

Customer Information Sheet

DRAWING No.: M80-4SIXXXXF3

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 = COPPER ALLOY
GUIDE & NUT = STAINLESS STEEL

FINISH:

01 = 0.3 μ GOLD CLIP, 3.5-5.0 μ TIN/LEAD SHELL
05 = 0.3 μ GOLD CLIP, 0.25-0.3 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
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 ($\varnothing$ 0.5mm GAUGE) = 2.8N MAX
WITHDRAWAL FORCE ($\varnothing$ 0.5mm GAUGE) = 0.2N MIN

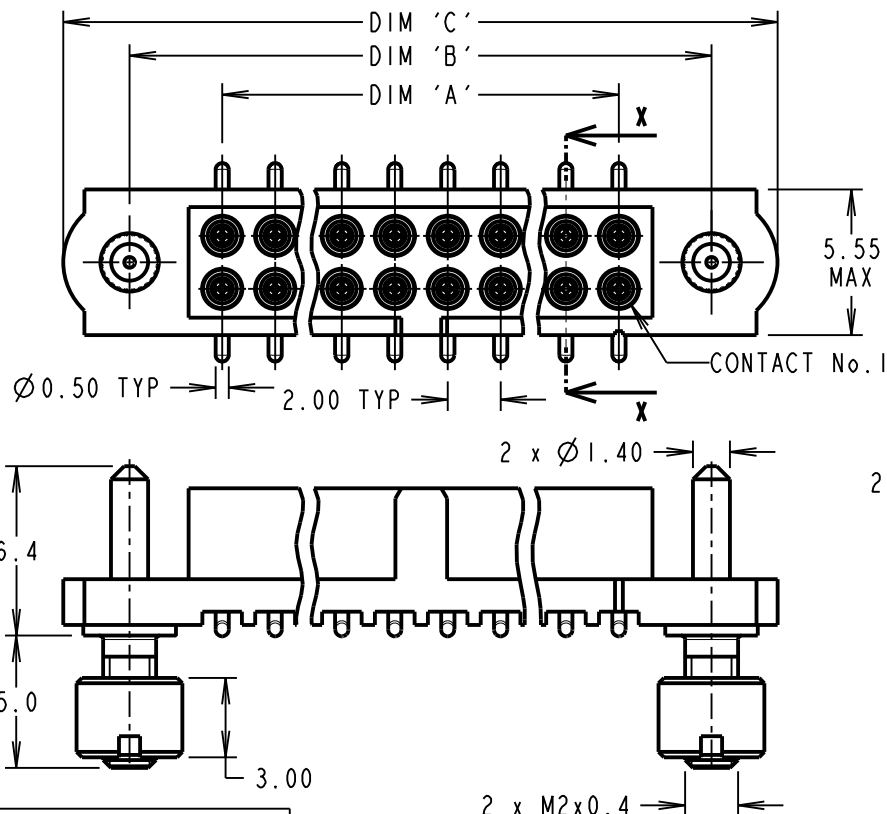
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

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



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, M80-4SI2042F3	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

ORDER CODE:

M80-4SIXXXXF3

TOTAL No. OF CONTACTS
04 TO 50
(EVEN NUMBERS ONLY)

FINISH CODE
01 - GOLD CLIP, TIN/LEAD SHELL
05 - GOLD CLIP, GOLD SHELL
42 - GOLD CLIP, 100% TIN SHELL

MGP	4	06.09.12	11761
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: JM BROOKES			
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 VERTICAL SMT ASSY
WITH GUIDE + BOARD MOUNT

DRAWING NUMBER:

M80-4SIXXXXF3

SHT
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