

Customer Information Sheet

DRAWING No.: M300-3250396M1

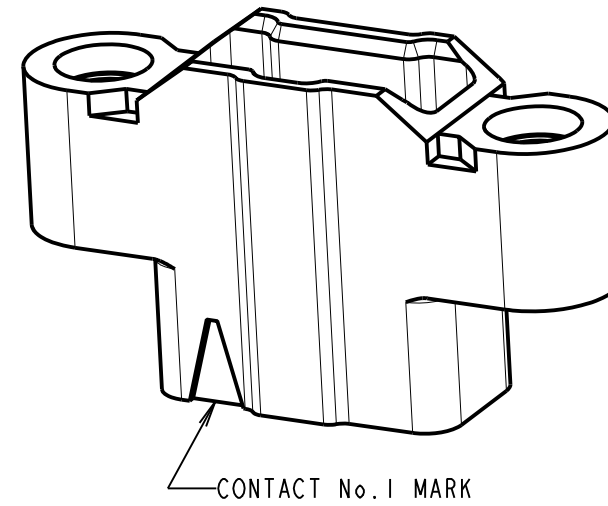
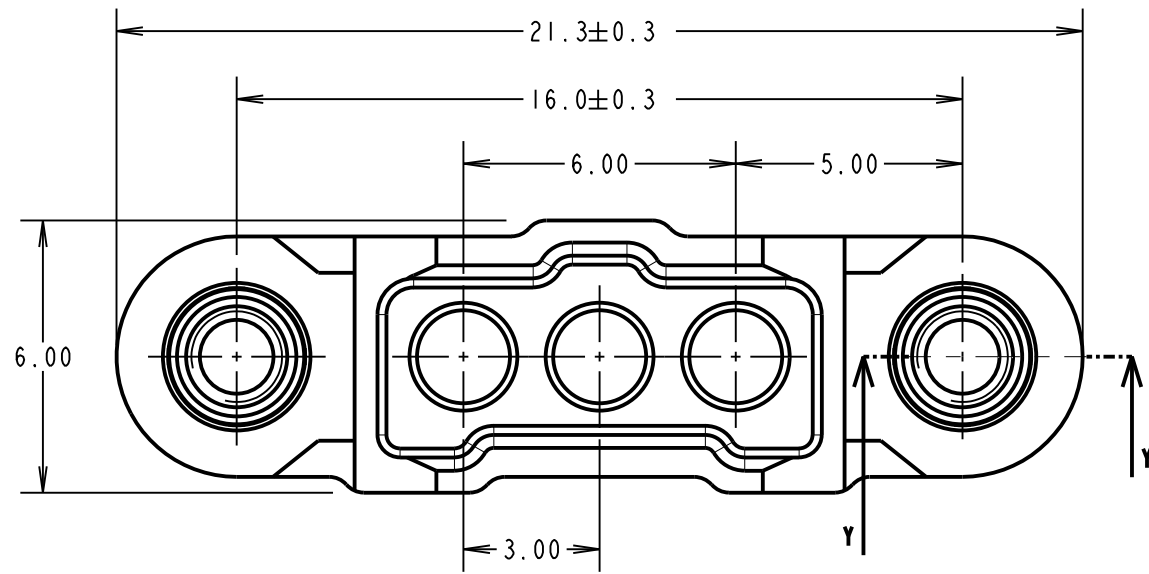
IF IN DOUBT - ASK

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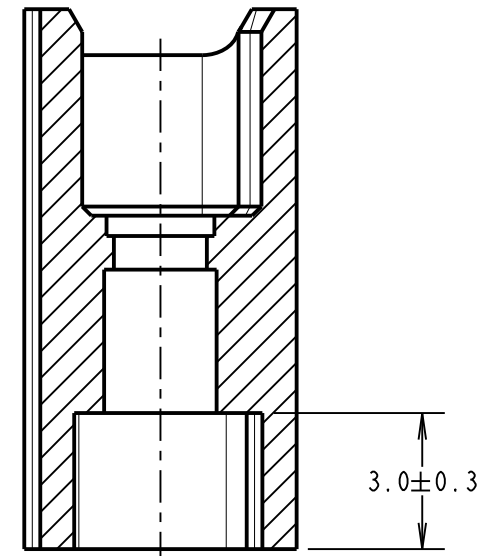
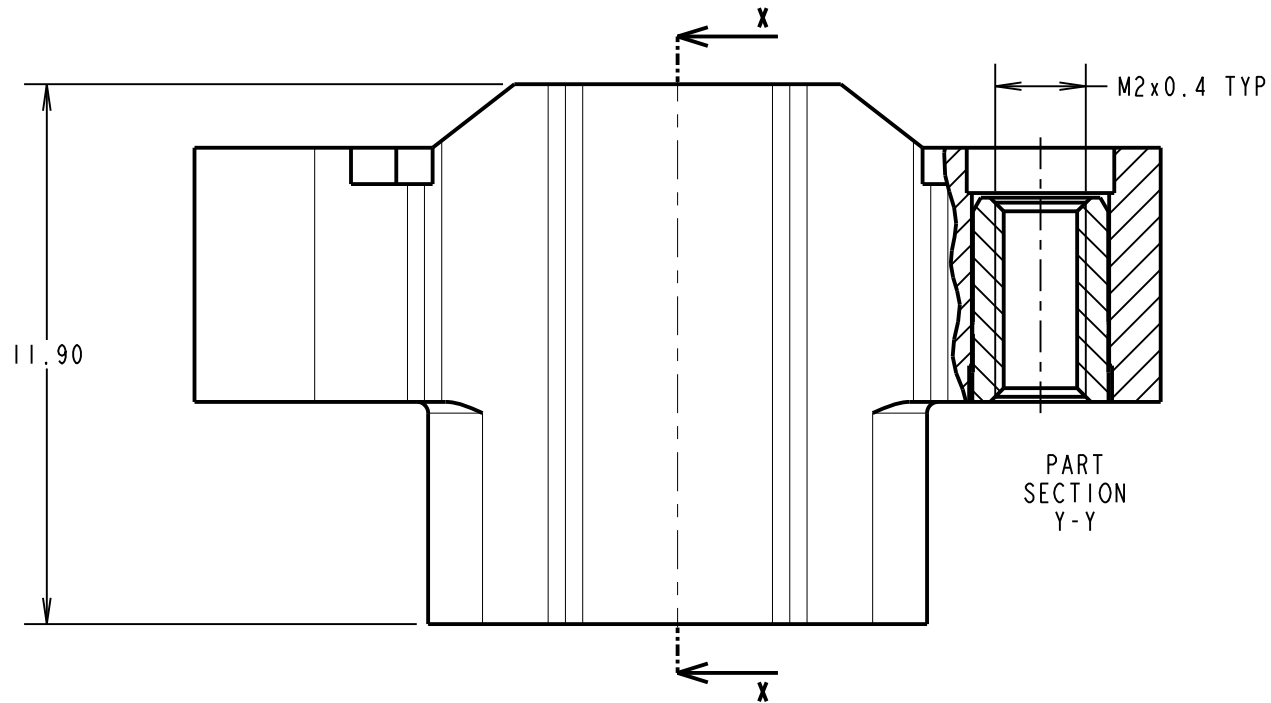
NOT TO SCALE

THIRD ANGLE PROJECTION

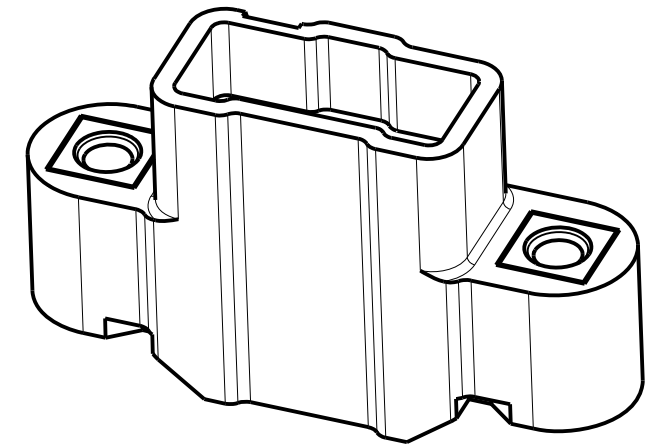
ALL DIMENSIONS IN mm



SPECIFICATIONS:
 MATERIAL:
 MOULDING = GLASS-FILLED PA46 UL94V-0, GREEN
 CONTACT = BRASS
 JACKSCREW = STAINLESS STEEL
 FINISH:
 CONTACT = 0.25-0.3µ GOLD OVER NICKEL
 ELECTRICAL:
 CURRENT RATING:
 5A MAX WITH 22 AWG M300-1020045 CONTACTS
 10A MAX WITH 18 AWG M300-1010045 CONTACTS
 WORKING VOLTAGE = 400V AC/DC
 VOLTAGE PROOF = 1200V AC/DC
 CONTACT RESISTANCE = 25 mΩ MAX
 INSULATION RESISTANCE = 100 MΩ MIN
 MECHANICAL:
 DURABILITY = 1000 OPERATIONS
 INSERTION FORCE (∅1.0mm GAUGE) = 9.0N MAX
 WITHDRAWAL FORCE (∅1.0mm GAUGE) = 1.0N MIN
 ENVIRONMENTAL:
 TEMPERATURE RANGE = -65°C TO +175°C
 PACKING:
 BAG
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C048XX (LATEST ISSUE)



SECTION X-X



NOTES:

- FOR M300-1010045 AND M300-1020045 CONTACTS (NOT INCLUDED). M300-0010045 CONTACTS ARE SUITABLE FOR WIRE GAUGE 18 & 20 AWG. MAXIMUM INSULATION DIAMETER ∅1.80mm. M300-0020045 CONTACTS ARE SUITABLE FOR WIRE GAUGE 22 AWG. MAXIMUM INSULATION DIAMETER ∅1.40mm. 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 = ∅1.05-0.90mm.

MGP	A	16.10.14	12630
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SF			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
 technical@harwin.com

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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 MALE ASSEMBLY

DRAWING NUMBER:
M300-3250396M1

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