

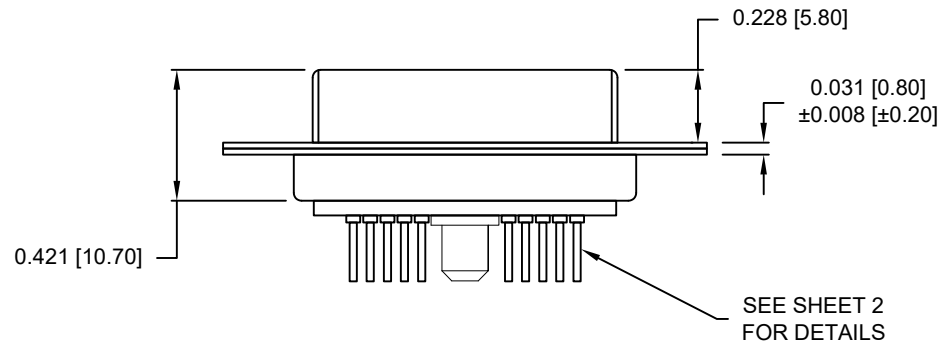
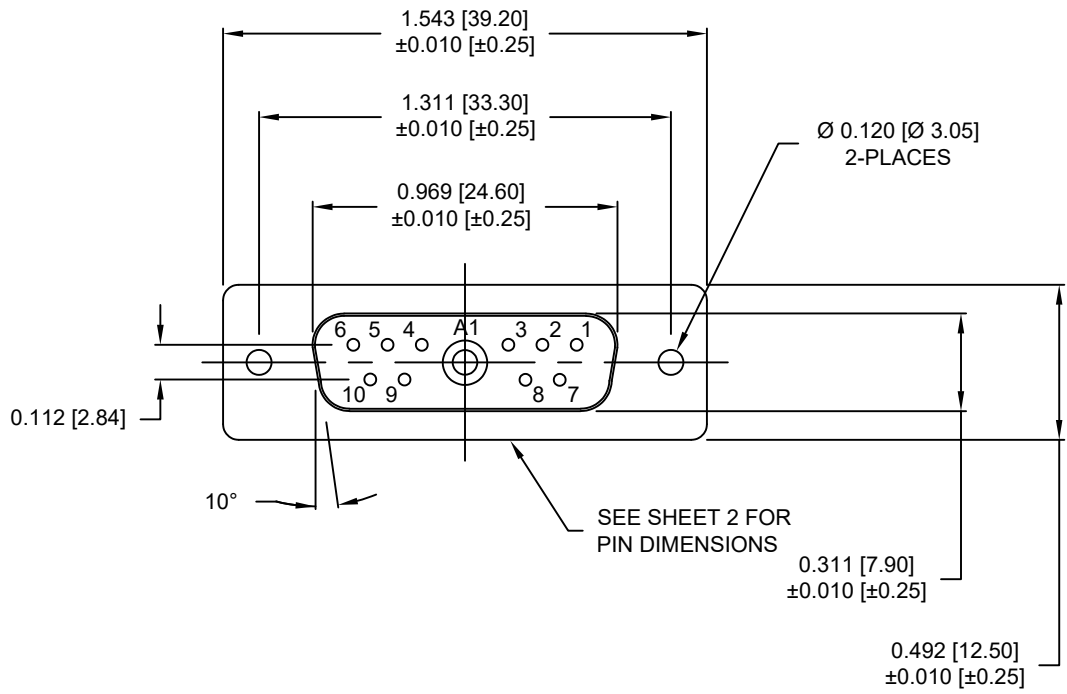
DESCRIPTION: POWER / SIGNAL - VERTICAL BOARD - FEMALE - IP67

**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: F04 FLEXIBLE ADHESIVE  
 SHELL: NICKEL PLATED STEEL  
 HARDWARE: NICKEL PLATED BRASS



**681S11W1203LYYY**

- 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**

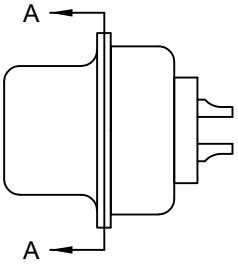
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DRAWN: **M. SIGMON**  
 DATE: **06/11/2013**

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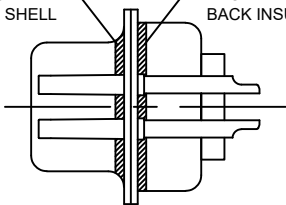
SCALE: NTS	SHEET 1	OF 4	REV 3
DWG NO.		<b>681S11W1203LYYY</b>	

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

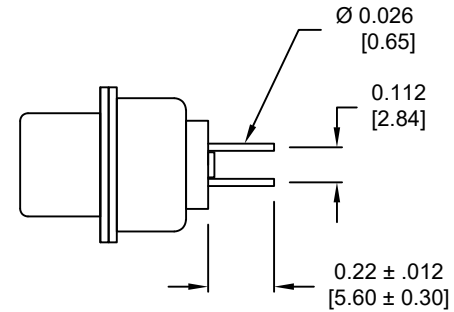


FRONT SEAL APPLIED BETWEEN FRONT INSULATOR AND FRONT METAL SHELL

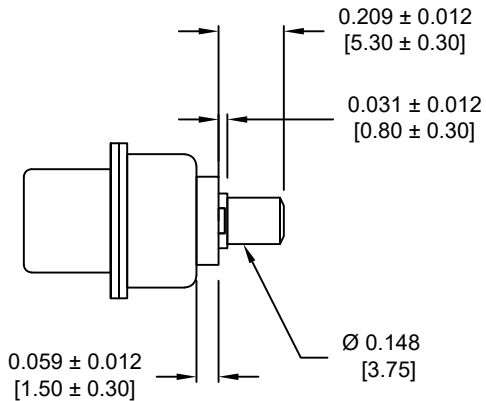
MIDDLE SEAL APPLIED BETWEEN FRONT INSULATOR AND BACK INSULATOR



DETAIL A-A  
SHOWN FOR REFERENCE ONLY



SIGNAL CONTACTS



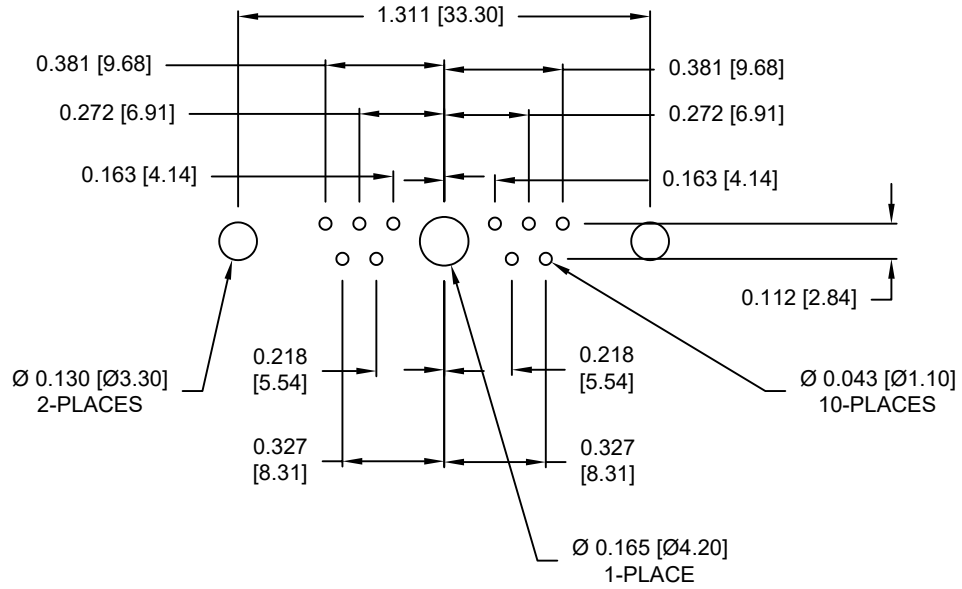
POWER CONTACTS

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	DWG NO. <b>681S11W1203LYYY</b>		



RECOMMENDED PCB LAYOUT

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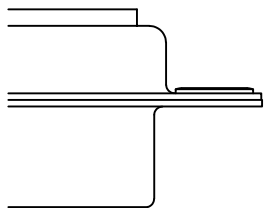
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		DATE: 06/11/2013		DWG NO. <b>681S11W1203LYYY</b>		

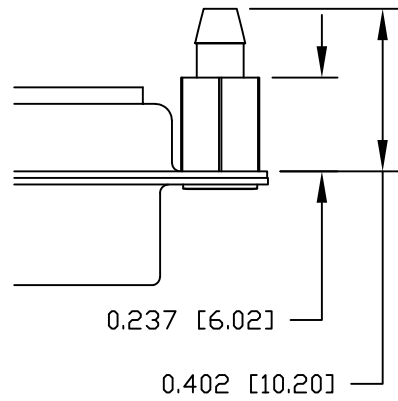
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:  
ALL DIMENSIONS ARE ±0.010

0 ..... NO HARDWARE



4 ..... 0.237" PCB SIDE



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SCALE: NTS	SHEET 4	OF 4	REV 3
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