

Customer Information Sheet

DRAWING No.: M80-486XXXX

SHEET 2 OF 2

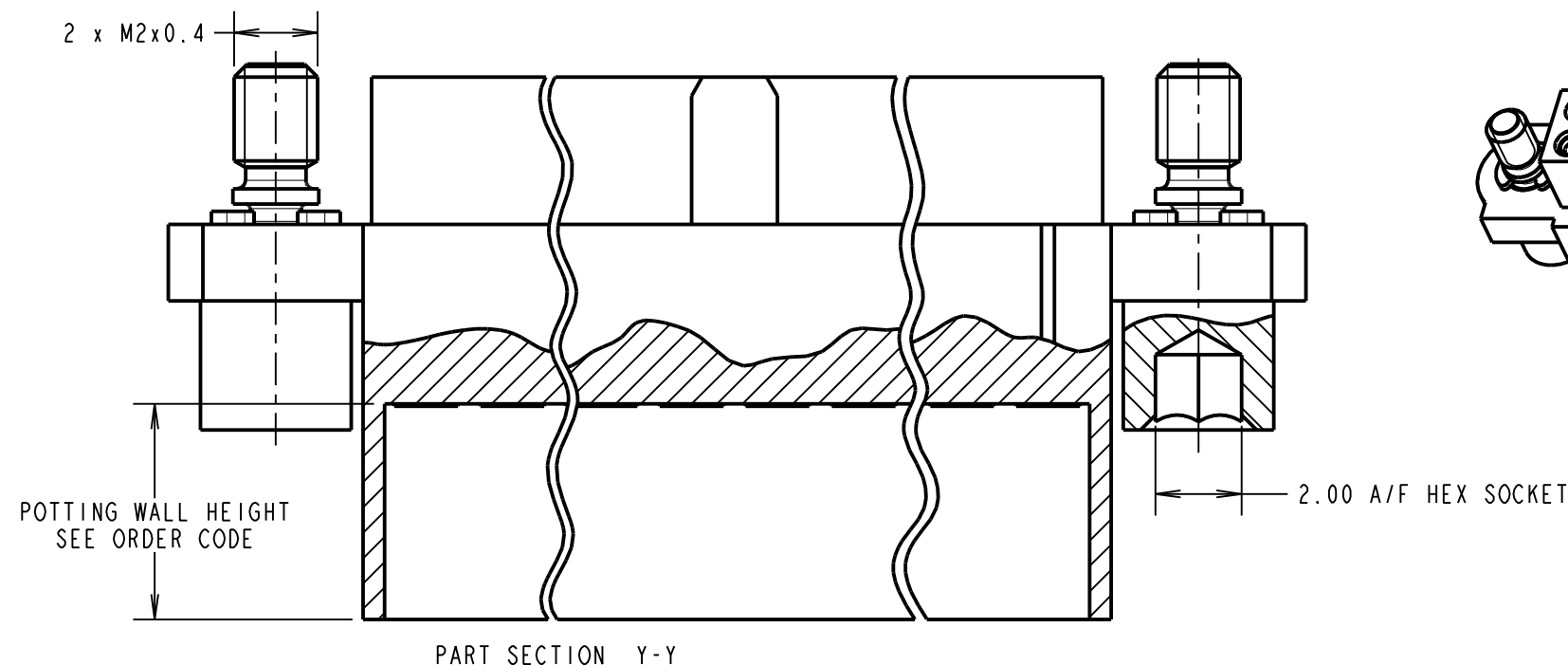
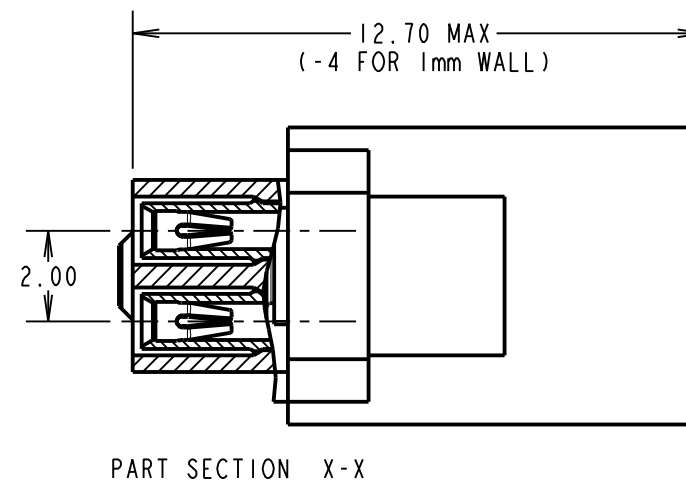
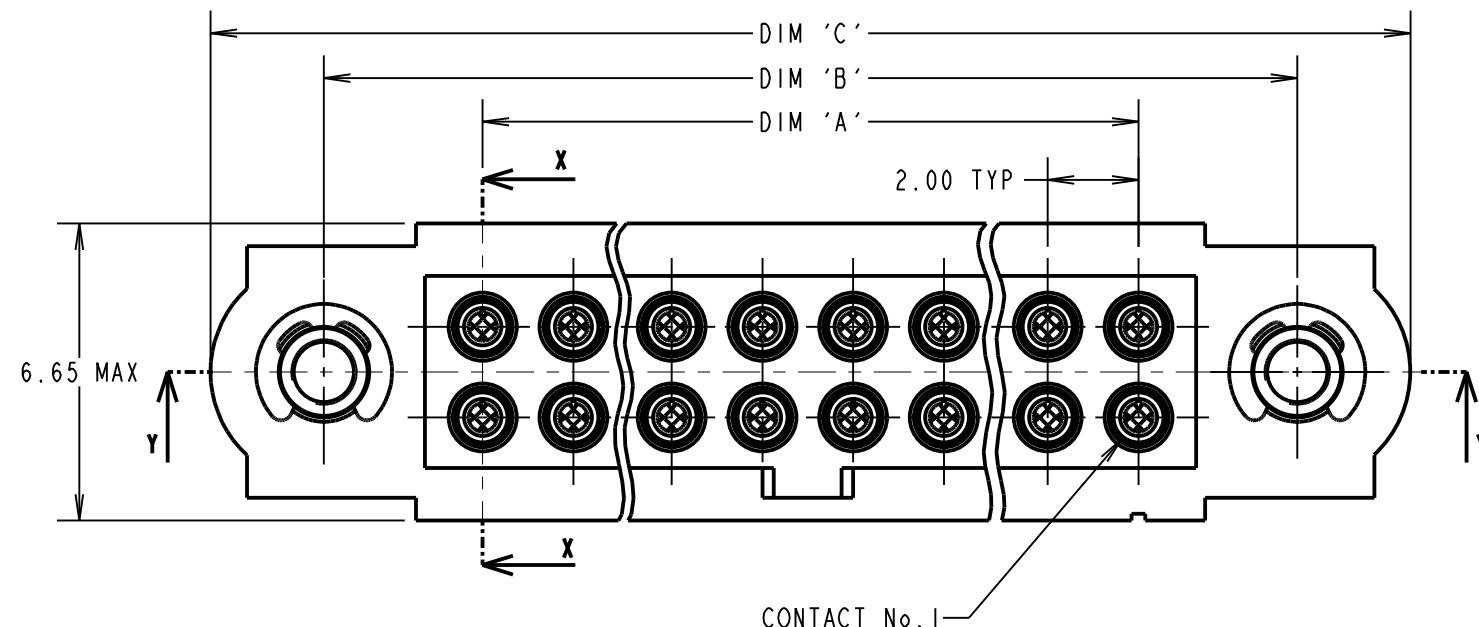
IF IN DOUBT - ASK

C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
CONTACT CLIP = BERYLLIUM COPPER
CONTACT SHELL = COPPER ALLOY
JACKSCREW, CIRCLIP = STAINLESS STEEL
FINISH (ALL OVER NICKEL):
05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL
OVER 1.0 - 2.0µ NICKEL

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 (Ø0.5mm GAUGE) = 2N MAX
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

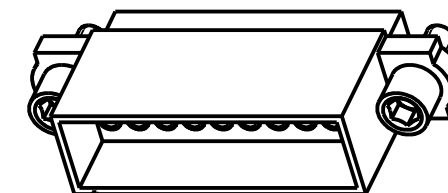
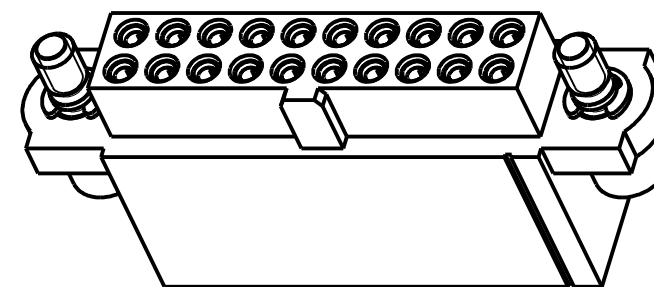
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

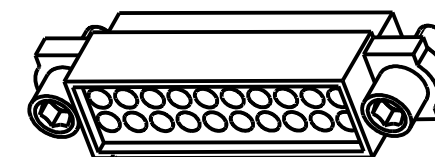
PACKING:

LOOSE

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



5mm POTTING WALL HEIGHT



1mm POTTING WALL HEIGHT

ORDER CODE:

M80-486XXXXX

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

ASSEMBLY PART No.	No. OF CONTACTS	DIM 'A'	DIM 'B'	DIM 'C'
M80-48606XXX	6	4.00	11.00	16.00
M80-48610XXX	10	8.00	15.00	20.00
M80-48612XXX	12	10.00	17.00	22.00
M80-48614XXX	14	12.00	19.00	24.00
M80-48618XXX	18	16.00	23.00	28.00
M80-48620XXX	20	18.00	25.00	30.00
M80-48626XXX	26	24.00	31.00	36.00
M80-48634XXX	34	32.00	39.00	44.00
M80-48642XXX	42	40.00	47.00	52.00
M80-48650XXX	50	48.00	55.00	60.00

NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-0130005 FOR M80-486XX05 AND M80-0130001 FOR M80-486XX42.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm, 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 INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

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 (SMALL BORE)
POTTING WALL FEMALE ASSEMBLY

DRAWING NUMBER:

M80-486XXXX

SHT
2 OF 2

MSP	9	07.10.15	13110
NAME	ISS.	DATE	C/NOTE
APPROVED:	M.PERREN		
CHECKED:	M.PLESTED		
DRAWN:	MARK G PLESTED		
CUSTOMER REF.:			
ASSEMBLY DRG:			