

Customer Information Sheet

DRAWING No.: M300-2250396F2

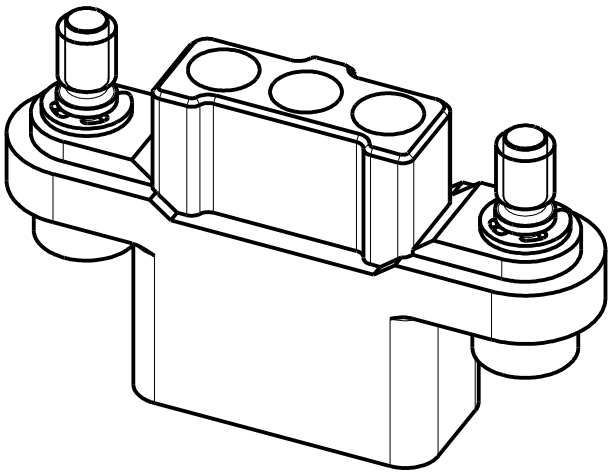
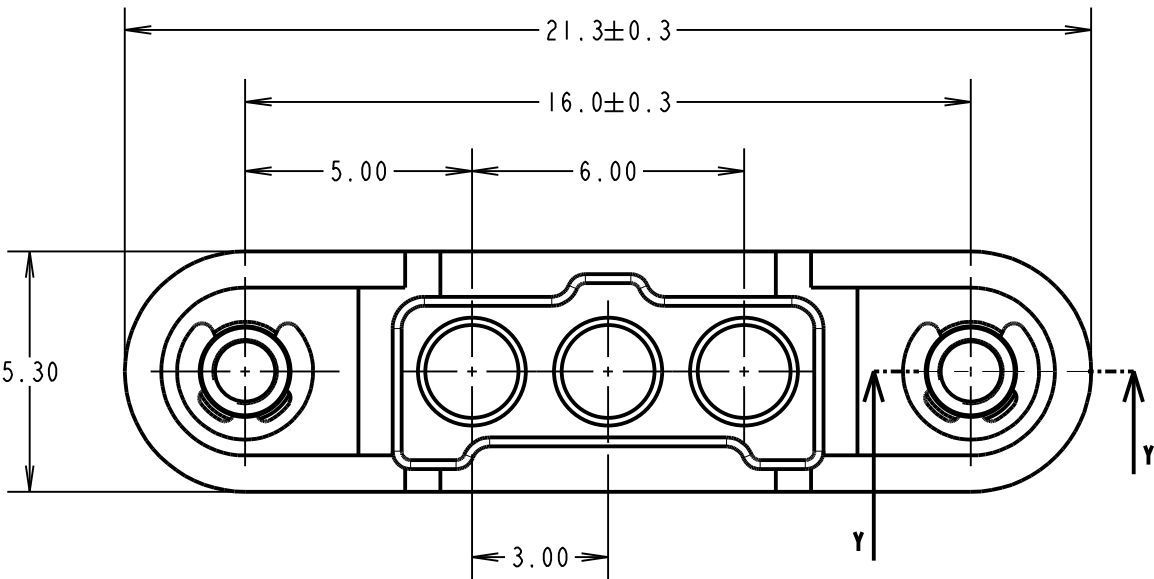
IF IN DOUBT - ASK

(C)

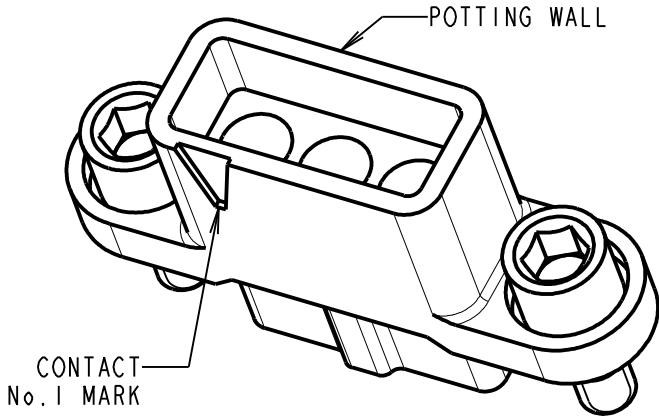
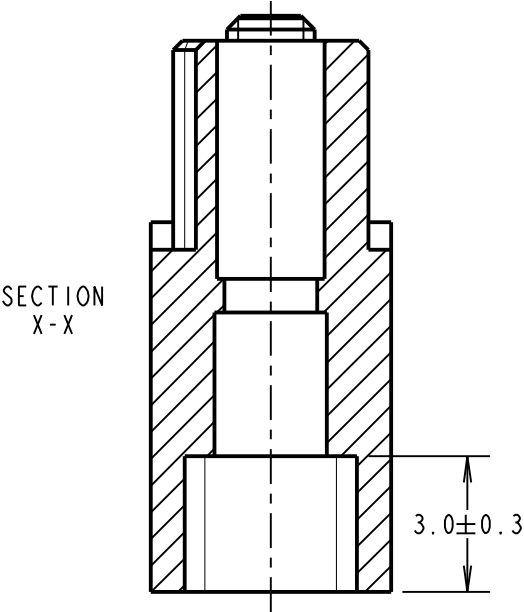
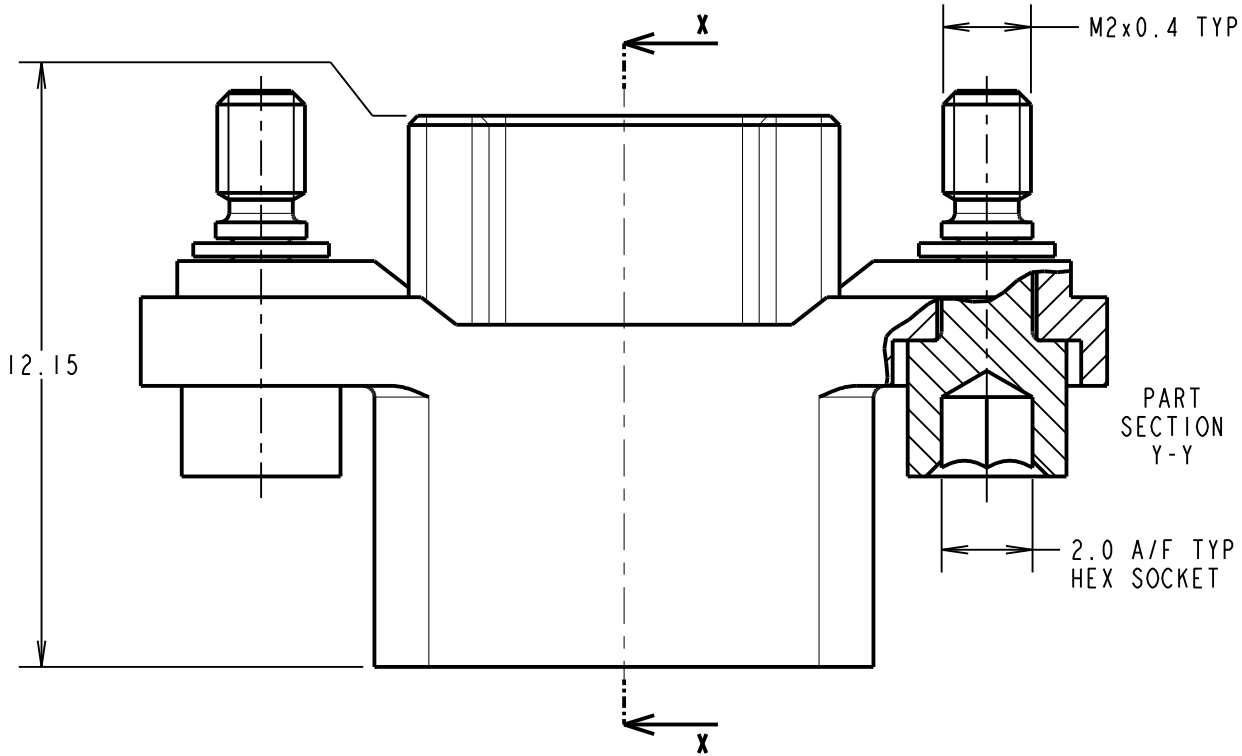
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SPECIFICATIONS:
MATERIAL:
MOULDING = GLASS-FILLED PA46 UL94V-0, GREEN
CONTACT CLIP = BERYLLIUM COPPER
CONTACT SHELL = BRASS
JACKSCREW, CIRCLIP = STAINLESS STEEL
FINISH (ALL OVER NICKEL):
0.10/17µ GOLD CLIP, 0.25/0.30µ GOLD SHELL
ELECTRICAL:
CURRENT RATING:
5A MAX WITH 22 AWG M300-0020045 CONTACTS
10A MAX WITH 18 AWG M300-0010045 CONTACTS
WORKING VOLTAGE = 600V AC/DC
VOLTAGE PROOF = 1800V AC/DC
CONTACT RESISTANCE = 6mΩ MAX
INSULATION RESISTANCE = 100MΩ MIN
MECHANICAL:
DURABILITY = 1000 OPERATIONS
INSERTION FORCE (Ø1.0mm GAUGE) = 9.0N MAX
WITHDRAWAL FORCE (Ø1.0mm GAUGE) = 1.0N MIN
ENVIRONMENTAL:
TEMPERATURE RANGE = -65°C TO +175°C
PACKING:
BAG
FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C048XX (LATEST ISSUE)



- NOTES:
- FOR USE WITH M300-0010045 & M300-0020045 CONTACTS (NOT INCLUDED).
M300-0010045 CONTACTS ARE SUITABLE FOR WIRE GAUGE 18 & 20 AWG.
MAXIMUM INSULATION DIAMETER Ø1.80mm.
M300-0020045 CONTACTS ARE SUITABLE FOR WIRE GAUGE 22 AWG.
MAXIMUM INSULATION DIAMETER Ø1.40mm.
BS3G210 TYPE A WIRE RECOMMENDED.
 - RECOMMENDED CRIMP TOOL = M22520/2-01, POSITIONER = Z80-058,
 - FOR INSTRUCTIONS ON HAND CRIMP TOOL M22520/2-01, SEE INSTRUCTION SHEET IS-01, STRIP WIRE BY 2.00mm FOR CRIMPING.
 - RECOMMENDED MATING PIN SIZE = Ø1.05-0.90mm.

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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: 1mm POWER CONNECTOR
SIL CRIMP HOUSING WITH
POTTING WALL FEMALE ASSEMBLY

DRAWING NUMBER:

M300-2250396F2

SHT
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OF
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MSP	2	28.07.15	13022
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			