

# Customer Information Sheet

DRAWING No.: M80-457XX98 SHT 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATION:**

**MATERIAL:**

HOUSING = GLASS-FILLED POLYAMIDE 46,  
UL94V-0, BLACK

JACKSCREW, CIRCLIP = STAINLESS STEEL

**ELECTRICAL:**

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

CONTACT RESISTANCE = 25 mΩ MAX

INSULATION RESISTANCE = 100 MΩ MIN

**MECHANICAL:**

DURABILITY = 400 OPERATIONS

INSERTION FORCE = 2.8N MAX

WITHDRAWAL FORCE = 0.2N MIN

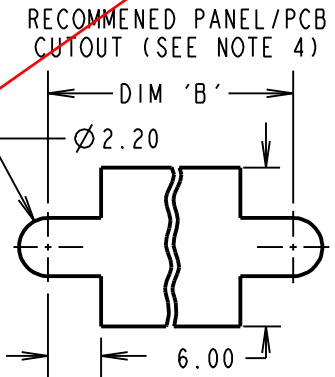
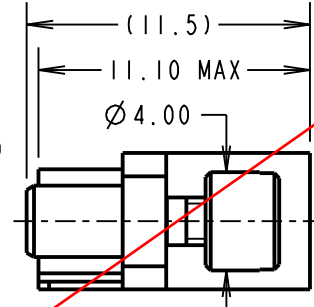
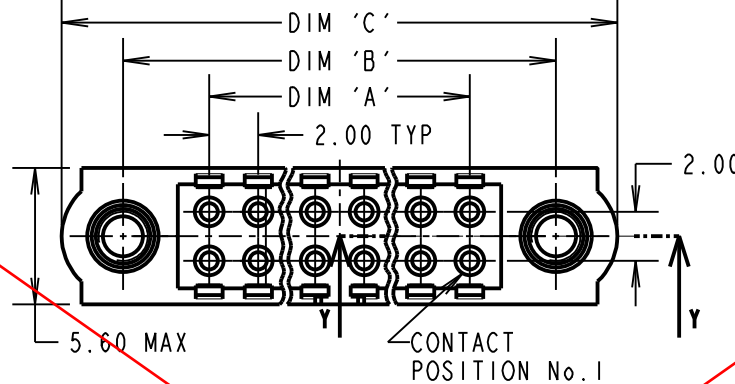
**ENVIRONMENTAL:**

TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**

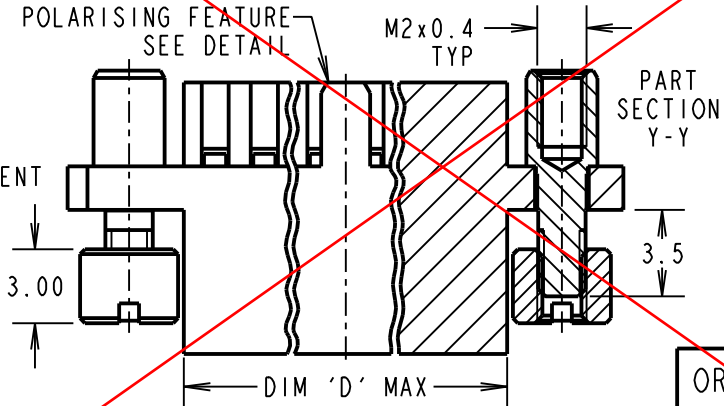
BAG

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C040XX (LATEST ISSUE)



**NOTES:**

1. POLARISING FEATURE STYLE DEPENDANT ON NUMBER OF CONTACT POSITIONS.
2. HOUSING TO BE USED WITH DATAMATE TRIO-TEK CRIMP CONTACTS:  
M80-25300XX = 24-22 AWG REELED  
M80-25400XX = 28-26 AWG REELED  
M80-28300XX = 24-22 AWG LOOSE  
M80-28400XX = 28-26 AWG LOOSE
3. THE SPECIFICATION APPLIES WHEN HOUSING IS USED WITH THE ABOVE CONTACTS.
4. RECOMMENDED PANEL/PCB THICKNESS = 1.3-1.6MM
5. CONTACT EXTRACTION TOOL = Z80-258.
6. INSTRUCTION SHEETS ARE AVAILABLE.

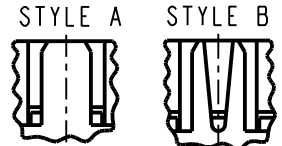


**OBSOLETE**

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACT POSITIONS - 2
DIM 'B'	TOTAL No. OF CONTACT POSITIONS + 5
DIM 'C'	TOTAL No. OF CONTACT POSITIONS + 10
DIM 'D'	TOTAL No. OF CONTACT POSITIONS + 0.59

EXAMPLE: CONNECTOR WITH 20 CONTACT POSITIONS, M80-4572098  
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

POLARISING FEATURE  
DETAIL SEE NOTE 1



ORDER CODE:  
**M80-457XX98**

TOTAL No. OF CONTACT POSITIONS: 04, 06, 08, 10, 12, 14, 20, 26, 28, 34, 42, 50

PLEASE CONTACT: [datamate@harwin.com](mailto:datamate@harwin.com)  
FOR CURRENT AVAILABILITY

MSP	4	07.01.16	13139
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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**TOLERANCES**  
X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

**MATERIAL:**  
SEE ABOVE

**FINISH:**

**S/AREA:** mm<sup>2</sup>

**TITLE:** DATAMATE TRIO-TEK FEMALE CRIMP HOUSING WITH REVERSE FIX JACKSCREW

**DRAWING NUMBER:**  
**M80-457XX98**

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