

Customer Information Sheet

DRAWING No.: M80-4E1XXXXF2

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

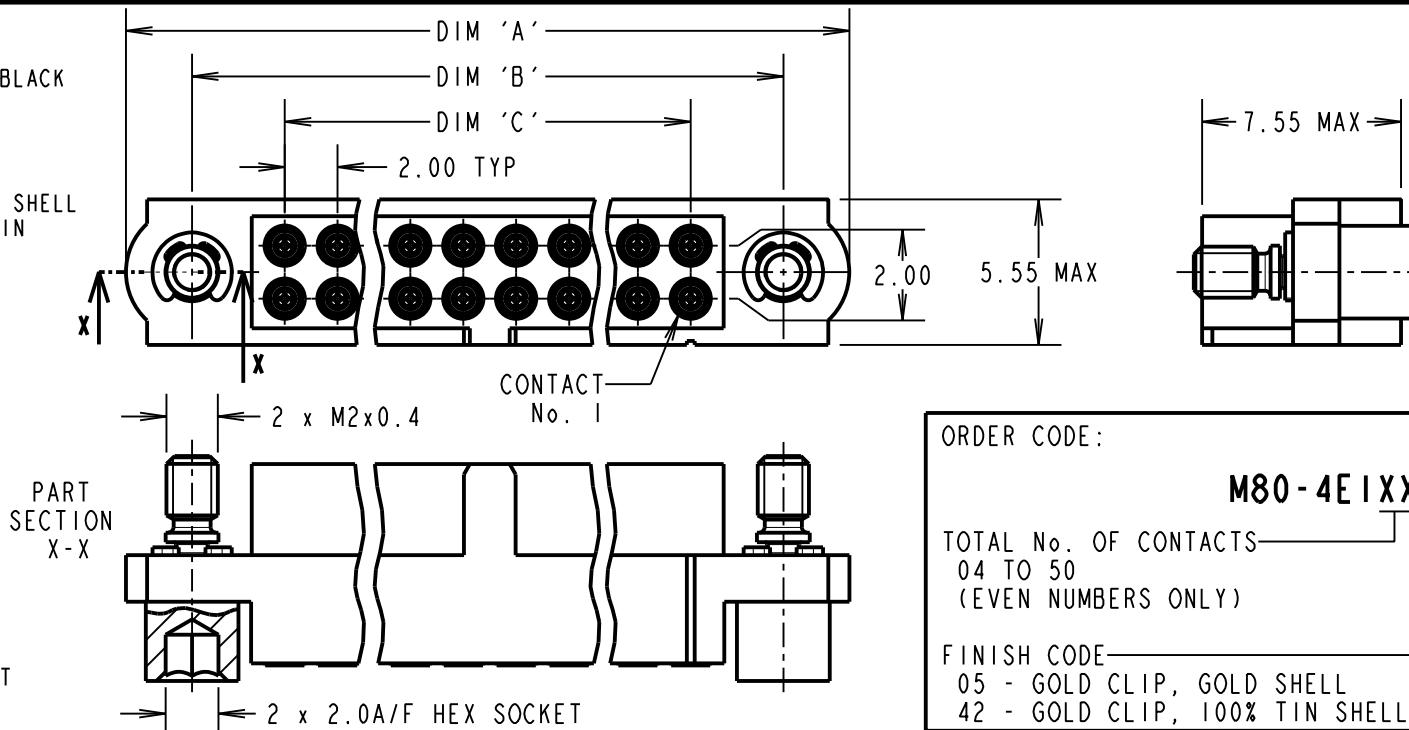
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

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



ORDER CODE:

M80-4E1XXXXF2

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, M80-4E12042F2	
DIM 'A' = 30.00mm, DIM 'B' = 25.00mm	DIM 'C' = 18.00mm

NOTES:

1. CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
2. FOR EXTRA CONTACTS, USE PART No's. M80-0190001 FOR M80-4E1XX42F2 M80-0190005 FOR M80-4E1XX05F2.
3. 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.
4. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
5. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

MGP	I	12.04.12	11704
NAME	ISS.	DATE	C/NOTE

APPROVED: MGP

CHECKED: SB

DRAWN: M. G. PLESTED

CUSTOMER REF.:

ASSEMBLY DRG.:

HARWIN

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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 HEX SOCKET JACKSCREW

DRAWING NUMBER:

M80-4E1XXXXF2

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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