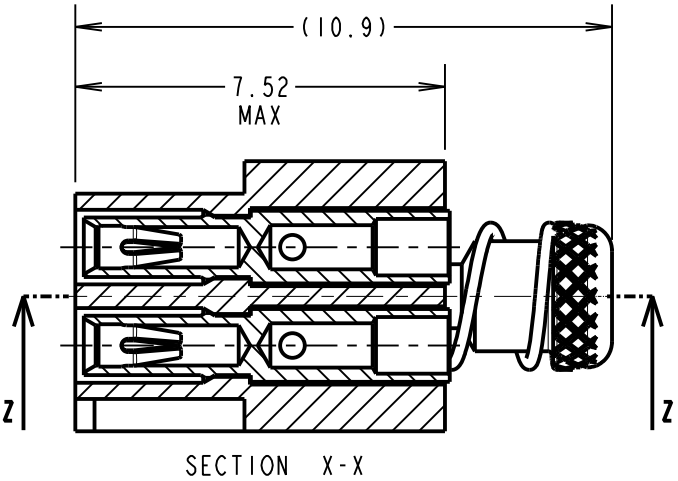
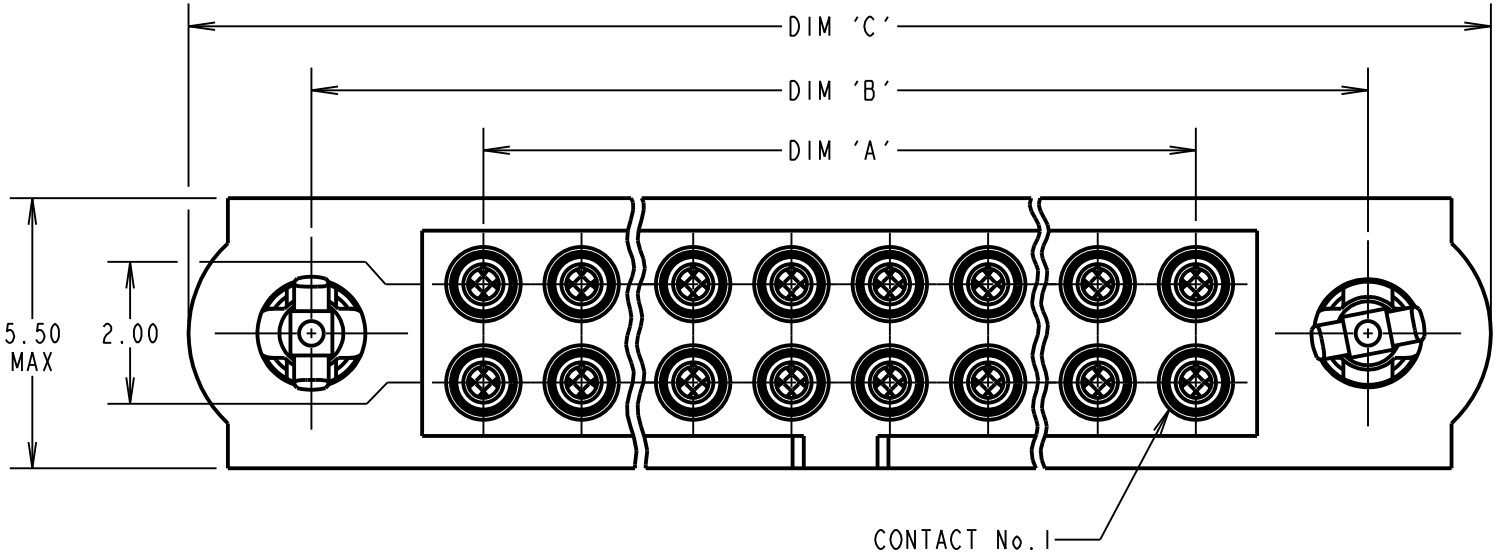


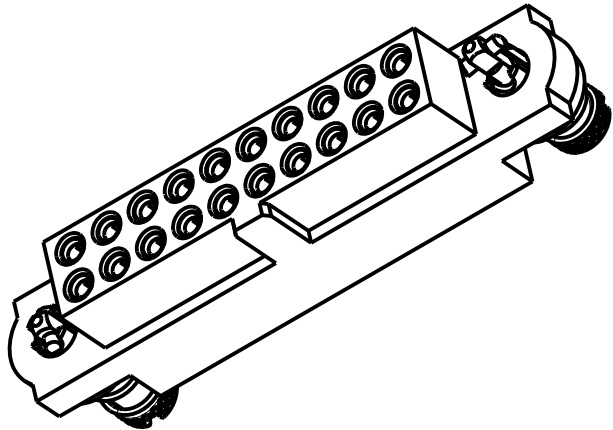
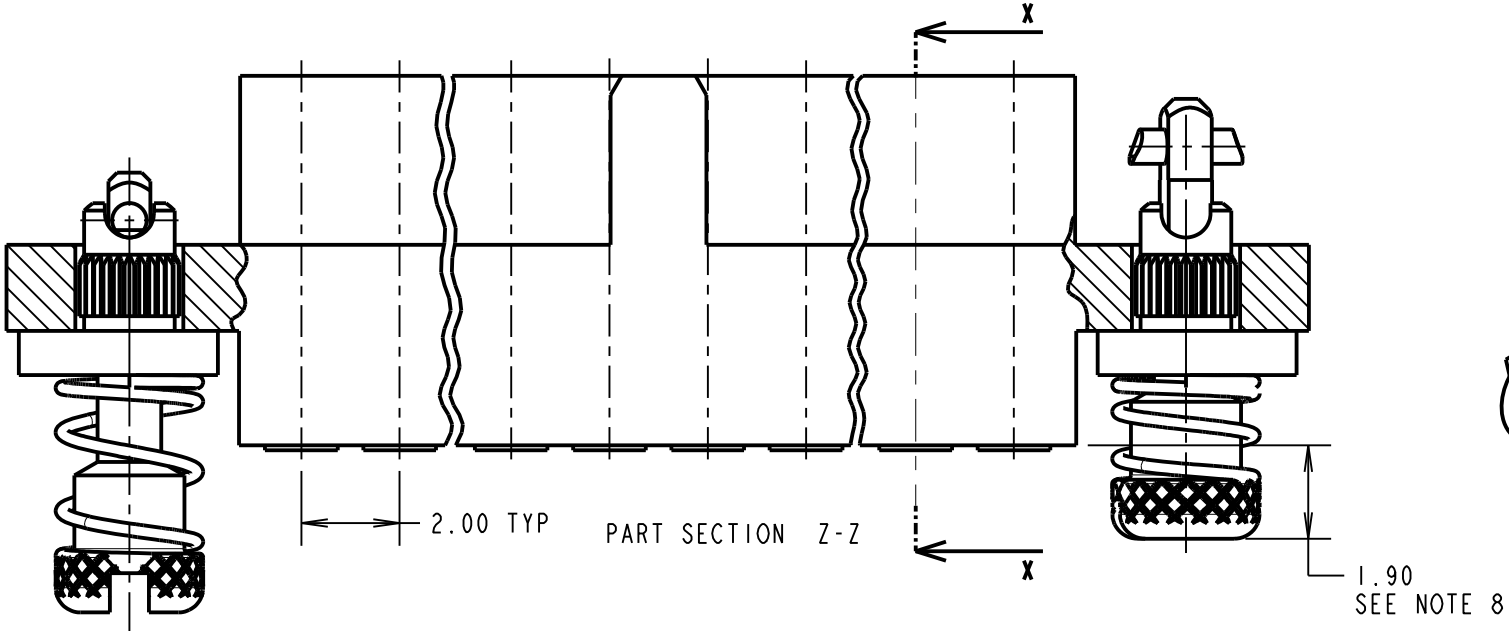
Customer Information Sheet

DRAWING No.: M80-4D1XXXXFC 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
10ILOK SCREW, COLLAR = STAINLESS STEEL
SPRING = MUSIC WIRE
FINISH:
05 = 0.3µm GOLD CLIP, 0.25-0.3µm GOLD SHELL
42 = 0.3µm GOLD CLIP, 3.5-5.0µm 100% TIN OVER NICKEL SHELL
05 & 42 = TIN COATED SPRINGS
ELECTRICAL:
CURRENT RATING AT 25°C = 3.3A MAX
CURRENT RATING AT 85°C = 2.6A MAX
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
CONTACT RESISTANCE = 25mΩ MAX
INSULATION RESISTANCE = 100MΩ MIN
MECHANICAL:
DURABILITY = 500 OPERATIONS
INSERTION FORCE (Ø0.5mm GAUGE) = 2.0N MAX
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN
ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C
PACKING:
LOOSE
FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



- NOTES:
- 1. CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
 - 2. FOR EXTRA CONTACTS, USE PART No's.
M80-0110001 FOR M80-4D1XX42FI
M80-0110005 FOR M80-4D1XX05FI
 - 3. RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
 - 4. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747.
 - 5. CONTACT INSERTION & EXTRACTION TOOL = Z80-280
 - 6. INSTRUCTION SHEETS ARE AVAILABLE.
 - 7. SPRING LOAD WHEN SOLID = 2.64N.
SPRING RATE = 1.32N/mm
 - 8. LENGTH WILL BE 1.90mm WHEN 10ILOK JACKSCREWS ARE ENGAGED WITH RETAINERS IN MATING CONNECTOR.



CONTACT: (QTY = TOTAL No. OF CONTACTS)
M80-01100XX (SEE NOTE 2)

05 = GOLD CLIP, GOLD SHELL
01 = GOLD CLIP, 100% TIN OVER NICKEL SHELL

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL NUMBER CONTACTS + 10
EXAMPLE ORDER CODE: CONNECTOR WITH 20 SIGNAL CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL	
M80-4D12042FC	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm.	

ORDER CODE: M80-4D1XXXXFC

TOTAL No. OF CONTACTS 04 TO 50 (EVEN NUMBERS ONLY)

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

RTP	4	16.05.19	21531
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: M.RUDKIN			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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

TITLE: DATAMATE J-TEK FEMALE CRIMP ASSY (LARGE BORE) WITH 10ILOK JACKSCREWS
DRAWING NUMBER: M80-4D1XXXXFC
SHT 2 OF 2