

Customer Information Sheet

DRAWING No.: M80-400XXX

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: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 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 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

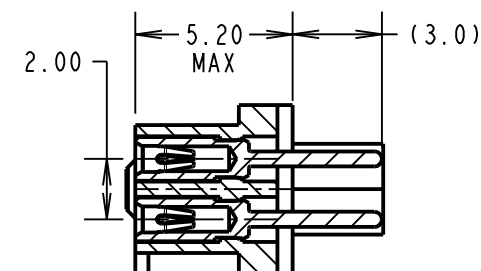
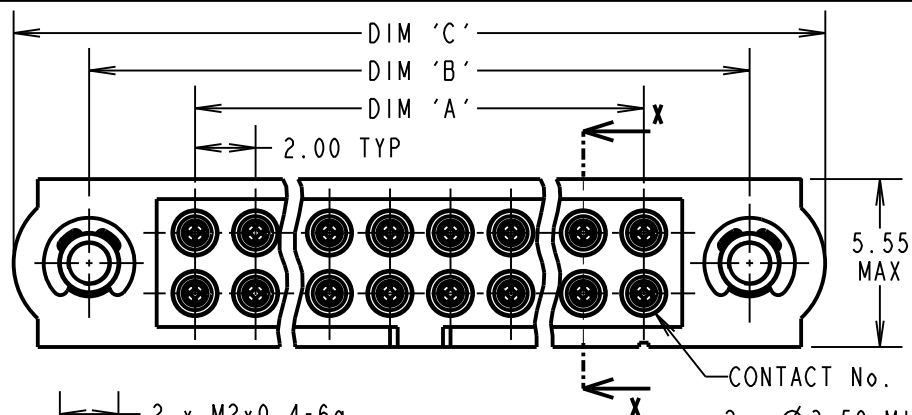
PACKING:

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT

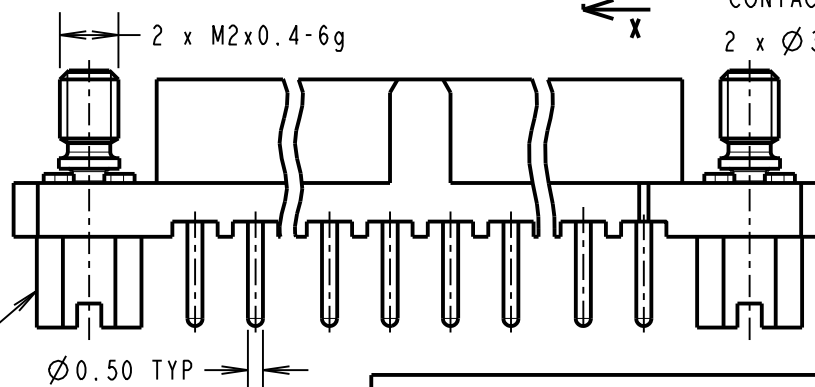
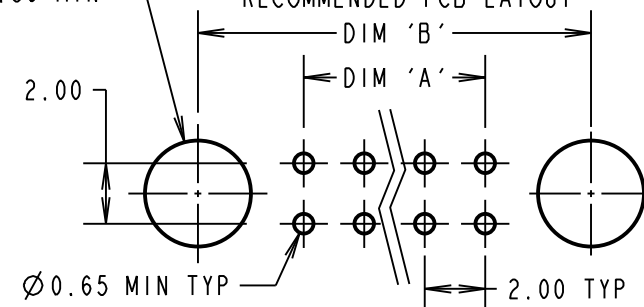
SPECIFICATION C005XX

(LATEST ISSUE)



SECTION X-X

RECOMMENDED PCB LAYOUT



2 x 3.0 HEX A/F

 $\varnothing$ 0.50 TYP

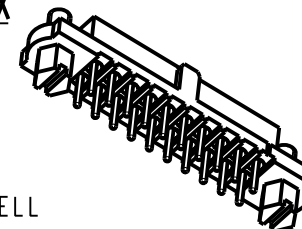
DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10
EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN SHELL, M80-4002042	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

ORDER CODE:**M80-400XXX**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



SM	I	24.08.10	10806
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: R. ADDE			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCESX. = $\pm$ 1mm
X.X = $\pm$ 0.25mm
X.XX = $\pm$ 0.10mm
X.XXX = $\pm$ 0.01mmANGLES = $\pm$ 5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²TITLE: JACKSCREW DATAMATE
DIL VERTICAL PC TAIL
FEMALE ASSEMBLY

DRAWING NUMBER:

M80-400XXXSHT
2
OF
2