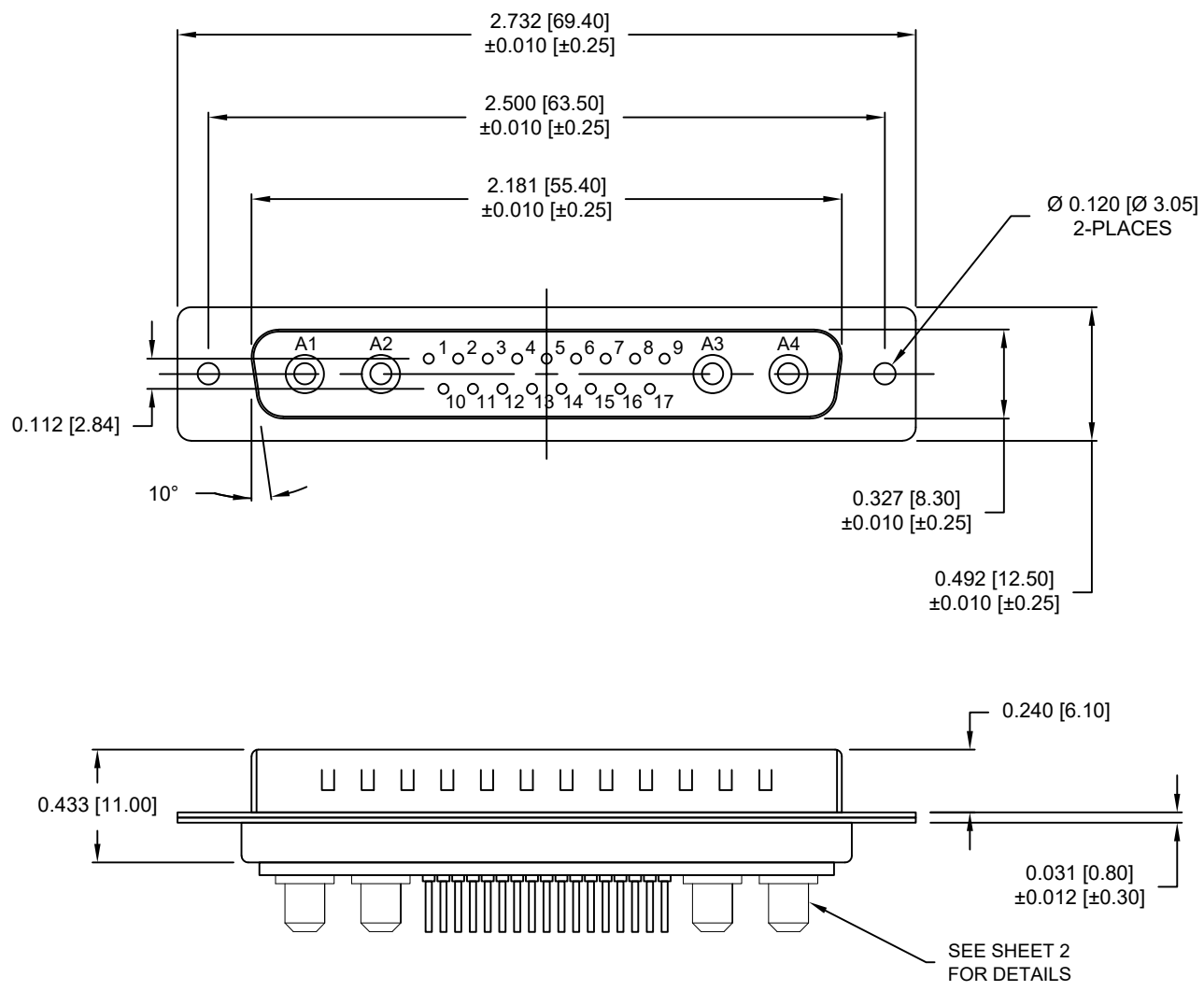


DESCRIPTION: POWER / SIGNAL - VERTICAL BOARD - MALE - IP67



**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:	1.0 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:	F08 FLEXIBLE ADHESIVE
SHELL:	NICKEL PLATED STEEL
HARDWARE:	NICKEL PLATED BRASS

**681S21WA4PLYYY**

- 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

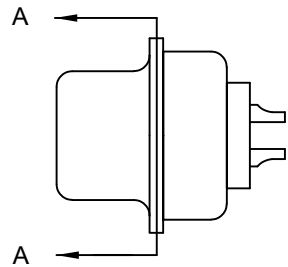
**MEETS IP67 STANDARDS**  
(SEE PAGE 2 FOR SEALING DETAILS)

**RoHS COMPLIANT**

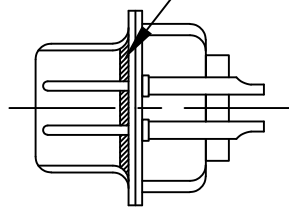
UNITS = INCHES [MM] **DO NOT SCALE FROM DRAWING**

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		DATE: <b>06/11/2013</b>

	SCALE: NTS	SHEET 1	OF 4	REV 2
	DWG NO. <b>681S21WA4PLYYY</b>			

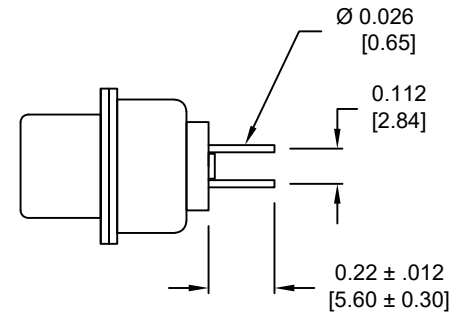


FRONT SEAL APPLIED OVER INSULATOR AND BETWEEN FRONT & REAR SHELLS

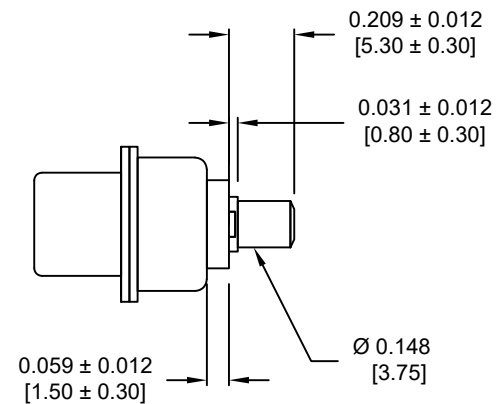


DETAIL A-A  
SHOWN FOR REFERENCE ONLY

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



SIGNAL CONTACTS



POWER CONTACTS

RoHS COMPLIANT

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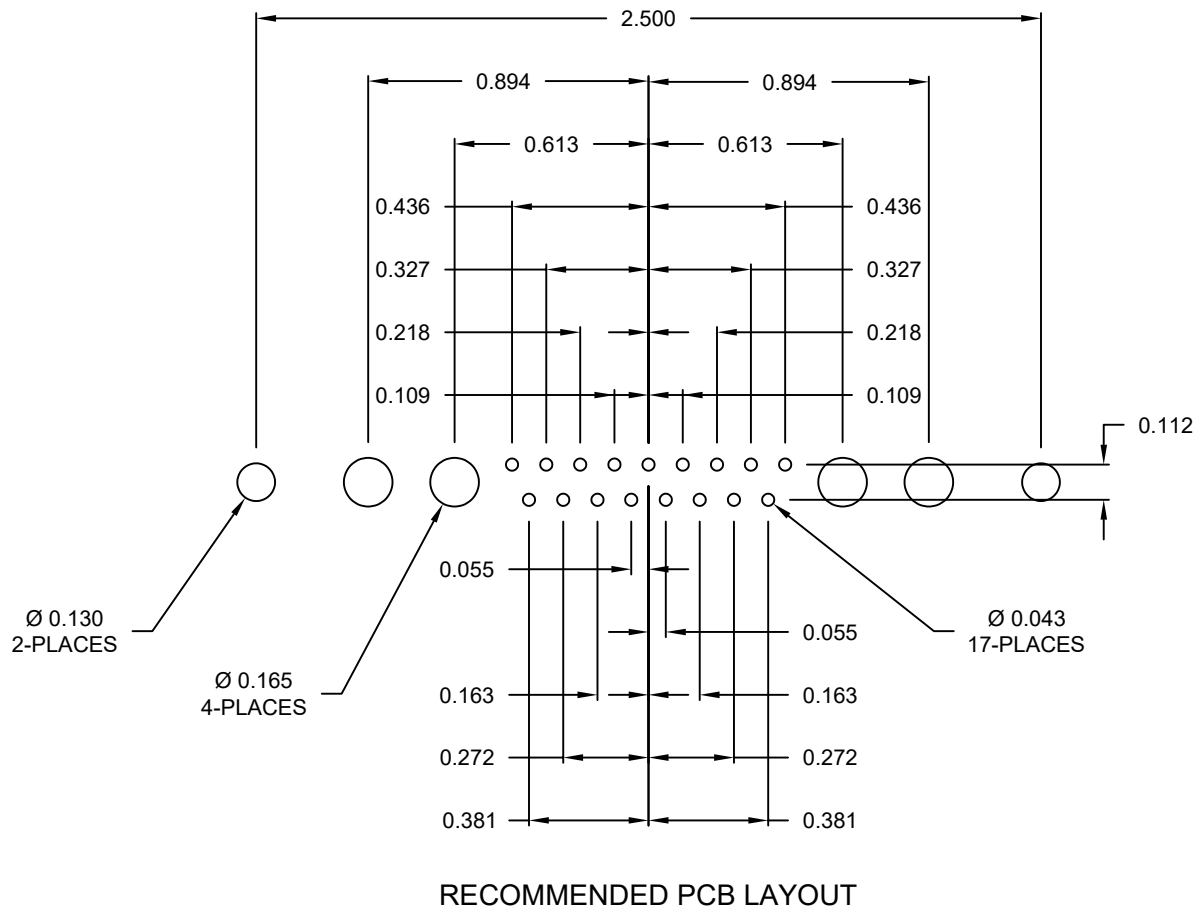
DRAWN:  
M. SIGMON

DATE:  
06/11/2013

NorComp

SCALE: NTS	SHEET 2	OF 4	REV 2
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DWG NO. 681S21WA4PLYYY



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UNITS = INCHES

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DATE:  
**06/11/2013**

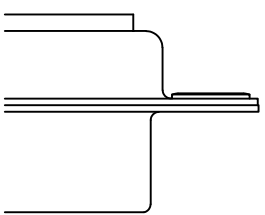
**NorComp**

SCALE: NTS	SHEET 3	OF 4	REV 2
DWG NO.		<b>681S21WA4PLYYY</b>	

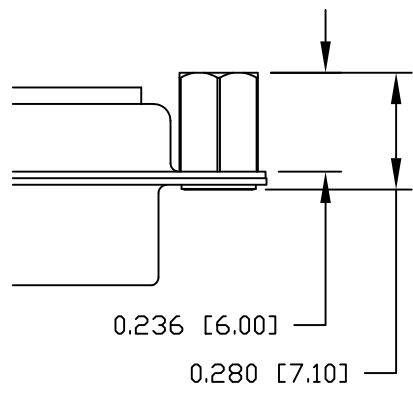
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:  
ALL DIMENSIONS ARE ±0.010

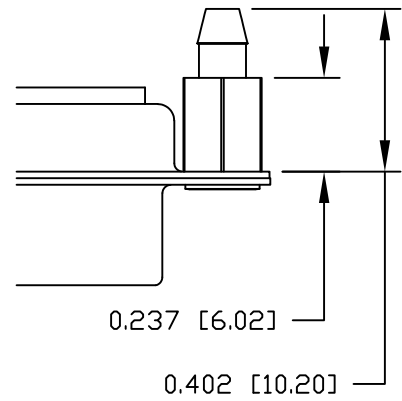
0 ..... NO HARDWARE



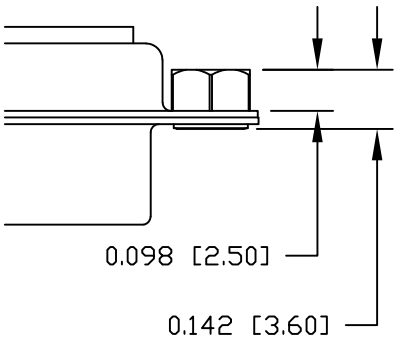
2 ..... 0.236" PCB SIDE



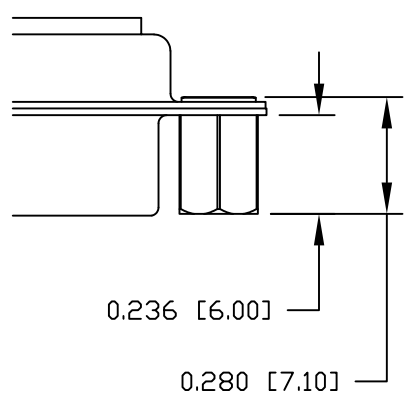
4 ..... 0.237" PCB SIDE



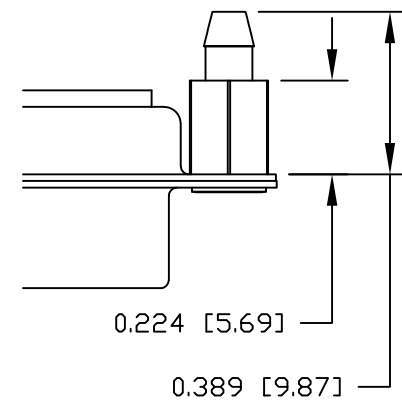
1 ..... 0.098" PCB SIDE



3 ..... 0.236" MATING SIDE



5 ..... 0.224" PCB SIDE



RoHS COMPLIANT

UNITS = INCHES [MM] DO NOT SCALE FROM DRAWING



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DRAWN:  
M. SIGMON  
DATE:  
06/11/2013

NorComp

SCALE: NTS	SHEET 4	OF 4	REV 2
DWG NO.		681S21WA4PLYYY	

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