

Customer Information Sheet

DRAWING No.: M300-2240696F2

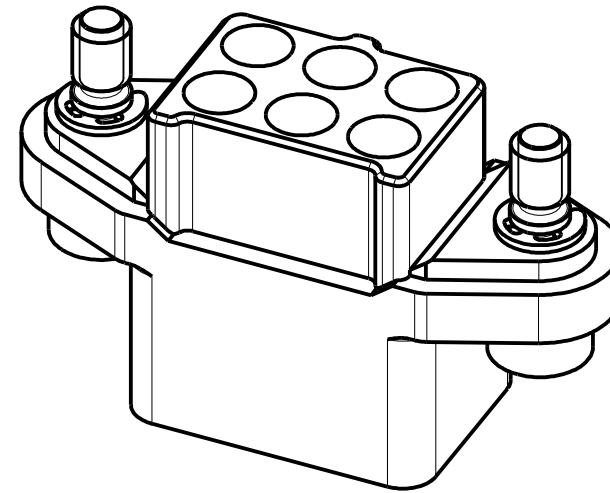
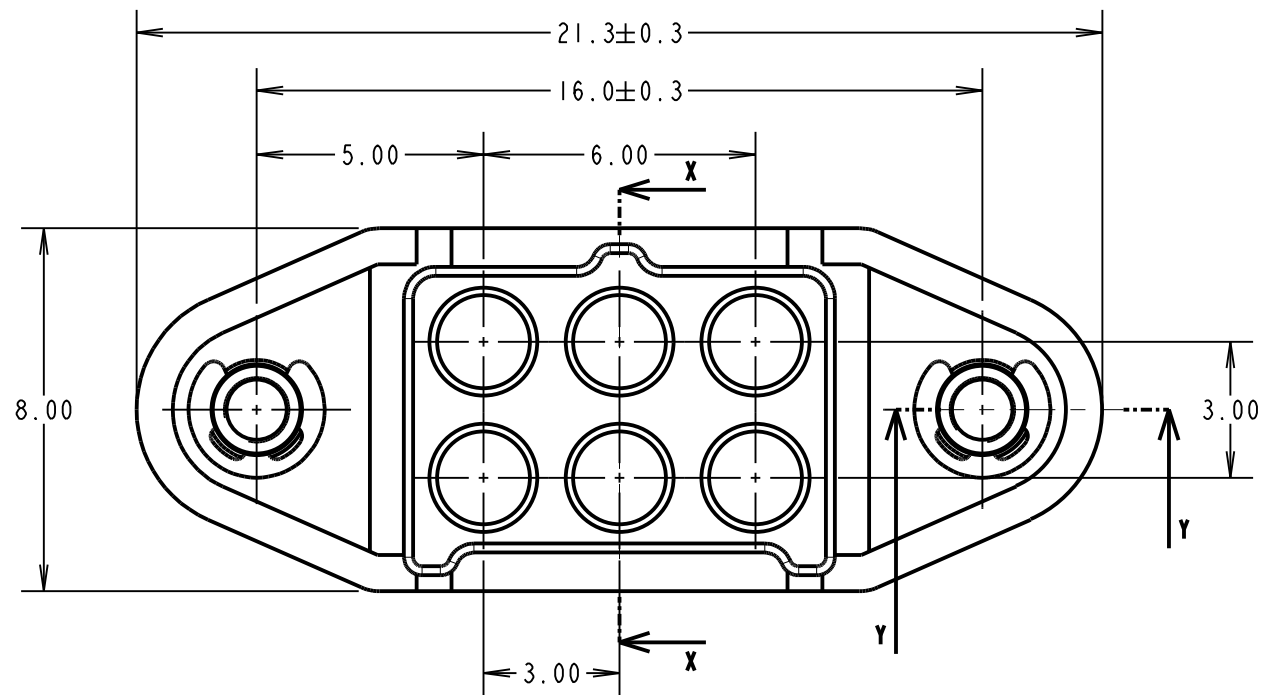
IF IN DOUBT - ASK

©

NOT TO SCALE

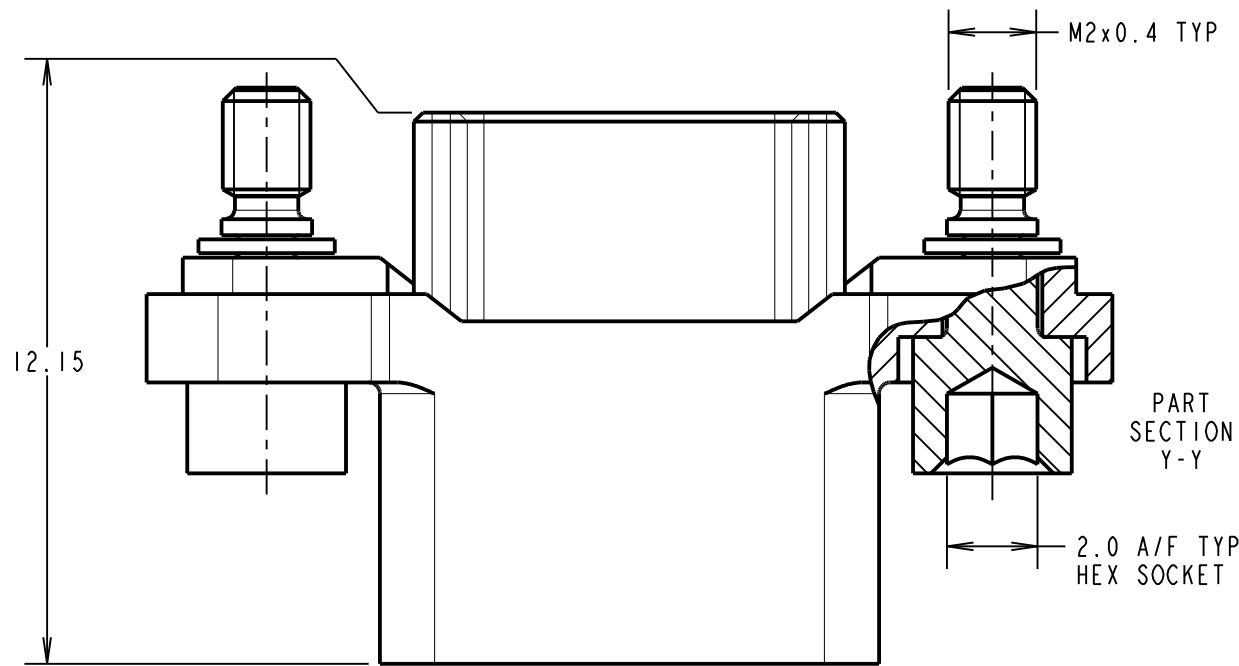
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

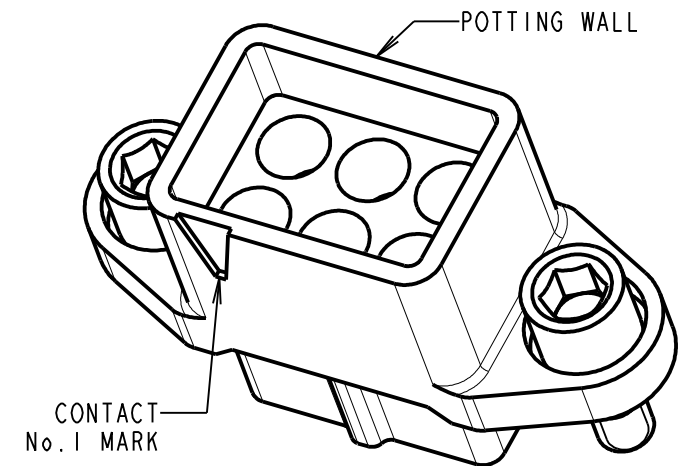
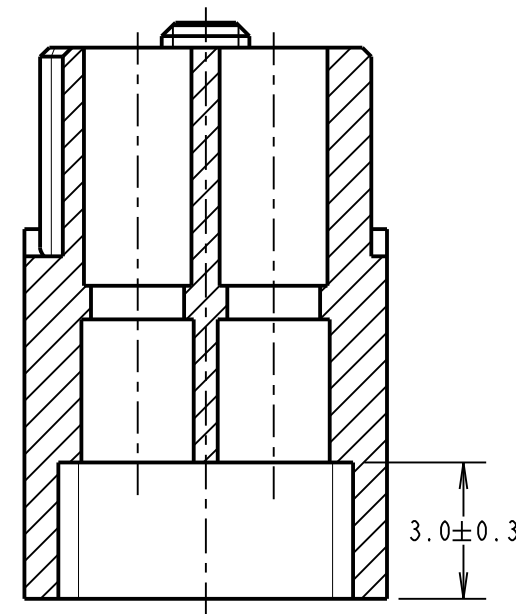


SPECIFICATIONS:

MATERIAL:
 MOULDING = GLASS-FILLED PA46 UL94V-0, GREEN
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = BRASS
 JACKSCREW, CIRCLIP = STAINLESS STEEL
FINISH (ALL OVER NICKEL):
 0.10/0.17µ 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 (∅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 USE WITH M300-0010045 & M300-0020045 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.

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:			

HARWIN

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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
 DIL CRIMP HOUSING WITH
 POTTING WALL FEMALE ASSEMBLY
DRAWING NUMBER:
M300-2240696F2
 SHT 2 OF 2

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