

Customer Information Sheet

DRAWING No.: M80-542XXXX

SHEET 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 = COPPER ALLOY

JACKSCREW = STAINLESS STEEL

FINISH (ALL OVER NICKEL):

05 = 0.75µ GOLD ALL OVER

22 = 0.75µ GOLD ON CONTACT AREA,

3µm 90/10 TIN/LEAD ON TAILS

42 = 0.75µ GOLD ON CONTACT AREA,

3µm 100% TIN 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 mΩ MAX

INSULATION RESISTANCE = 100 MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING: TUBE

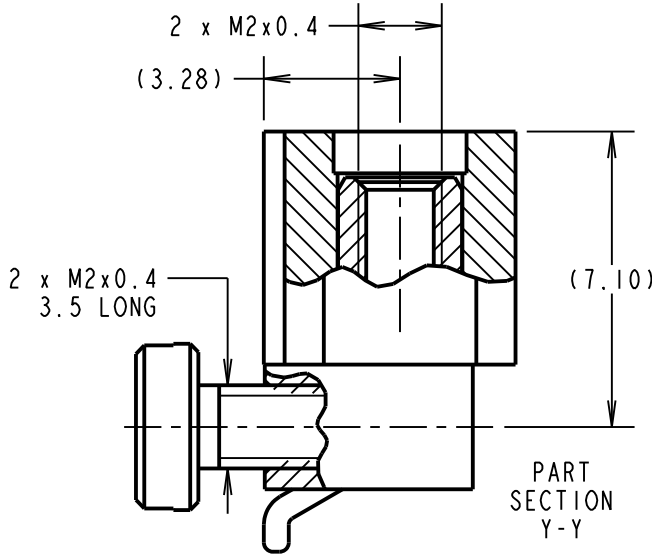
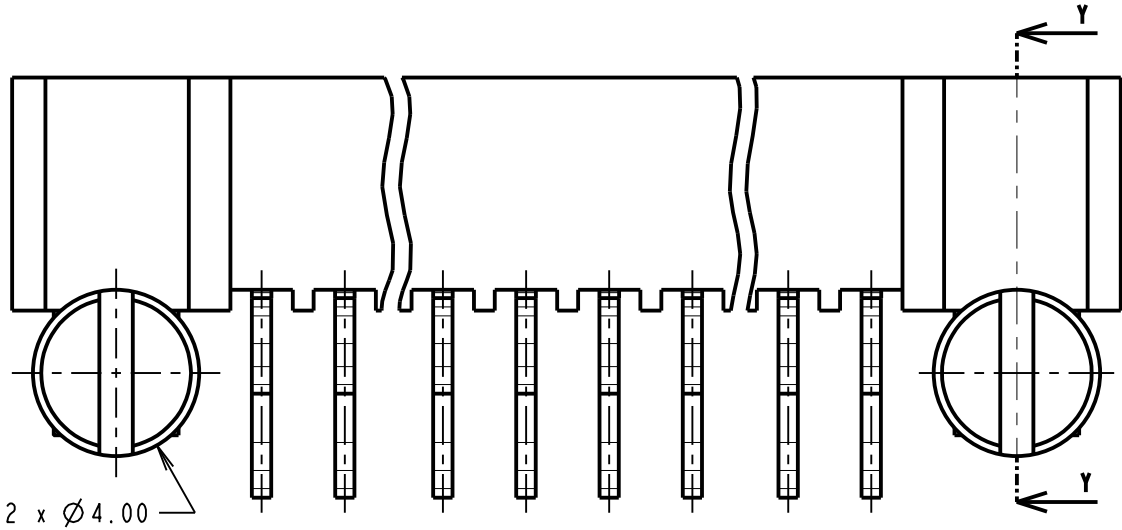
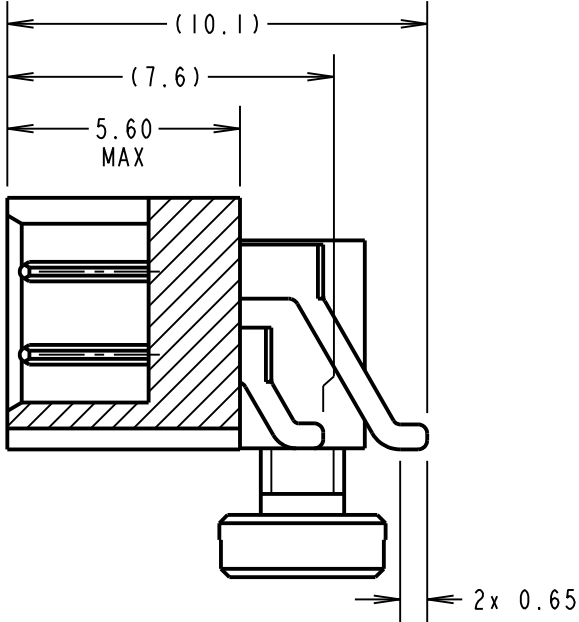
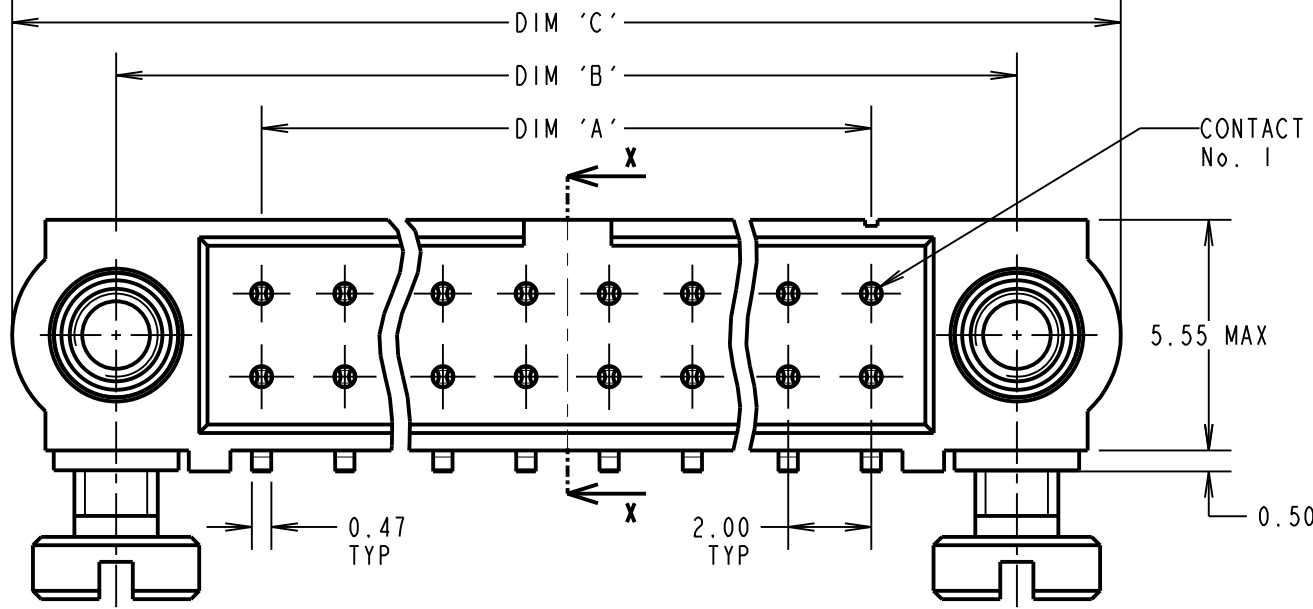
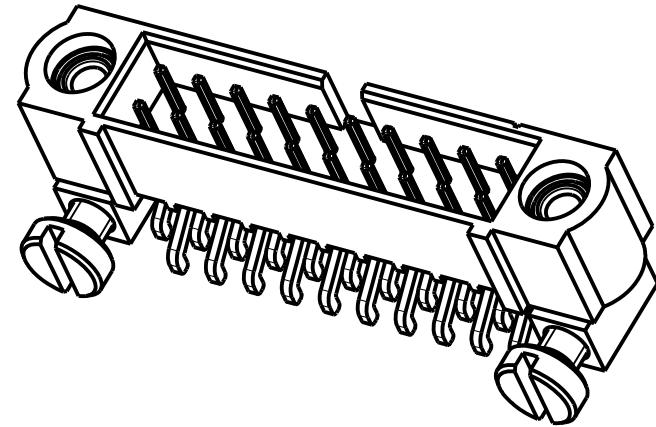
FOR COMPLETE SPECIFICATION, SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE)

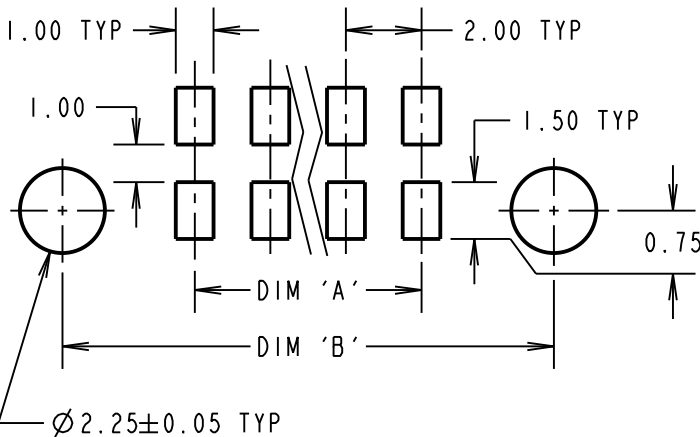
NOTES:

1. BOARD MOUNT SCREWS SUPPLIED LOOSE IN A BAG

NOT AS SHOWN.



RECOMMENDED PCB LAYOUT



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

EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-5422042

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

ORDER CODE:

M80-542XXXX

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

FINISH

05 - GOLD ALL OVER
22 - GOLD, 90/10 TIN/LEAD
42 - GOLD, 100% TIN

MSP	9	12.10.16	20095
NAME	ISS.	DATE	C/NOTE
APPROVED:	M.PERREN		
CHECKED:	M.PLESTED		
DRAWN:	W. J. BOURNE		
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

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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:

SEE ABOVE

S/AREA:

mm²

TITLE: DATAMATE J-TEK DIL
HORIZ SMT MALE ASSY
WITH BOARD MOUNT

DRAWING NUMBER:

M80-542XXXX

SHT
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