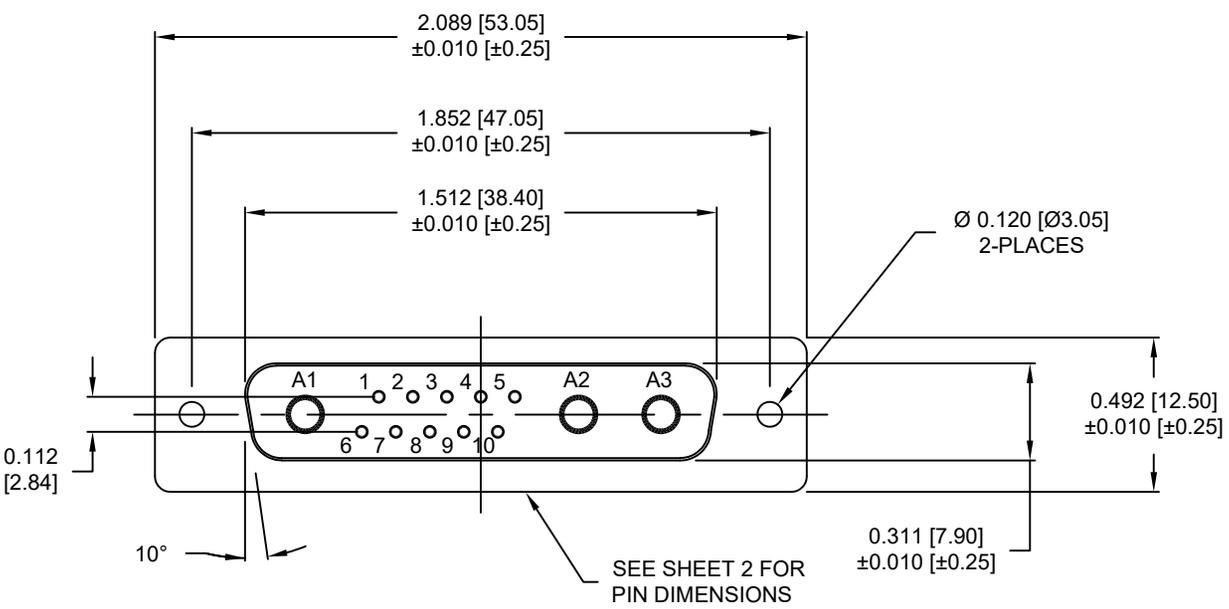
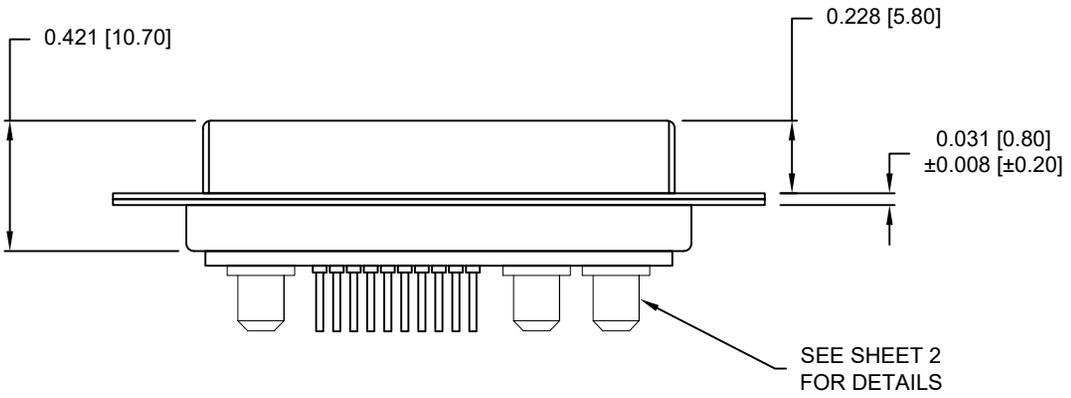


DESCRIPTION: POWER / SIGNAL - VERTICAL BOARD - FEMALE



SEE SHEET 2 FOR PIN DIMENSIONS



SEE SHEET 2 FOR DETAILS

**SPECIFICATIONS:**

<b>ELECTRICAL:</b>	
INSULATION RESISTANCE:	5 GΩ MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VAC FOR 1 MIN
WORKING VOLTAGE:	250V
OPERATING TEMPERATURE:	-55°C TO +125°C
POWER CONTACT RESISTANCE:	2.0 mΩ MAX.
SIGNAL CONTACT RESISTANCE:	10 mΩ MAX.
POWER PINS:	40 AMPS
SIGNAL PINS:	5 AMPS
<b>MECHANICAL:</b>	
CONTACT INSERTION FORCE:	4.5 Kg MAX.
CONTACT SEPARATION FORCE:	0.3 Kg MIN.
<b>MATERIALS:</b>	
CONTACTS:	COPPER ALLOY, GOLD FLASH
INSULATOR:	PBT UL94V-0 RATED 230°C PROCESS TEMP.
SEAL:	F04 FLEXIBLE ADHESIVE
SHELL:	NICKEL PLATED STEEL
HARDWARE:	NICKEL PLATED BRASS

**681S13W3203LYYY**

- 0 = 40 AMP
- 0 = NO HARDWARE
- 4 = 0.237" BOARDLOCK PCB SIDE
- 1 = GOLD FLASH

**MEETS IP67 STANDARDS**  
(SEE PAGE 2 FOR SEALING DETAILS)

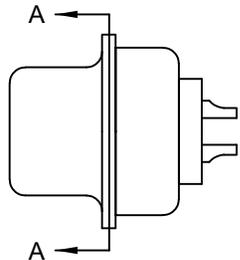
**RoHS COMPLIANT**

UNITS = INCHES [MM] **DO NOT SCALE FROM DRAWING**

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		DATE: <b>09/13/2011</b>

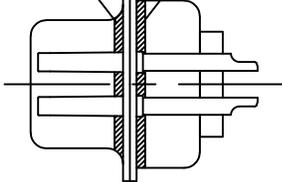
<b>NorComp</b>	SCALE: NTS	SHEET 1	OF 4	REV 3
	DWG NO. <b>681S13W3203LYYY</b>			

NOTE: SIGNAL AND POWER CONTACTS  
COME PRE-LOADED INTO INSULATORS

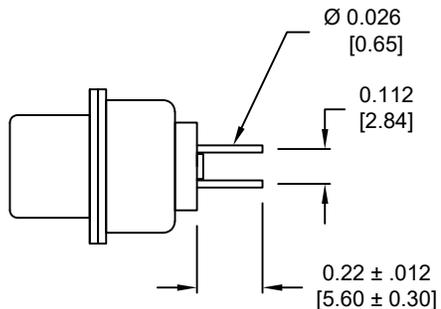


FRONT SEAL APPLIED BETWEEN FRONT INSULATOR AND FRONT METAL SHELL

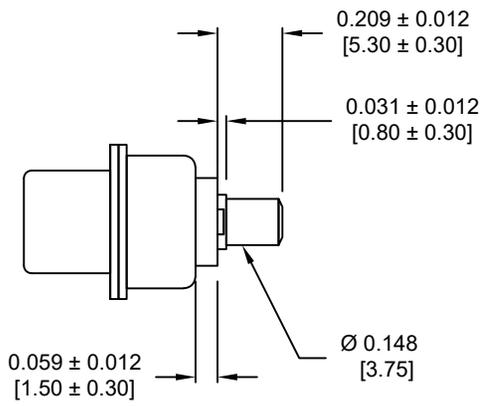
MIDDLE SEAL APPLIED BETWEEN FRONT INSULATOR AND BACK INSULATOR



DETAIL A-A  
SHOWN FOR REFERENCE ONLY



SIGNAL CONTACTS



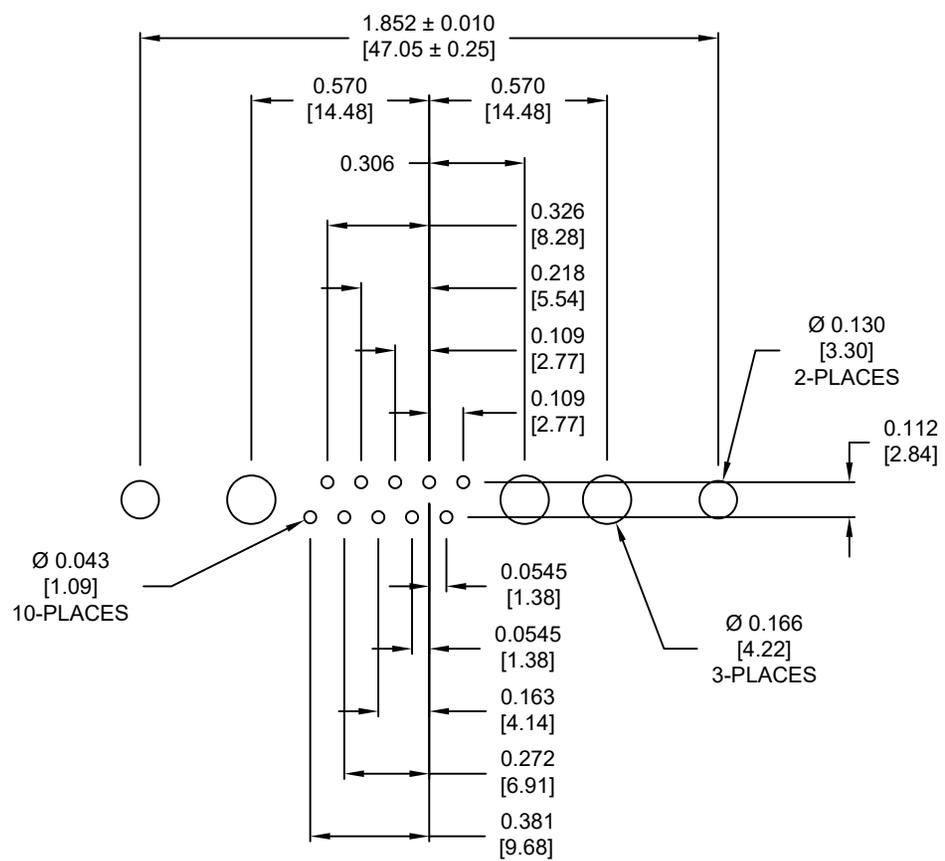
POWER CONTACTS

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		DATE: <b>09/13/2011</b>

<h1>NorComp</h1>	SCALE: NTS	SHEET 2 OF 4	REV 3
	DWG NO. <b>681S13W3203LYYY</b>		



RECOMMENDED PCB LAYOUT  
TOLERANCE ± 0.002 [0.05]

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DATE:  
09/13/2011

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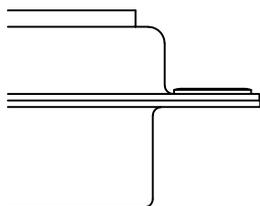
SCALE: NTS	SHEET 3	OF 4	REV 3
DWG NO.		681S13W3203LYYY	

DESCRIPTION: CLINCH NUT HARDWARE

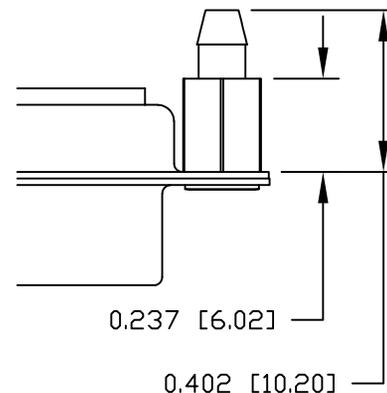
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:  
ALL DIMENSIONS ARE ±0.010

0 ..... NO HARDWARE



4 ..... 0.237" PCB SIDE



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DRAWN:  
P. JENKINS

DATE:  
09/13/2011

NorComp

SCALE:  
NTS

SHEET 4 OF 4

REV 3

DWG NO. 681S13W3203LYYY