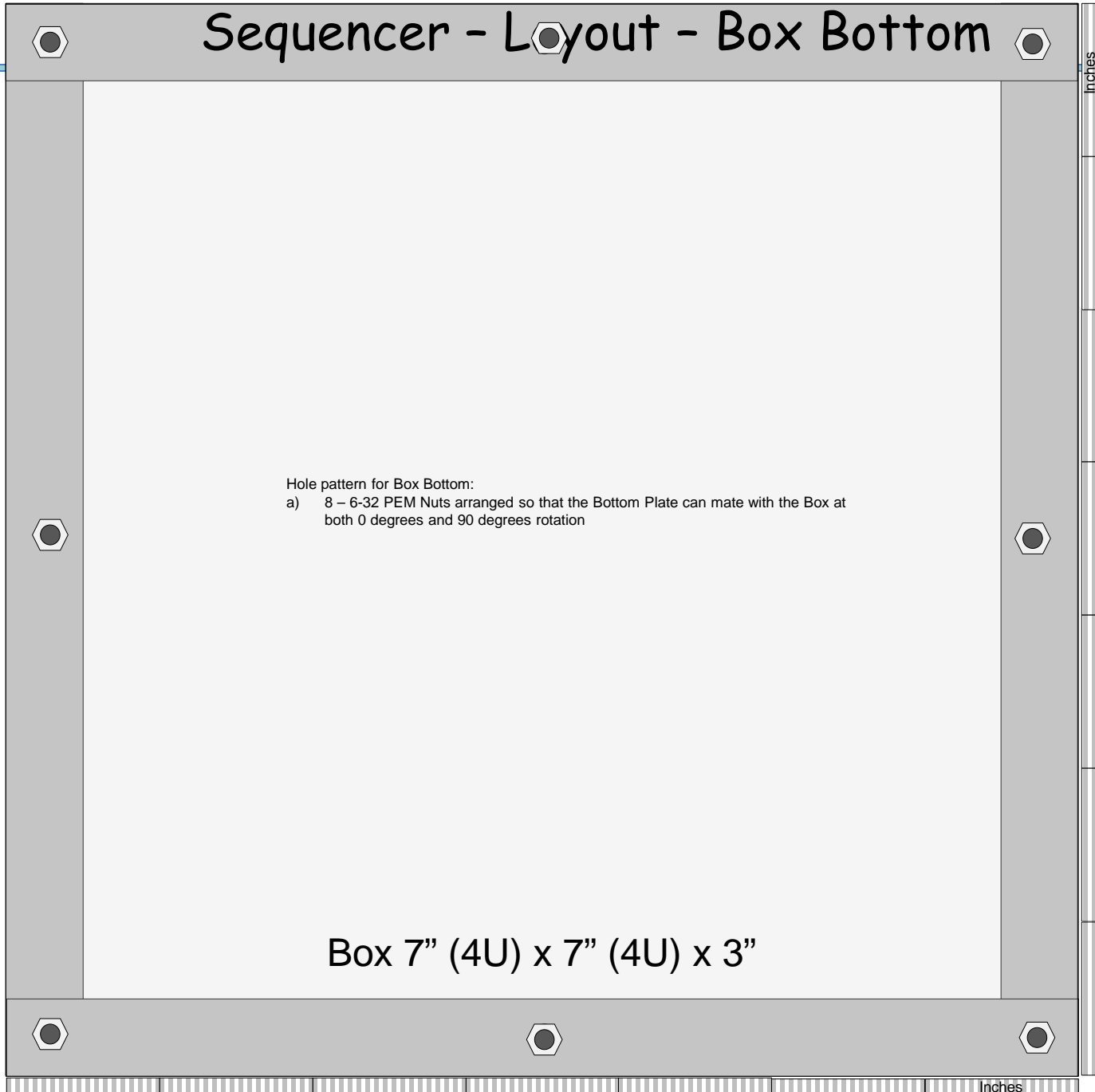
# Sequencer - Layout - 'In' View (Front)





# Sequencer - Layout - Box Bottom

In



Hole pattern for Box Bottom:

- a) 8 - 6-32 PEM Nuts arranged so that the Bottom Plate can mate with the Box at both 0 degrees and 90 degrees rotation

Box 7" (4U) x 7" (4U) x 3"

Rack Units

Out

Hole pattern for Box Bottom:

- a) 4 – holes as per diagram, – countersunk for 8/32 Phillips flathead screws

In

Out

1.87" Center to Center

Relay 1

Center at 5.0" x 5.0"

Relay 2

Center at 5.0" x 2.0"

Box 7" (4U) x 7" (4U) x 3"

Inches

Inches

(0,0)

# Sequencer - Layout - Bottom Plate

Bottom Plate 8.75" (5U)

Hole pattern for Bottom Plate:

- a) 8 -  $\frac{1}{4}$ " holes centered  $\frac{1}{4}$ " from edge and centered at the center of every 1U (Rack Unit)
- b) 8 - holes arranged so that the Bottom Plate can mate with the Box at both 0 degrees and 90 degrees rotation - countersunk for 6/32 Phillips flathead screws

In

Out

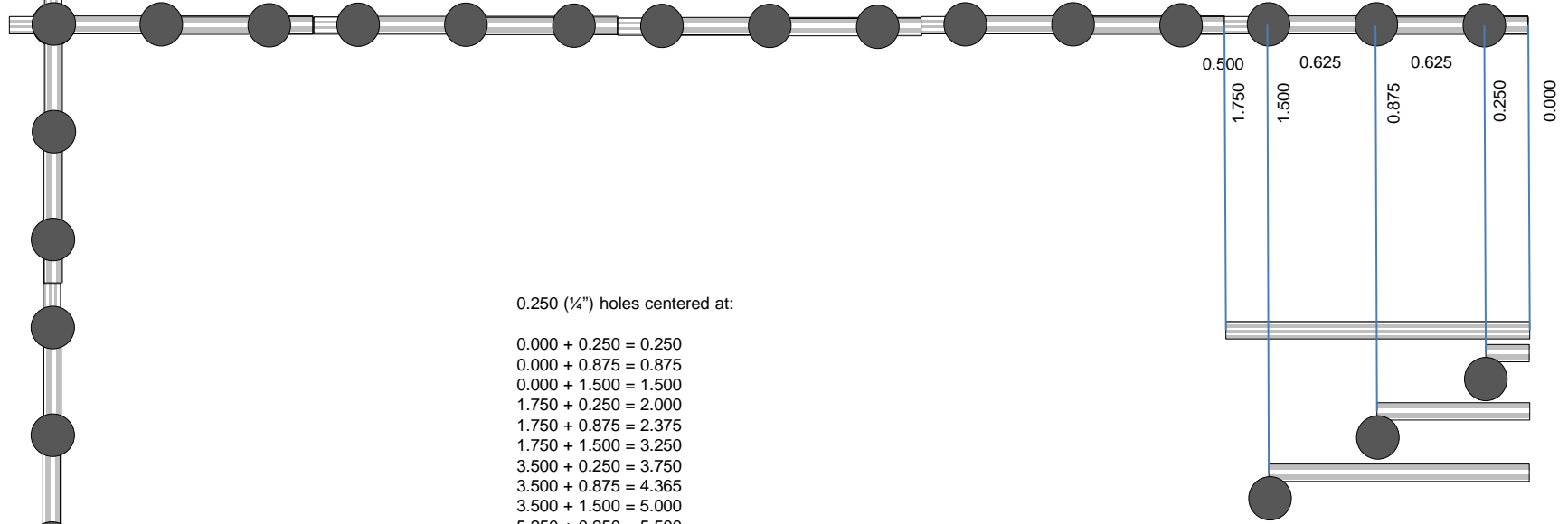
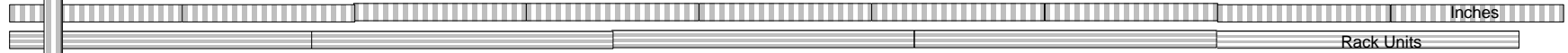
Box 7" (4U) x 7" (4U) x 3"

Inches

Rack Units

Inches

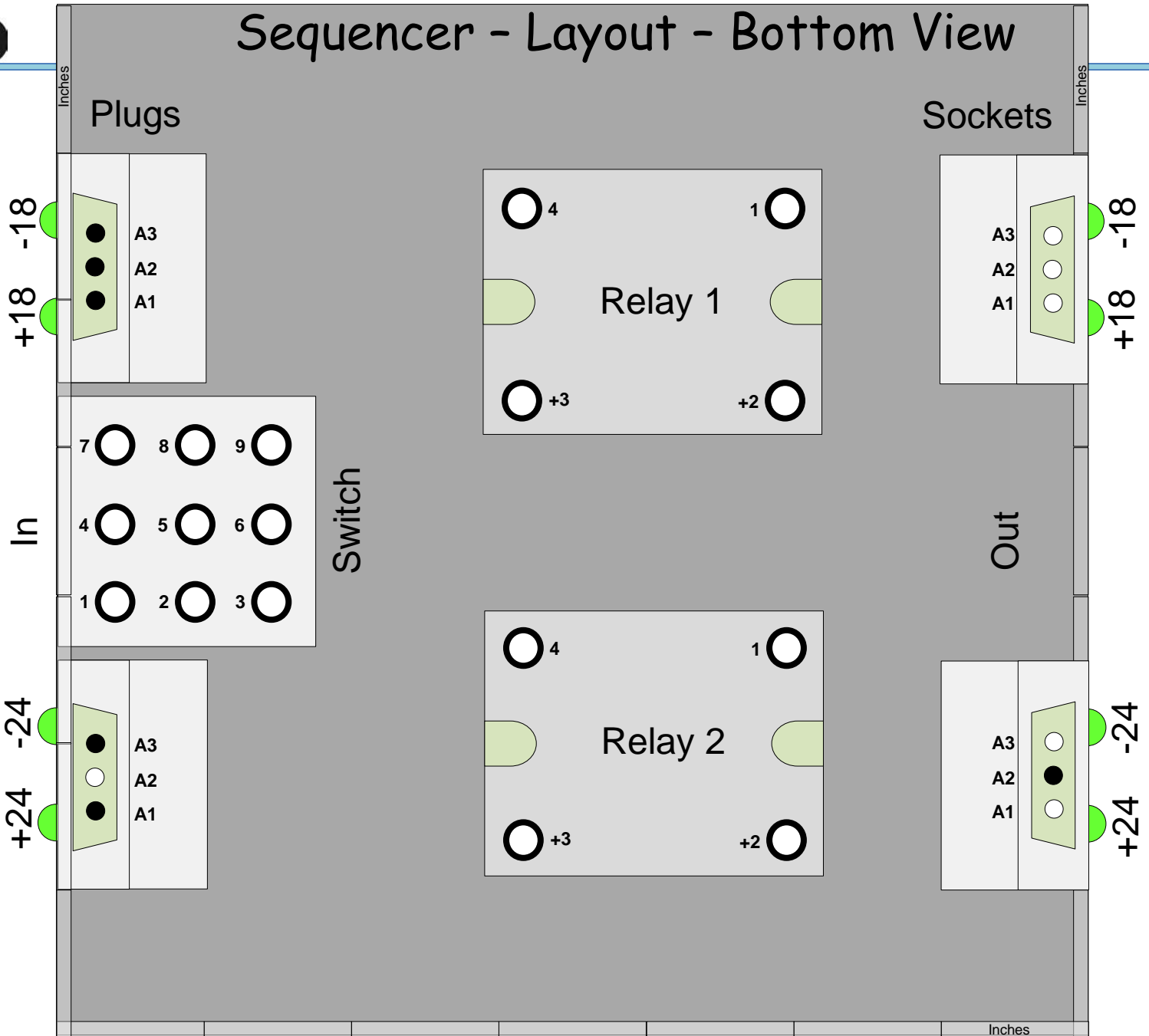
## Hole Pattern for Rack Units



0.250 (1/4") holes centered at:

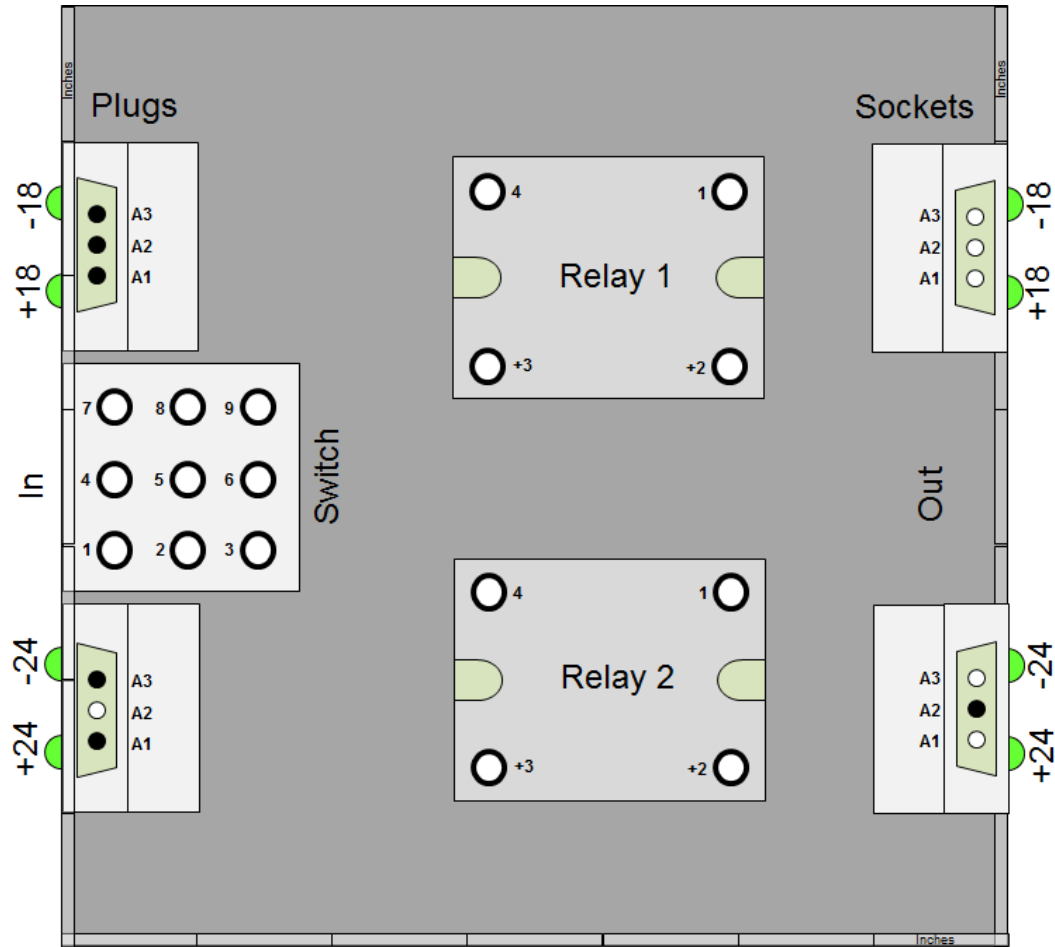
- $0.000 + 0.250 = 0.250$
- $0.000 + 0.875 = 0.875$
- $0.000 + 1.500 = 1.500$
- $1.750 + 0.250 = 2.000$
- $1.750 + 0.875 = 2.375$
- $1.750 + 1.500 = 3.250$
- $3.500 + 0.250 = 3.750$
- $3.500 + 0.875 = 4.365$
- $3.500 + 1.500 = 5.000$
- $5.250 + 0.250 = 5.500$
- $5.250 + 0.875 = 6.125$
- $5.250 + 1.500 = 6.750$
- $7.000 + 0.250 = 7.250$
- $7.000 + 0.875 = 7.875$
- $7.000 + 1.500 = 8.500$
- $8.750 + 0.250 = 9.000$
- $8.750 + 0.875 = 9.375$
- $8.750 + 1.500 = 10.250$

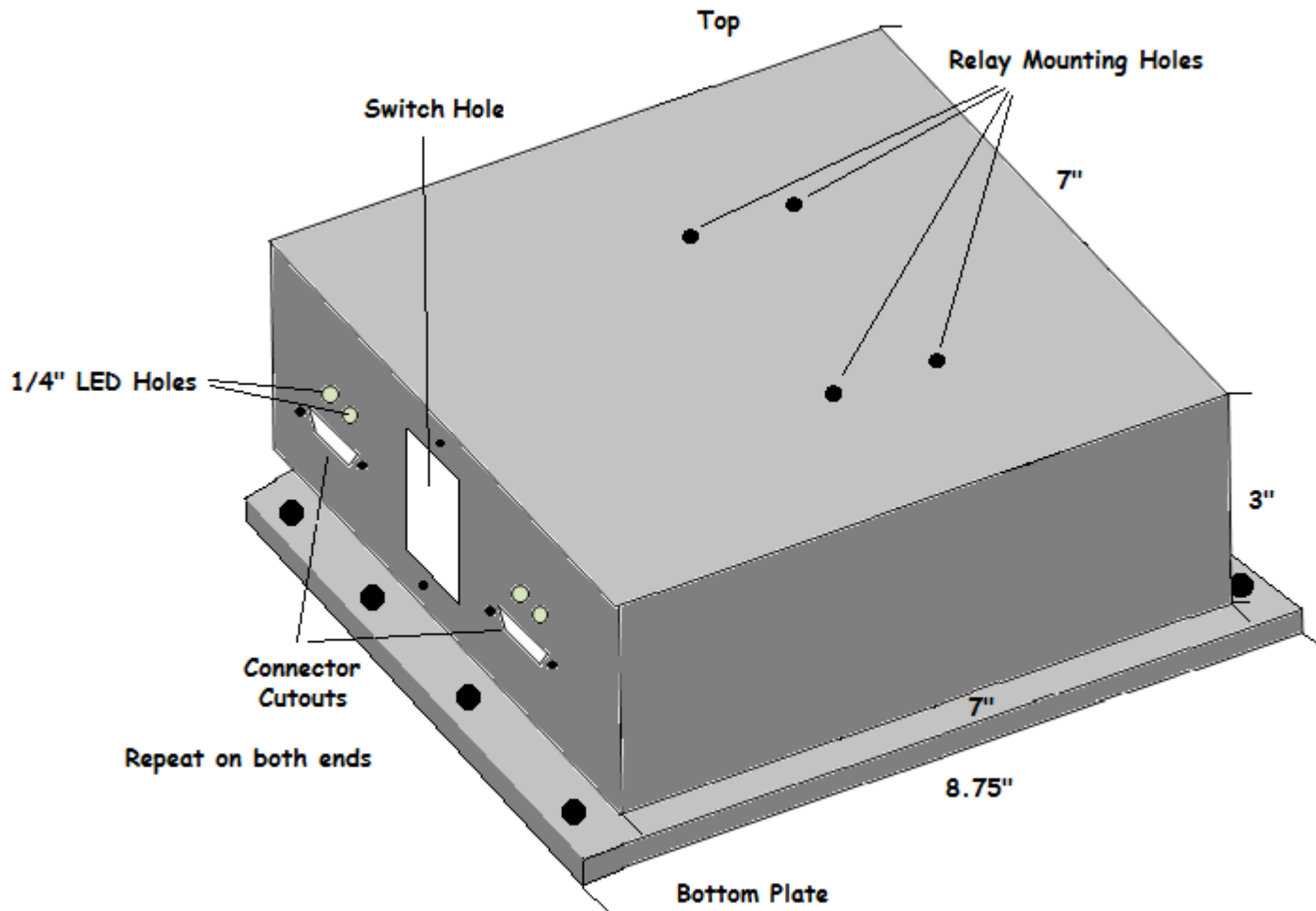
## Sequencer - Layout - Bottom View

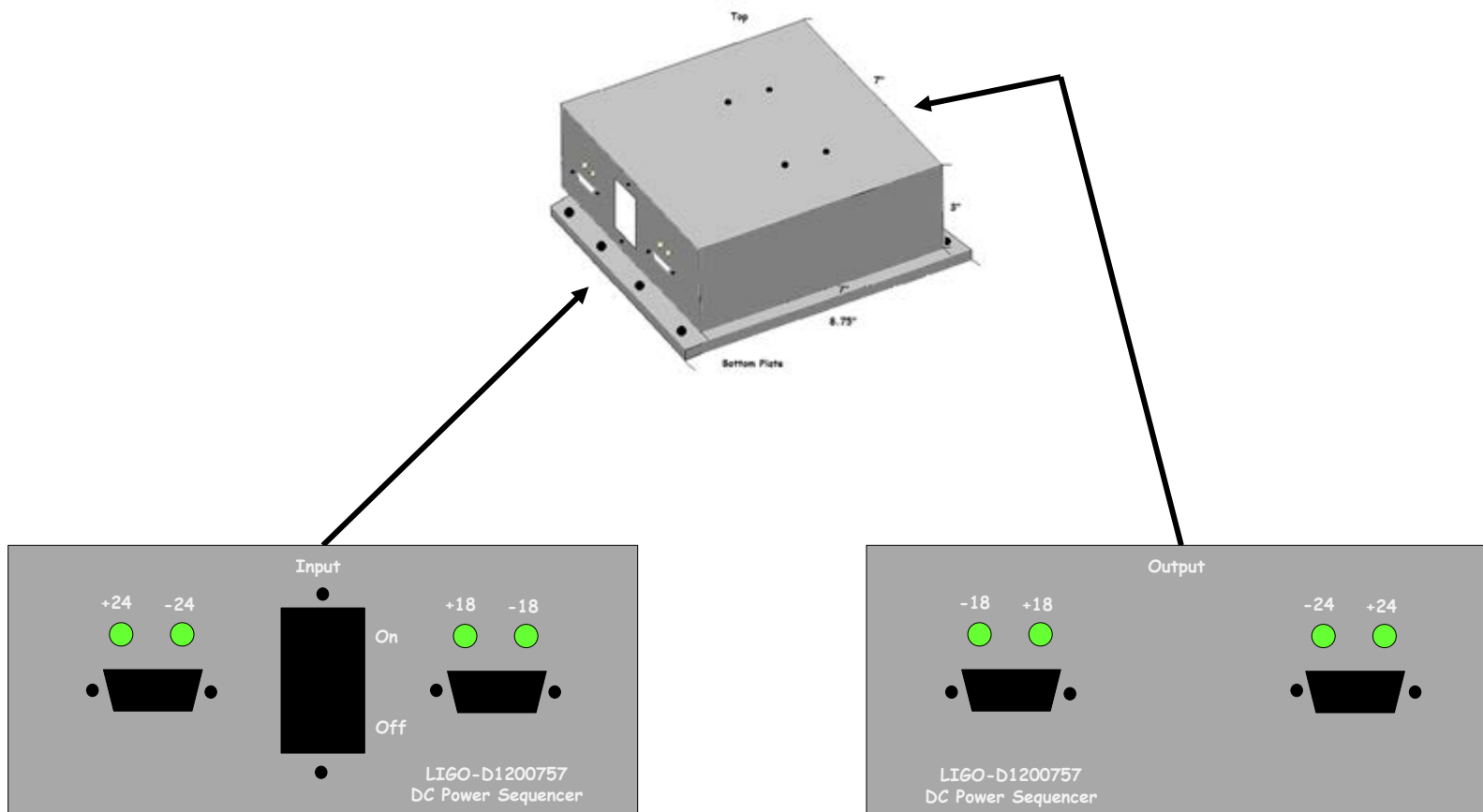




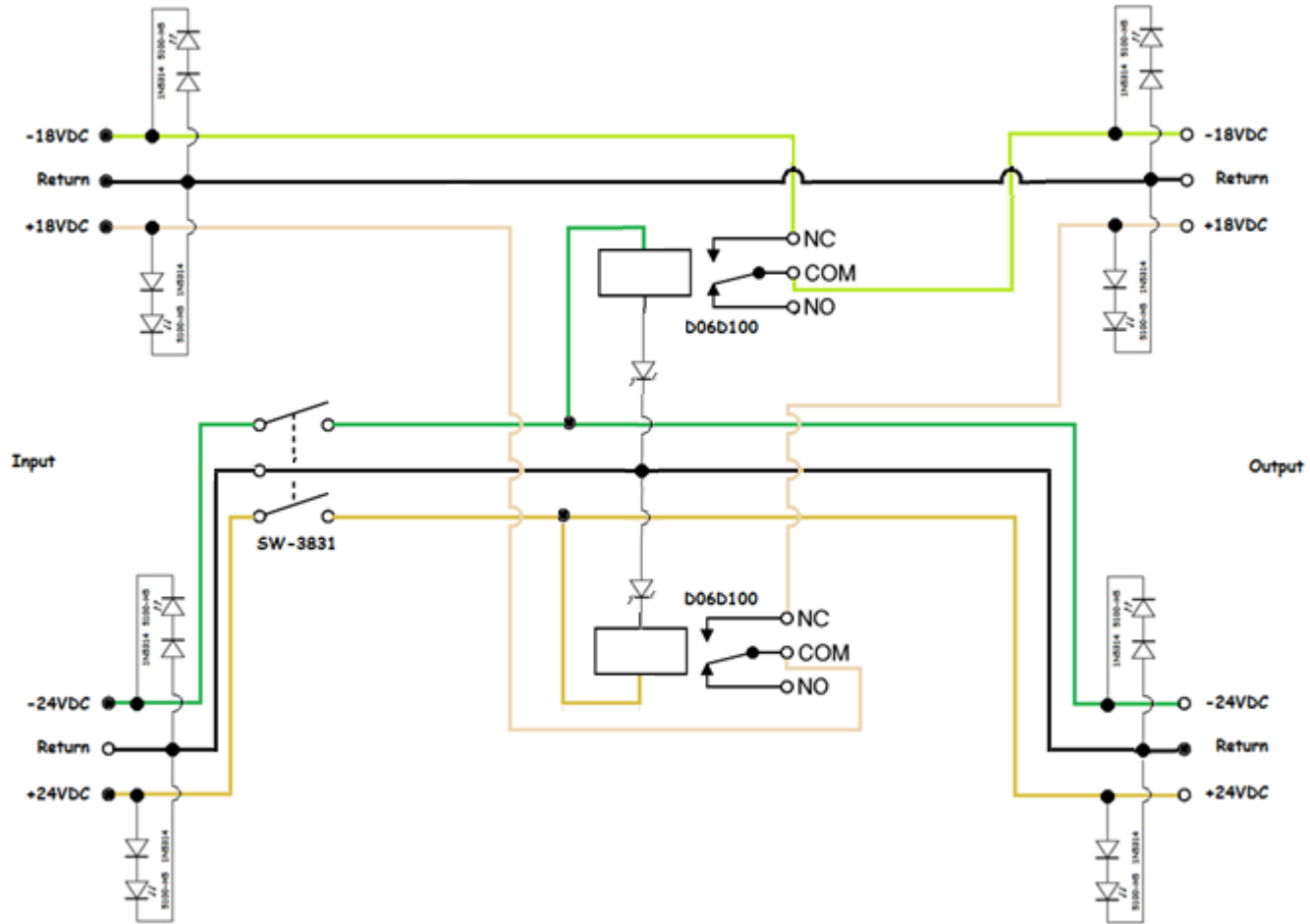
# Sequencer - Layout - Bottom View - bmp



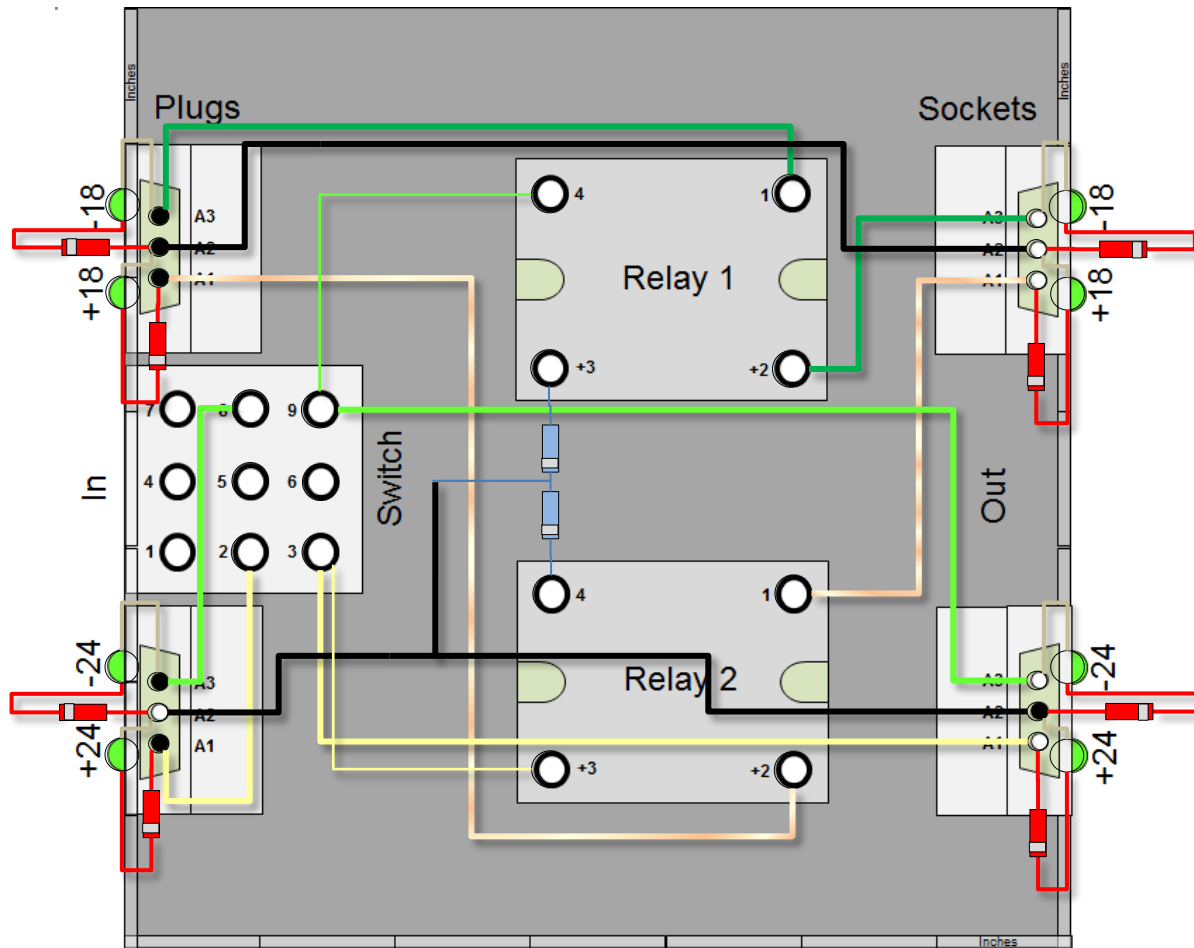




Silk screen labels. Please note carefully the LED labels.



## Sequencer - Wiring



 2EZ18D5

 1N5314

