

# Customer Information Sheet

DRAWING No.: M80-412XXXX

SHT 2 OF 2

IF IN DOUBT - ASK

©

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 = 0.3µ GOLD CLIP, 3.5-5.0µ TIN/LEAD SHELL  
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL  
 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 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 mΩ MAX  
 INSULATION RESISTANCE = 100 MΩ MIN

**MECHANICAL:**

DURABILITY = 500 OPERATIONS  
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

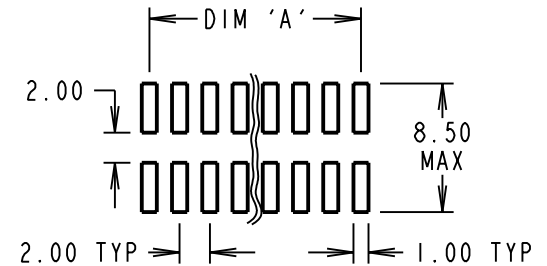
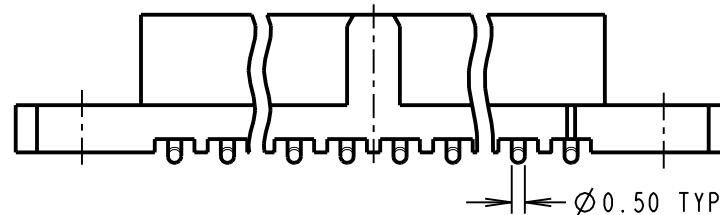
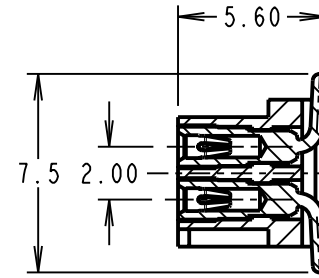
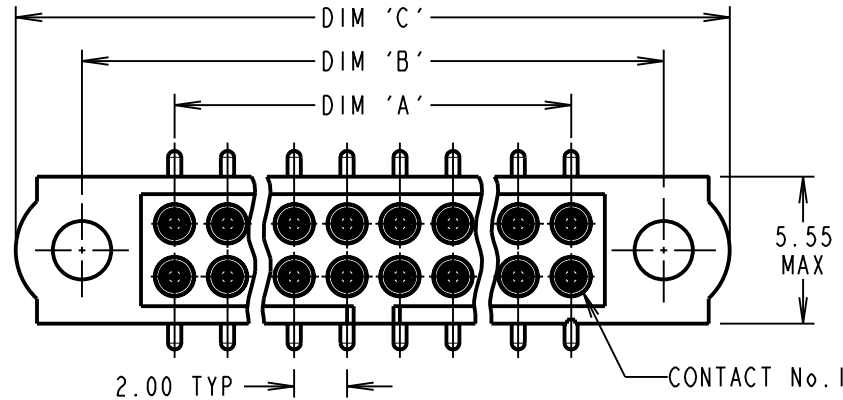
**ENVIRONMENTAL:**

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

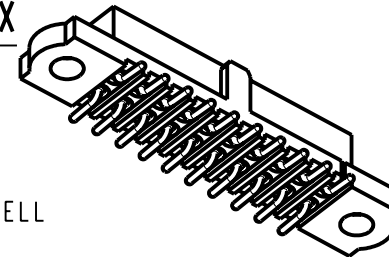
ORDER CODE:

**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**

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TOLERANCES  
 X. = ±1mm  
 X.X = ±0.25mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm  
 ANGLES = ±5°  
 UNLESS STATED

MATERIAL:  
 SEE ABOVE  
 FINISH: SEE ABOVE  
 S/AREA: mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE  
 DIL VERTICAL SMT  
 FEMALE ASSY (NO J/SCREW)  
 DRAWING NUMBER:  
**M80-412XXXX**  
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