

ELECTRICAL:

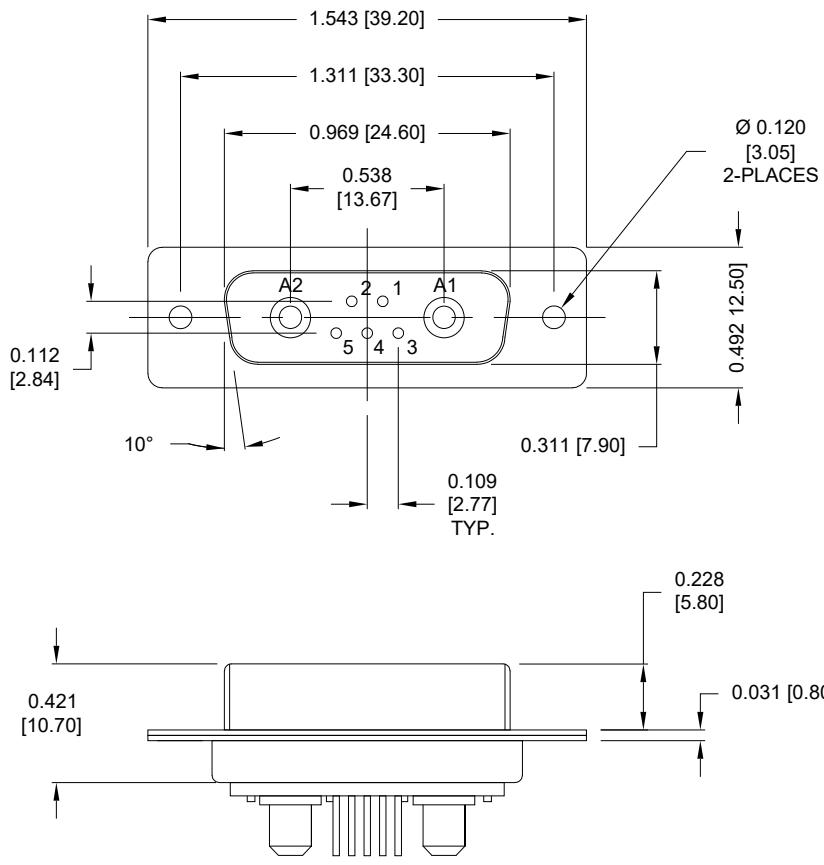
INSULATION RESISTANCE:	5 GOhms MIN.
Dielectric Withstanding Voltage:	1000 VAC FOR 1 MIN
Working Voltage:	250V
Operating Temperature:	-55°C TO +125°C
Power Contact Resistance:	2.0 mOhms MAX.
Signal Contact Resistance:	10 mOhms MAX.
Power Contact Amperage:	SEE P/N KEY
Signal Contact Amperage:	5 AMPS

MECHANICAL:

Contact Insertion Force:	4.5 Kg MAX.
Contact Separation Force:	0.3 Kg MIN.

MATERIALS:

CONTACTS:	COPPER ALLOY
CONTACT PLATING:	SEE P/N KEY
INSULATOR:	PBT UL94V-0 RATED
	230°C PROCESS TEMP.
SHELL:	NICKEL PLATED STEEL
HARDWARE:	NICKEL PLATED BRASS



SEE SHEET 2
FOR CONTACT DIMENSION DETAILS

681M7W2203LYYY

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
2 = 30μ" GOLD PLATING

UNITS = inches [mm]

DO NOT SCALE FROM DRAWING



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DRAWN:

M. SIGMON

DATE:

07/18/2013

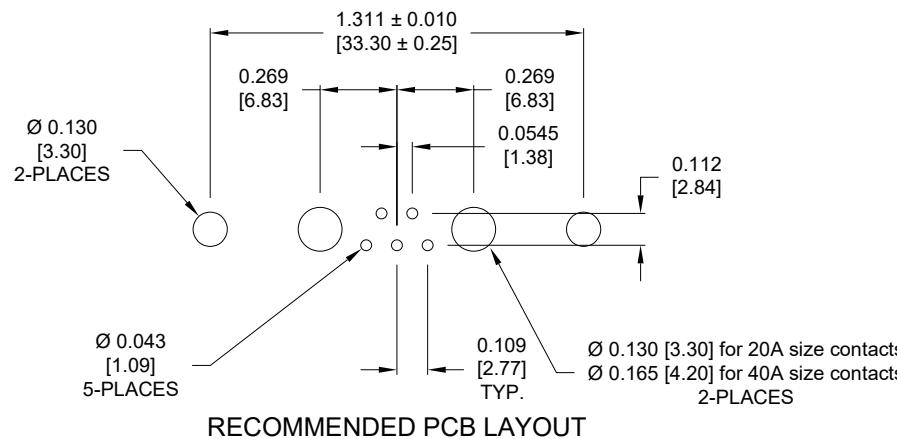
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DWG NO.

681M7W2203LYYY

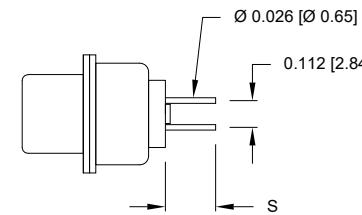
RoHS COMPLIANT



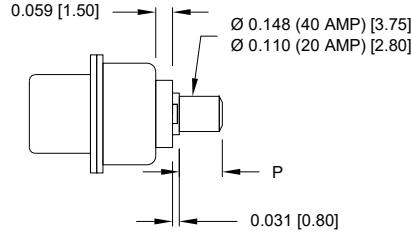
NOTE:
SIGNAL AND POWER CONTACTS
COME PRE-LOADED INTO INSULATORS

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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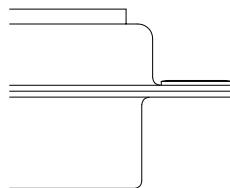
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SCALE: NTS	SHEET 2	OF 3	REV 6
DWG NO. 681M7W2203YYYY			

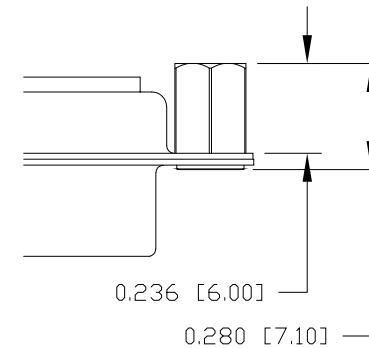
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ± 0.010

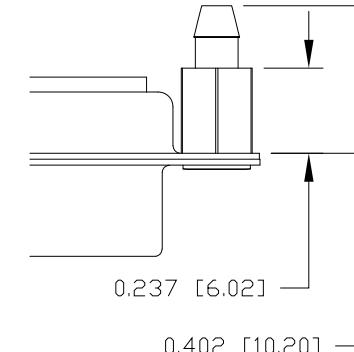
0 NO HARDWARE



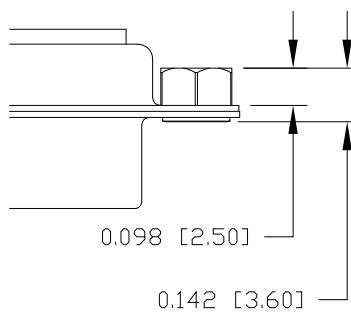
2 0.236" PCB SIDE



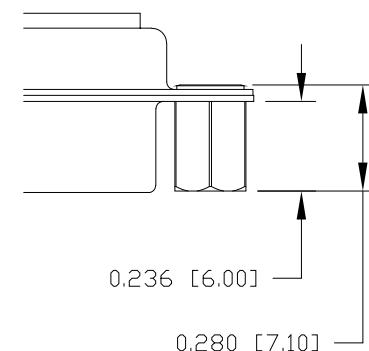
4 0.237" PCB SIDE



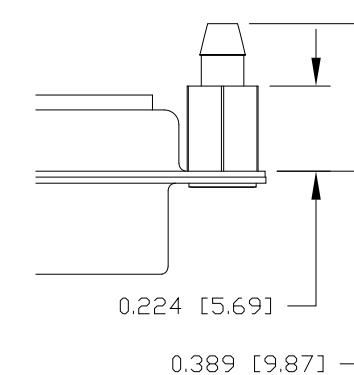
1 0.098" PCB SIDE



3 0.236" MATING SIDE



5 0.224" PCB SIDE



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