

# Customer Information Sheet

DRAWING No.: M80-4C1XXXXFB

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

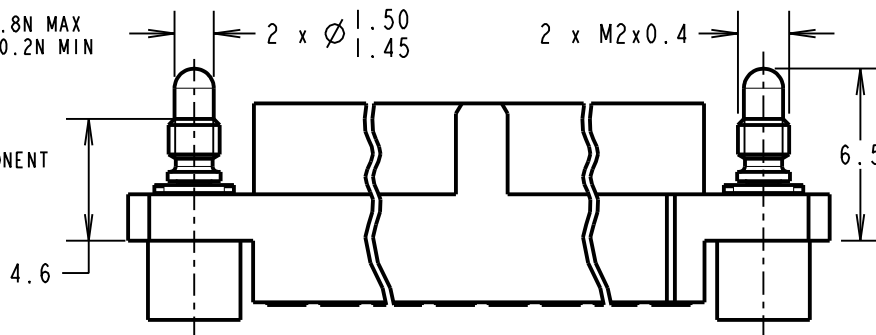
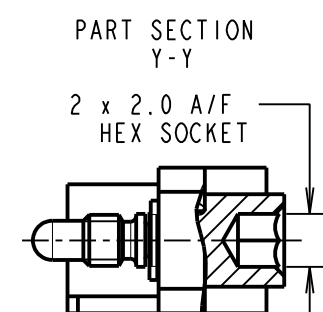
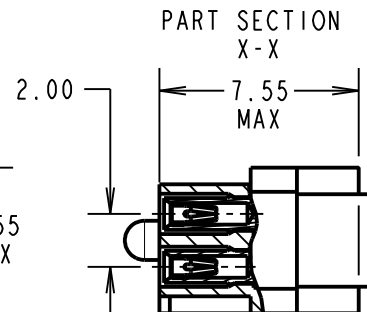
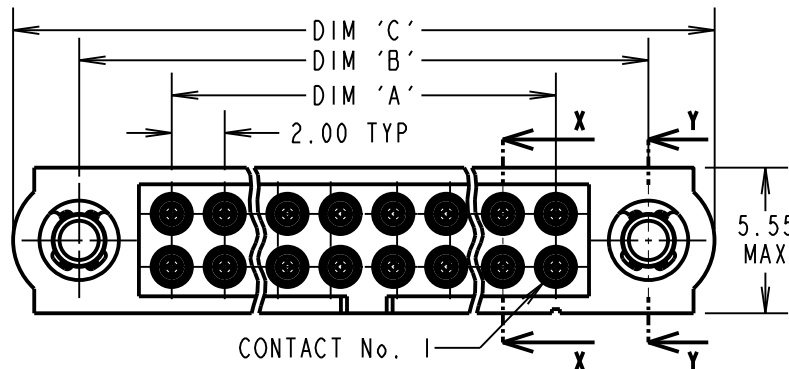
**MATERIAL:**  
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK  
 CONTACT CLIP = BERYLLIUM COPPER  
 CONTACT SHELL = BRASS  
 JACKSCREW, CIRCLIP = STAINLESS STEEL  
**FINISH:**  
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL  
 42 = 0.3µ GOLD CLIP,  
 3.5-5.0µ 100% TIN OVER NICKEL SHELL

**ELECTRICAL:**  
 CURRENT RATING AT 25°C = 3.0A MAX  
 CURRENT RATING AT 85°C = 2.2A MAX  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 CONTACT RESISTANCE = 25 mΩ MAX  
 INSULATION RESISTANCE = 100 MΩ MIN

**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
 LOOSE  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



**NOTES:**

- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART No's.  
 M80-0130001 FOR M80-4C1XX42FB  
 M80-0130005 FOR M80-4C1XX05FB
- 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 = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS. CONTACT INSERTION & EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4C12042FB

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

ORDER CODE:  
**M80-4C1XXXXFB**

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

MGP	2	04.09.12	11761
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: R.ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**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:** mm<sup>2</sup>

**TITLE:** DATAMATE J-TEK FEMALE CRIMP ASSY (SMALL BORE) WITH HEX SOCKET JACKSCREW

**DRAWING NUMBER:**  
**M80-4C1XXXXFB**

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