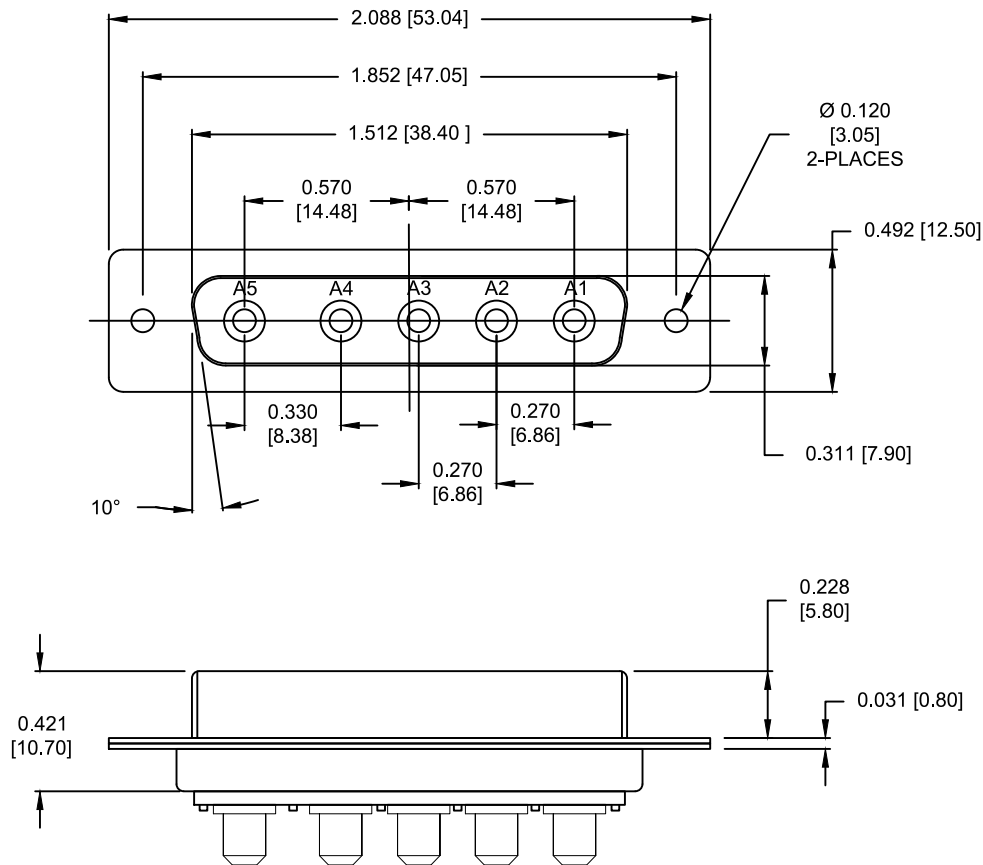


SPECIFICATIONS:

ELECTRICAL:	
INSULATOR RESISTANCE:	5 GΩ MIN.
WORKING VOLTAGE:	250V
OPERATING TEMPERATURE:	-55°C TO +125°C
POWER CONTACT RESISTANCE:	1.0 mΩ 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
	230°C PROCESS TEMP.
SHELL:	NICKEL PLATED STEEL
BRACKET:	NICKEL PLATED STEEL
BOARD LOCK:	NICKEL PLATED BRASS



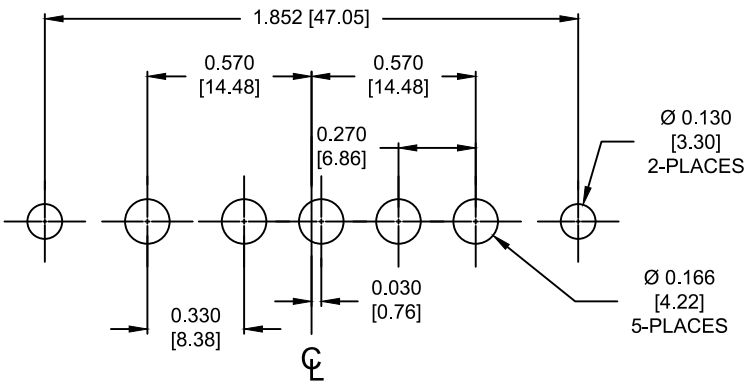
SEE SHEET 2
FOR CONTACT DIMENSION DETAILS

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

UNITS = inches [mm] DO NOT SCALE FROM DRAWING

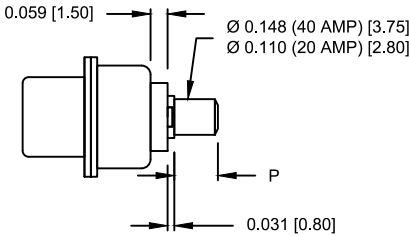


RECOMMENDED PCB LAYOUT

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



RoHS COMPLIANT



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DRAWN:
M. SIGMON

DATE:
07/18/2013

UNITS = inches [mm]

DO NOT SCALE FROM DRAWING

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SCALE:
NTS

SHEET 2 OF 3

REV 2

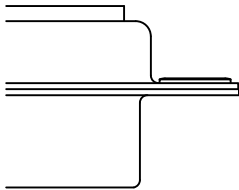
DWG NO.

681M5W5203LYYY

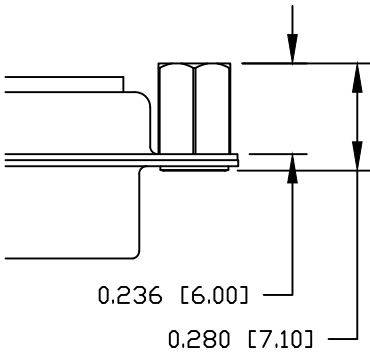
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

TOLERANCE:
ALL DIMENSIONS ARE ±0.010

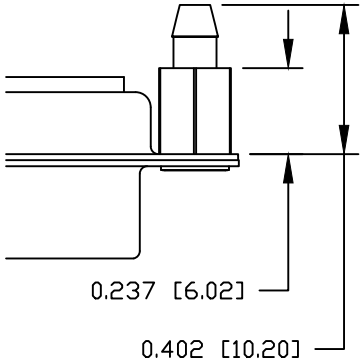
0 NO HARDWARE



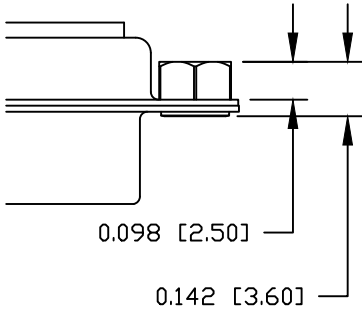
2 0.236" PCB SIDE



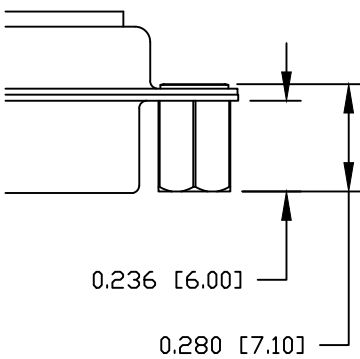
4 0.237" PCB SIDE



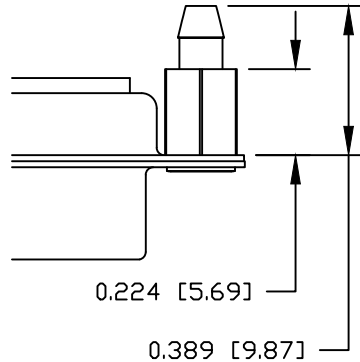
1 0.098" PCB SIDE



3 0.236" MATING SIDE





5 0.224" PCB SIDE



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		DATE: 07/18/2013

	SCALE: NTS	SHEET 3	OF 3	REV 2
	DWG NO. 681M5W5203LYYY			