

# Customer Information Sheet

DRAWING No.: M80-455XX98 SHT 2 OF 2

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

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 = 400 OPERATIONS

INSERTION FORCE = 2.8N MAX

WITHDRAWAL FORCE = 0.2N MIN

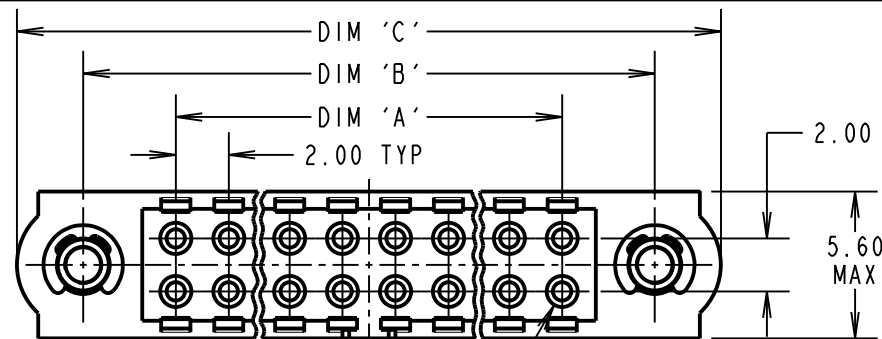
### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

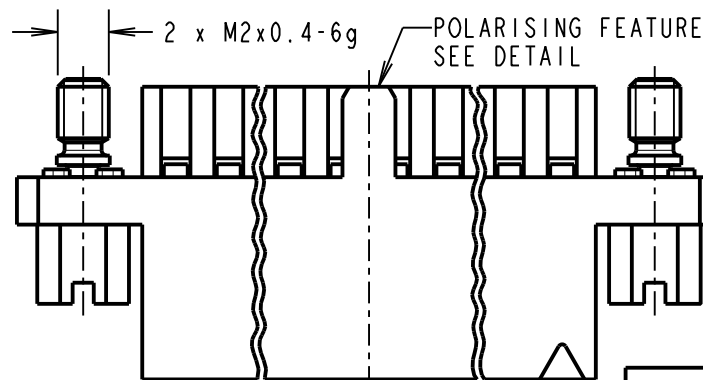
### PACKING:

BAG

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

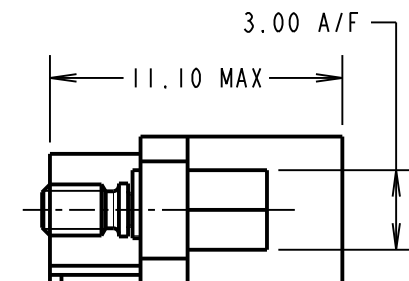
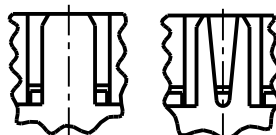


CONTACT POSITION No.1



POLARISING FEATURE  
DETAIL  
SEE NOTE 1

STYLE A STYLE B



### 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, M80-4552098 |                                     |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm   |                                     |

ORDER CODE:

**M80-455XX98**

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             | 3    | 30.06.11    | 11346  |
| NAME           | ISS. | DATE        | C/NOTE |
| APPROVED:      |      | S.BENNETT   |        |
| CHECKED:       |      | M.G.PLESTED |        |
| 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  
WITH SLOTTED JACKSCREW

DRAWING NUMBER:

**M80-455XX98**

SHT  
2 OF 2