

# Customer Information Sheet

DRAWING No.: M80-4E1XXXXF3

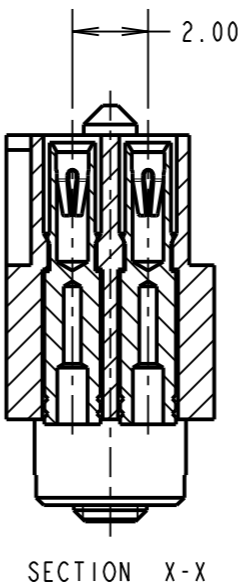
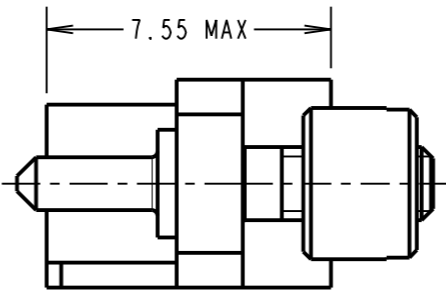
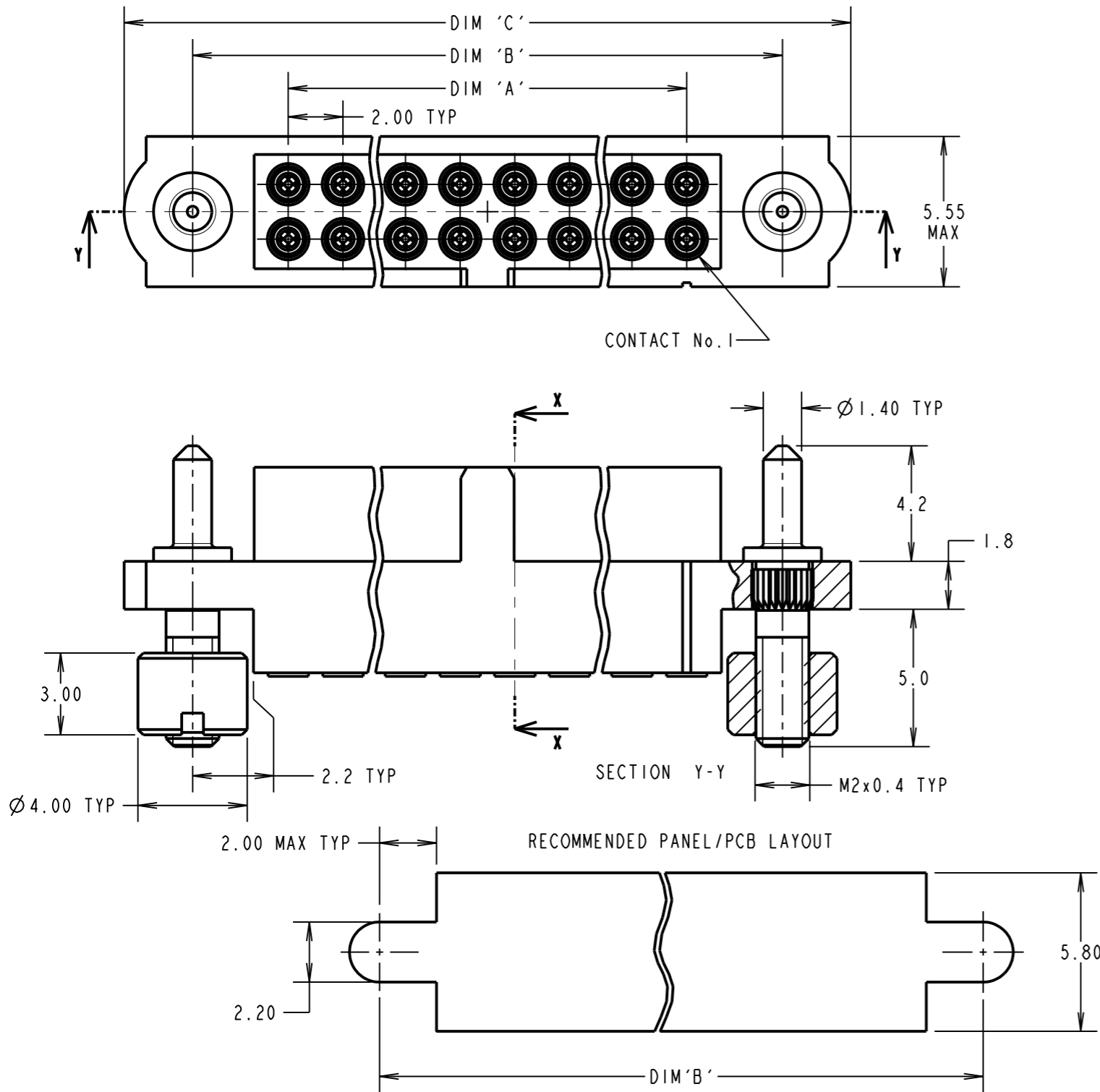
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



## SPECIFICATIONS:

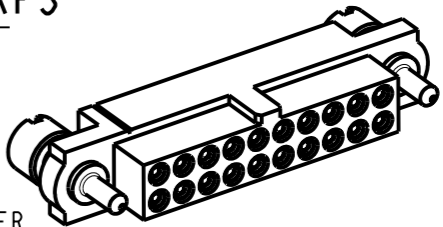
**MATERIAL:**  
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
**SIGNAL CONTACT:**  
CLIP = BERYLIUM COPPER  
SHELL = BRASS  
GUIDE PIN AND NUT: STAINLESS STEEL  
**FINISH:**  
SIGNAL CONTACT:  
CLIP = 0.3µ GOLD  
SHELL = 0.25-0.3µ GOLD  
**ELECTRICAL:**  
WORKING VOLTAGE = 800V AC/DC  
VOLTAGE PROOF = 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  
**MECHANICAL:**  
DURABILITY = 500 OPERATIONS  
**SIGNAL CONTACT:**  
INSERTION FORCE = 2.8N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
**ENVIRONMENTAL:**  
TEMPERATURE RANGE = -55°C TO +125°C  
**PACKING:**  
BAG  
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

- NOTES:**
- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
  - FOR EXTRA CONTACTS, USE PART No's.  
M80-0190001 FOR M80-4E1XX42F3  
M80-0190005 FOR M80-4E1XX05F3
  - RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, OR MIL-W-16878 TYPE ET, PTFE INSULATED 28-32 AWG. MAX INSULATION DIAMETER = Ø0.75mm, 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.

ORDER CODE:  
**M80-4E1XXXXF3**

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	I	14.03.13	11932
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: M G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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, M80-4E12042F3	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

**HARWIN**

www.harwin.com  
technical@harwin.com

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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 (EXTRA SMALL BORE) WITH GUIDE AND BOARDMOUNT

**DRAWING NUMBER:** M80-4E1XXXXF3

**SHT** 2 OF 2