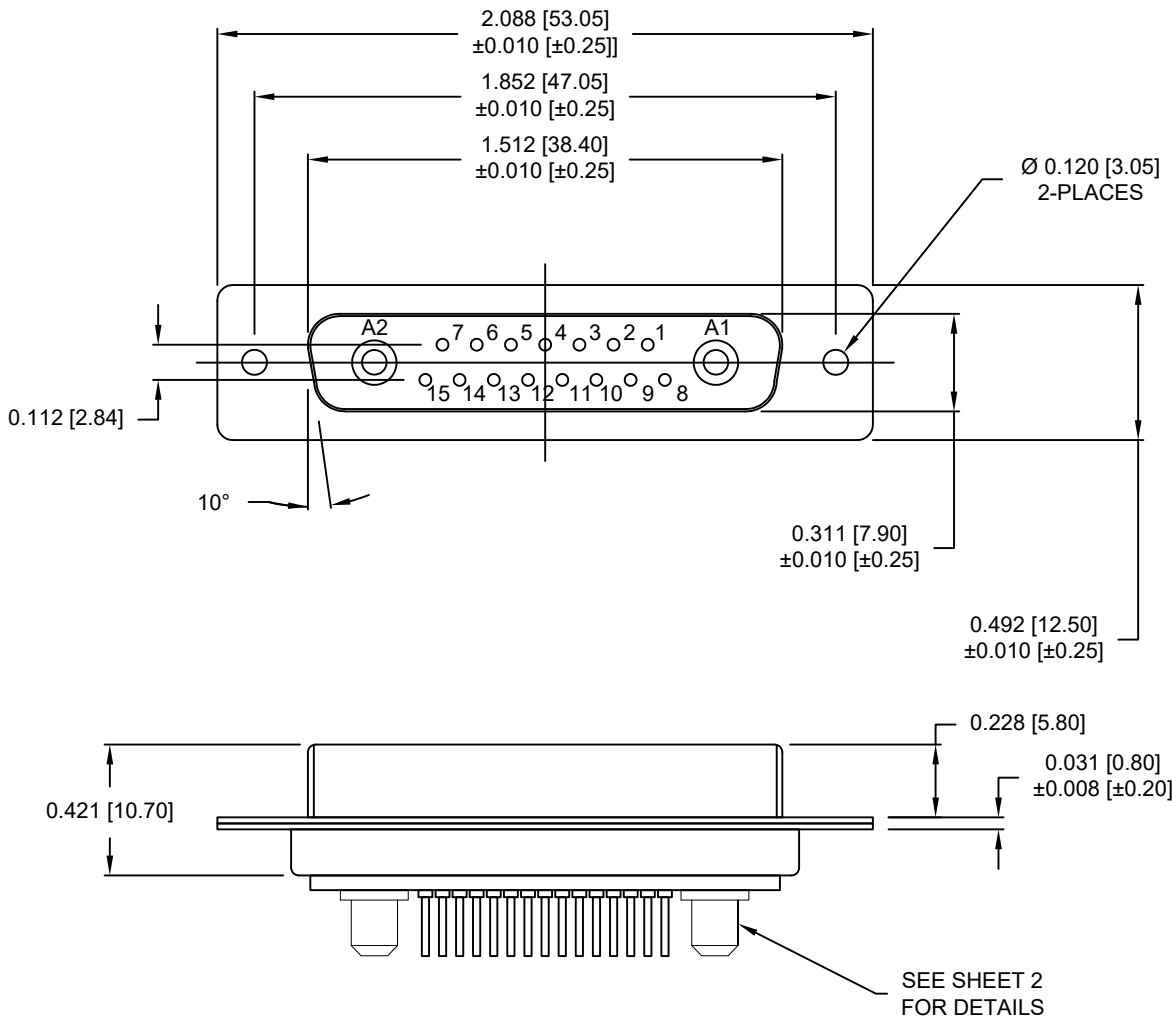


DESCRIPTION: POWER / SIGNAL - VERTICAL BOARD - FEMALE - IP67



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

681S17W2203LYYY

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

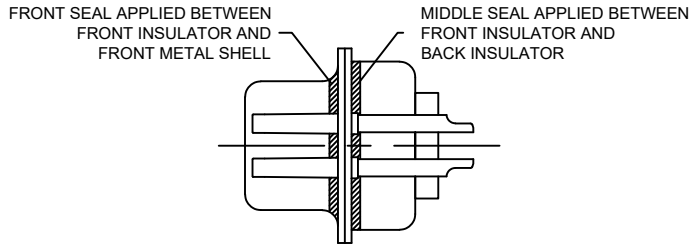
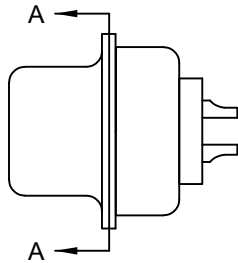
MEETS IP67 STANDARDS
 (SEE PAGE 2 FOR SEALING DETAILS)

RoHS COMPLIANT

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

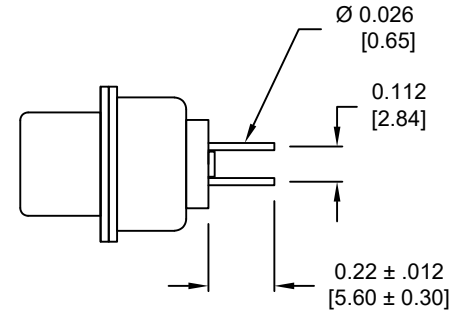
	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF NorComp AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION.	DRAWN: M. SIGMON
		DATE: 06/11/2013

	SCALE: NTS	SHEET 1 OF 4	REV 3
	DWG NO. 681S17W2203LYYY		

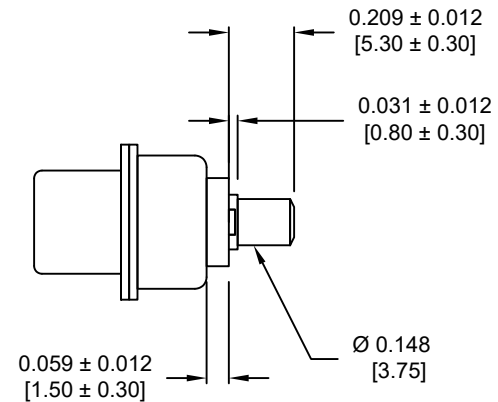


DETAIL A-A
SHOWN FOR REFERENCE ONLY

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



SIGNAL CONTACTS



POWER CONTACTS

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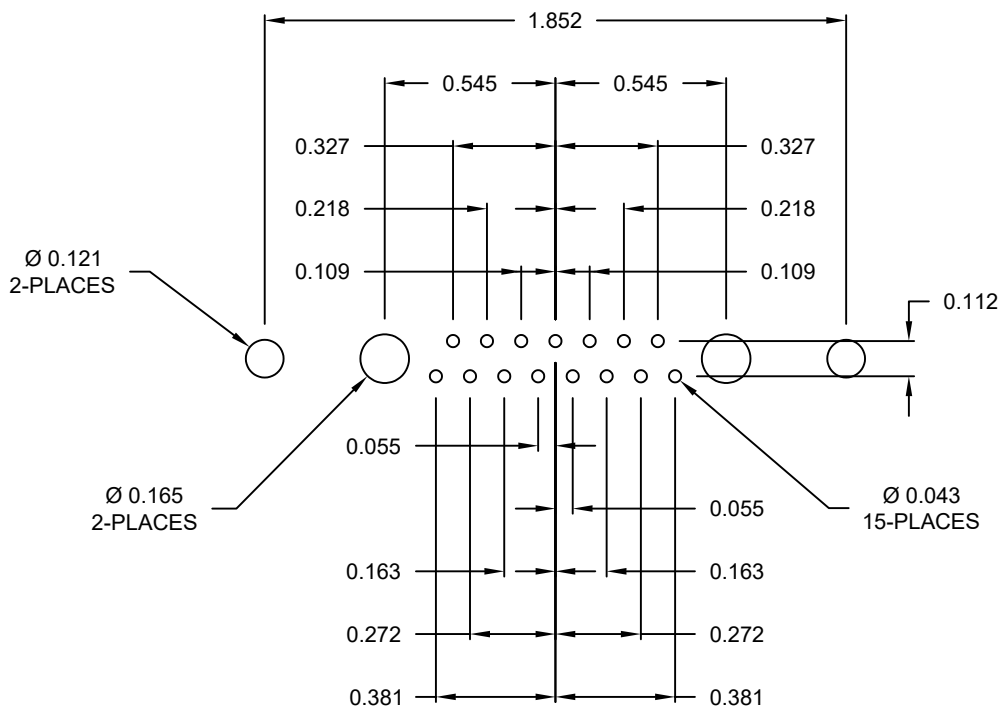


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DATE:
06/11/2013

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SCALE: NTS	SHEET 2	OF 4	REV 3
DWG NO.		681S17W2203LYYY	



RECOMMENDED PCB LAYOUT

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		DATE: 06/11/2013

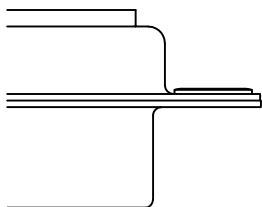
NorComp

SCALE: NTS	SHEET 3 OF 4	REV 3
DWG NO. 681S17W2203LYYY		

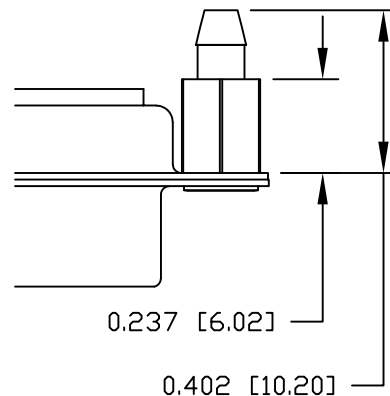
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ±0.010

0 NO HARDWARE



4 0.237" PCB SIDE



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DATE:
06/11/2013

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SCALE:
NTS

SHEET OF
4 4

REV
3

DWG NO. 681S17W2203LYYY