

## ELECTRICAL:

INSULATOR RESISTANCE: 5 GOhms MIN.  
 DIELECTRIC WITHSTANDING: 1000 VAC FOR 1 MIN  
 OPERATING TEMPERATURE: -55°C TO +125°C  
 POWER CONTACT RESISTANCE: 2.0 mOhms MAX.  
 SIGNAL CONTACT RESISTANCE: 10 mOhms MAX.  
 POWER CONTACT AMPERAGE: SEE P/N KEY  
 SIGNAL CONTACT AMPERAGE: 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  
 SHELL: 230°C PROCESS TEMP.  
 SEAL: NICKEL PLATED STEEL  
 F08 FLEXIBLE ADHESIVE

**680S13W6103LYY1**

2 = 20 AMP  
 4 = 40 AMP  
 0 = NO HARDWARE  
 1 = 0.098" CN TERMINATION SIDE  
 1 = GOLD FLASH  
 \*CONTACT NORCOMP FOR MORE OPTIONS

MEETS IP67 STANDARDS  
 (SEE PAGE 2 FOR SEALING DETAILS)

**RoHS COMPLIANT**



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:  
 06/10/2013

UNITS = inch [mm]

DO NOT SCALE FROM DRAWING

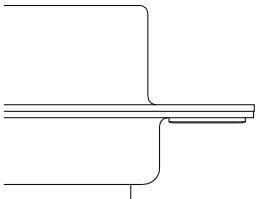
**NorComp**

SCALE:	NTS	SHEET	OF	REV
DWG NO.				3
680S13W6103LYY1				

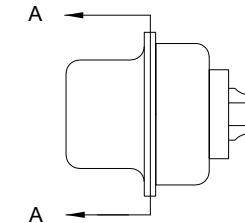
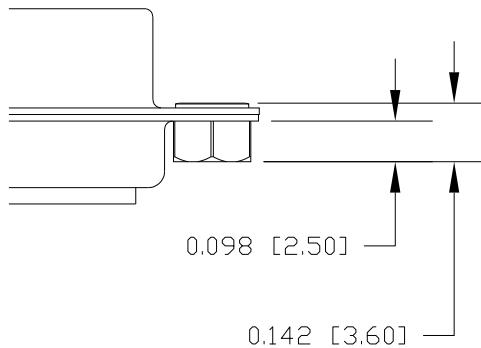
## HARDWARE OPTIONS

CLINCH NUTS HAVE #4-40 INTERNAL THREADS THRU

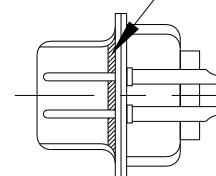
0 ..... NO HARDWARE



1 ..... 0.098" TERMINATION SIDE



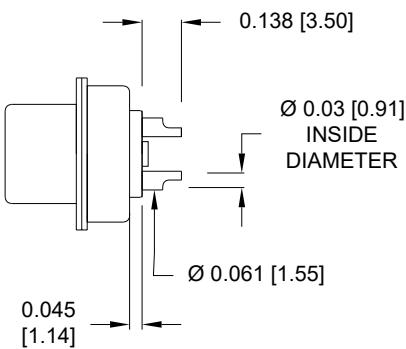
FRONT SEAL APPLIED OVER INSULATOR



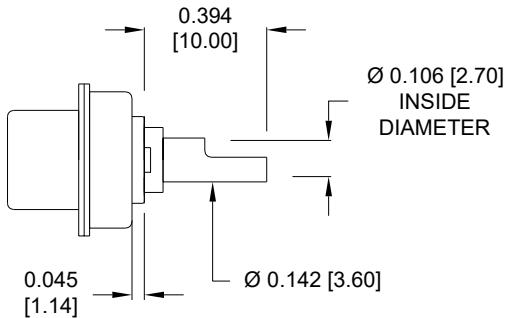
DETAIL A-A

SHOWN FOR REFERENCE ONLY

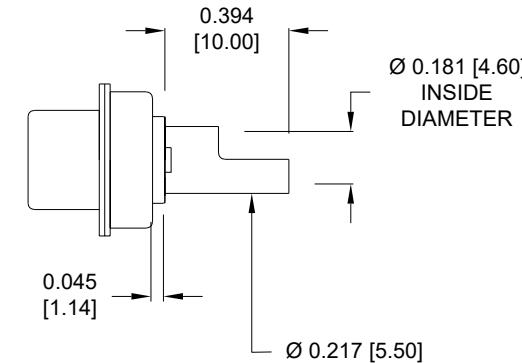
NOTE:  
SIGNAL AND POWER CONTACTS  
COME PRE-LOADED INTO INSULATORS



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

RoHS COMPLIANT



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:

06/10/2013

UNITS = inch [mm]

NorComp

DO NOT SCALE FROM DRAWING

SCALE:

NTS

DWG NO.

SHEET 2 OF 2 REV 3

680S13W6103LYY1