

Customer Information Sheet

DRAWING No.: M80-454XX98 SHT 4 OF 4

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 = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
CONTACT RESISTANCE = 25mΩ MAX
INSULATION RESISTANCE = 100MΩ MIN

MECHANICAL:

DURABILITY = 400 OPERATIONS
INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N MAX
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

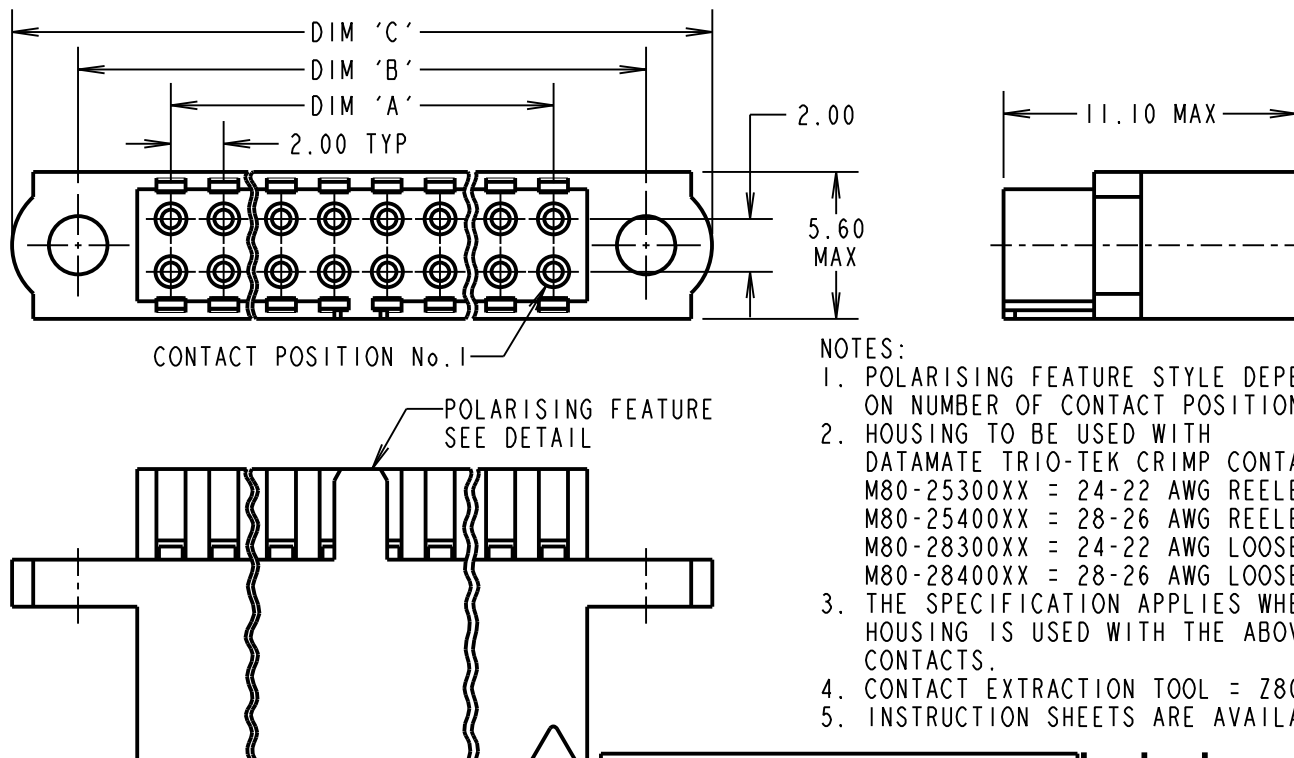
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

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



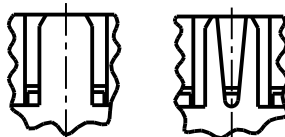
NOTES:

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, M80-4542098	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm	

POLARISING FEATURE
DETAIL
SEE NOTE 1

STYLE A STYLE B



ORDER CODE:

M80-454XX98

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

MSP	5	16.12.14	12732
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		S.BENNETT	
DRAWN:		B. M. KENT	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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THEIR WRITTEN PERMISSION.

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

DRAWING NUMBER:

M80-454XX98

SHT
4 OF 4

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-4540698](#) [M80-4540898](#) [M80-4541098](#) [M80-4541298](#) [M80-4542698](#) [M80-4545098](#) [M80-4541498](#) [M80-4544298](#) [M80-4542898](#) [M80-4540498](#) [M80-4542098](#) [M80-4543498](#)