

# Customer Information Sheet

DRAWING No.: M80-463XXXX

SHEET 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  
 JACKSCREW, NUT = STAINLESS STEEL

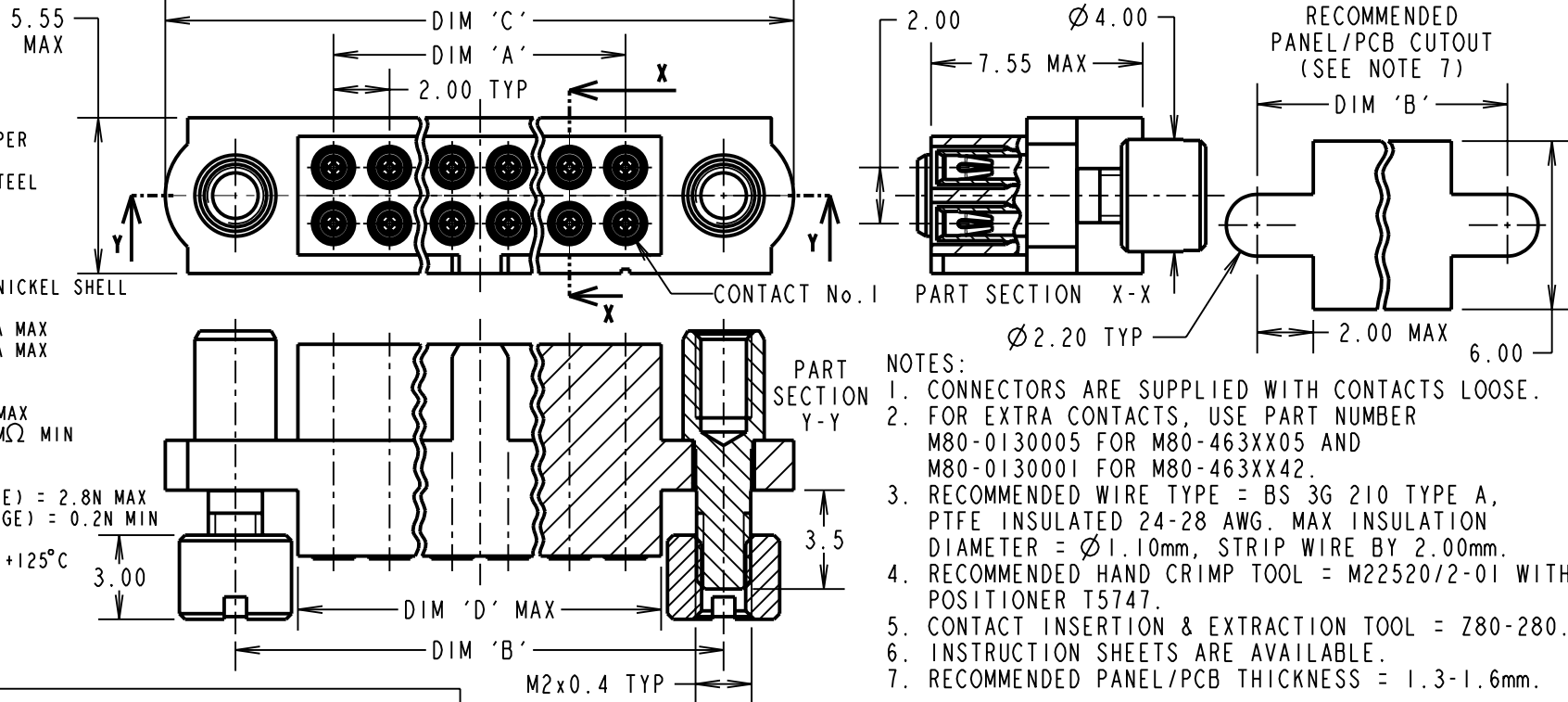
**FINISH:**  
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL  
 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN OVER NICKEL SHELL

**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 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:**  
 LOOSE  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



- NOTES:**
- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
  - FOR EXTRA CONTACTS, USE PART NUMBER M80-0130005 FOR M80-463XX05 AND M80-0130001 FOR M80-463XX42.
  - RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = ∅1.10mm, STRIP WIRE BY 2.00mm.
  - RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747.
  - CONTACT INSERTION & EXTRACTION TOOL = Z80-280.
  - INSTRUCTION SHEETS ARE AVAILABLE.
  - RECOMMENDED PANEL/PCB THICKNESS = 1.3-1.6mm.

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10
DIM 'D'	TOTAL No. OF CONTACTS + 0.64

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4632042

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm,  
 DIM 'C' = 30.00mm, DIM 'D' = 20.64mm

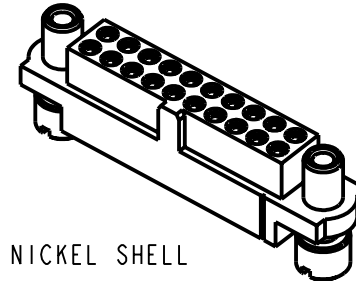
ORDER CODE:

**M80-463XXXX**

TOTAL No. OF CONTACTS  
 06, 10, 12, 14, 20,  
 26, 34, 42, 50

FINISH CODE

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



CP	1	01.09.10	10870
NAME	ISS.	DATE	C/NOTE
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DRAWN: B. M. KENT			
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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:** DATAMATE J-TEK  
 FEMALE DIL SMALL BORE CRIMP WITH  
 'REVERSE FIX' JACKSCREW AND  
 3.5mm BOARD/PANEL MOUNT

**DRAWING NUMBER:**  
**M80-463XXXX**

SHT  
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