

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 = 0.3 μ GOLD CLIP, 0.25 - 0.30 μ GOLD SHELL
42 = 0.3 μ GOLD CLIP, 3.5 - 5.0 μ 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 = 25m Ω MAX
INSULATION RESISTANCE = 100M Ω MIN

MECHANICAL:

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

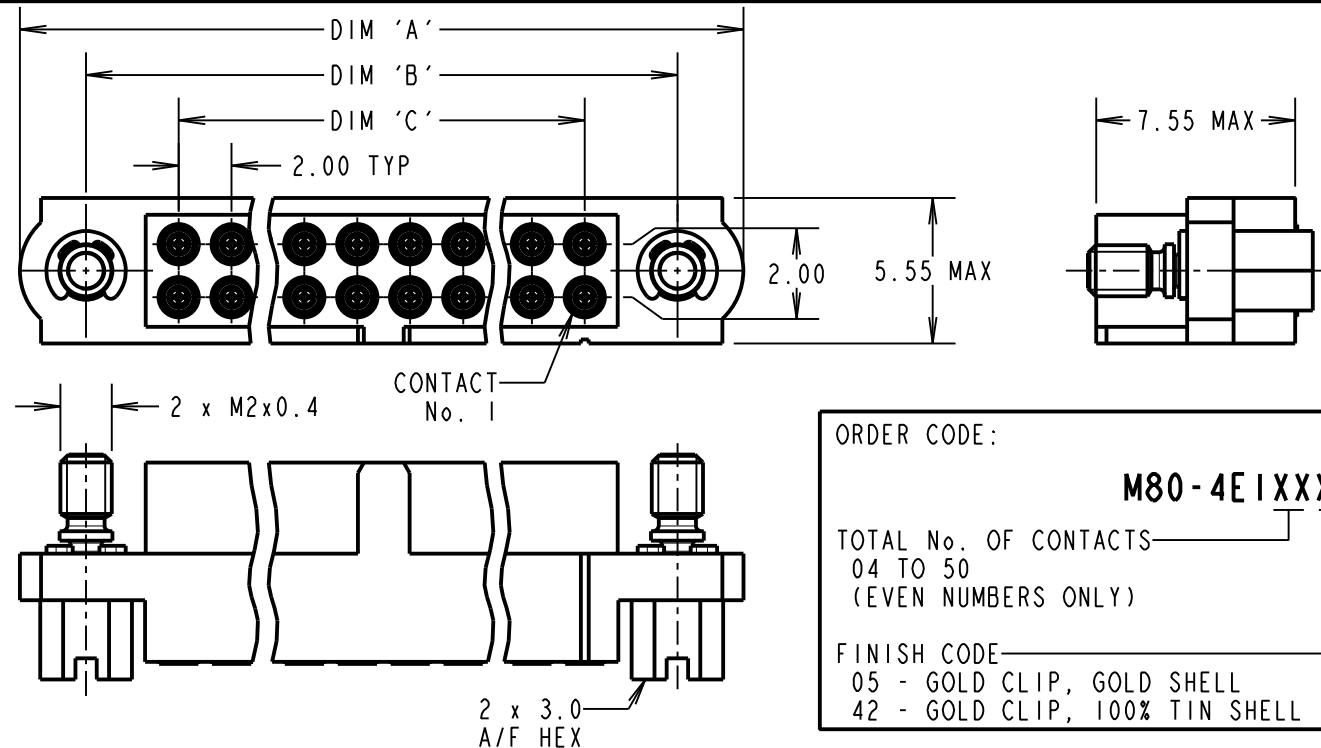
ENVIRONMENTAL:

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	CACULATION
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 = $\varnothing$ 0.75mm, 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

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES

X. = $\pm$ 1mm
X.X = $\pm$ 0.25mm
X.XX = $\pm$ 0.10mm
X.XXX = $\pm$ 0.01mm

ANGLES = $\pm$ 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

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-4E11005F1](#) [M80-4E11042F1](#) [M80-4E11242F1](#) [M80-4E12042F1](#) [M80-4E12005F1](#) [M80-4E14205F1](#) [M80-4E10842F1](#) [M80-4E10642F1](#) [M80-4E13405F1](#) [M80-4E11605F1](#) [M80-4E12605F1](#) [M80-4E13442F1](#) [M80-4E11405F1](#) [M80-4E11842F1](#) [M80-4E14242F1](#) [M80-4E11205F1](#) [M80-4E10805F1](#) [M80-4E15042F1](#) [M80-4E12642F1](#) [M80-4E11442F1](#) [M80-4E10605F1](#) [M80-4E11642F1](#) [M80-4E11805F1](#) [M80-4E15005F1](#)