

Customer Information Sheet

DRAWING No.: M80-4S1XXXXF8

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = COPPER ALLOY
 JACKSCREW, NUT, WASHER = STAINLESS STEEL

FINISH:
 01 = 0.3µm GOLD CLIP, 3.5-5.0µm TIN/LEAD SHELL
 05 = 0.3µm GOLD CLIP, 0.25-0.3µm GOLD SHELL
 42 = 0.3µm GOLD CLIP,
 3.5-5.0µm 100% TIN OVER NICKEL SHELL

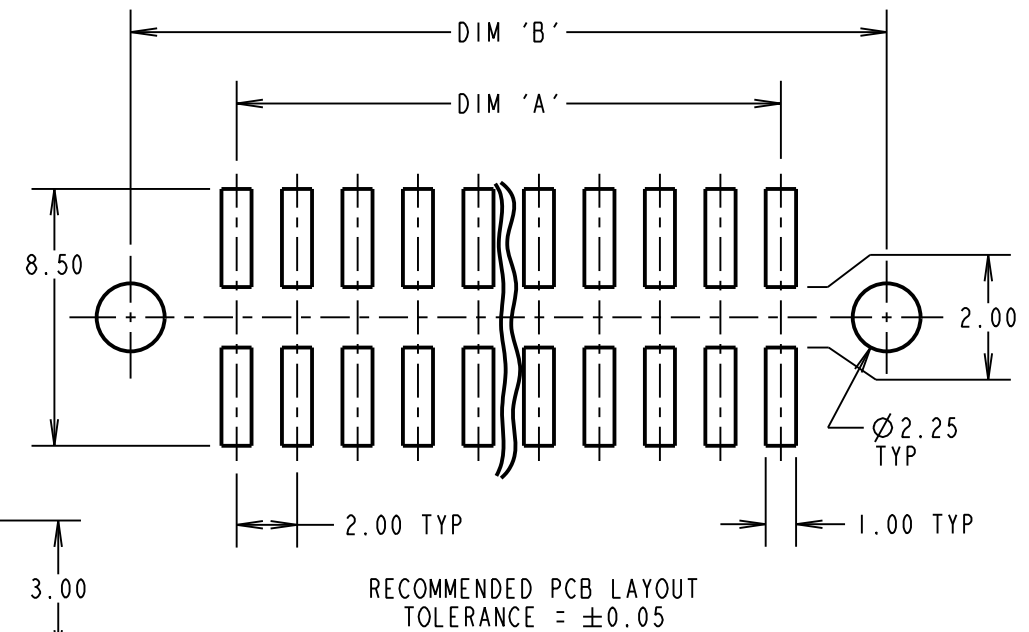
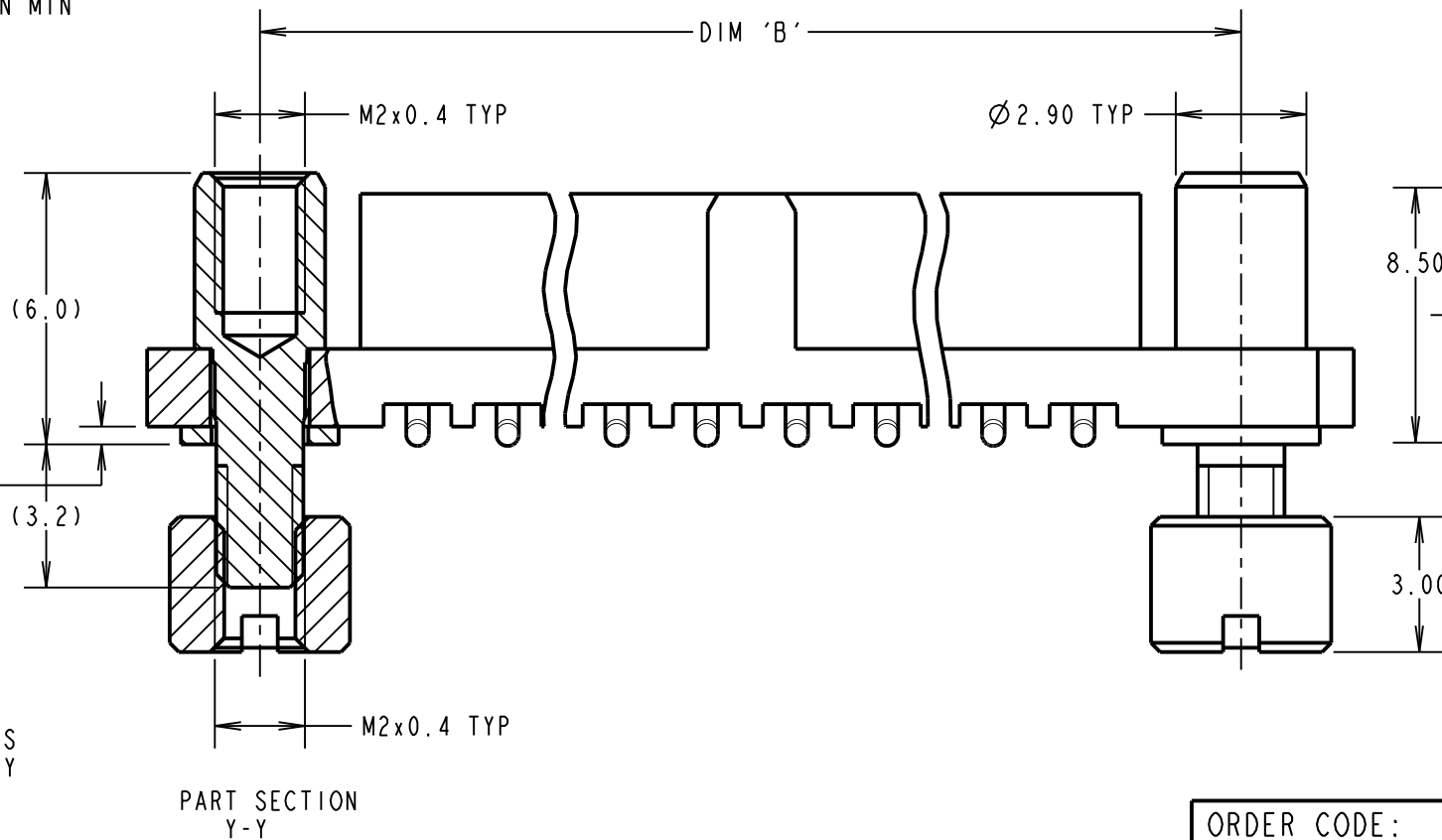
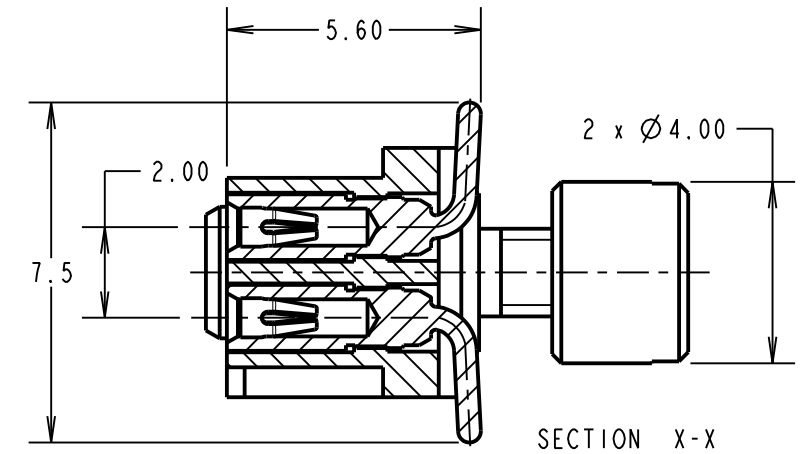
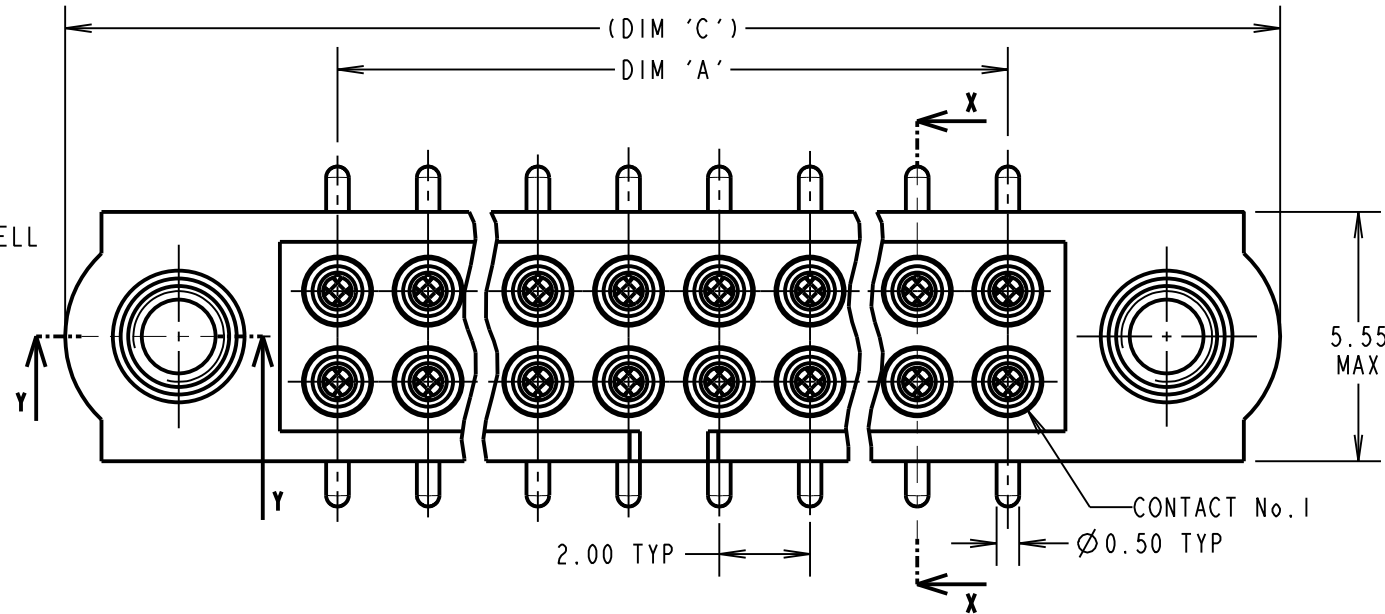
ELECTRICAL:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 WORKING VOLTAGE = 800V AC/DC
 VOLTAGE PROOF = 1200V AC/DC
 CONTACT RESISTANCE = 25mΩ MAX
 INSULATION RESISTANCE = 100MΩ MIN

MECHANICAL:
 DURABILITY = 500 OPERATIONS
 INSERTION FORCE (∅0.5mm GAUGE) = 2.0N MAX
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

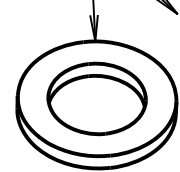
ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +125°C

PACKING:
 TUBE

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



SEE NOTE 2



0.4 MAX
WASHER

NOTES:

- CONNECTOR IS SUPPLIED WITH BOARD MOUNT NUTS AND WASHERS NOT ASSEMBLED AS SHOWN. THEY ARE SUPPLIED IN A BAG ATTACHED TO PACKING TUBE.
- SUPPLIED M2 WASHERS MUST BE ASSEMBLED BETWEEN MOULDING AND PCB TO PREVENT BOWING WHEN ASSEMBLING BM NUTS.

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2.00
DIM 'B'	TOTAL No. OF CONTACTS + 5.00
DIM 'C'	TOTAL No. OF CONTACTS + 10.0

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4S12042F8

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.0mm

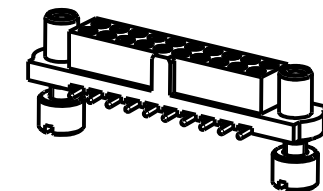
ORDER CODE:

M80-4S1XXXXF8

TOTAL No. OF CONTACTS
 04 TO 50
 (EVEN NUMBERS ONLY)

FINISH CODE

01 - GOLD CLIP, TIN/LEAD SHELL
 05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL



MGP	2	27.05.20	30042
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RA			
DRAWN: M G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN
 www.harwin.com
 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. = ±1mm
 X.X = ±0.50mm
 X.XX = ±0.20mm
 X.XXX = ±0.01mm
 ANGLES = 2±5°
 UNLESS STATED

MATERIAL:
 SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: DATAMATE J-TEK FEMALE VERTICAL SMT ASSY WITH REV FIX BOARD MOUNT
DRAWING NUMBER: M80-4S1XXXXF8
 SHT 2 OF 2