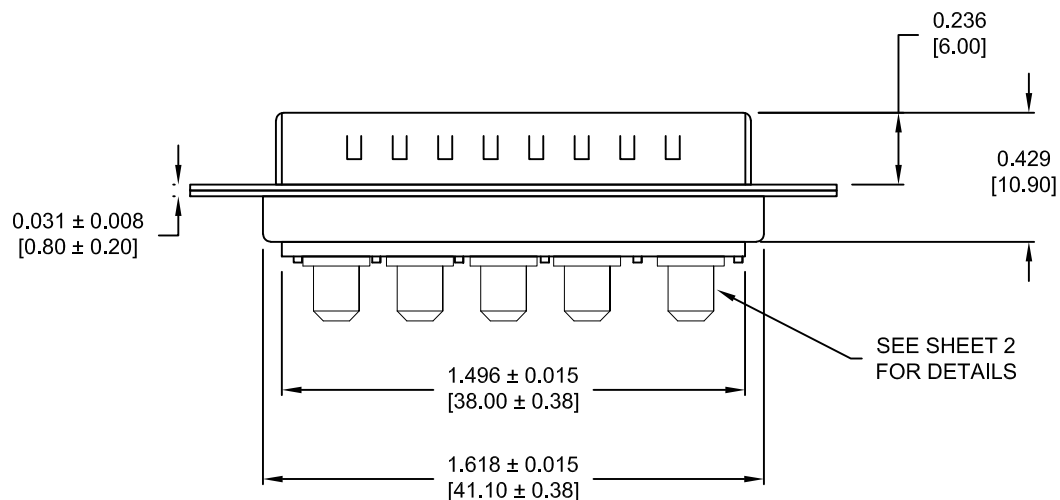
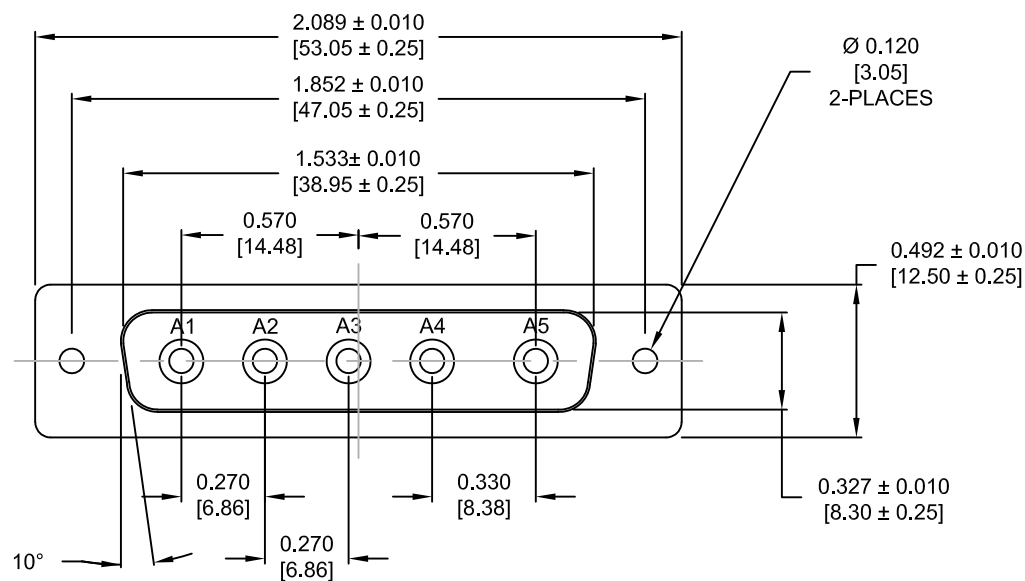


DESCRIPTION: POWER - VERTICAL BOARD - MALE - MACHINED



## SPECIFICATIONS:

### ELECTRICAL:

INSULATOR RESISTANCE:	5 G OHMS Min.
DIELECTRIC WITHSTANDING:	1,000VAC r.m.s.
OPERATING TEMPERATURE:	-55° C ~ +125° C
POWER CONTACT RESISTANCE:	1.0 mOHMS Max.
POWER PINS:	40 AMPS

### MECHANICAL:

CONTACT INSERTION FORCE:	4.5 Kg Max.
CONTACT SEPARATOR FORCE:	0.3Kg Min.

### MATERIALS:

CONTACTS:	COPPER ALLOY
INSULATOR:	PBT UL94V-0 RATED, BLK 230°C PROCESS TEMP.
SHELL:	STEEL
SEAL:	F08 FLEXIBLE ADHESIVE

### FINISH:

SHELL:	NICKEL
CONTACTS:	FULL GOLD FLASH

# 681S5W5103LYYY

0 = 40 AMP

0 = NO HARDWARE

1 = 0.098" CN PCB SIDE

2 = 0.236" CN PCB SIDE

3 = 0.236" CN MATING SIDE

4 = 0.237" BOARDLOCK PCB SIDE

5 = 0.224" BOARDLOCK PCB SIDE

1 = GOLD FLASH

## MEETS IP67 STANDARDS

(SEE PAGE 2 FOR SEALING DETAILS)

## RoHS COMPLIANT



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DRAWN:

P. JENKINS

DATE:

09/13/2011

UNITS = INCHES [MM]

DO NOT SCALE FROM DRAWING

# NorComp

SCALE:

NTS

SHEET

1

OF

3

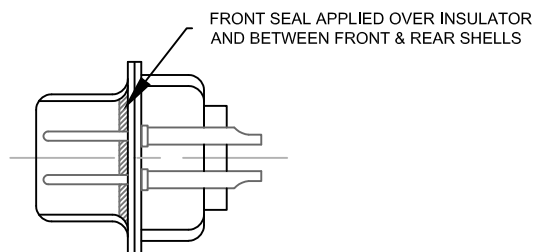
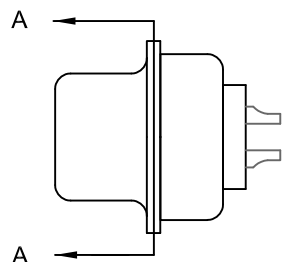
REV

1

DWG NO.

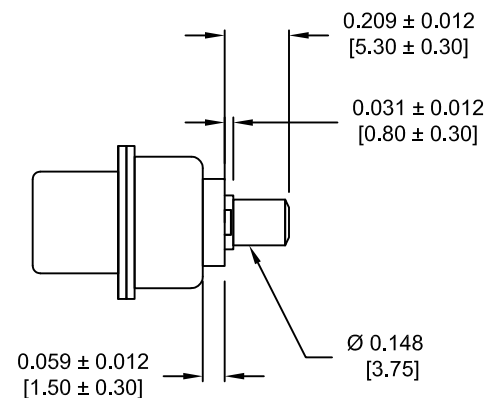
681S5W5103LYYY

DESCRIPTION: 681 SERIES CONTACTS

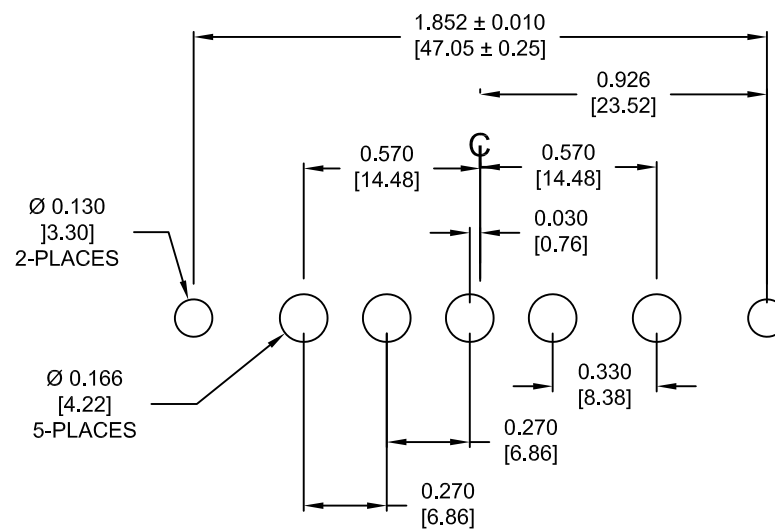


DETAIL A-A  
SHOWN FOR REFERENCE ONLY

NOTE: POWER CONTACTS COME  
PRE-LOADED INTO INSULATORS



POWER CONTACTS



RECOMMENDED PCB LAYOUT  
TOLERANCE  $\pm 0.002$  [0.05]

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SHEET 2 OF 3

REV 1

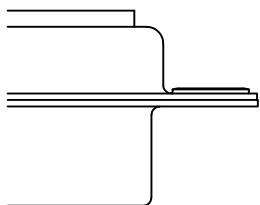
DWG NO. 681S5W5103LYYY

DESCRIPTION: CLINCH NUT HARDWARE

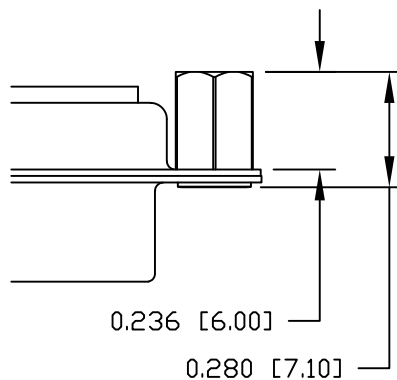
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:  
ALL DIMENSIONS ARE  $\pm 0.010$

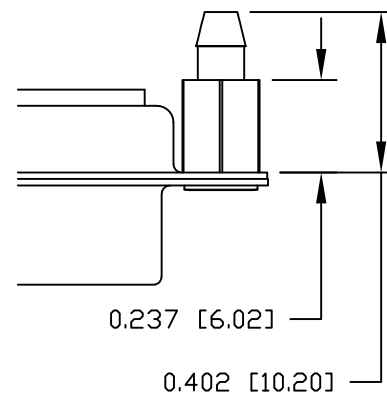
0 ..... NO HARDWARE



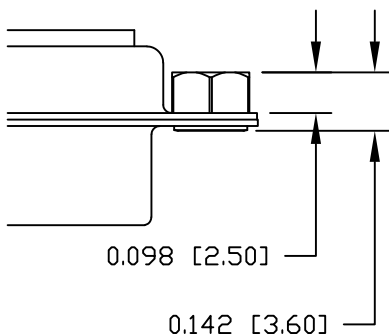
2 ..... 0.236" PCB SIDE



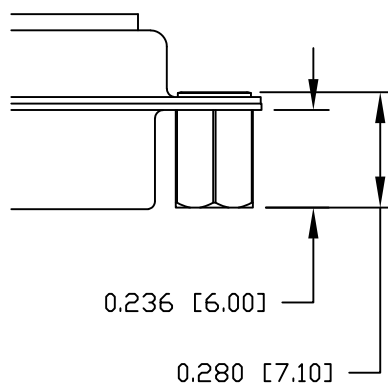
4 ..... 0.237" PCB SIDE



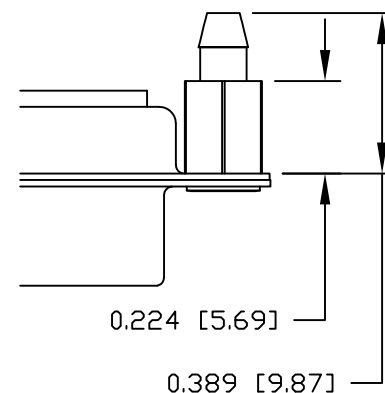
1 ..... 0.098" PCB SIDE



3 ..... 0.236" MATING SIDE



5 ..... 0.224" PCB SIDE



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3

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1

DWG NO.

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