

# 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

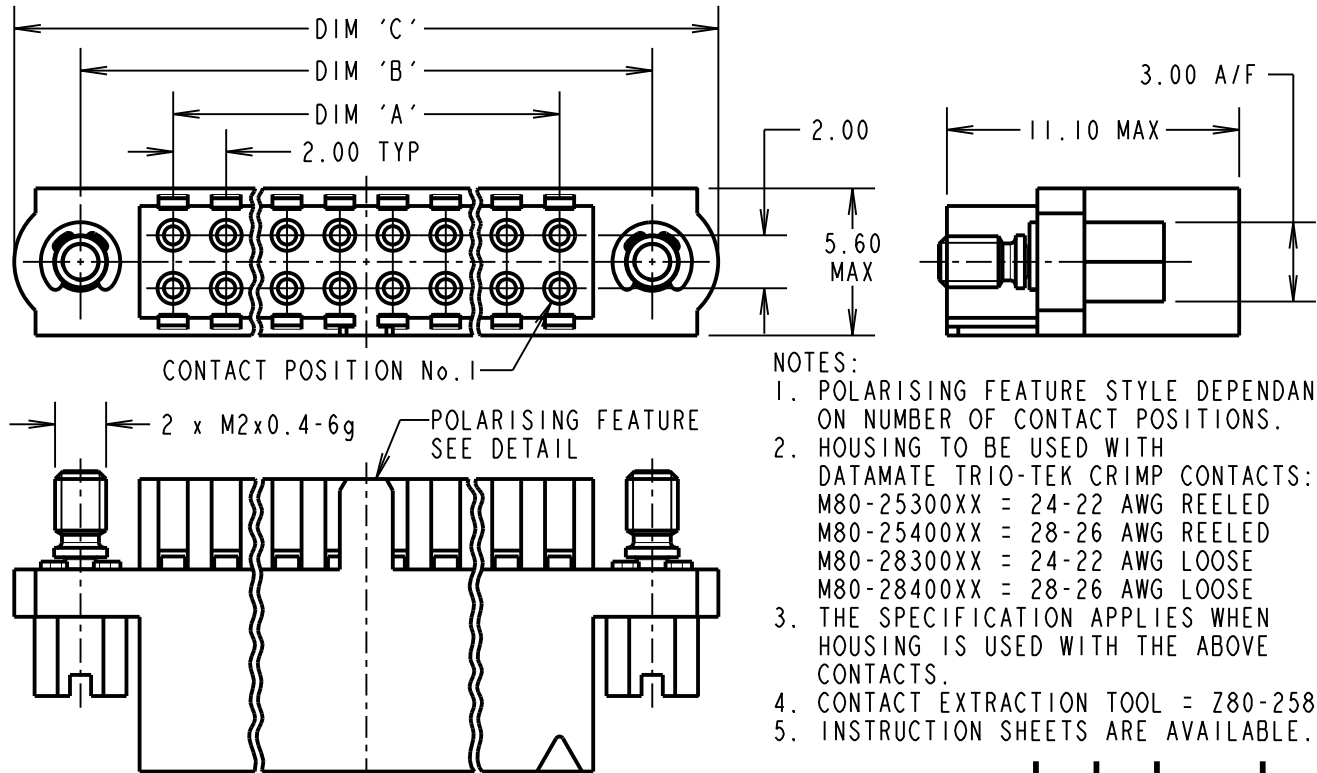
### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

BAG

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



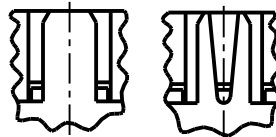
### NOTES:

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	

POLARISING 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

SM	2	04.08.10	10890
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: R. ADDE			
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