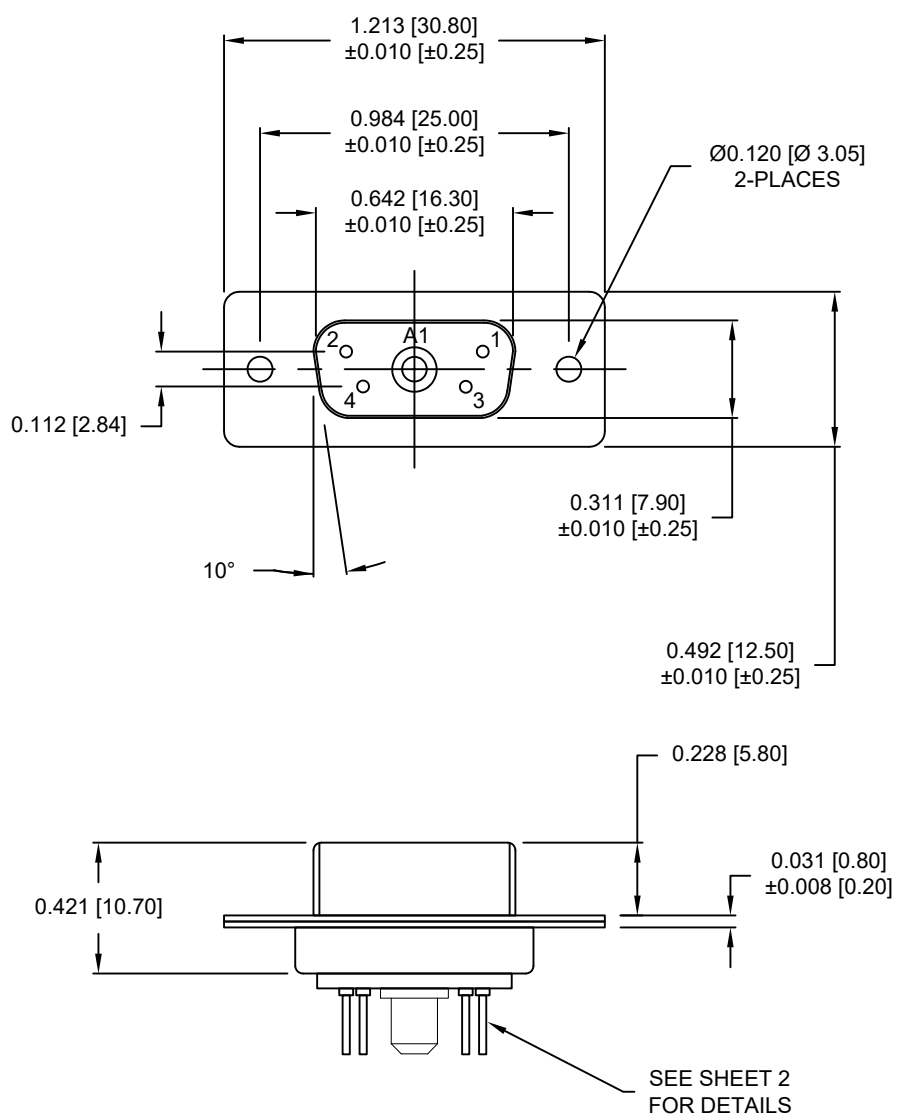


DESCRIPTION: POWER / SIGNAL - VERTICAL BOARD - FEMALE



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

681S5W1203LYYY

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

MEETS IP67 STANDARDS
 (SEE PAGE 2 FOR SEALING DETAILS)

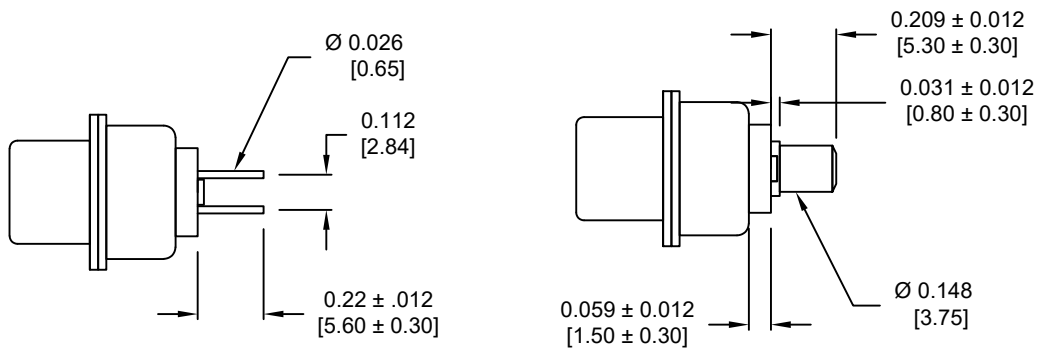
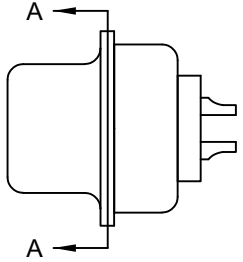
RoHS COMPLIANT

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

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		DATE: 06/11/2013

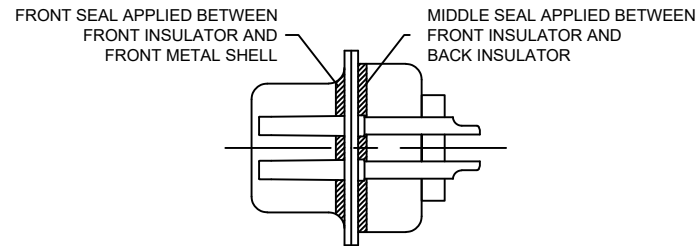
	SCALE: NTS	SHEET 1 OF 3	REV 3
	DWG NO. 681S5W1203LYYY		

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

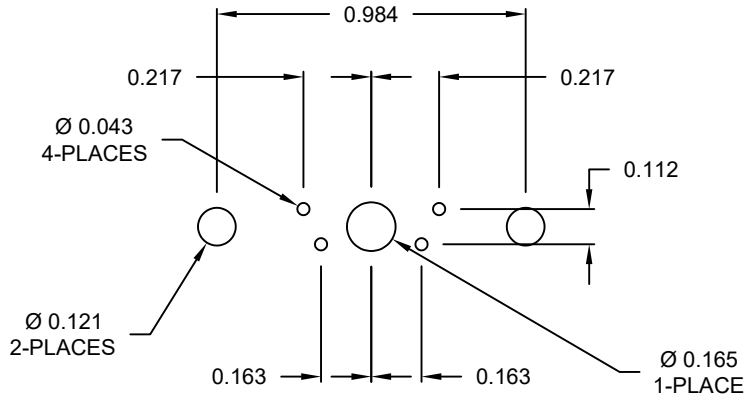


SIGNAL CONTACTS

POWER CONTACTS



**DETAIL A-A
SHOWN FOR REFERENCE ONLY**



RECOMMENDED PCB LAYOUT

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		DATE: 06/11/2013

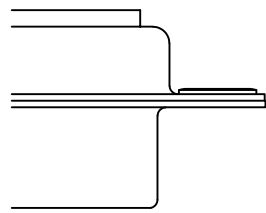
	SCALE: NTS	SHEET 2 OF 3	REV 3
	DWG NO. 681S5W1203LYYY		

DESCRIPTION: CLINCH NUT HARDWARE

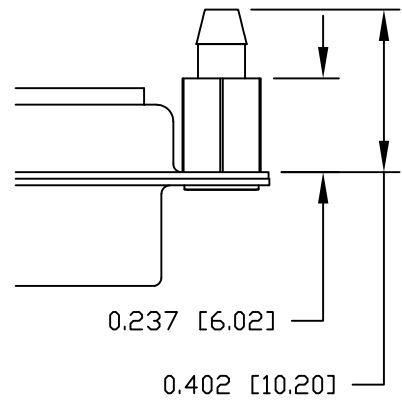
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ±0.010

0 NO HARDWARE



4 0.237" PCB SIDE



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DRAWN:
M. SIGMON

DATE:
06/11/2013

NorComp

SCALE:
NTS

SHEET OF
3 3

REV
3

DWG NO. 681S5W1203LYYY