

Customer Information Sheet

DRAWING No.: M80-4E1XXXXF1

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

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 - 0.30µ 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
 (CURRENT RATING DEPENDENT ON WIRE)
 WORKING VOLTAGE = 800V AC/DC
 VOLTAGE PROOF = 1200V AC/DC
 CONTACT RESISTANCE = 25mΩ MAX
 INSULATION RESISTANCE = 100MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS
 INSERTION FORCE = 2.8N MAX
 WITHDRAWAL FORCE = 0.2N MIN

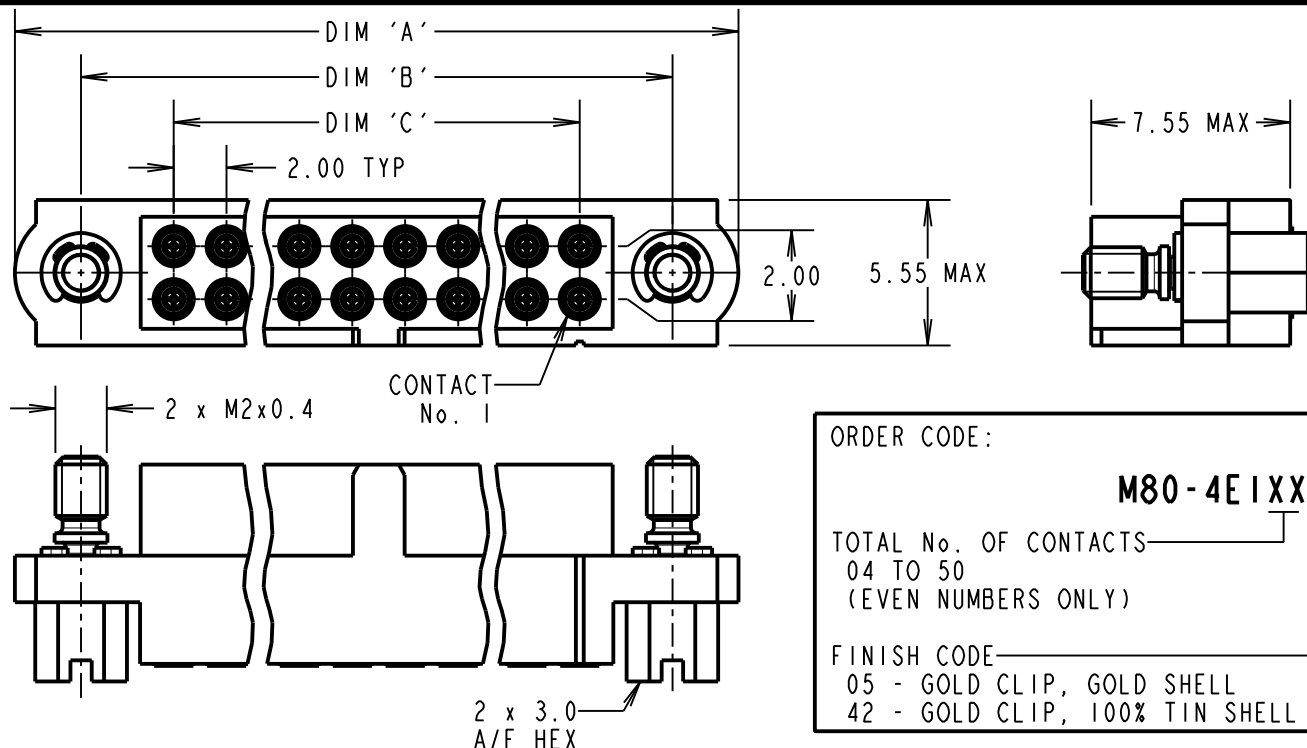
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

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



ORDER CODE:
M80-4E1XXXXF1
 TOTAL No. OF CONTACTS _____
 04 TO 50
 (EVEN NUMBERS ONLY)
 FINISH CODE _____
 05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN SHELL

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS + 10
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS - 2
EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN SHELL, M80-4E12042F1	
DIM 'A' = 30.00mm, DIM 'B' = 25.00mm DIM 'C' = 18.00mm	

NOTES:

- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART No's. M80-0190001 FOR M80-4E1XX42F1 M80-0190005 FOR M80-4E1XX05F1.
- RECOMMENDED WIRE TYPE = PTFE INSULATED 28-32 AWG BS 3G 210 TYPE A OR MIL-W-16878 TYPE ET WIRE.
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 AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

MGP	4	12.04.12	11704
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: S. MCCULLAGH			
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: mm²

TITLE: DATAMATE J-TEK FEMALE CRIMP ASSY (EXTRA SMALL BORE) WITH SLOTTED HEX JACKSCREW
DRAWING NUMBER:
M80-4E1XXXXF1
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