

Customer Information Sheet

DRAWING No.: M80-5D10205M1-02-338-00-000

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

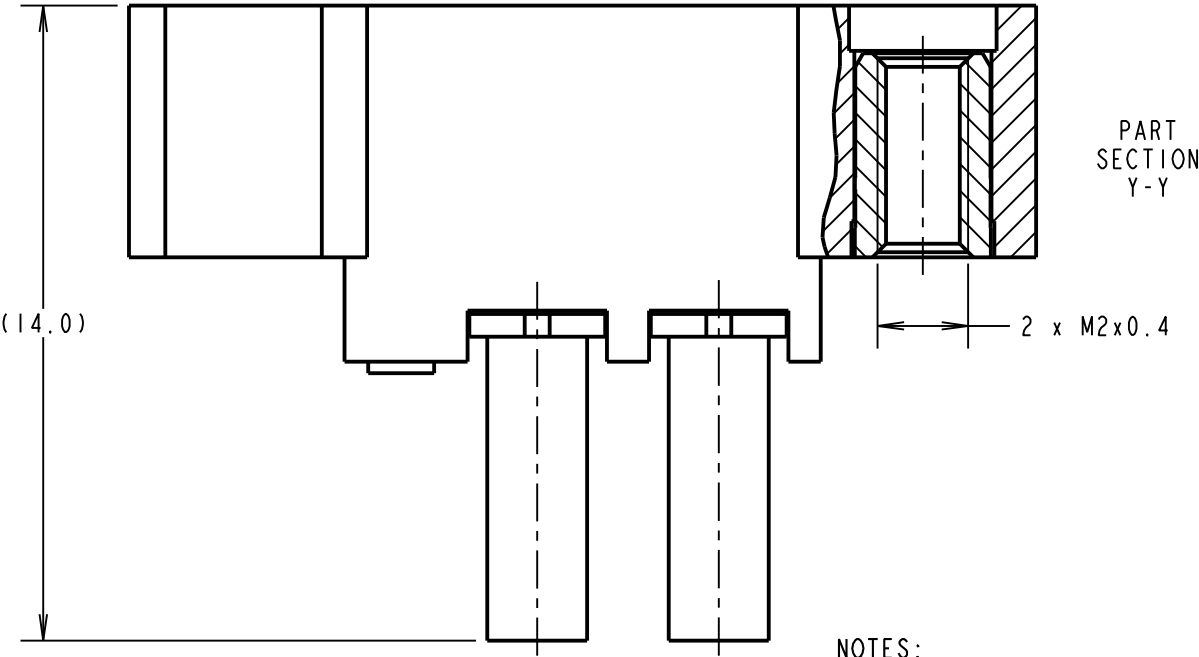
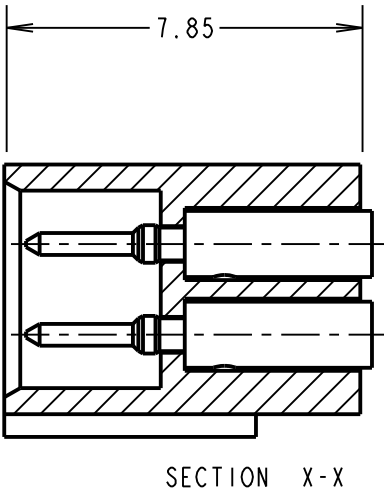
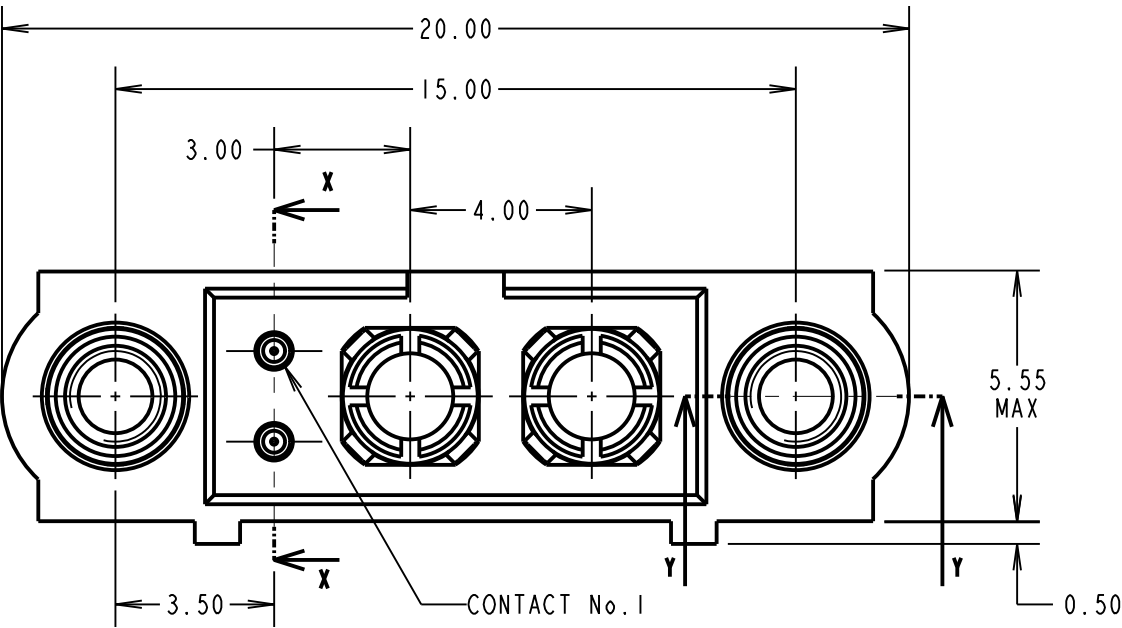
FINISH:
SIGNAL CONTACT: 0.25-0.30µ GOLD
POWER CONTACT:
 BODY = GOLD
 LATCHING COLLAR = NICKEL

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 = 8A MAX WITH 18AWG
 CONTACT AS SPECIFIED

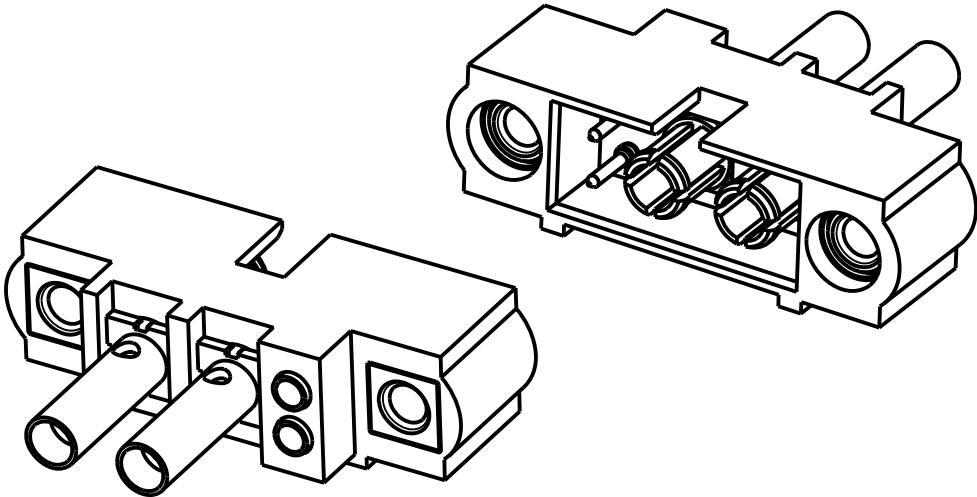
MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
 INSERTION FORCE = 2.0N MAX
 WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACT:
 INSERTION FORCE = 8N MAX
 WITHDRAWAL FORCE = 0.5N MIN

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 M80-338.
 - POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
 - POWER CONTACT EXTRACTION TOOL = Z80-290
 - INSTRUCTION SHEETS ARE AVAILABLE.



MGP	I	08.12.14	----
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: M.G.PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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:
M80-5D10205M1-02-338-00-000

SHT
2 OF 2