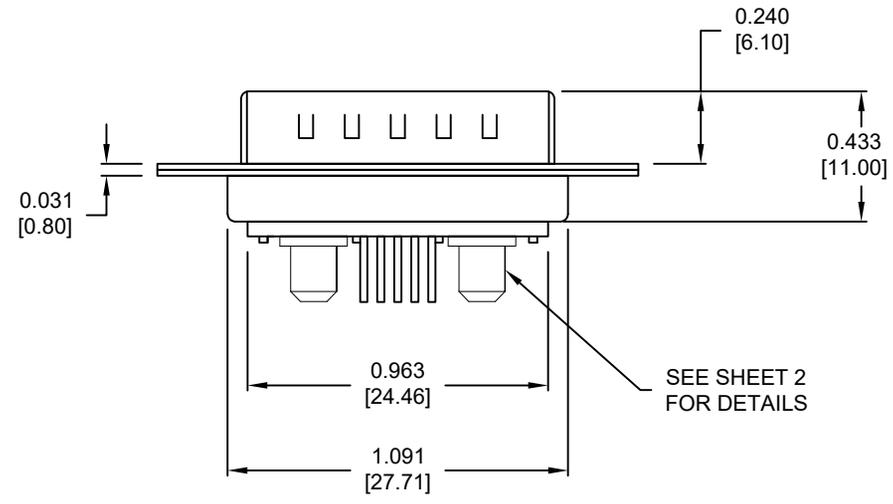
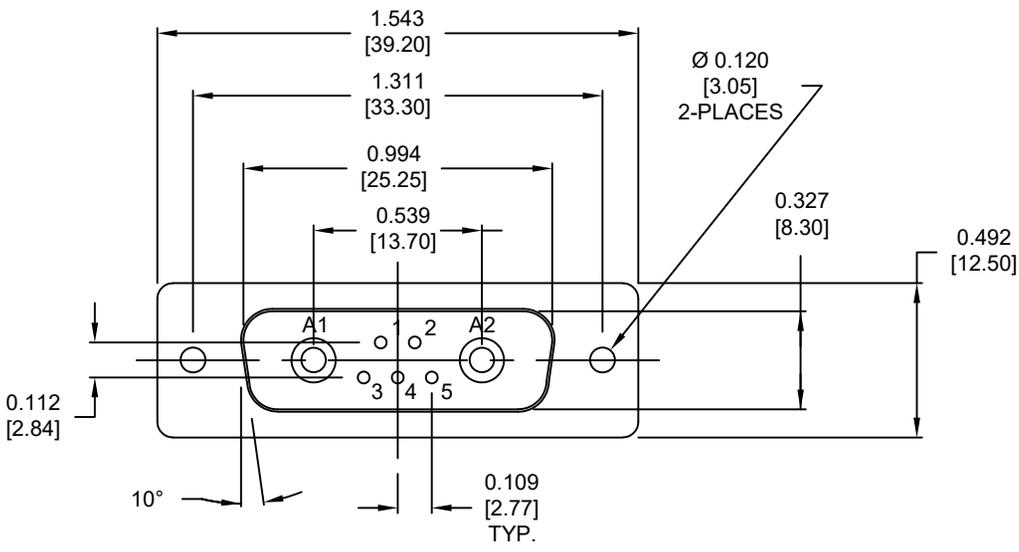


DESCRIPTION: POWER/SIGNAL - VERTICAL BOARD - MALE - MACHINED



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

681S7W2103LYYY

- 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)

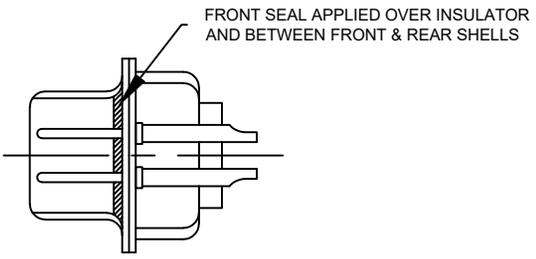
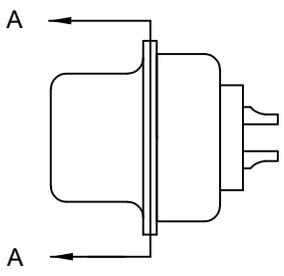
RoHS COMPLIANT

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

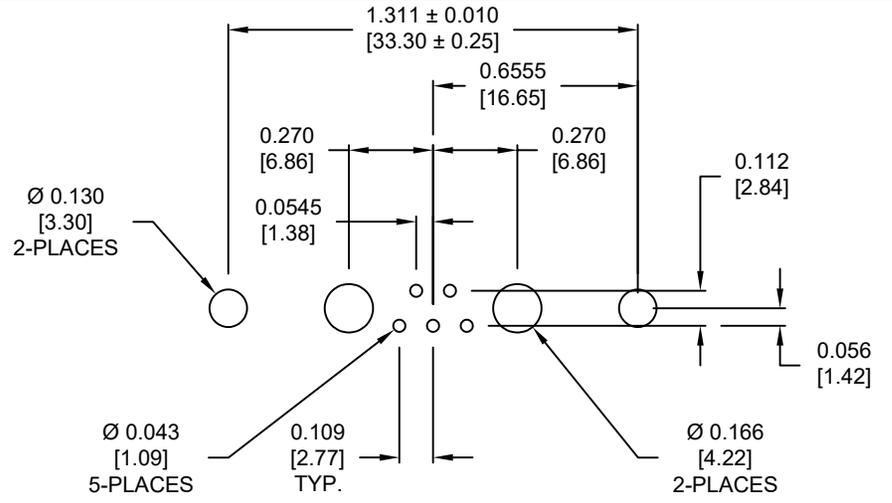
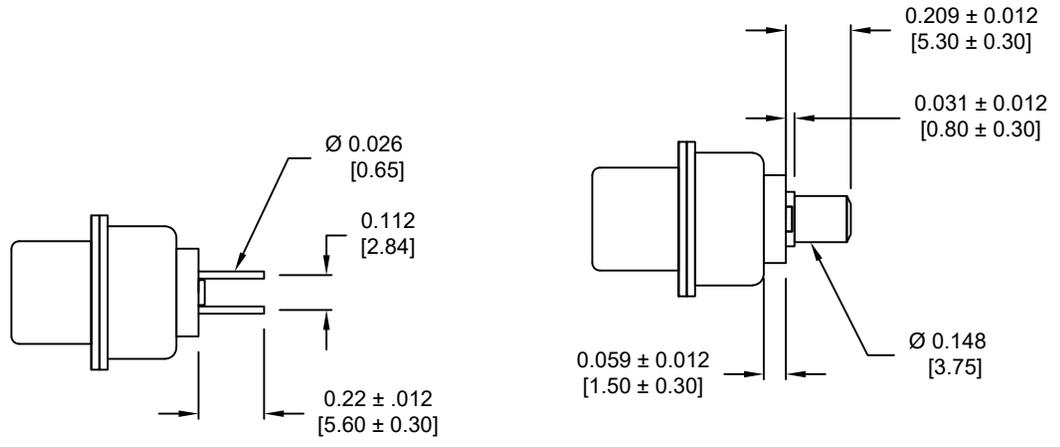
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF NorComp AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.	DRAWN: P. JENKINS
		DATE: 09/13/2011

	SCALE: NTS	SHEET 1 OF 3	REV 3
	DWG NO. 681S7W2103LYYY		

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



DETAIL A-A
SHOWN FOR REFERENCE ONLY



RoHS COMPLIANT

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

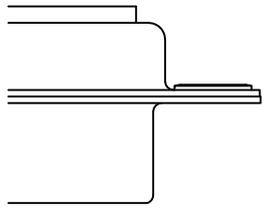
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF NorComp AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.	DRAWN: P. JENKINS
		DATE: 09/13/2011

	SCALE: NTS	SHEET 2 OF 3	REV 3
	DWG NO. 681S7W2103LYYY		

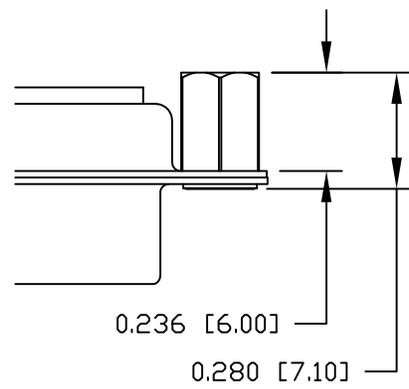
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ±0.010

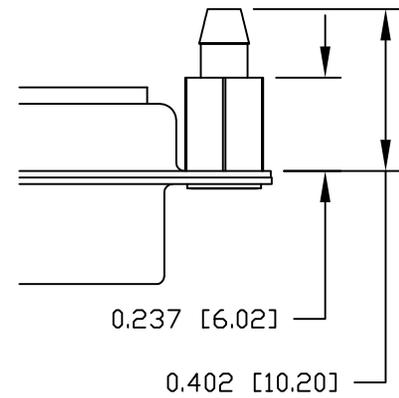
0 NO HARDWARE



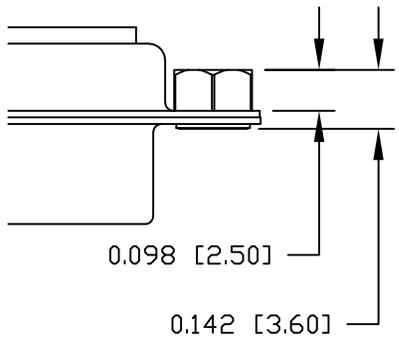
2 0.236" PCB SIDE



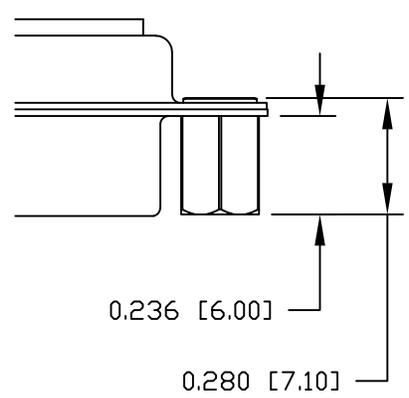
4 0.237" PCB SIDE



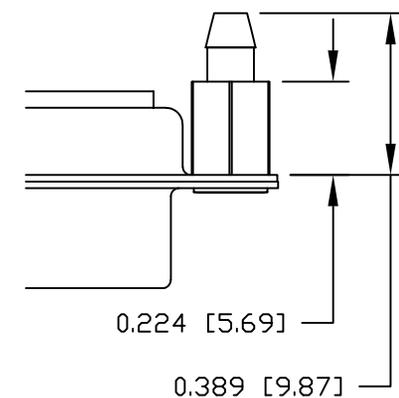
1 0.098" PCB SIDE



3 0.236" MATING SIDE



5 0.224" PCB SIDE



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UNITS = INCHES [MM] DO NOT SCALE FROM DRAWING



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DRAWN:
P. JENKINS

DATE:
09/13/2011

NorComp

SCALE: NTS	SHEET 3	OF 3	REV 3
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DWG NO. 681S7W2103LYYY