

Customer Information Sheet

DRAWING No.: M80-410XXX

SHEET 2 OF 2

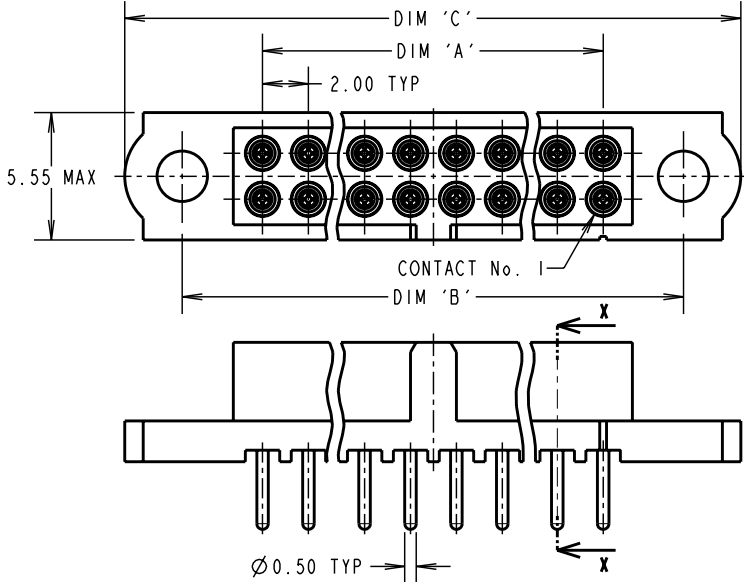
IF IN DOUBT - ASK

(C)

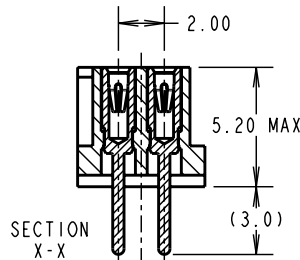
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTES:
1. RECOMMENDED PCB HOLE
SIZE = $\varnothing 0.65$ mm MIN.



SPECIFICATIONS:

MATERIAL:
 Moulding = GLASS-FILLED PPS, UL94V-0, BLACK
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = BRASS

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 = 120V AC/DC
 VOLTAGE PROOF = 360V AC/DC
 CONTACT RESISTANCE = 25 m Ω MAX
 INSULATION RESISTANCE = 100 M Ω MIN

MECHANICAL:
 DURABILITY = 500 OPERATIONS
 INSERTION FORCE ($\varnothing 0.5$ mm GAUGE) = 2.8N MAX
 WITHDRAWAL FORCE ($\varnothing 0.5$ mm GAUGE) = 0.2N MIN

ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +125°C

PACKING:
 TUBE

FOR COMPLETE SPECIFICATION, SEE
 COMPONENT SPECIFICATION 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, ALL OVER GOLD
 M80-4102005

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

ORDER CODE:
M80-410XXX

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

FINISH

01 - GOLD CLIP, TIN/LEAD SHELL
 05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL

CP	1	31.08.10	10870
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg		FINISH: SEE ABOVE S/AREA: mm ²	DRAWING NUMBER: M80-410XXX	SHT 2 OF 2