

SEE SHEET 2  
FOR CONTACT DIMENSION DETAILS

ELECTRICAL:  
 INSULATOR RESISTANCE: 5 GΩ MIN.  
 WORKING VOLTAGE: 250V  
 OPERATING TEMPERATURE: -55°C TO +125°C  
 POWER CONTACT RESISTANCE: 1.0 mΩ MAX.  
 SIGNAL CONTACT RESISTANCE: 10 mΩ 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.  
 BRACKET: NICKEL PLATED STEEL  
 BOARD LOCK: NICKEL PLATED STEEL  
 BOARD LOCK: NICKEL PLATED BRASS

681M13W3103LYYY

0 = 40 AMP POWER // STANDARD PCB TAILS  
 1 = 40 AMP POWER // 2.22mm PCB TAILS  
 2 = 20 AMP POWER // STANDARD PCB TAILS

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

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UNITS = inches [mm]

DO NOT SCALE FROM DRAWING

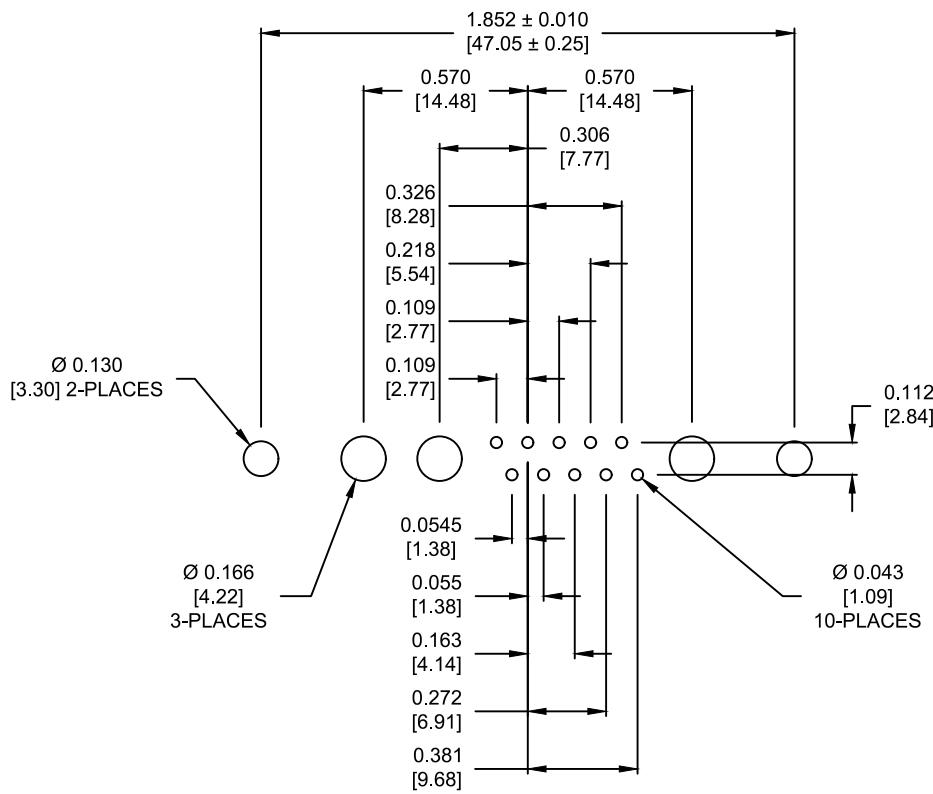


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P. JENKINS  
DATE:  
08/22/2011

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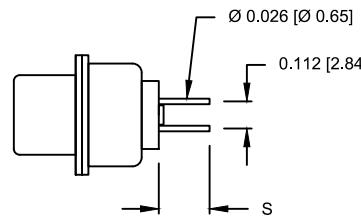
SCALE: NTS	SHEET 1	OF 3	REV 2
DWG NO.			681M13W3103LYYY



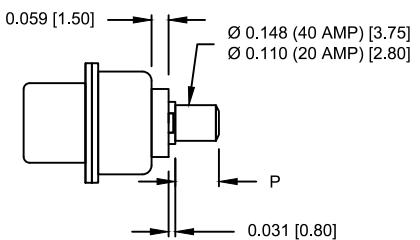
NOTE:  
SIGNAL AND POWER CONTACTS  
COME PRE-LOADED INTO INSULATORS

DIMENSIONS(in/mm)		
OPTION	S	P
0 & 2	0.218	0.177
	5.55	4.50
1	0.118	0.087
	3.02	2.22

SIGNAL CONTACTS



POWER CONTACTS



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SCALE:

NTS

SHEET

2

OF

3

REV

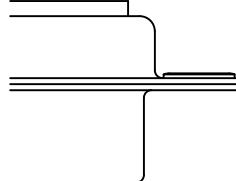
2

DWG NO. 681M13W3103LYYY

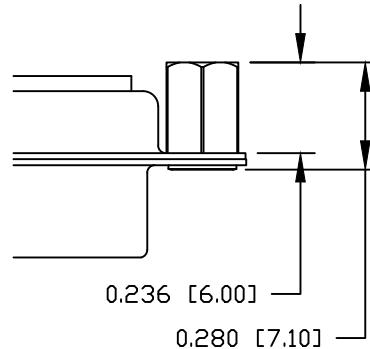
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

**TOLERANCE:**  
ALL DIMENSIONS ARE  $\pm 0.010$

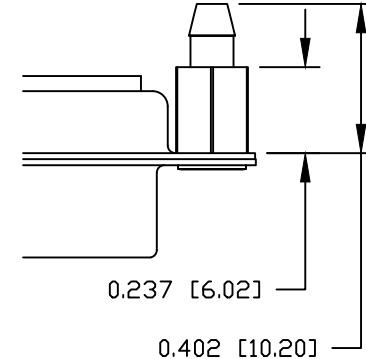
0 ..... NO HARDWARE



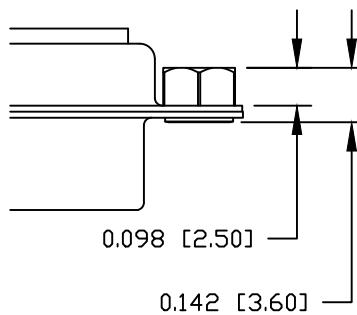
2 ..... 0.236" PCB SIDE



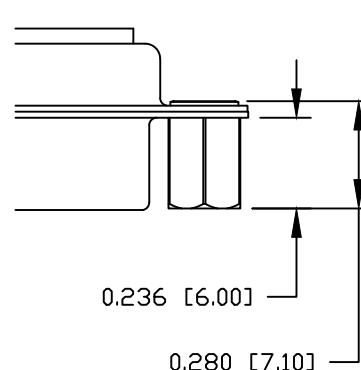
4 ..... 0.237" PCB SIDE



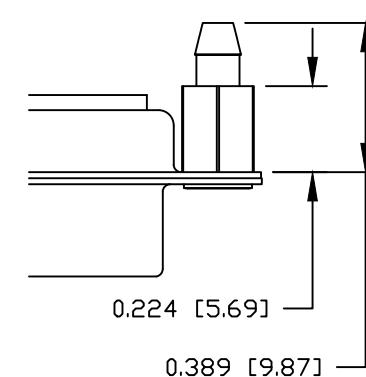
1 ..... 0.098" PCB SIDE



3 ..... 0.236" MATING SIDE



5 ..... 0.224" PCB SIDE



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