

Customer Information Sheet

DRAWING No.: M80-5C1XXXXBI, M80-5C1XXXXBI-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 = BRASS
PANEL MOUNT & NUT = STAINLESS STEEL
BACKSHELL = ALUMINIUM ALLOY

FINISH:

CONTACT = 0.75µ GOLD ALL OVER
BACKSHELL = NICKEL

ELECTRICAL:

RF ATTENUATION = 10 kHz TO 400MHz @ >30 dBs
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:

DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +121°C

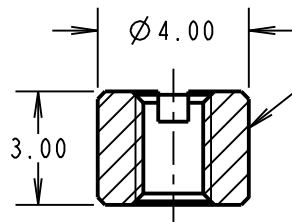
PACKING:

SEE NOTES

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



CONTACTS:
FOR M80-5C1 = M80-1950005
(QTY = TOTAL No. OF CONTACTS)



2 x M2 SLOTTED NUTS
SUPPLIED LOOSE IN BAG

ORDER CODE: **M80-5C1XXXXBI-XX-XXX-XX-XXX**

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

FINISH CODE
05 - ALL OVER GOLD

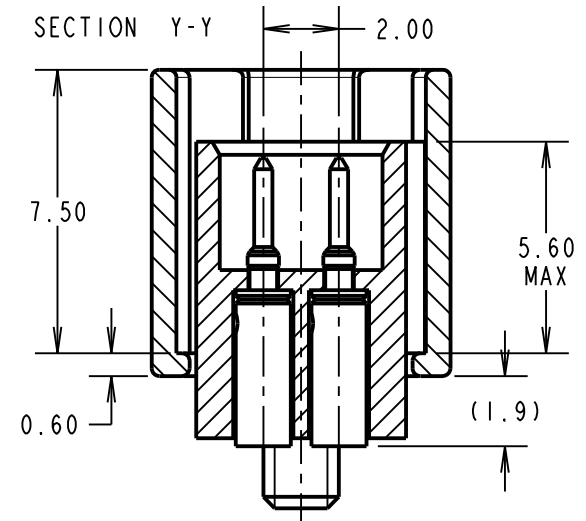
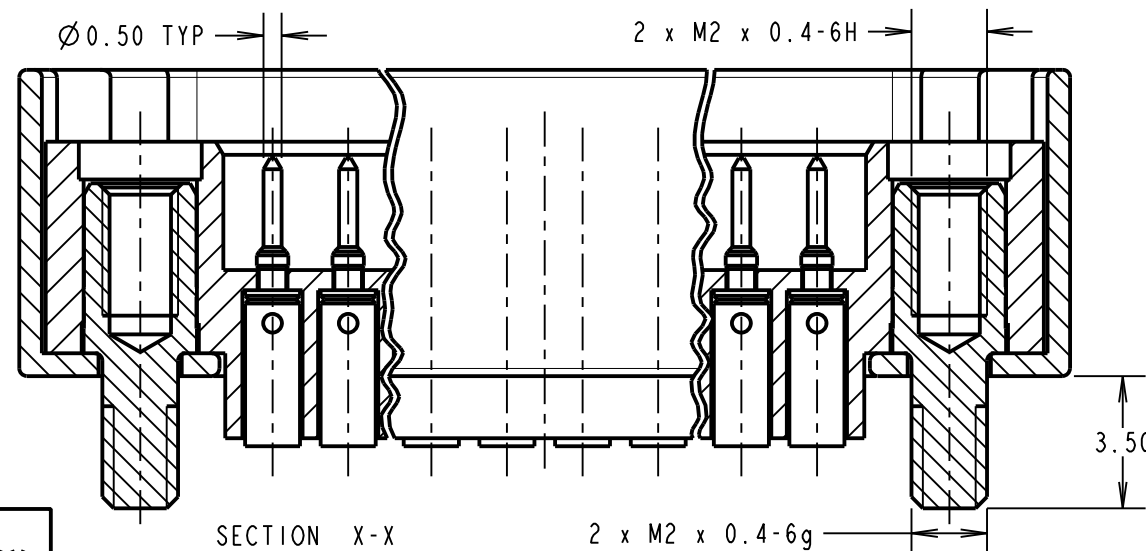
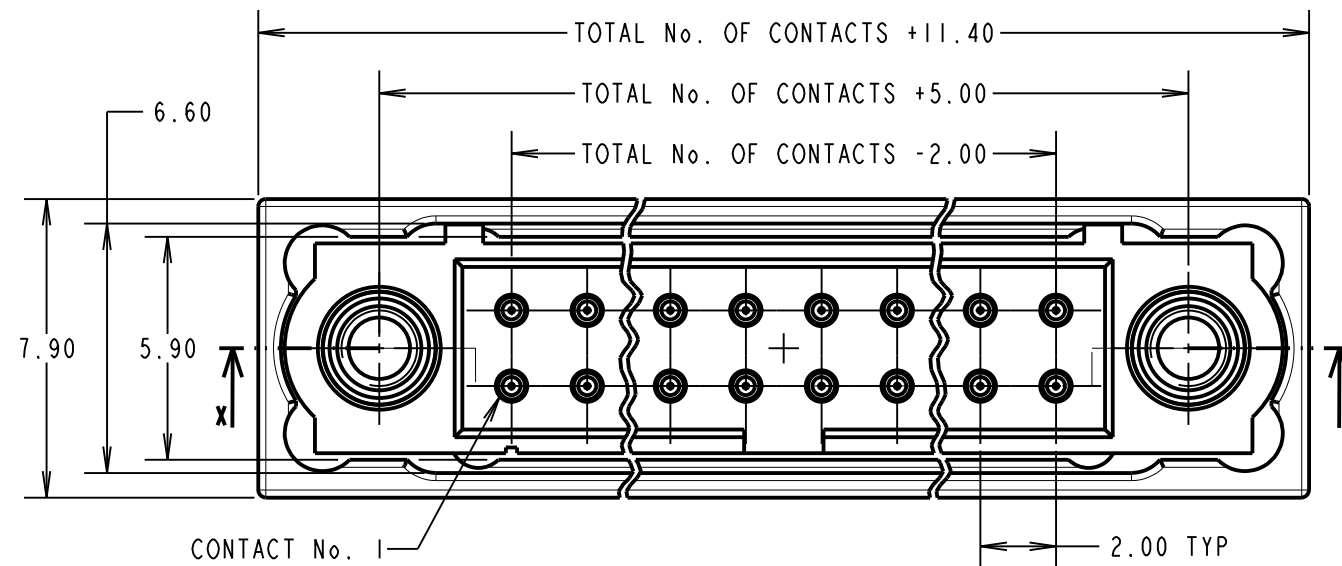
NUMBER OF SPECIAL CONTACTS
X's CAN BE DISPLAYED AS TRAILING ZEROS OR LEFT BLANK
SEE EXAMPLE ORDER CODES FOR EXPLANATION.

EXAMPLE ORDER CODE 1: CONNECTOR WITH 20 SMALL BORE
CONTACTS, ALL OVER GOLD CONTACT.

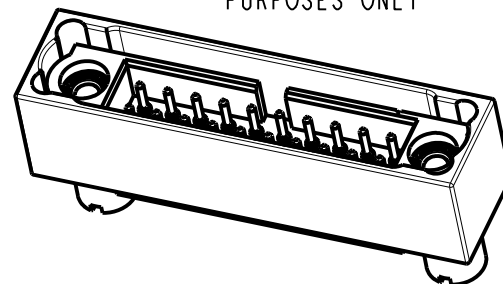
M80-5C12005BI-00-000-00-000

EXAMPLE ORDER CODE 2: CONNECTOR WITH 20 SMALL BORE
CONTACTS, ALL OVER GOLD CONTACT.

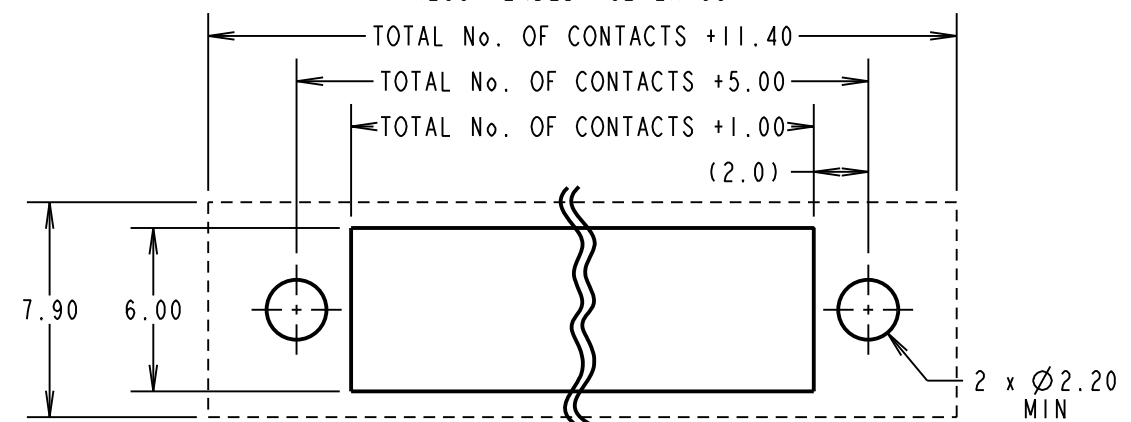
M80-5C12005BI



ASSEMBLED CONNECTOR
SHOWN FOR ILLUSTRATION
PURPOSES ONLY



RECOMMENDED PCB LAYOUT



NOTES:

- SUPPLIED AS A KIT OF PARTS, CONNECTORS SHOWN ASSEMBLED FOR INFORMATION PURPOSES ONLY.
- CONNECTORS WITH JACKSCREWS ASSEMBLED WILL BE SUPPLIED IN INDIVIDUAL BAGS, SLOTTED NUTS WILL BE SUPPLIED LOOSE IN A BAG, BACKSHELLS WILL BE INDIVIDUALLY BAGGED. KITS WILL BE BULK PACKED INTO BOXES
- FOR EXTRA CONTACTS, USE PART No:
M80-1950005 FOR M80-5C1XX05BI-00-000-00-000
- FOR M80-5C1XX05BI-00-000-00-000 RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL FOR ALL CONTACTS = M22520/2-01 WITH POSITIONER Z80-193
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
- INSTRUCTION SHEETS ARE AVAILABLE.
- ALL PART LABELLING TO BE AS ORDER CODE, EITHER WITH TRAILING ZEROS OR LEFT BLANK AS PER ORDER CODE EXAMPLES 1 AND 2.

SF	2	22.09.10	10944
NAME	ISS.	DATE	C/NOTE
APPROVED:	SF		
CHECKED:	RA		
DRAWN:	S.FLOWER		
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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DISCLOSED, LOANED, COPIED
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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 DIL
MALE CRIMP (SMALL BORE) ASSY
WITH METAL BACKSHELL

DRAWING NUMBER: **M80-5C1XXXXBI**
M80-5C1XXXXBI-00-000-00-000

SHT
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