

# Customer Information Sheet

DRAWING No.: M80-454XX98 SHT 4 OF 4 IF IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

## SPECIFICATION:

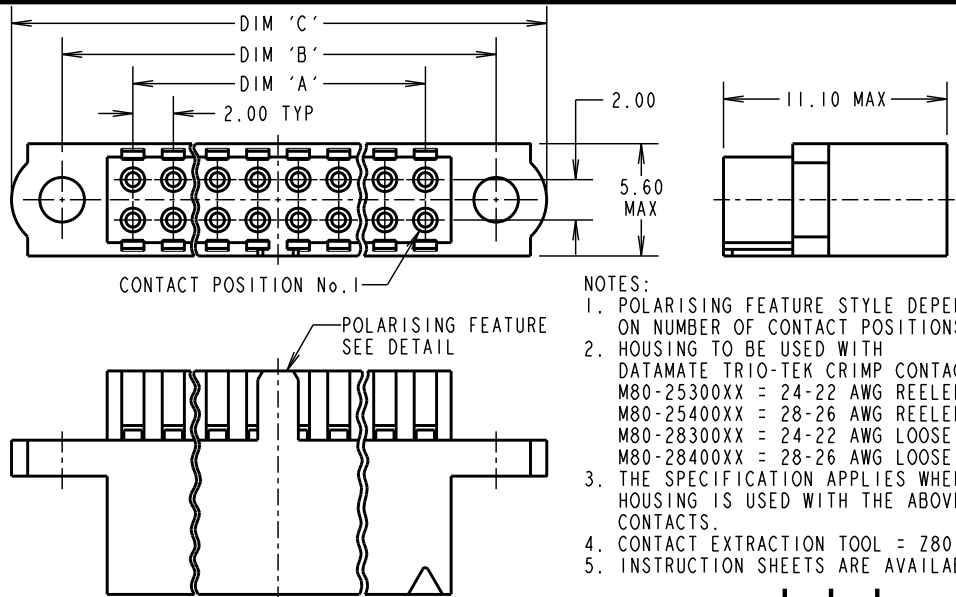
**MATERIAL:**  
HOUSING = GLASS-FILLED POLYAMIDE 46,  
UL94V-0, BLACK

**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 = 400 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:**  
BAG  
FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C040XX (LATEST ISSUE)

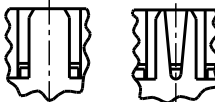


- NOTES:**
1. POLARISING FEATURE STYLE DEPENDANT ON NUMBER OF CONTACT POSITIONS.
  2. HOUSING TO BE USED WITH DATAMATE TRIO-TEK CRIMP CONTACTS:  
M80-25300XX = 24-22 AWG REELED  
M80-25400XX = 28-26 AWG REELED  
M80-28300XX = 24-22 AWG LOOSE  
M80-28400XX = 28-26 AWG LOOSE
  3. THE SPECIFICATION APPLIES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

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
EXAMPLE: CONNECTOR WITH 20 CONTACT POSITIONS, M80-4542098	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

POLARISING FEATURE  
DETAIL  
SEE NOTE 1

STYLE A      STYLE B



ORDER CODE:  
**M80-454XX98**

TOTAL No. OF  
CONTACT POSITIONS \_\_\_\_\_  
04 TO 50 (EVEN NUMBERS ONLY)

PLEASE CONTACT  
datamate@harwin.com  
FOR CURRENT AVAILABILITY

SF	3	10.09.10	10868
NAME	ISS.	DATE	C/NOTE
APPROVED: SF			
CHECKED: MGP			
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:**

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

**TITLE:**  
DATAMATE TRIO-TEK  
FEMALE CRIMP HOUSING

**DRAWING NUMBER:**  
**M80-454XX98**

SHT  
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