

Customer Information Sheet

DRAWING No.: M80-4D1XXXXSI, M80-4D1XXXXSI-00-000-00-000

SHT 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
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = BRASS
 BACKSHELL = ALUMINIUM ALLOY
 BANDIT TIE & J/SCREW = STAINLESS STEEL

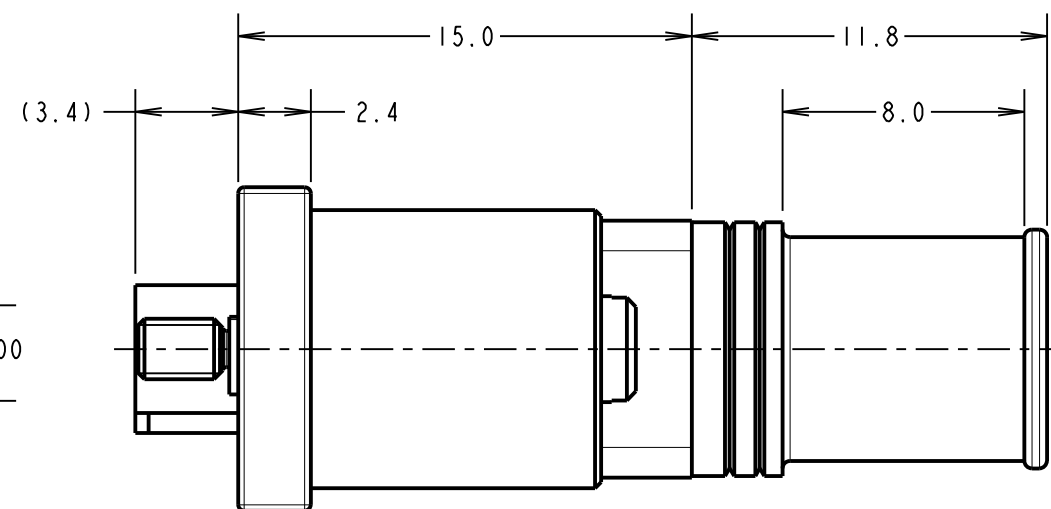
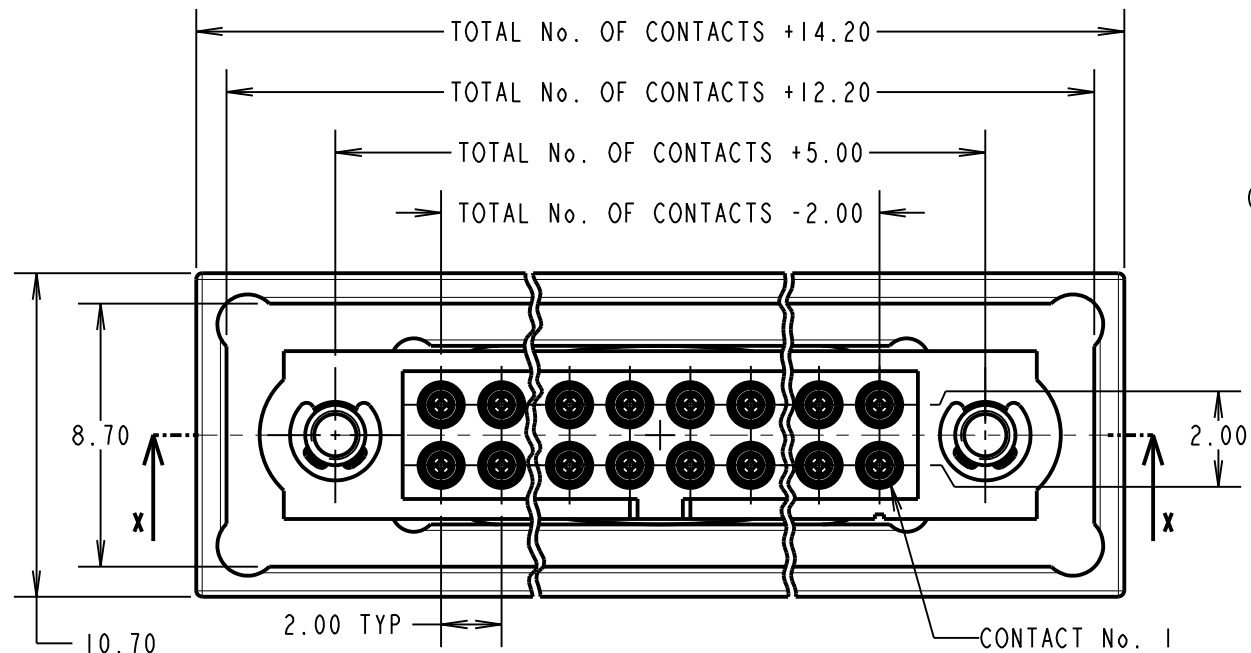
FINISH:
CONTACTS
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL OVER NICKEL
BACKSHELL = NICKEL

ELECTRICAL:
 RF ATTENUATION = 10kHz TO 400MHz @ >30dBs
 IN GENERAL ACCORDANCE WITH MIL STD 1377 (1971)
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 WORKING VOLTAGE = 120V AC/DC
 VOLTAGE PROOF = 360V AC/DC
 CONTACT RESISTANCE = 25 mΩ MAX
 INSULATION RESISTANCE = 100 MΩ MIN

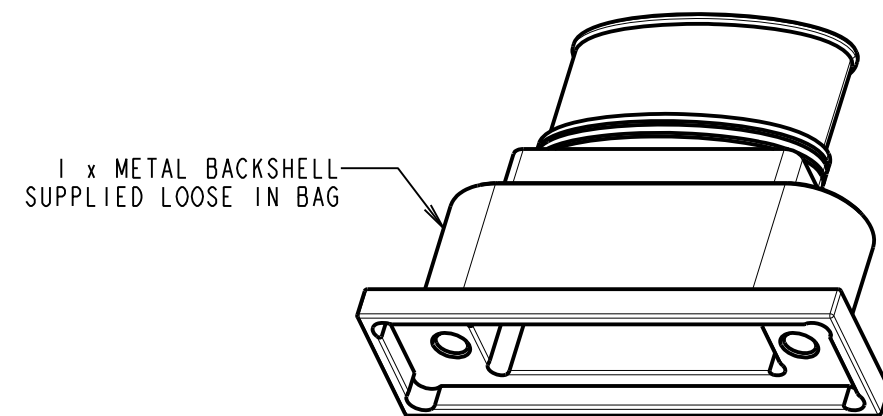
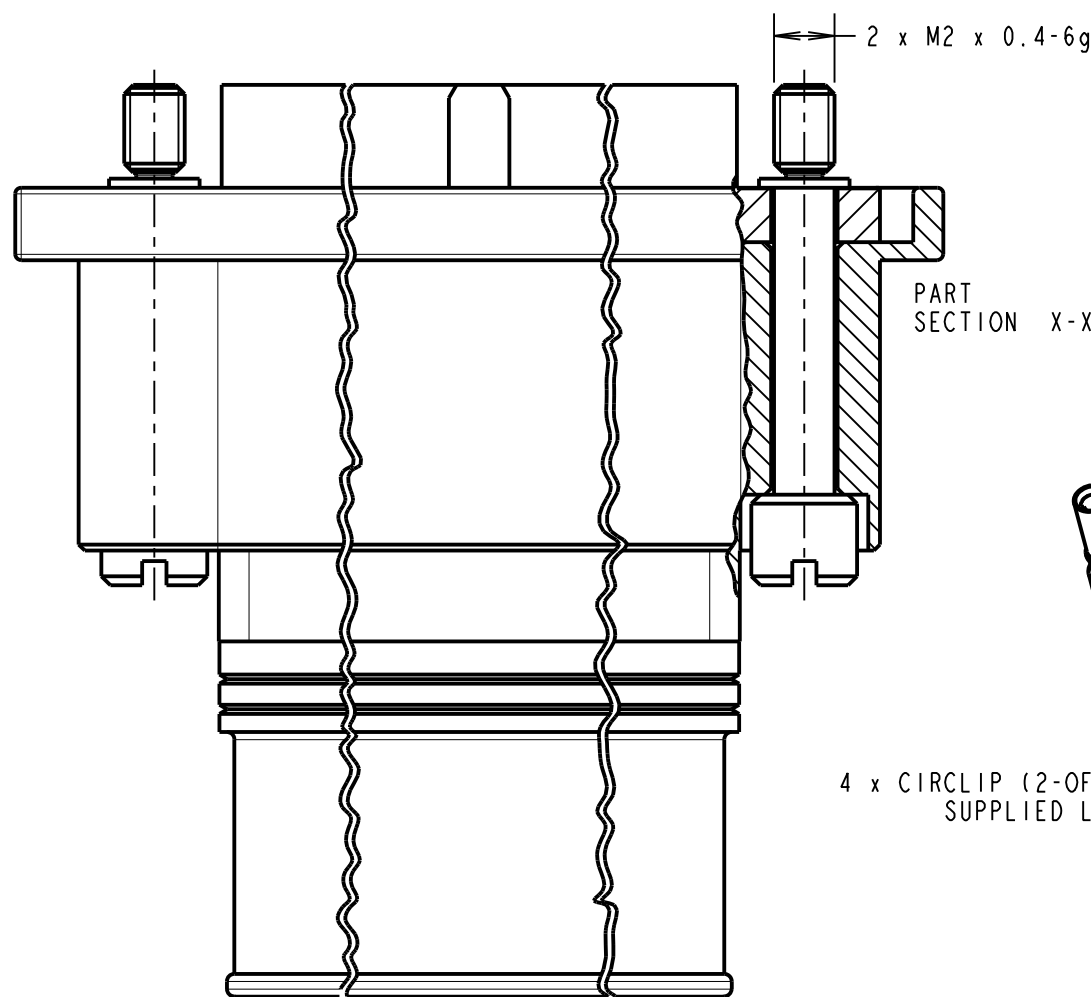
MECHANICAL:
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +121°C

PACKING:
 SEE NOTES
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE) AND C042XX (LATEST ISSUE)



- NOTES:**
- CONNECTOR IS SUPPLIED AS A KIT OF PARTS IN A BAG. BAGS WILL BE BULK PACKED INTO BOXES.
 - FOR EXTRA CONTACTS, USE PART No.'s.
 M80-0110001 FOR M80-4D1XX42SI-00-000-00-000
 M80-0110005 FOR M80-4D1XX05SI-00-000-00-000
 - FOR M80-4D1XXXXSI-00-000-00-000 THE RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = ∅1.10mm, STRIP WIRE BY 2.00mm.
 - RECOMMENDED HAND CRIMP TOOL FOR ALL CONTACTS = M22520/2-01 WITH POSITIONER T5747.
 - CONTACT INSERTION & EXTRACTION TOOL = Z80-280.
 - TO APPLY CIRCLIPS USE HARWIN TOOL = Z80-300.
 - SEE TOOLING INSTRUCTION SHEET IS-32 FOR ASSEMBLY DETAILS AVAILABLE AT:
<http://www.harwin.com/downloads/instructions/>
 - ALL PART LABELLING TO BE AS ORDER CODE, EITHER WITH TRAILING ZEROS OR LEFT BLANK AS PER ORDER CODE EXAMPLES 1 AND 2.
 - 1 BANDIT TIE SUPPLIED PER KIT



CONTACTS = M80-01100XX (QTY = TOTAL No. OF CONTACTS)
 05 = FINISH CODE '05'
 01 = FINISH CODE '42'

4 x CIRCLIP (2-OFF REQUIRED)
 SUPPLIED LOOSE IN BAG
 SEE NOTE 6

2 x M2 SLOTTED JACKSCREWS
 SUPPLIED LOOSE IN BAG

ORDER CODE: **M80-4D1XXXXSI-XX-XXX-XX-XXX**

TOTAL No. OF CONTACTS _____
 06, 10, 14, 20, 26

FINISH CODE _____
 05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL

NUMBER OF SPECIAL CONTACTS _____
 X's CAN BE DISPLAYED AS TRAILING ZEROS OR LEFT BLANK
 SEE EXAMPLE ORDER CODES FOR EXPLANATION.

EXAMPLE ORDER CODE 1: CONNECTOR WITH 20 LARGE BORE SIGNAL CONTACTS, GOLD CLIP AND GOLD SHELL

M80-4D12005SI-00-000-00-000

EXAMPLE ORDER CODE 2: CONNECTOR WITH 20 LARGE BORE SIGNAL CONTACTS, GOLD CLIP AND 100% TIN SHELL

M80-4D12042SI

HARWIN

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TOLERANCES
 X. = ±1mm
 X.X = ±0.25mm
 X.XX = ±0.10mm
 X.XXX = ±0.01mm
 ANGLES = ±5°
 UNLESS STATED

MATERIAL:
 SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: DATAMATE J-TEK FEMALE CRIMP (LARGE BORE) ASSY WITH METAL BACKSHELL

DRAWING NUMBER: M80-4D1XXXXSI, M80-4D1XXXXSI-00-000-00-000

SF	3	31.01.11	11110
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		R.ADDE	
DRAWN:		S.FLOWER	
CUSTOMER REF.:			
ASSEMBLY DRG:			