

**SPECIFICATIONS:**

**ELECTRICAL:**

INSULATOR RESISTANCE: 5 G OHMS Min.  
 DIELECTRIC WITHSTANDING: 1,000VAC r.m.s.  
 OPERATING TEMPERATURE: -55° C ~ +125° C  
 POWER CONTACT RESISTANCE: 2.0 mOhms MAX.  
 SIGNAL CONTACT RESISTANCE: 10 mOhms MAX.  
 POWER PINS: SEE PART NUMBER BELOW  
 SIGNAL PINS: 5 AMPS

**MECHANICAL:**

CONTACT INSERTION FORCE: 4.5 Kg Max.  
 CONTACT SEPARATOR FORCE: 0.3Kg Min.

**MATERIALS:**

CONTACTS: COPPER ALLOY  
 INSULATOR: PBT UL94V-0 RATED, BLK 230°C PROCESS TEMP.  
 SHELL: STEEL

**FINISH:**

SHELL: NICKEL  
 CONTACTS: FULL GOLD FLASH

**680M13W6103LYY1**

- 2 = 20 AMP
  - 4 = 40 AMP
  - 0 = NO HARDWARE
  - 1 = 0.098" CN SOLDER SIDE
  - 2 = 0.236" CN SOLDER SIDE
  - 3 = 0.236" CN MATING SIDE
  - 1 = GOLD FLASH
- \*CONTACT NORCOMP FOR MORE OPTIONS

RoHS COMPLIANT



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DRAWN:  
M. SIGMON

DATE:  
07/22/2013

UNITS = inch [mm]

DO NOT SCALE FROM DRAWING

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SCALE:  
NTS

SHEET 1 OF 2

REV 4

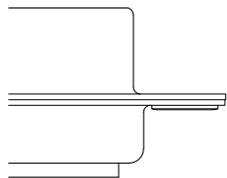
DWG NO.

680M13W6103LYY1

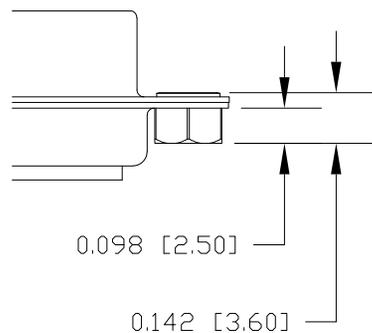
## HARDWARE OPTIONS

CLINCH NUTS HAVE #4-40 INTERNAL THREADS THRU

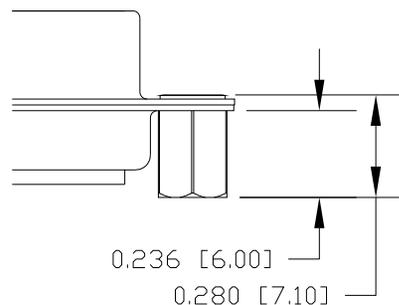
0 ..... NO HARDWARE



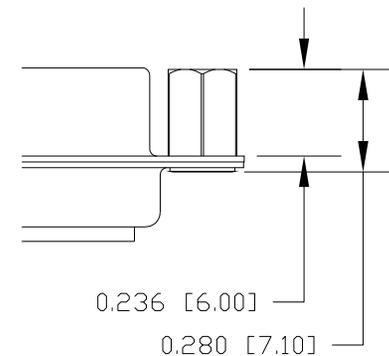
1 ..... 0.098" SOLDER SIDE



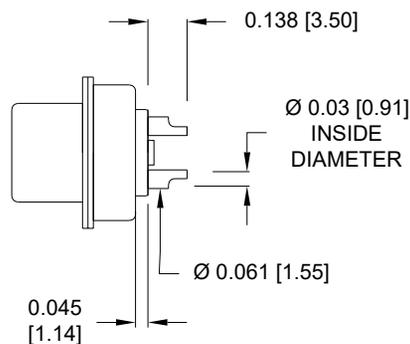
2 ..... 0.236" SOLDER SIDE



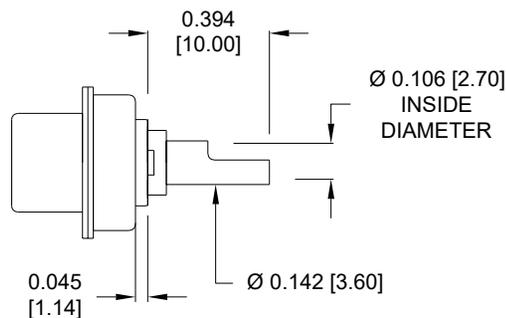
3 ..... 0.236" MATING SIDE



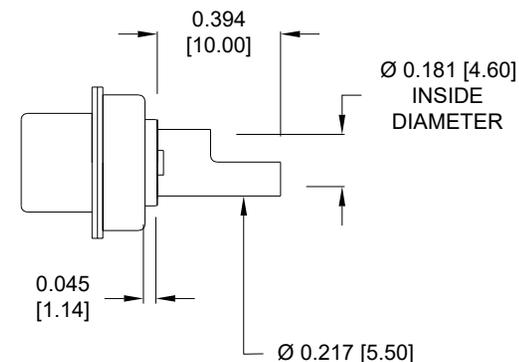
**NOTE:**  
SIGNAL AND POWER CONTACTS  
COME PRE-LOADED INTO INSULATORS



**SIGNAL CONTACTS**  
ACCEPTS UP TO 20 AWG WIRE



**20 AMP POWER CONTACTS**  
ACCEPTS UP TO 12 AWG WIRE



**40 AMP POWER CONTACTS**  
ACCEPTS UP TO 8 AWG WIRE

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SHEET 2 OF 2

REV 4

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