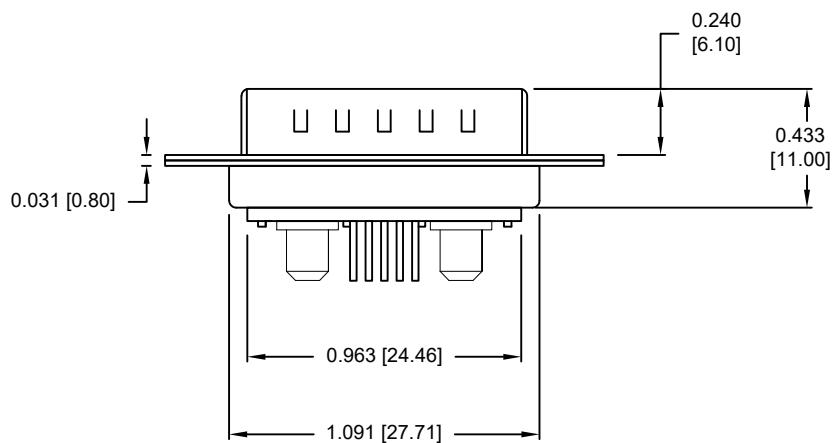
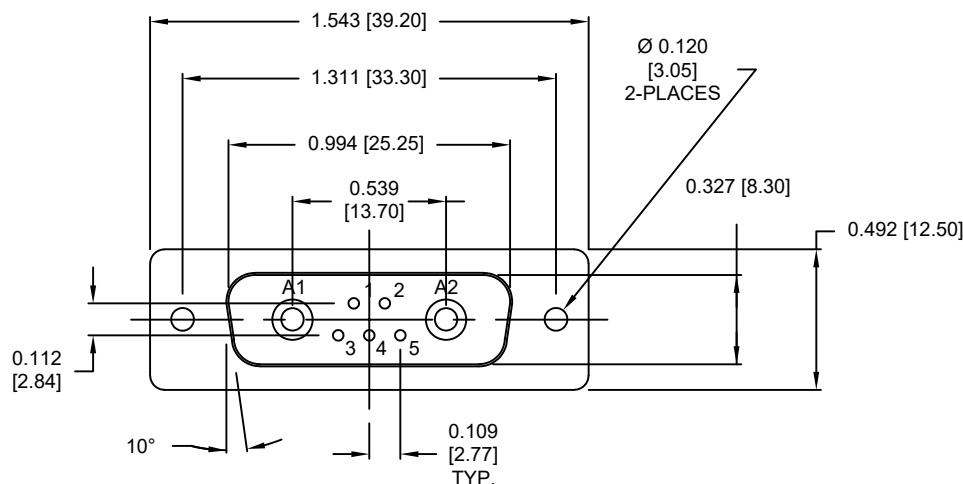


DESCRIPTION: POWER / SIGNAL - VERTICAL - MALE - MACHINED



SEE SHEET 2  
FOR CONTACT DIMENSION DETAILS

SPECIFICATIONS:

ELECTRICAL:

INSULATION RESISTANCE: 5 GOhms MIN.  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VAC FOR 1 MIN  
WORKING VOLTAGE: 250V  
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.  
HARDWARE: NICKEL PLATED STEEL  
NICKEL PLATED BRASS

681M7W2103LYYY

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 \_\_\_\_\_

UNITS = inches [mm]

DO NOT SCALE FROM DRAWING



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DRAWN:

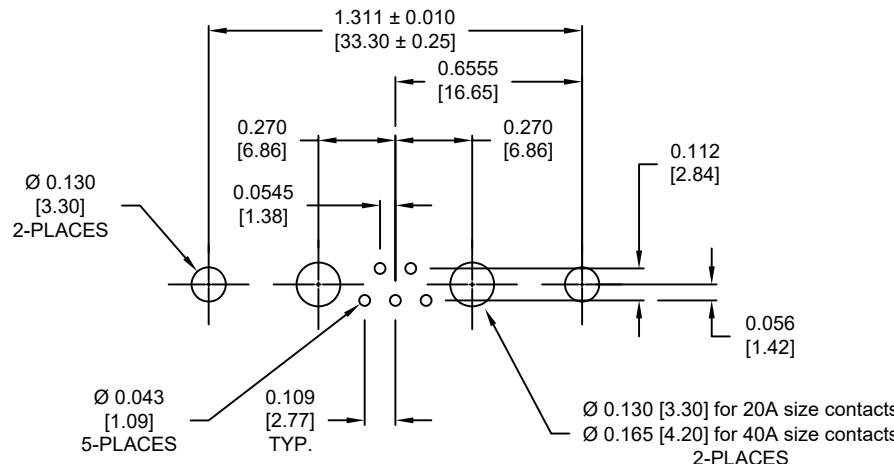
P. JENKINS

DATE:

08/22/2011

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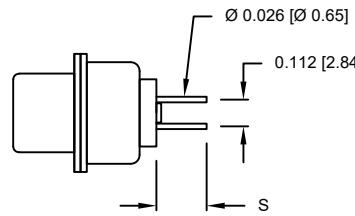
SCALE:	NTS	SHEET	OF	REV
DWG NO.				5
681M7W2103LYYY				



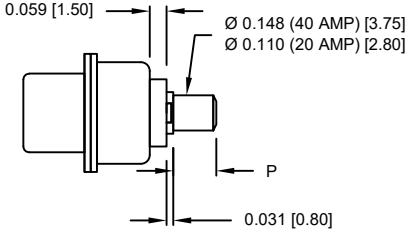
NOTE:  
SIGNAL AND POWER CONTACTS  
COME PRE-LOADED INTO INSULATORS

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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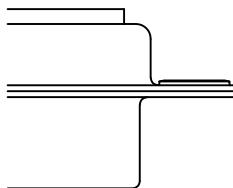
*NorComp*

SCALE: NTS	SHEET 2	OF 3	REV 5
DWG NO. 681M7W2103YYYY			

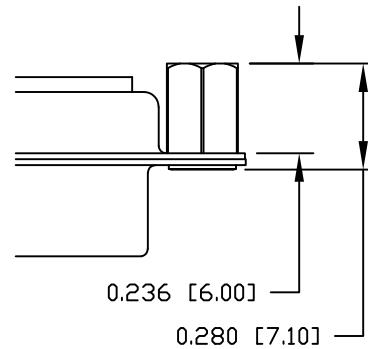
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:  
ALL DIMENSIONS ARE  $\pm 0.010$

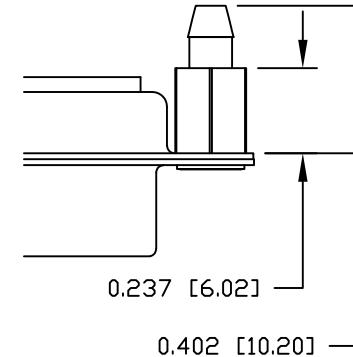
0 ..... NO HARDWARE



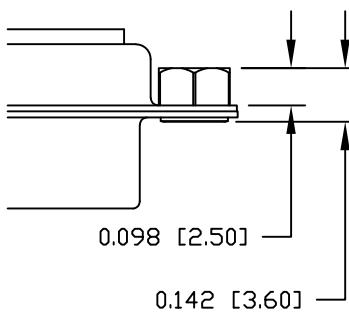
2 ..... 0.236" PCB SIDE



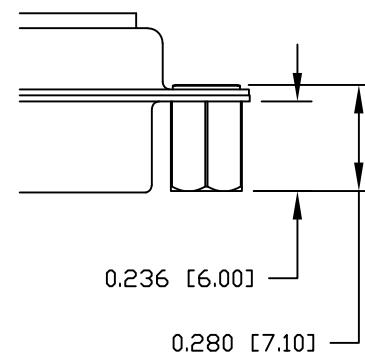
4 ..... 0.237" PCB SIDE



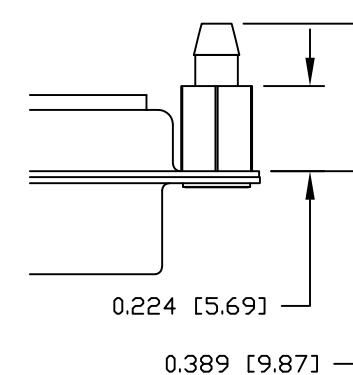
1 ..... 0.098" PCB SIDE



3 ..... 0.236" MATING SIDE



5 ..... 0.224" PCB SIDE



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DRAWN:

P. JENKINS

DATE:

08/22/2011

UNITS = inches [mm]

DO NOT SCALE FROM DRAWING

NorComp

SCALE:

NTS

DWG NO.

SHEET  
3  
OF  
3REV  
5

681M7W2103YYYY