

Customer Information Sheet

DRAWING No.: M80-455XX98 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 = 120V AC/DC
VOLTAGE PROOF = 360V AC/DC
CONTACT RESISTANCE = 25 mΩ MAX
INSULATION RESISTANCE = 100 MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN

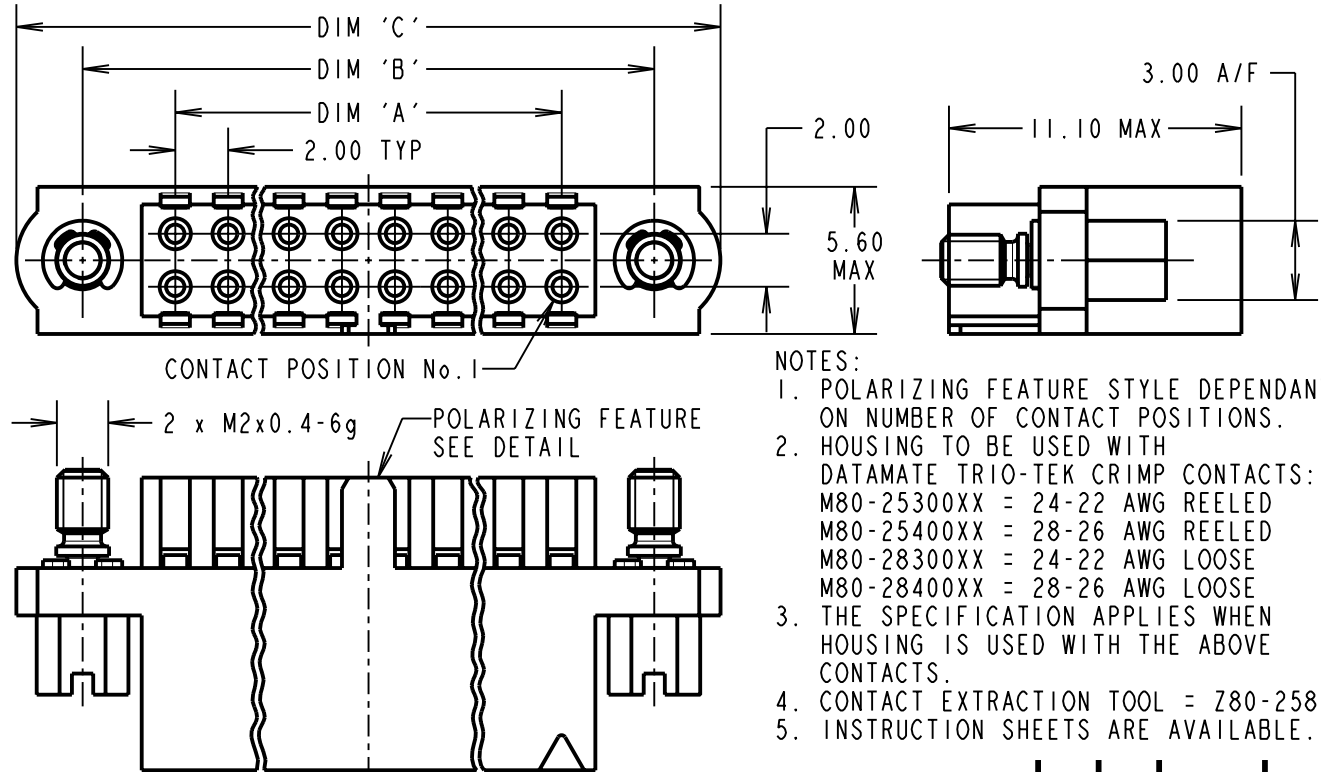
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

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



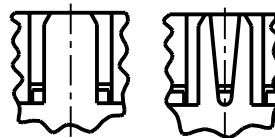
NOTES:

1. POLARIZING 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, M80-4552098 | |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm | |

POLARIZING FEATURE
DETAIL
SEE NOTE 1

STYLE A STYLE B



ORDER CODE:

M80-455XX98

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

PLEASE CONTACT
datamate@harwin.com
FOR CURRENT AVAILABILITY

| | | | |
|----------------|------|------------|--------|
| SF | 1 | 07.07.09 | 10370 |
| 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: mm²

TITLE: DATAMATE TRIO-TEK
FEMALE CRIMP HOUSING
WITH SLOTTED JACKSCREW
DRAWING NUMBER:
M80-455XX98

SHT
2 OF 2