

# Customer Information Sheet

DRAWING No.: M80-691XX98 SHEET 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

### 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 (Ø0.5mm GAUGE) = 2.8N MAX  
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

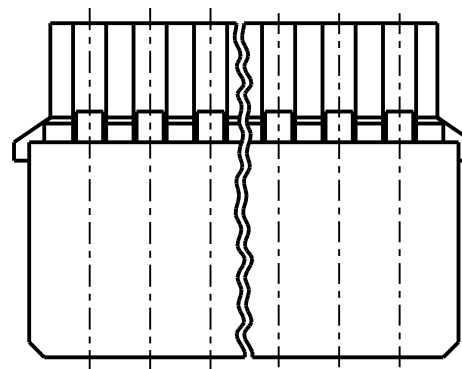
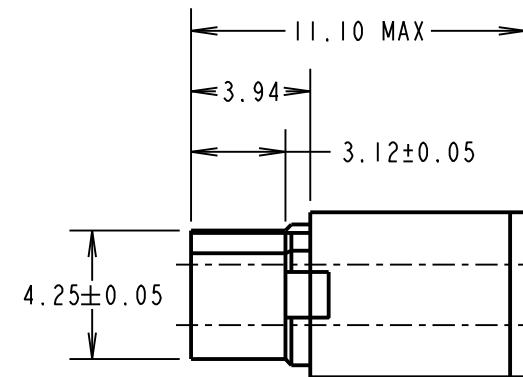
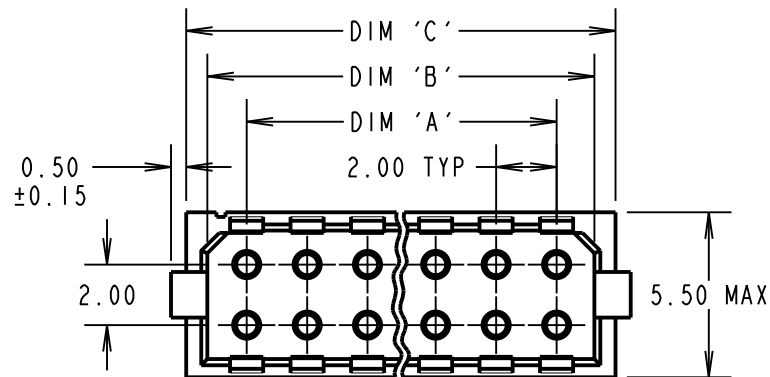
### ENVIRONMENTAL

TEMPERATURE RANGE = -55°C TO +125°C

### PACKING

BAG

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



## NOTES:

- 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
- SPECIFICATION APPLIES WHEN HOUSING IS USED WITH THE ABOVE CONTACTS.
- CONTACT EXTRACTION TOOL = Z80-258.
- INSTRUCTION SHEETS ARE AVAILABLE.

| DIMENSION                                                 | CALCULATION                          |
|-----------------------------------------------------------|--------------------------------------|
| DIM 'A'                                                   | TOTAL No. OF CONTACT POSITIONS - 2.0 |
| DIM 'B'                                                   | TOTAL No. OF CONTACT POSITIONS + 0.6 |
| DIM 'C'                                                   | TOTAL No. OF CONTACT POSITIONS + 2.0 |
| EXAMPLE: CONNECTOR WITH 07 CONTACT POSITIONS, M80-6901498 |                                      |
| DIM 'A' = 12.0mm, DIM 'B' = 14.6mm, DIM 'C' = 16.0mm      |                                      |

## ORDER CODE:

**M80-691XX98**

TOTAL No. OF  
CONTACT POSITIONS ———  
04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34 & 44

|                |      |          |        |
|----------------|------|----------|--------|
| SF             | 2    | 04.01.11 | 11071  |
| NAME           | ISS. | DATE     | C/NOTE |
| APPROVED:      |      | SF       |        |
| CHECKED:       |      | RA       |        |
| DRAWN:         |      | S.FLOWER |        |
| 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  
DIL L-TEK FEMALE CRIMP HOUSING  
4-WAY TO 44-WAY

## DRAWING NUMBER:

**M80-691XX98**

SHT  
2 OF 2