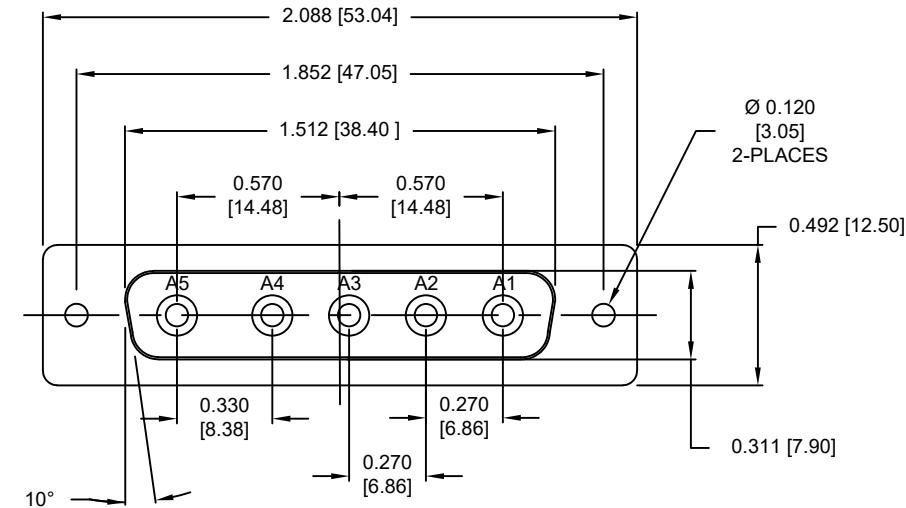


## DESCRIPTION: POWER - VERTICAL - FEMALE - MACHINED



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.
POWER CONTACT AMPERAGE:	SEE P/N KEY
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

681M5W5203LYYY

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

RoHS COMPLIANT



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DRAWN:

M. SIGMON

DATE:  
07/18/2013

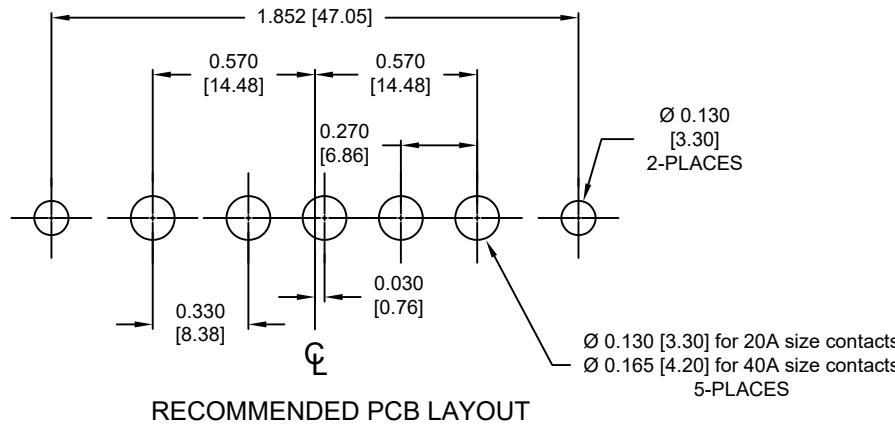
UNITS = inches [mm]

DO NOT SCALE FROM DRAWING

NorComp

SCALE:	NTS	SHEET	OF	REV
DWG NO.		1	3	5

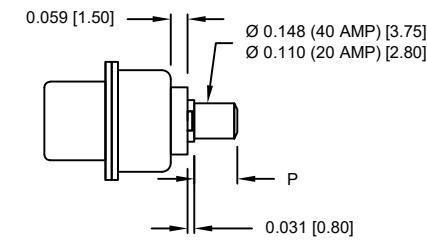
681M5W5203LYYY



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

DIMENSIONS (in/mm)	
OPTION	P
0 & 2	0.177
	4.50
1	0.087
	2.22

POWER CONTACTS



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DRAWN:  
M. SIGMON

DATE:  
07/18/2013

UNITS = inches [mm]

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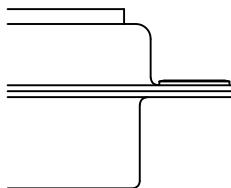
*NorComp*

SCALE: NTS	SHEET 2	OF 3	REV 5
DWG NO. 681M5W5203YYYY			

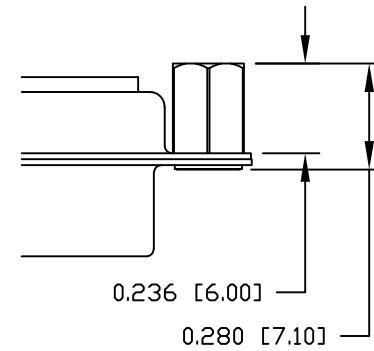
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:  
ALL DIMENSIONS ARE  $\pm 0.010$

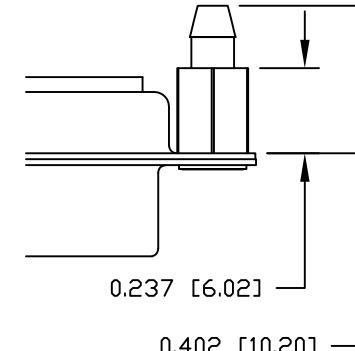
0 ..... NO HARDWARE



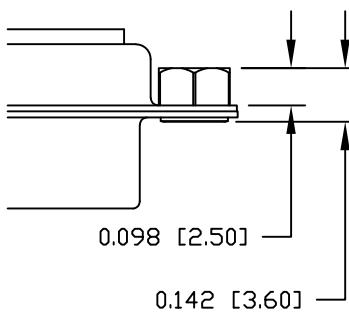
2 ..... 0.236" PCB SIDE



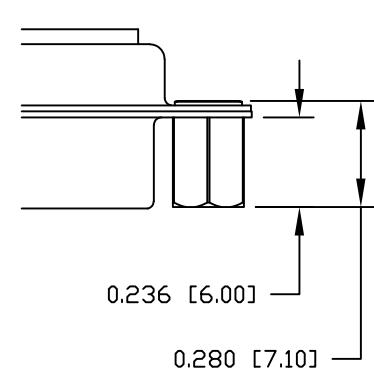
4 ..... 0.237" PCB SIDE



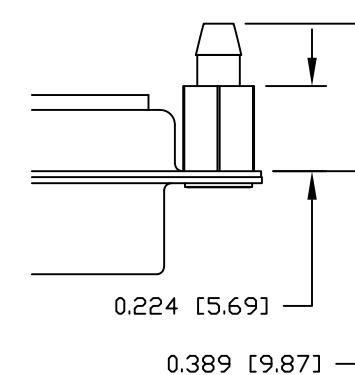
1 ..... 0.098" PCB SIDE



3 ..... 0.236" MATING SIDE



5 ..... 0.224" PCB SIDE



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DO NOT SCALE FROM DRAWING

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SCALE: NTS	SHEET 3	OF 3	REV 5
DWG NO. 681M5W5203YYYY			