SPECIFICATIONS:

ELECTRICAL:

INSLUATOR RESISTANCE: 5 G Ω 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.

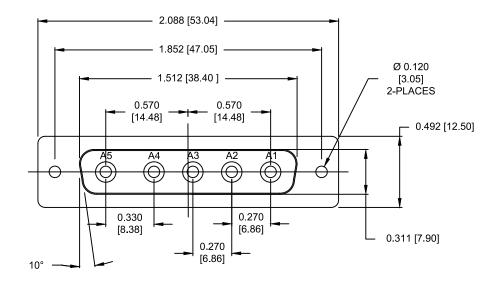
MATERIALS:

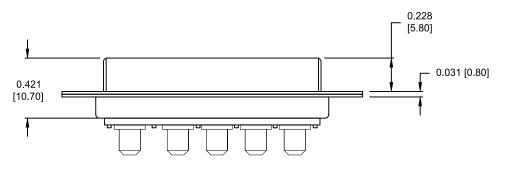
CONTACTS: COPPER ALLOY, GOLD FLASH

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



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DRAWN:

M. SIGMON

DATE:

07/18/2013

UNITS = inches [mm]

DO NOT SCALE FROM DRAWING



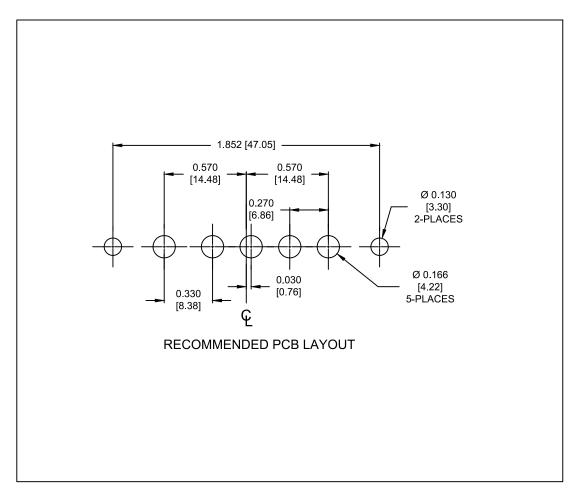
SCALE: SHEET NTS

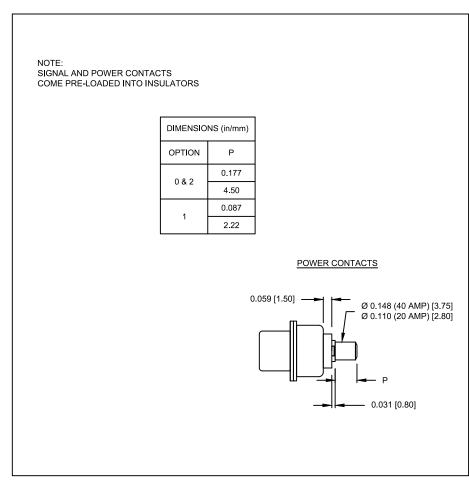
DWG NO.

681M5W5203LYYY

OF

REV





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M

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M. SIGMON

DATE: 07/18/2013

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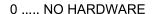
SCALE: SHEET OF REV 2 3 2

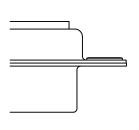
DWG NO. 681M5W5203LYYY

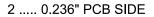
ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

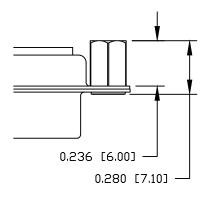
TOLERANCE:

ALL DIMENSIONS ARE ±0.010

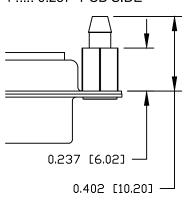




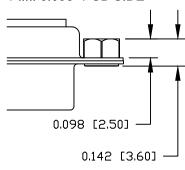




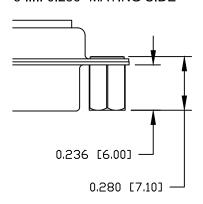
4 0.237" PCB SIDE



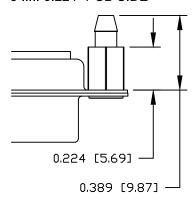
1 0.098" PCB SIDE



3 0.236" MATING SIDE



5 0.224" PCB SIDE



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DWG NO.	681M5\	N52	03LYYY	
NTS	3		3	2
SCALE:	SHEET	OF		REV

Mouser Electronics

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NorComp: 681M5W5203L001