

Customer Information Sheet

DRAWING No.:M80-459XX98

IF IN DOUBT - ASK

©

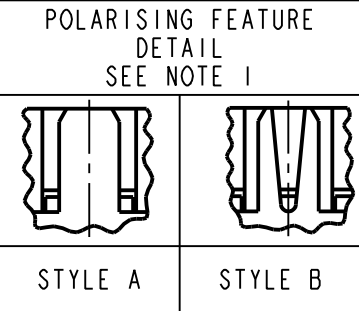
NOT TO SCALE

THIRD ANGLE PROJECTION

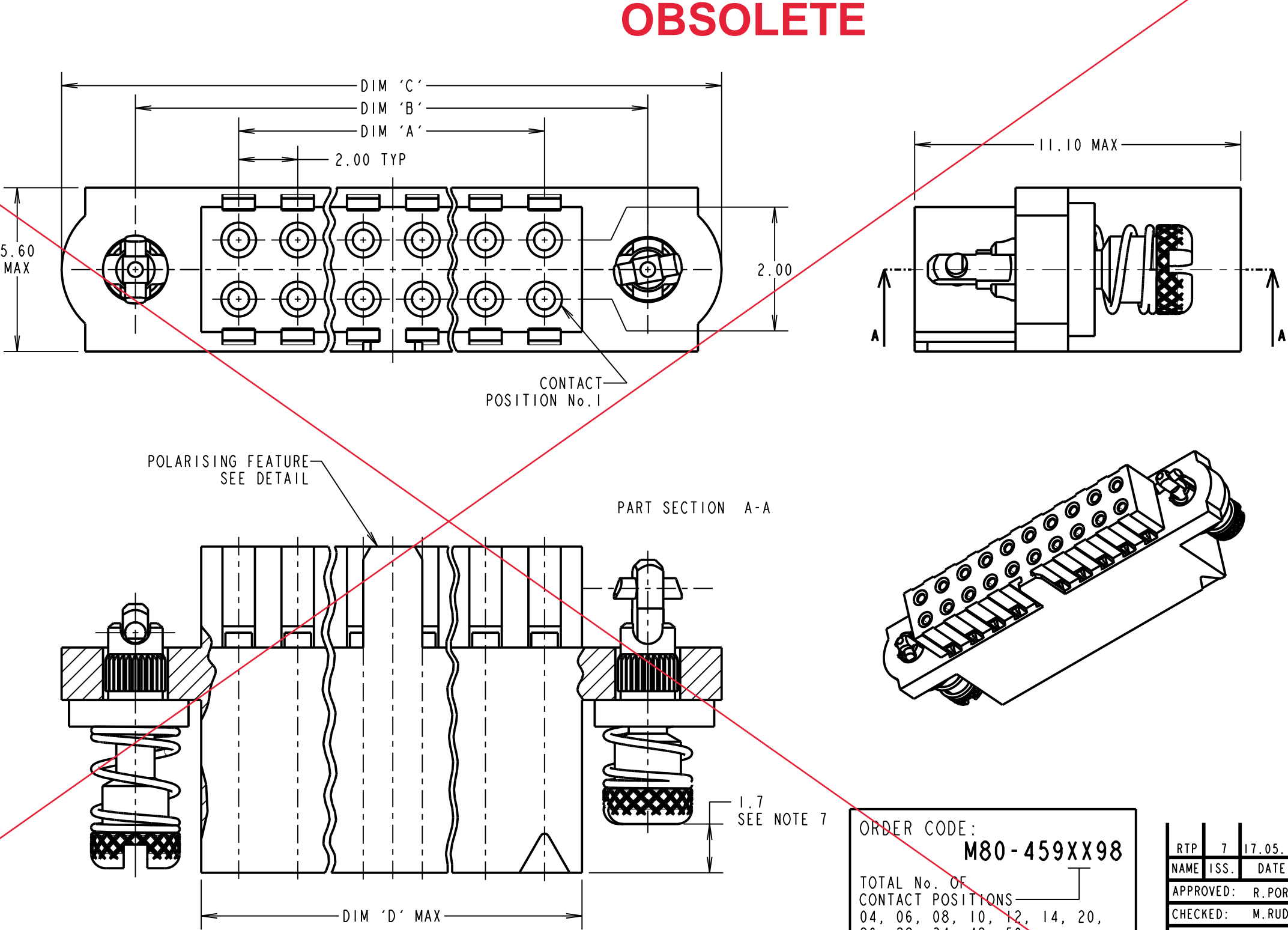
ALL DIMENSIONS IN mm

**SPECIFICATION:**  
MATERIAL:  
HOUSING = GLASS-FILLED POLYAMIDE 46,  
UL94V-0, BLACK  
10ILOK SCREW, COLLAR = STAINLESS STEEL  
SPRING = MUSIC WIRE  
FINISH:  
SPRING = TIN COATED  
ELECTRICAL:  
CURRENT RATING AT 25°C = 3.3A MAX  
CURRENT RATING AT 85°C = 2.6A MAX  
WORKING VOLTAGE = 800V AC/DC  
VOLTAGE PROOF = 1200V AC/DC  
CONTACT RESISTANCE = 25mΩ MAX  
INSULATION RESISTANCE = 100MΩ MIN  
MECHANICAL:  
DURABILITY = 400 OPERATIONS  
INSERTION FORCE = 2.0N 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. CONTACT EXTRACTION TOOL = Z80-258.
  5. INSTRUCTION SHEETS ARE AVAILABLE.
  6. SPRING LOAD WHEN SOLID = 2.64N.  
SPRING RATE = 1.32N/mm.
  7. LENGTH WILL BE 1.7mm WHEN 10I-SCREWS ARE ENGAGED WITH RETAINERS IN MATING CONNECTOR.



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, M80-4592098	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	



ORDER CODE:  
**M80-459XX98**

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

PLEASE CONTACT  
datamate@harwin.com  
FOR CURRENT AVAILABILITY

RTP	7	17.05.19	21531
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: M.RUDKIN			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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**TOLERANCES**  
X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.20mm  
X.XXX = ±0.01mm  
  
ANGLES = ±5°  
UNLESS STATED

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

**TITLE:** DATAMATE TRIO-TEK FEMALE CRIMP HOUSING WITH 10ILOK JACKSCREWS  
  
**DRAWING NUMBER:** **M80-459XX98**  
  
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