

# Customer Information Sheet

DRAWING No.: M80-5L1XXXXMD

SHT 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATIONS:

## MATERIAL:

MOULDING = GLASS-FILLED PPS,  
UL94V-0, BLACK

CONTACT = PHOSPHOR BRONZE

10ILOK RETAINER = STAINLESS STEEL

## FINISH (CONTACTS):

05 = 0.75 $\mu$  GOLD ALL OVER22 = 0.75 $\mu$  GOLD ON CONTACT AREA,  
3 $\mu$  TIN/LEAD ON TAILS42 = 0.75 $\mu$  GOLD ON CONTACT AREA,  
3 $\mu$  100% TIN OVER NICKEL ON TAILS

## 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 = 25 m $\Omega$  MAXINSULATION RESISTANCE = 100 M $\Omega$  MIN

## MECHANICAL:

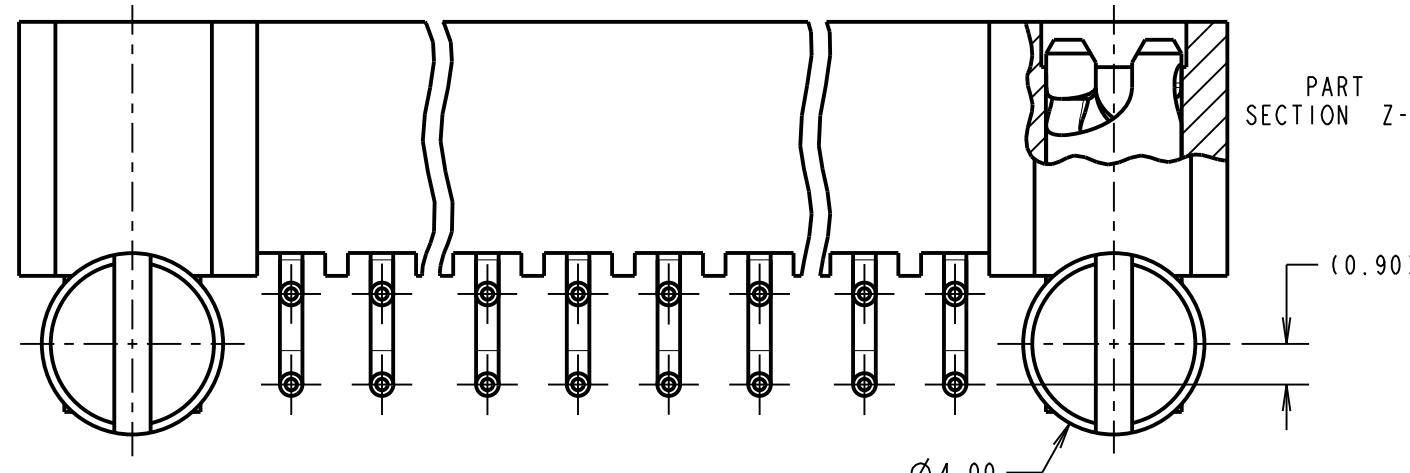
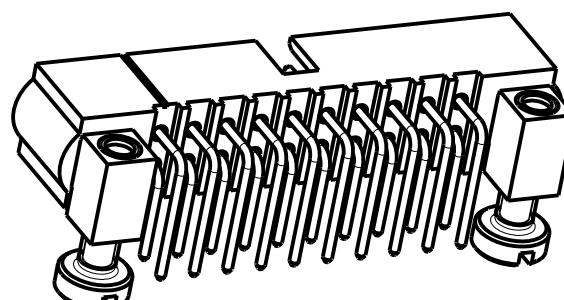
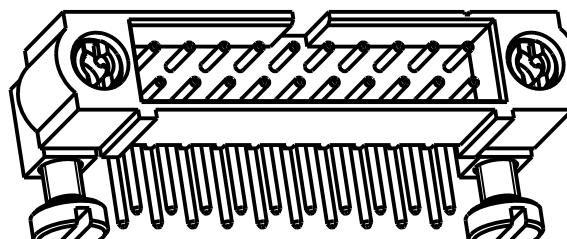
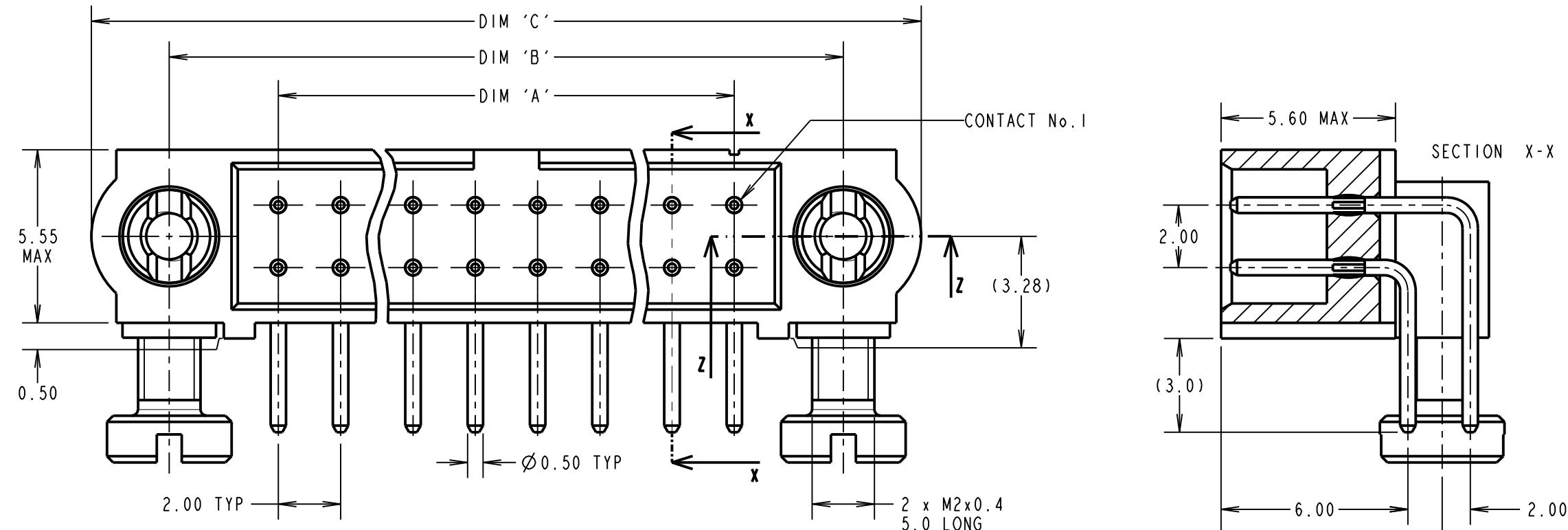
DURABILITY = 500 OPERATIONS

## ENVIRONMENTAL:

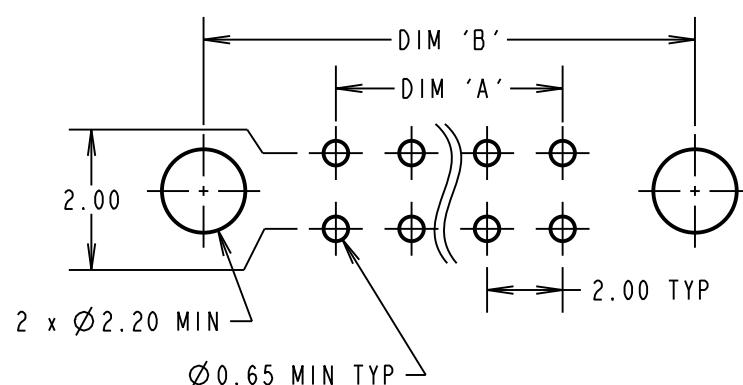
TEMPERATURE RANGE = -55°C TO +125°C

## PACKING:

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)

RECOMMENDED PCB LAYOUT



ORDER CODE: M80-5L1XXXXMD

TOTAL No. OF CONTACTS  
04 TO 50  
(EVEN NUMBERS ONLY)FINISH CODE  
05 - ALL OVER GOLD  
22 - GOLD ON CONTACT AREA / TIN/LEAD ON TAIL  
42 - GOLD ON CONTACT AREA / 100% TIN OVER  
NICKEL ON TAIL

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10

EXAMPLE ORDER CODE 1: CONNECTOR WITH 20 CONTACTS,  
GOLD ON CONTACT AREA AND 100% TIN OVER NICKEL ON TAIL

M80-5L12042MD

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm.

**HARWIN**  
[www.harwin.com](http://www.harwin.com)  
[technical@harwin.com](mailto:technical@harwin.com)

 THIS DRAWING AND ANY  
 INFORMATION OR DESCRIPTIVE  
 MATTER SET OUT HEREON ARE  
 CONFIDENTIAL AND COPYRIGHT  
 PROPERTY OF THE HARWIN  
 GROUP AND MUST NOT BE  
 DISCLOSED, LOANED, COPIED  
 OR USED FOR MANUFACTURING,  
 TENDERING OR FOR ANY  
 OTHER PURPOSE WITHOUT  
 THEIR WRITTEN PERMISSION.

## TOLERANCES

 $X = \pm 1\text{mm}$   
 $X \times = \pm 0.25\text{mm}$   
 $X \times \times = \pm 0.10\text{mm}$   
 $X \times \times \times = \pm 0.01\text{mm}$   
 ANGLES =  $\pm 5^\circ$   
 UNLESS STATED

## MATERIAL:

SEE ABOVE

 TITLE: DATAMATE MIX-TEK DIL HORIZ  
 3mm PC-TAIL MALE ASSY WITH  
 10ILOK BOARD MOUNT RETAINERS

 DRAWING NUMBER:  
 M80-5L1XXXXMD

 SHT  
 2  
 OF  
 2

 SF 3 04.07.13 12138  
 NAME ISS. DATE C/NOTE  
 APPROVED: S.FLOWER  
 CHECKED: M.PLESTED  
 DRAWN: S.FLOWER  
 CUSTOMER REF.:  
 ASSEMBLY DRG:

# Mouser Electronics

Authorized Distributor

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

[Harwin](#):

[M80-5L12042MD](#) [M80-5L10642MD](#) [M80-5L11042MD](#) [M80-5L13042MD](#) [M80-5L11442MD](#) [M80-5L11842MD](#) [M80-5L12442MD](#) [M80-5L11405MD](#) [M80-5L11005MD](#) [M80-5L10842MD](#)