

Customer Information Sheet

DRAWING No.: M80-412XXXX

SHT 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

FINISH:01 = 0.3 μ GOLD CLIP, 3.5-5.0 μ TIN/LEAD SHELL05 = 0.3 μ GOLD CLIP, 0.25-0.3 μ GOLD SHELL42 = 0.3 μ GOLD CLIP, 3.5-5.0 μ 100% TIN 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 MAXINSULATION RESISTANCE = 100 M Ω MIN**MECHANICAL:**

DURABILITY = 500 OPERATIONS

INSERTION FORCE ($\varnothing$ 0.5mm GAUGE) = 2.8N MAXWITHDRAWAL FORCE ($\varnothing$ 0.5mm GAUGE) = 0.2N MIN**ENVIRONMENTAL:**

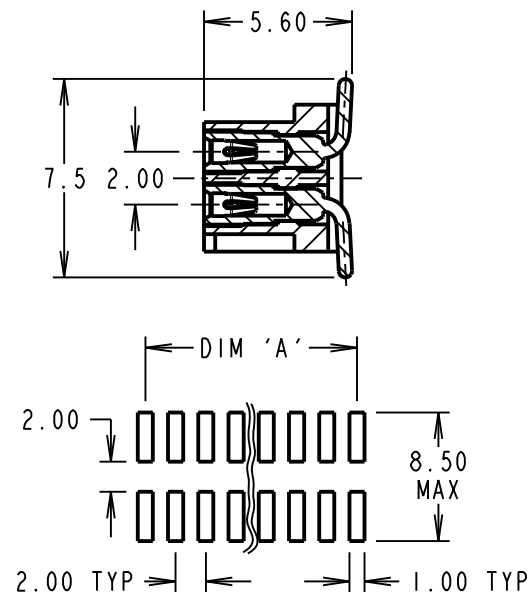
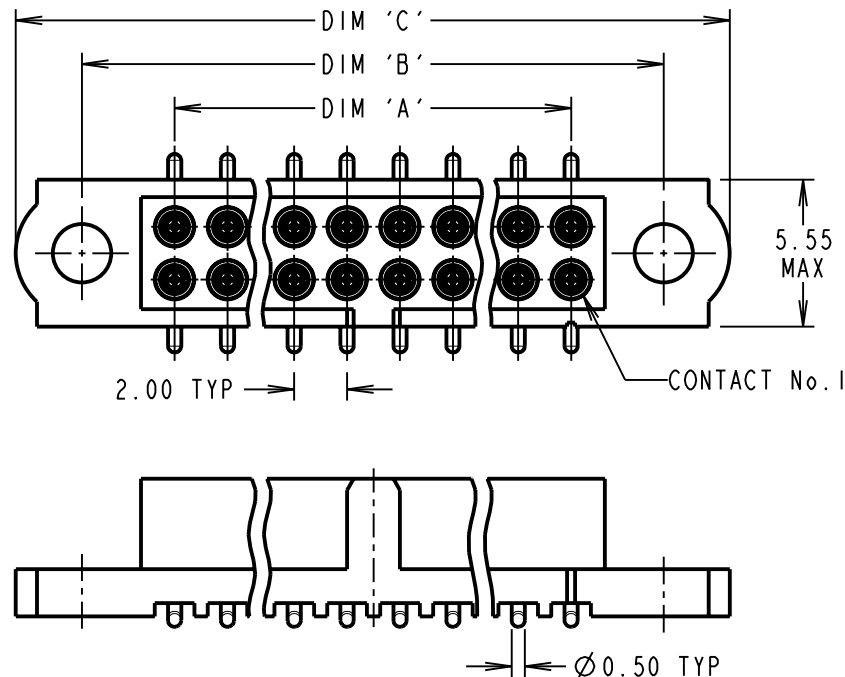
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

FOR COMPLETE SPECIFICATION, SEE

COMPONENT SPEC C005XX (LATEST ISSUE)

**RECOMMENDED PCB LAYOUT**

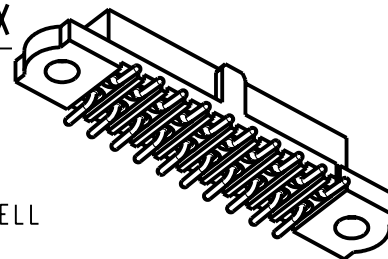
DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10
EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN SHELL, M80-4122042	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

ORDER CODE:**M80-412XXXX**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 SHELL



CP	I	08.07.09	10377
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
DRAWN: B.M.KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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
--	--	--

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.

TOLERANCESX. = ± 1 mmX.X = ± 0.25 mmX.XX = ± 0.10 mmX.XXX = ± 0.01 mmANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²TITLE: JACKSCREW DATAMATE
DIL VERTICAL SMT
FEMALE ASSY (NO J/SCREW)

DRAWING NUMBER:

M80-412XXXXSHT
2 OF 2