

Customer Information Sheet

DRAWING No.: M80-459XX98

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
10ILOK SCREW, COLLAR = STAINLESS STEEL
SPRING = MUSIC WIRE

FINISH:

SPRING = TIN COATED

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 = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

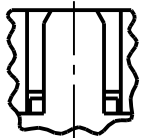
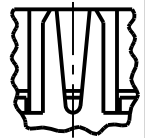
PACKING:

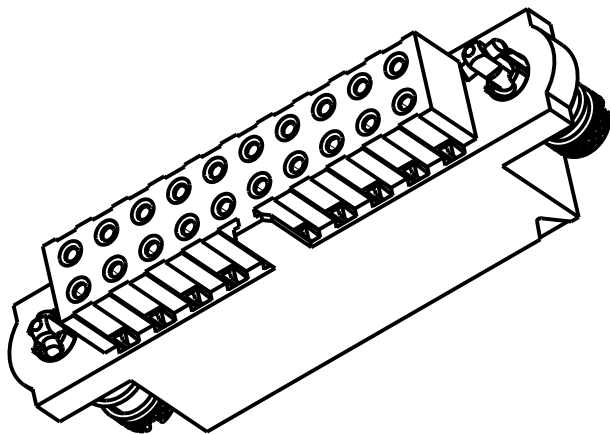
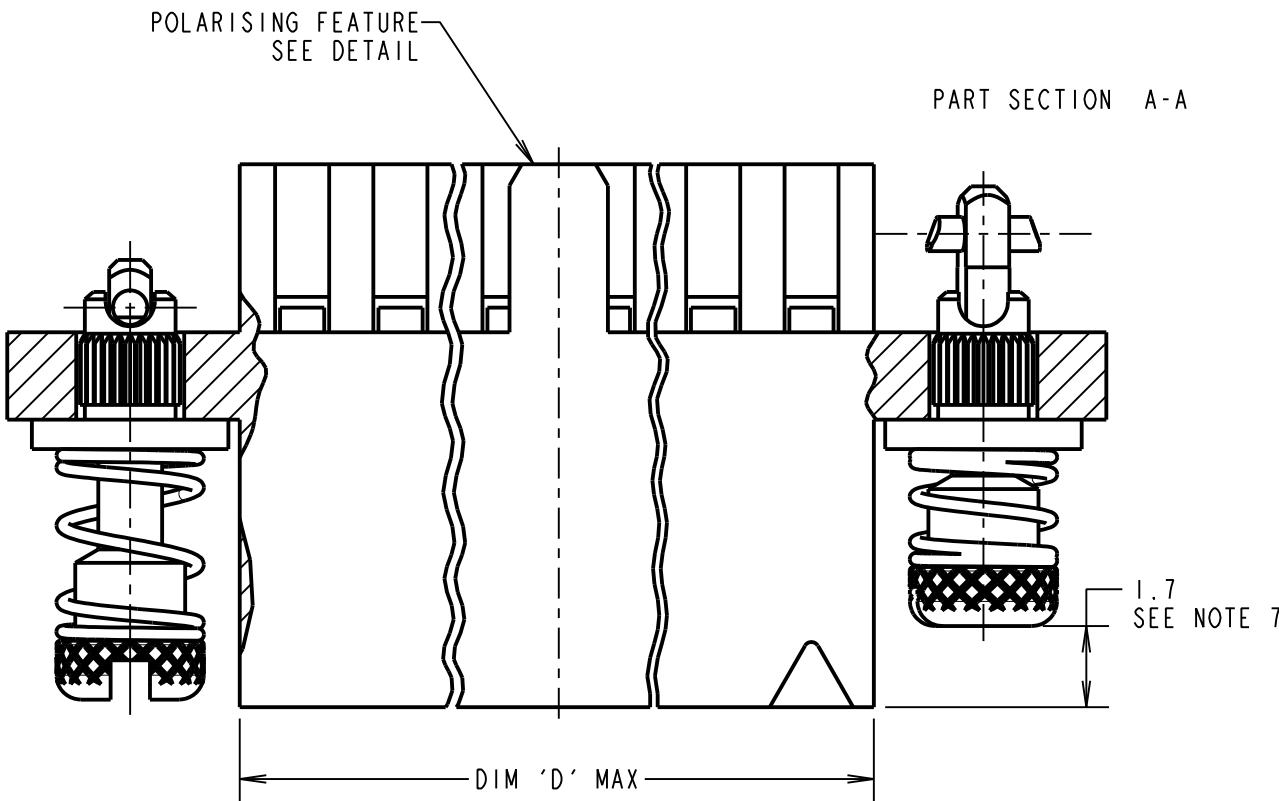
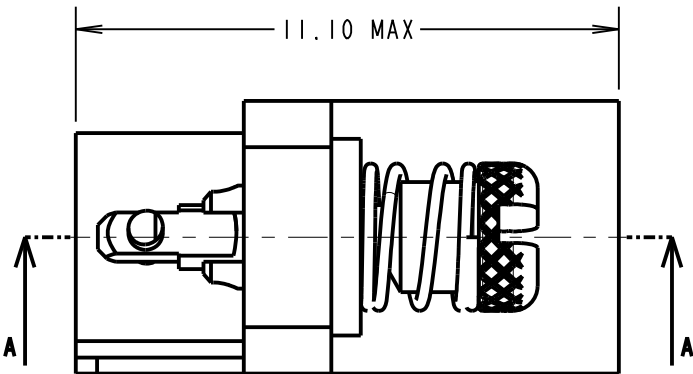
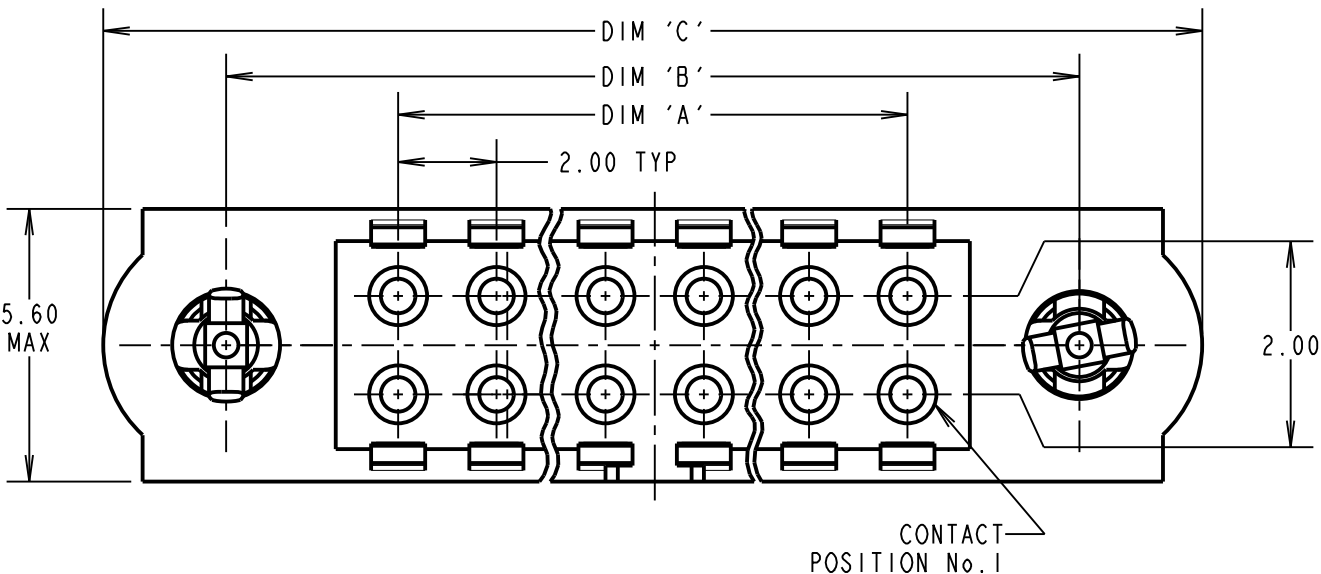
BAG

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. 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.

POLARISING FEATURE DETAIL SEE NOTE 1	
	
STYLE A	STYLE B



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

SB	4	30.06.11	11346
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: M.G.PLESTED			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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

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 ²

TITLE: DATAMATE TRIO-TEK
FEMALE CRIMP HOUSING
WITH 10ILOK JACKSCREWS

DRAWING NUMBER:
M80-459XX98

SHT
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