

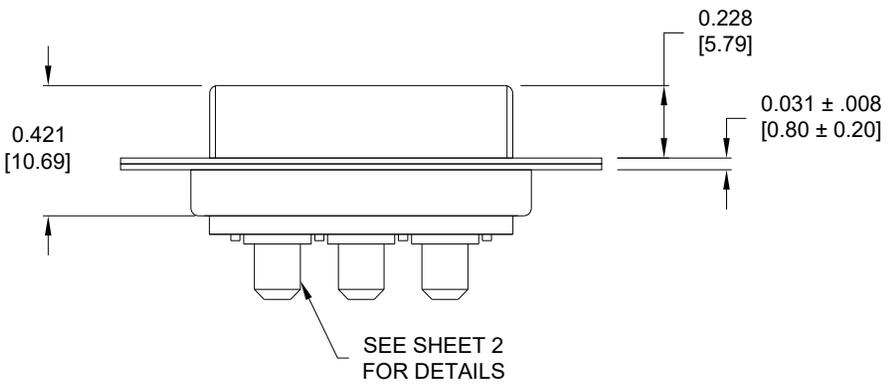
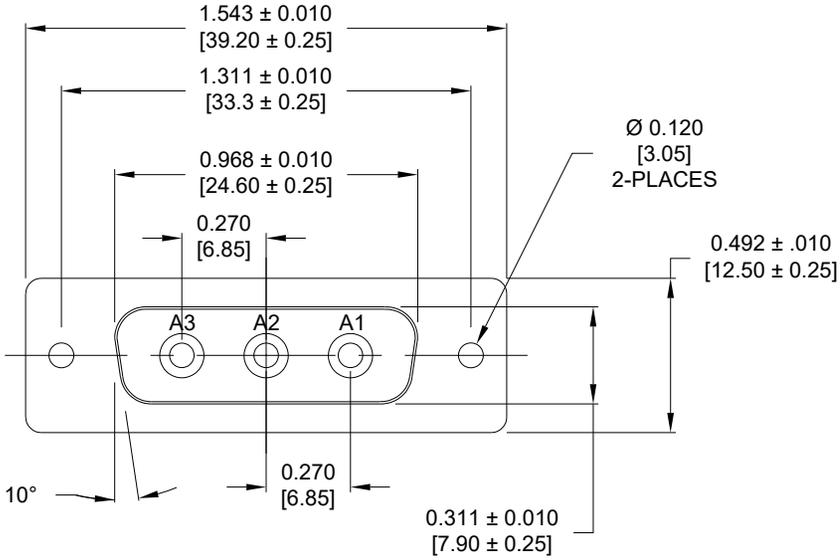
DESCRIPTION: POWER - VERTICAL BOARD - FEMALE

SPECIFICATIONS:

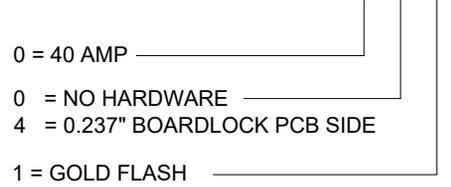
ELECTRICAL:
 INSULATION RESISTANCE: 5 GΩ MIN.
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VAC FOR 1 MIN
 WORKING VOLTAGE: 250V
 OPERATING TEMPERATURE: -55°C TO +125°C
 POWER CONTACT RESISTANCE: 2.0 mΩ MAX.
 POWER PINS: 40 AMPS

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



681S3W3203LYYY



MEETS IP67 STANDARDS
 (SEE PAGE 2 FOR SEALING DETAILS)

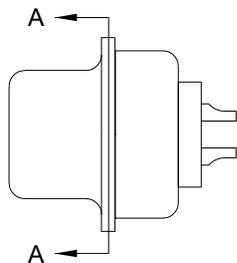
RoHS COMPLIANT

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

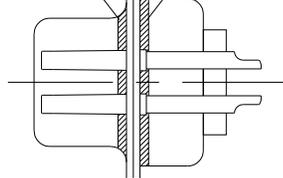
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		DATE: 09/13/2011

	SCALE: NTS	SHEET 1 OF 3	REV 4
	DWG NO. 681S3W3203LYYY		

NOTE: POWER CONTACTS COME PRE-LOADED INTO INSULATORS

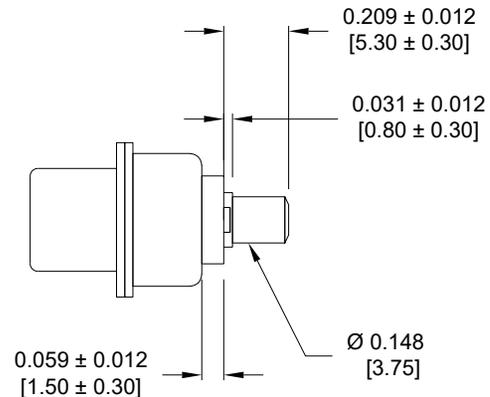


FRONT SEAL APPLIED BETWEEN FRONT INSULATOR AND FRONT METAL SHELL
 MIDDLE SEAL APPLIED BETWEEN FRONT INSULATOR AND BACK INSULATOR

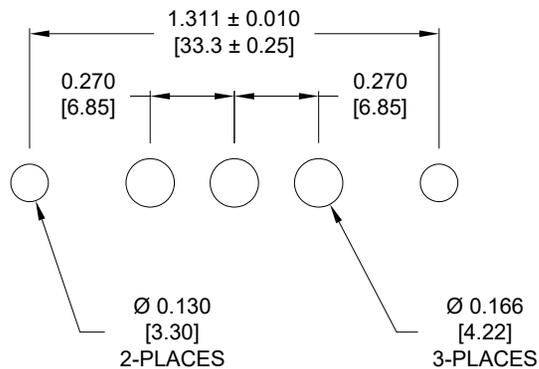


DETAIL A-A

SHOWN FOR REFERENCE ONLY



POWER CONTACTS



RECOMMENDED PCB LAYOUT
 TOLERANCE ± 0.002 [0.05]

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 P. JENKINS

DATE:
 09/13/2011

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SCALE:
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SHEET 2 OF 3

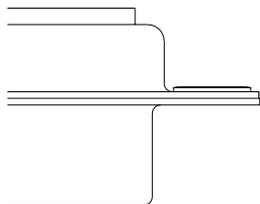
REV 4

DWG NO. 681S3W3203LYYY

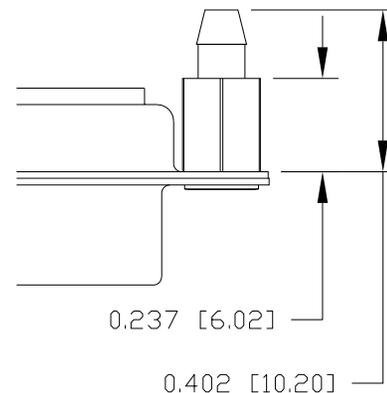
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ±0.010

0 NO HARDWARE



4 0.237" PCB SIDE



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SHEET OF
3 3

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