

Customer Information Sheet

DRAWING No.: M80-485XXXX

SHEET 2 OF 2

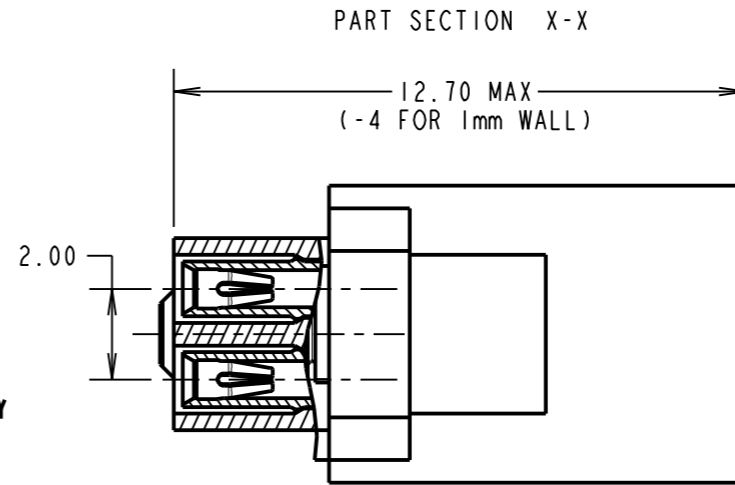
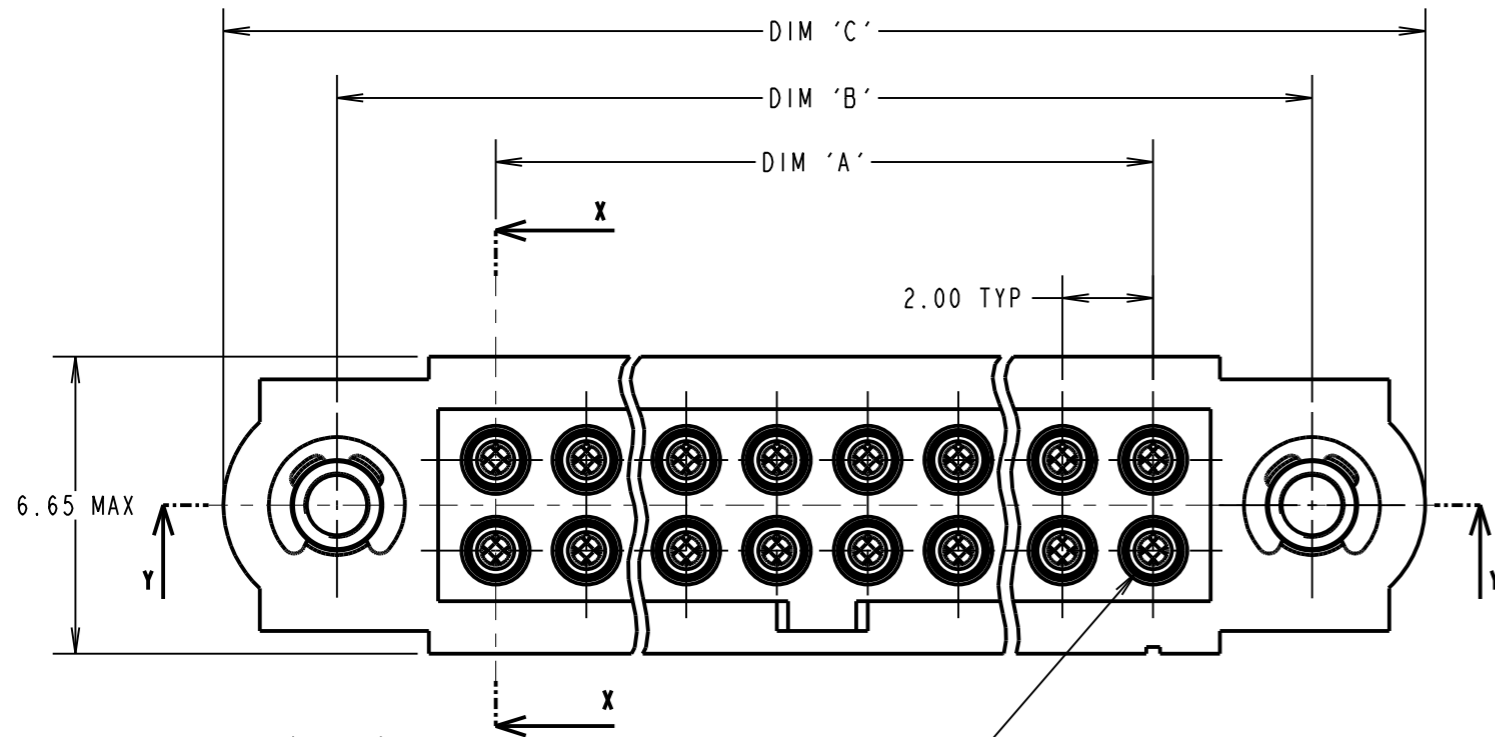
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



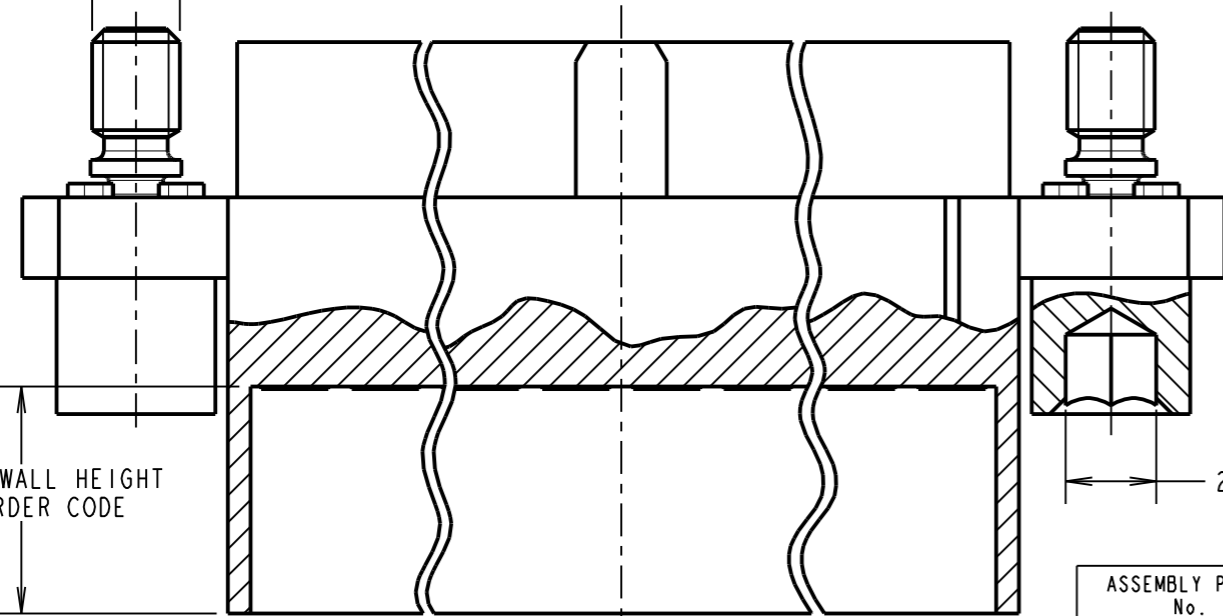
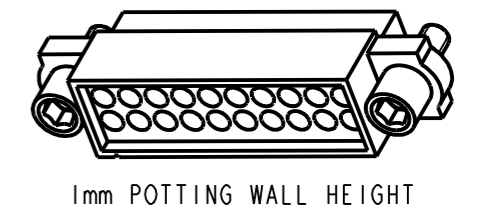
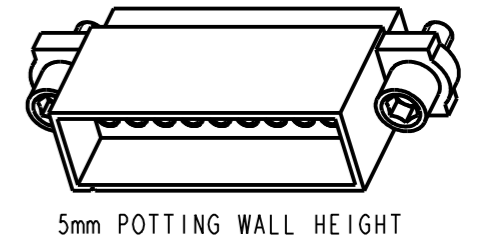
2 x M2x0.4-6g

CONTACT No. 1

POTTING WALL HEIGHT
SEE ORDER CODE

2.00 A/F HEX SOCKET

SPECIFICATIONS:
MATERIAL:
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = BRASS
 JACKSCREW, CIRCLIP = STAINLESS STEEL
FINISH:
 05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
 42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN 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) = 2N MAX
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN
ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +125°C
PACKING:
 LOOSE
 FOR COMPLETE SPECIFICATION, SEE
 COMPONENT SPECIFICATION C005XX
 (LATEST ISSUE)



PART SECTION Y-Y

ASSEMBLY PART No.	No. OF CONTACTS	DIM 'A'	DIM 'B'	DIM 'C'
M80-48506XXX	6	4.00	11.00	16.00
M80-48510XXX	10	8.00	15.00	20.00
M80-48512XXX	12	10.00	17.00	22.00
M80-48514XXX	14	12.00	19.00	24.00
M80-48518XXX	18	16.00	23.00	28.00
M80-48520XXX	20	18.00	25.00	30.00
M80-48526XXX	26	24.00	31.00	36.00
M80-48534XXX	34	32.00	39.00	44.00
M80-48542XXX	42	40.00	47.00	52.00
M80-48550XXX	50	48.00	55.00	60.00

NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-0110005 FOR M80-485XX05 AND M80-0110001 FOR M80-485XX42.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = ∅1.10mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

ORDER CODE:

M80-485XXXXX

TOTAL No. OF CONTACTS
 06, 10, 12, 14, 18, 20,
 26, 34, 42, 50

FINISH
 05 - GOLD CLIP, GOLD SHELL
 42 - GOLD CLIP, 100% TIN SHELL

POTTING WALL HEIGHT
 BLANK = 5mm
 A = 1mm

HARWIN

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TOLERANCES
 X. = ±1mm
 X.X = ±0.50mm
 X.XX = ±0.10mm
 X.XXX = ±0.01mm
 ANGLES = ±5°
 UNLESS STATED

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

TITLE: JACKSCREW DATAMATE
 DIL CRIMP (LARGE BORE)
 POTTING WALL FEMALE ASSEMBLY

DRAWING NUMBER:
M80-485XXXX

MSP	8	07.10.15	13110
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			