

Customer Information Sheet

DRAWING No.: M80-5D10205M2-02-PM5-00-000

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

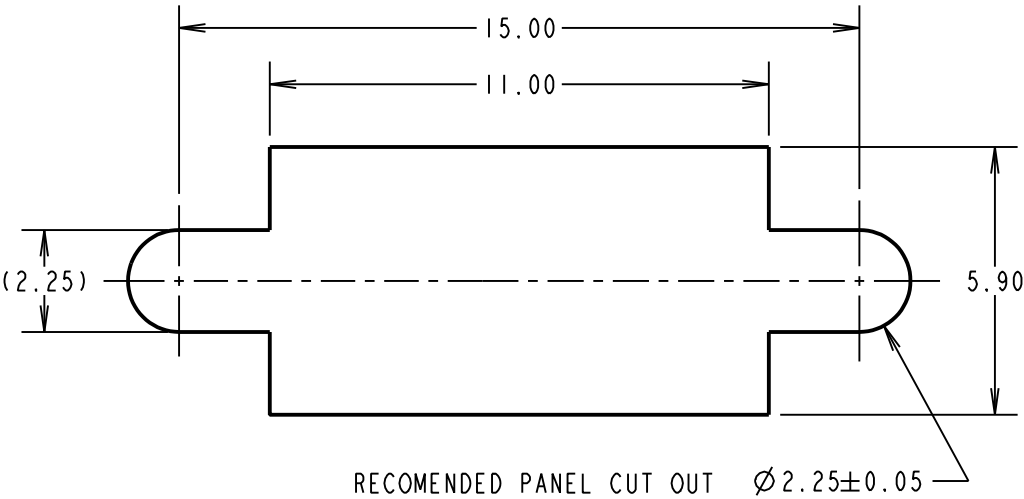
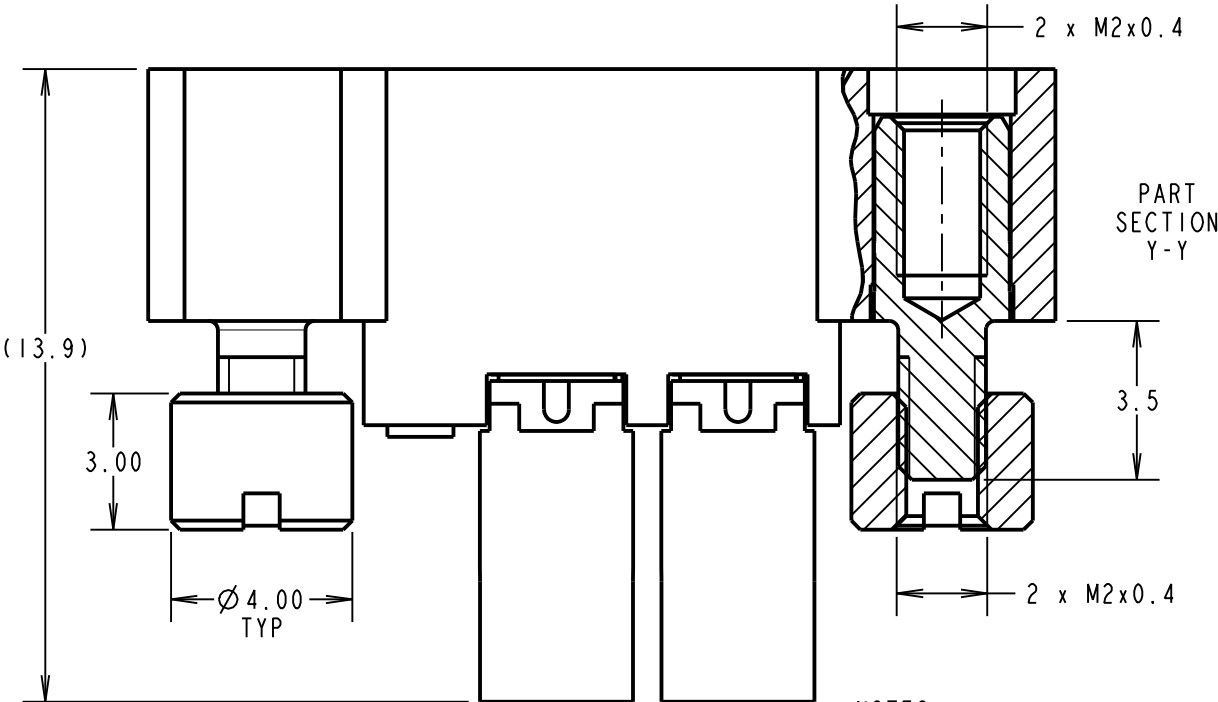
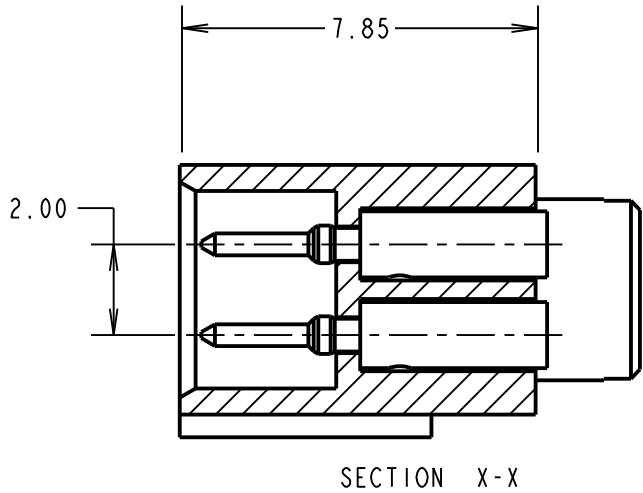
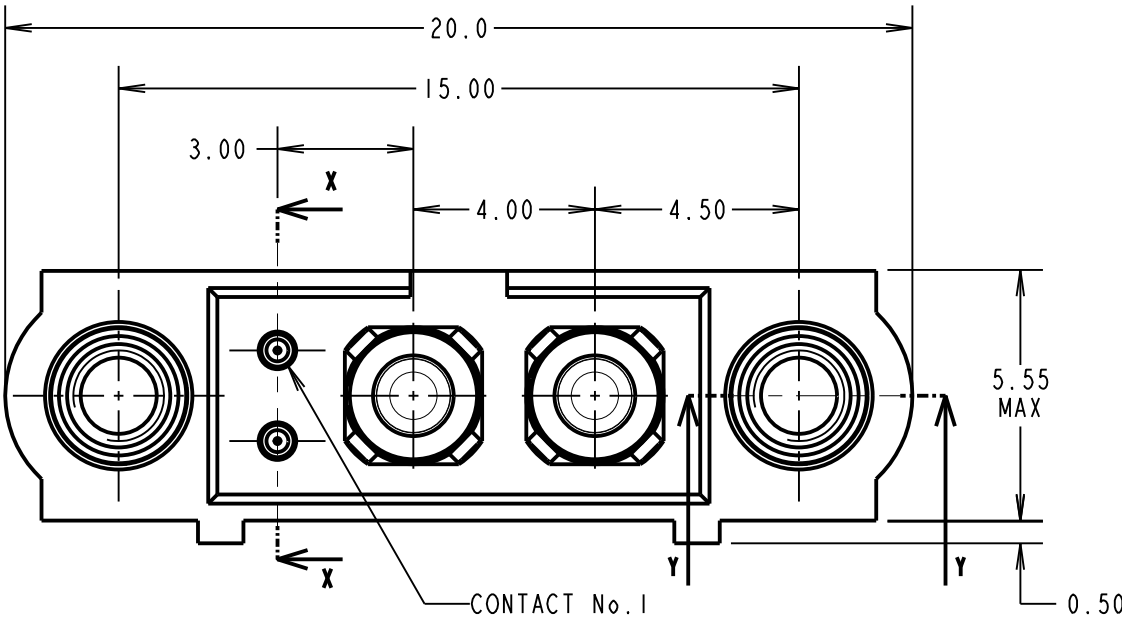
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

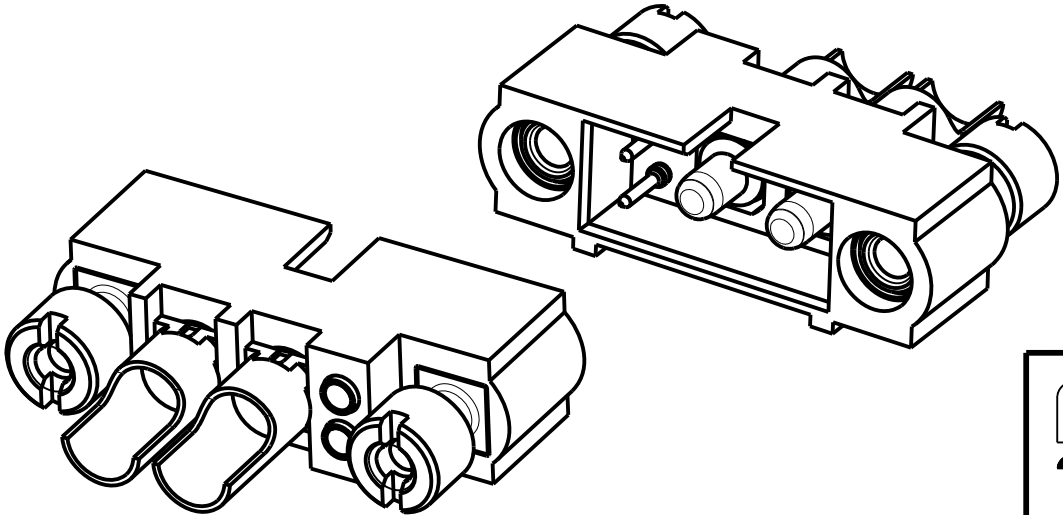
SPECIFICATIONS:

MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
SIGNAL CONTACT: BRASS
POWER CONTACT:
BODY = COPPER ALLOY
LATCHING COLLAR = BERYLIUM COPPER
JACKSCREW: STAINLESS STEEL
FINISH:
SIGNAL CONTACT: 0.25-0.30µ GOLD
POWER CONTACT:
BODY = 0.76µ MIN. GOLD
LATCHING COLLAR = NICKEL
ELECTRICAL:
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
INSULATION RESISTANCE = 100MΩ MIN
SIGNAL CONTACT:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
CONTACT RESISTANCE = 25 mΩ MAX
POWER CONTACT:
CONTACT RESISTANCE 6mΩ MAX
CURRENT RATING = 40A MAX WITH 10AWG
CONTACT AS SPECIFIED

MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 2.0N MAX
WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACT:
INSERTION FORCE = 15N MAX
WITHDRAWAL FORCE = 0.5N MIN
ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C
PACKING:
BAG
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)



- NOTES:
- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE NOT ASSEMBLED AS SHOWN.
 - FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-1940005.
 - RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm FOR CRIMPING.
 - RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-0, WITH POSITIONER Z80-193. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
 - SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
 - FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-PM5.
 - POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.
 - POWER CONTACT EXTRACTION TOOL = Z80-290.
 - INSTRUCTION SHEETS ARE AVAILABLE.



HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

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: JACKSCREW DATAMATE
MIXED TECHNOLOGY
CRIMP MALE ASSEMBLY

DRAWING NUMBER:

M80-5D10205M2-02-PM5-00-000

SHT
2 OF 2

MGP	I	04.09.17	-----
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: M.G.PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Heavy Duty Power Connectors](#) ***category:***

Click to view products by [Harwin](#) ***manufacturer:***

Other Similar products are found below :

[6646137-1](#) [6646138-1](#) [6646940-1](#) [6651091-1](#) [6651525-1](#) [6651529-1](#) [73080254296](#) [73080255059](#) [7310205040001](#) [7487](#) [PS25/A0420/63](#)
[AN0024023](#) [1643543-1](#) [1791340000](#) [NLDFT-3-BL-L-S120-M40A](#) [NLDFT-N-W-L-C240-M40B](#) [NLS-2-R-C240-M40B](#) [NLS-3-BL-C240-](#)
[M40B](#) [NLS-N-W-C240-M40B](#) [NPS-3-BL-T6](#) [C148 10A005 000 9](#) [2-1589900-8](#) [9300480317](#) [19000005132](#) [AN0024202](#) [AN0264023](#) [279-](#)
[0841-10100A](#) [281-0334-00100A](#) [419-2083-301](#) [078238-1613](#) [078238-2910](#) [078239-2912](#) [078239-2910](#) [078239-2911](#) [078239-2913](#)
[09370009946](#) [09305160521](#) [09370240318](#) [1-1104457-5](#) [5352I](#) [73000005327](#) [73000005329](#) [73080956756](#) [73080965056](#) [1926075-1](#)
[6646136-1](#) [6646979-1](#) [1103021-2](#) [NPDFT-3-BL-L-T6](#) [46562-1559](#)