

Customer Information Sheet

DRAWING No.: M300-3241096M1

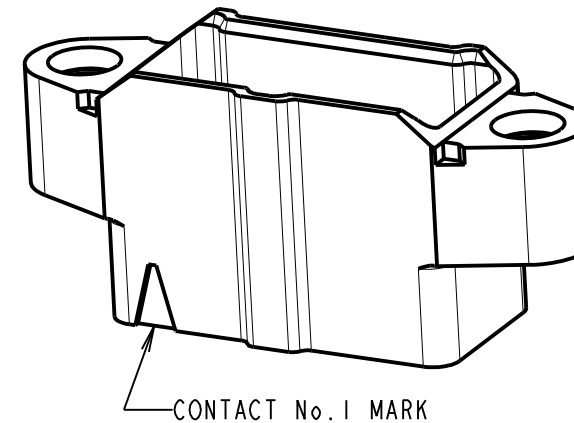
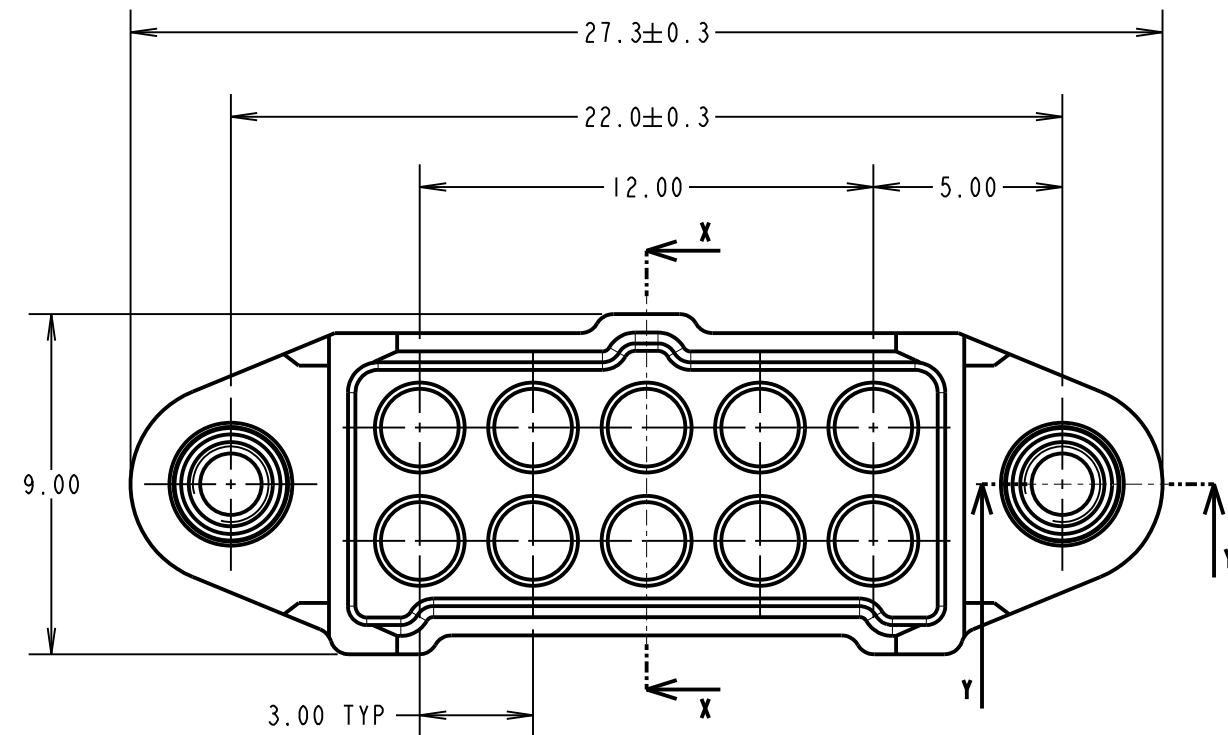
IF IN DOUBT - ASK

©

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 = 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

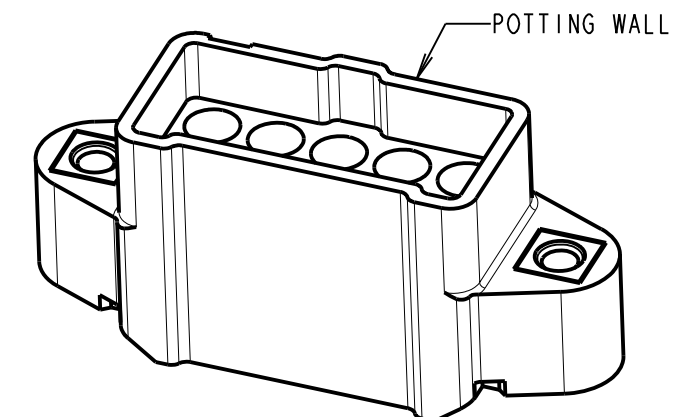
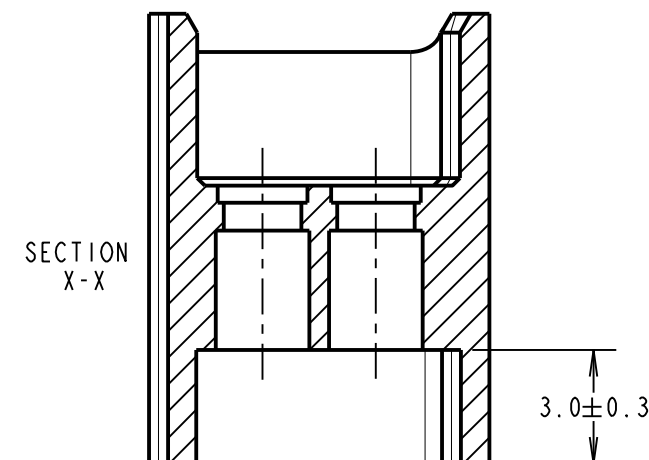
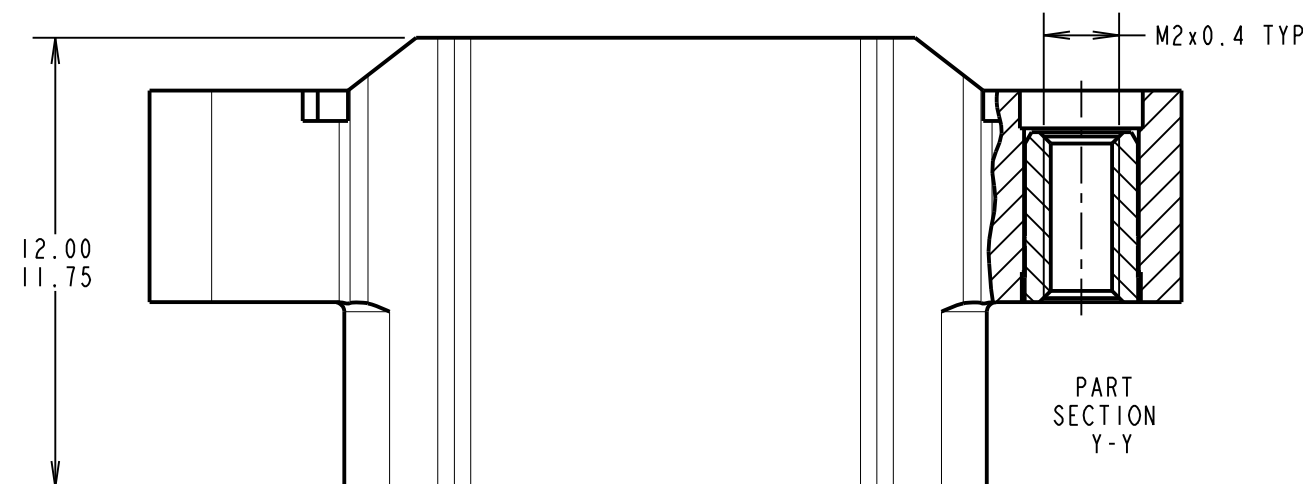
ENVIRONMENTAL:

TEMPERATURE RANGE = -65°C TO +175°C

PACKING:

BAG

FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C048XX (LATEST ISSUE)



NOTES:

- FOR USE WITH M300-1010045 & M300-1020045 CONTACTS (NOT INCLUDED).
M300-1010045 CONTACTS ARE SUITABLE FOR WIRE GAUGE 18 & 20 AWG.
MAXIMUM INSULATION DIAMETER Ø1.80mm.
M300-1020045 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.

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 MALE ASSEMBLY

DRAWING NUMBER:

M300-3241096M1

SHT
2
OF
2

MGP	I	11.12.15	13198
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			