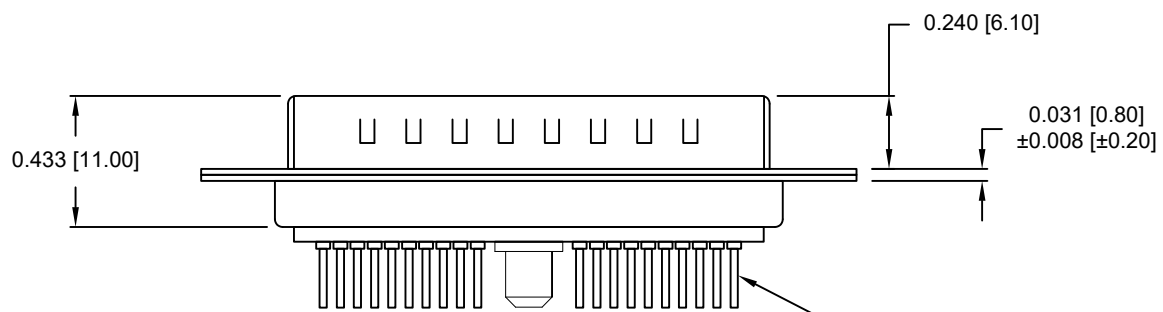
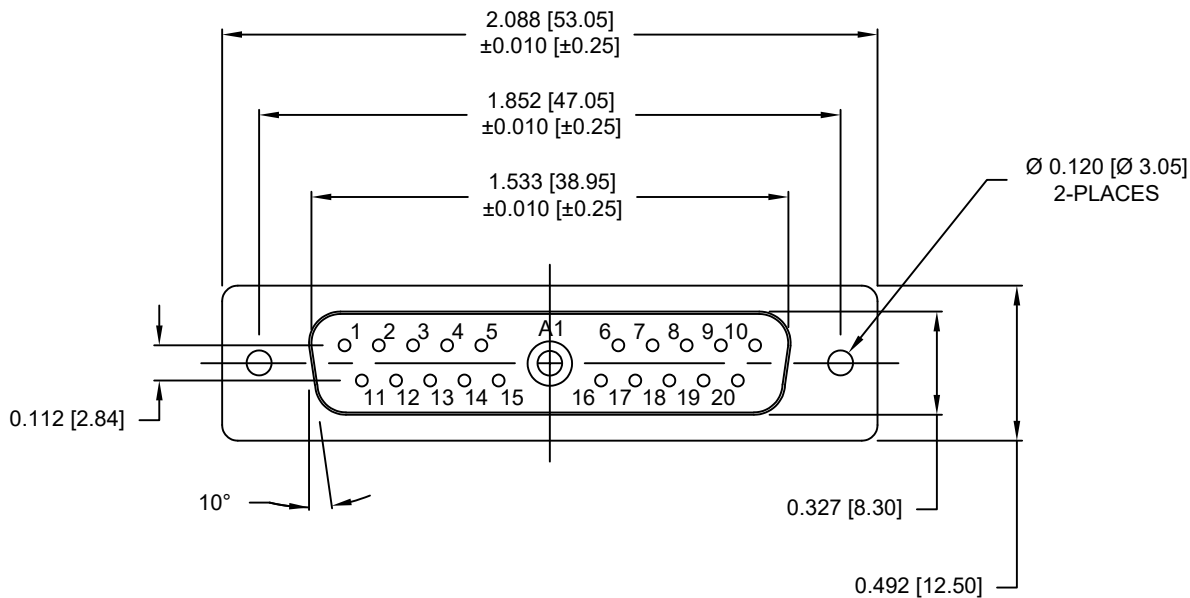


DESCRIPTION: POWER / SIGNAL - VERTICAL BOARD - MALE



SEE SHEET 2 FOR DETAILS

**SPECIFICATIONS:**

**ELECTRICAL:**  
 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

**MECHANICAL:**  
 CONTACT INSERTION FORCE: 4.5 Kg MAX.  
 CONTACT SEPARATION FORCE: 0.3 Kg MIN.

**MATERIALS:**  
 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

**681S21W1103LYYY**

- 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**

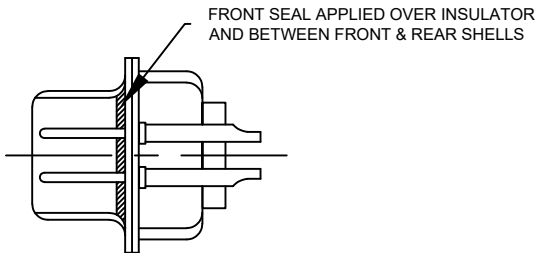
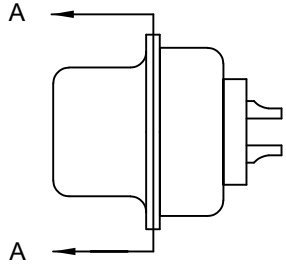
UNITS = INCHES [MM] **DO NOT SCALE FROM DRAWING**

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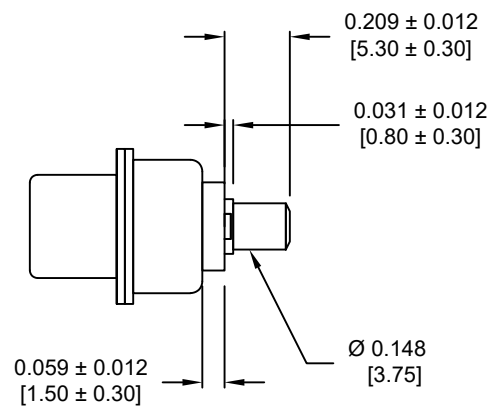
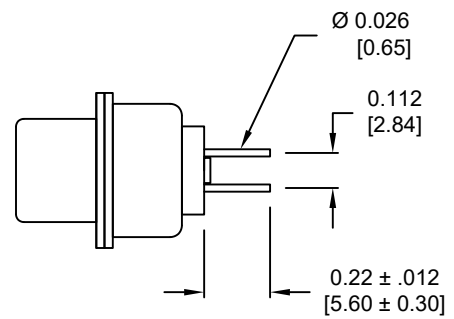
DRAWN: M. SIGMON  
 DATE: 06/11/2013

**NorComp**

SCALE: NTS	SHEET 1 OF 4	REV 3
DWG NO. 681S21W1103LYYY		



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

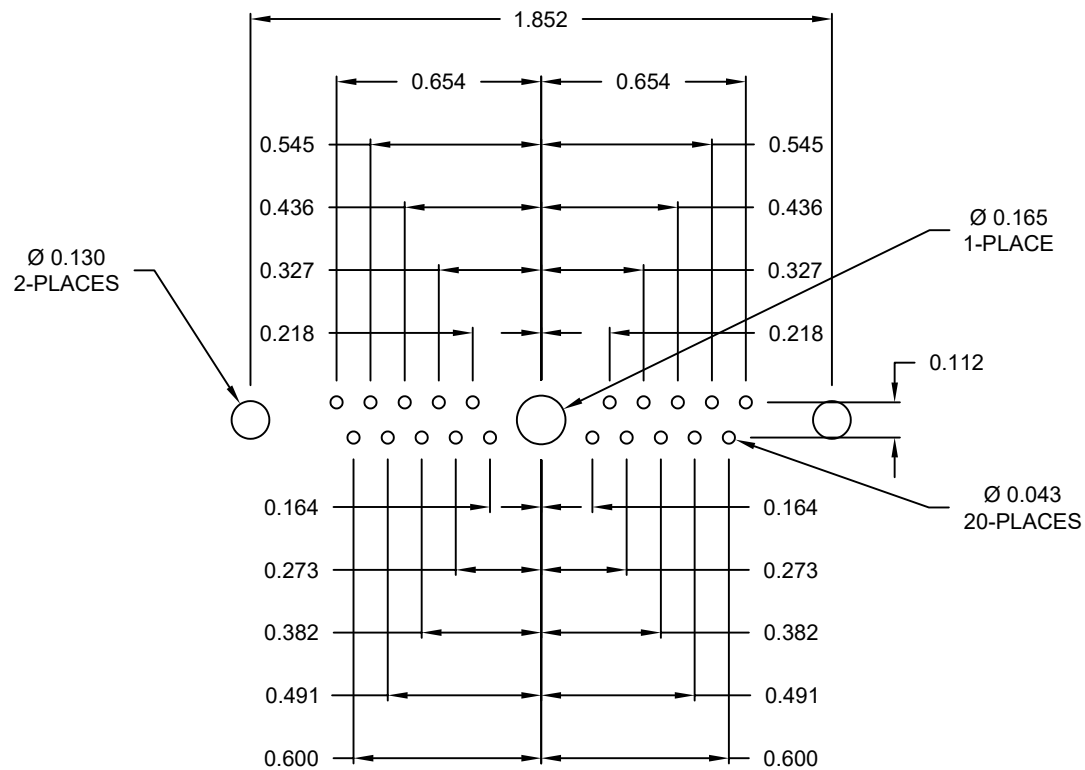


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		DATE: 06/11/2013

	SCALE: NTS	SHEET OF 2 4	REV 3
	DWG NO. 681S21W1103LYYY		



RECOMMENDED PCB LAYOUT

RoHS COMPLIANT

UNITS = INCHES

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DRAWN:  
M. SIGMON

DATE:  
06/11/2013

NorComp

SCALE:  
NTS

SHEET 3 OF 4

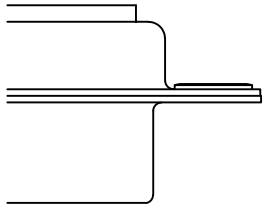
REV 3

DWG NO. 681S21W1103LYYY

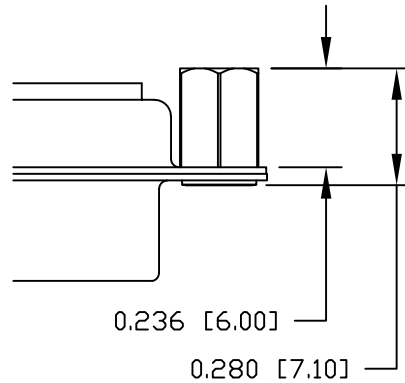
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:  
ALL DIMENSIONS ARE ±0.010

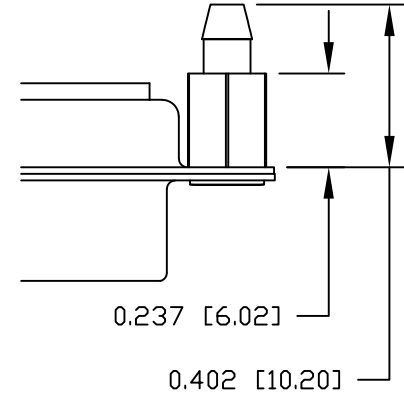
0 ..... NO HARDWARE



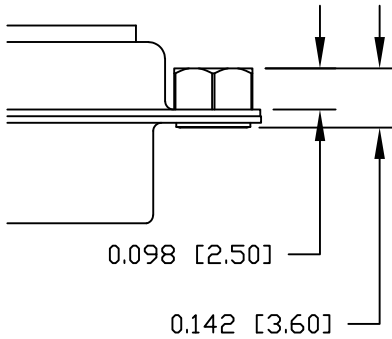
2 ..... 0.236" PCB SIDE



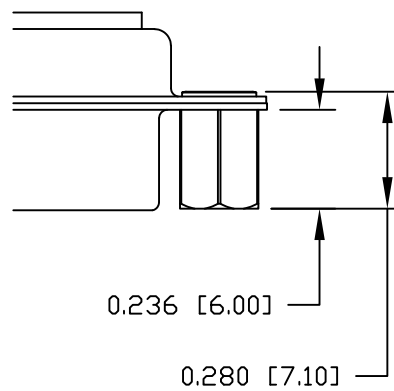
4 ..... 0.237" PCB SIDE



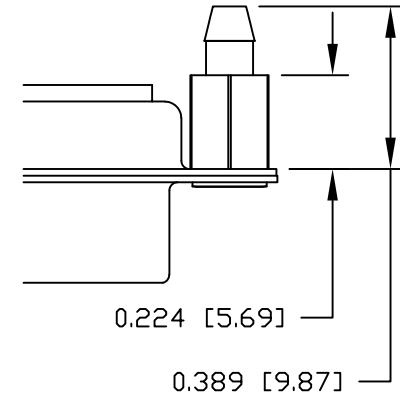
1 ..... 0.098" PCB SIDE



3 ..... 0.236" MATING SIDE



5 ..... 0.224" PCB SIDE



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DRAWN:  
M. SIGMON

DATE:  
06/11/2013

NorComp

SCALE:  
NTS

SHEET 4 OF 4

REV 3

DWG NO. 681S21W1103LYYY