

# 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

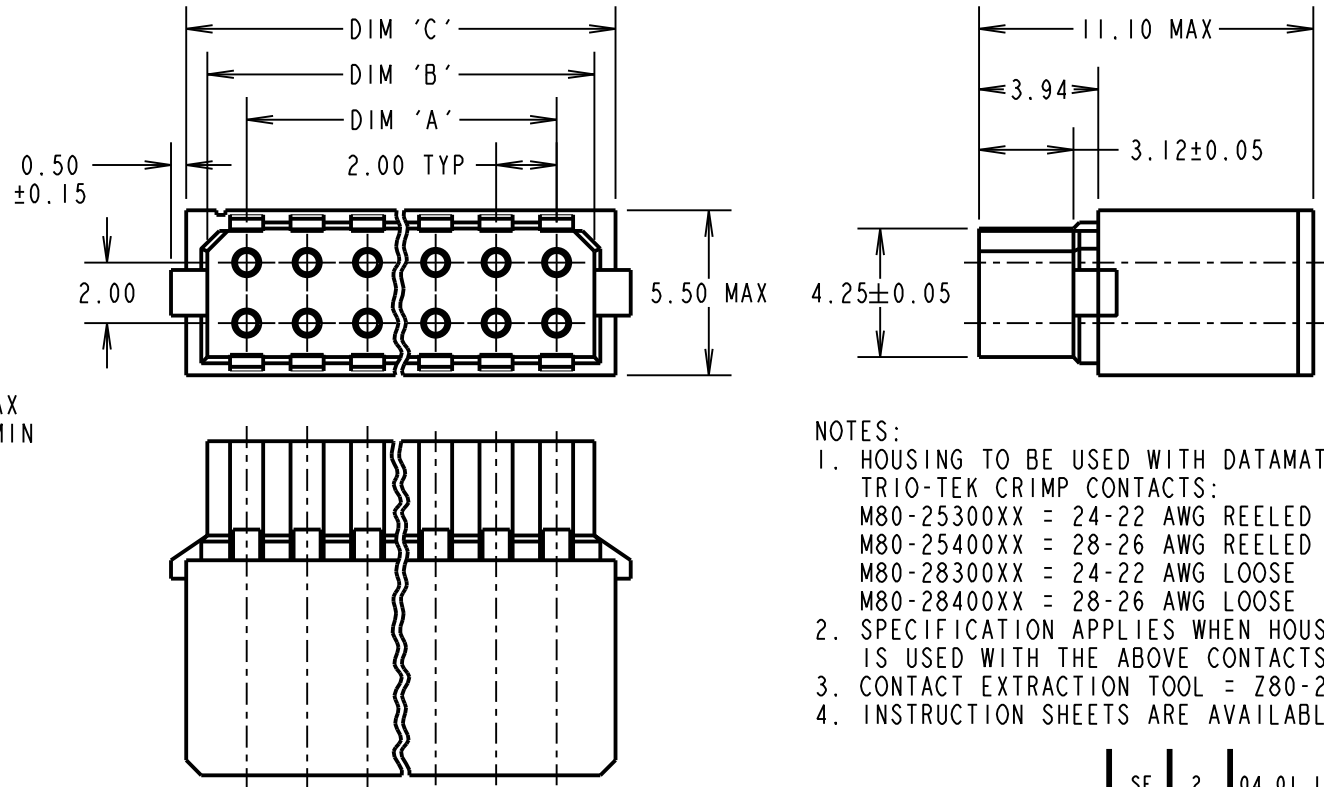
**MATERIAL**  
HOUSING = GLASS-FILLED POLYAMIDE 46,  
UL94V-0, BLACK

**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 (∅0.5mm GAUGE) = 2.8N MAX  
WITHDRAWAL FORCE (∅0.5mm 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