

# Customer Information Sheet

DRAWING No.: M80-486XXXX

SHEET 2 OF 2

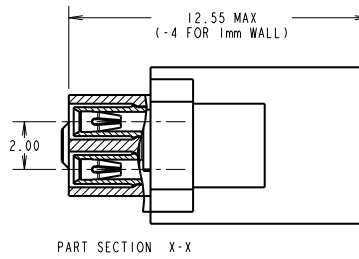
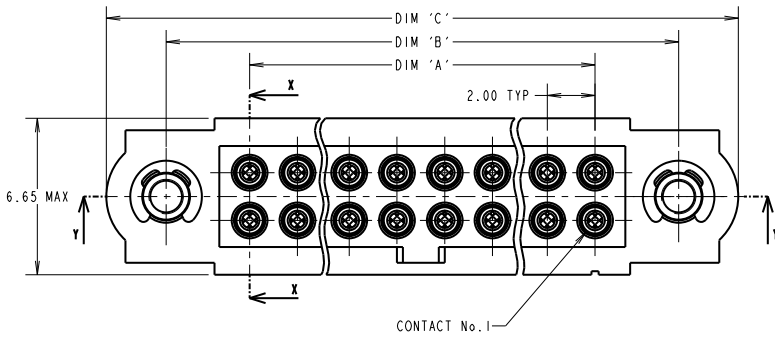
IF IN DOUBT - ASK

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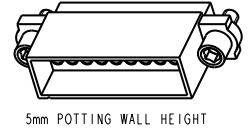
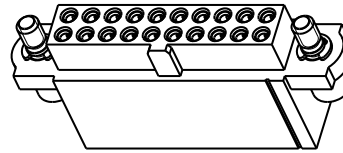
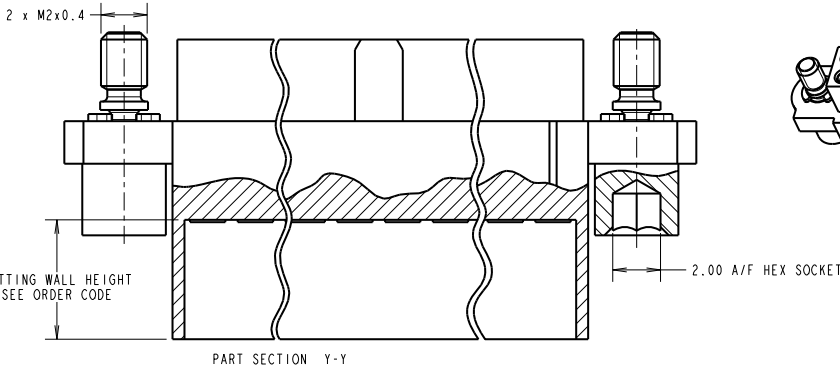
NOT TO SCALE

THIRD ANGLE PROJECTION

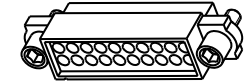
ALL DIMENSIONS IN mm



**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 = 120V AC/DC  
 VOLTAGE PROOF = 360V AC/DC  
 CONTACT RESISTANCE = 25 mΩ MAX  
 INSULATION RESISTANCE = 100 MΩ MIN  
**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
 INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N 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 36 210 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.

SM	8	01.08.11	11389
NAME	ISS.	DATE	C/NOTE
			APPROVED: S. MCCULLAGH
			CHECKED: MARK G PLESTED
			DRAWN: MARK G PLESTED
			CUSTOMER REF.:
			ASSEMBLY DRG:

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HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg		FINISH: SEE ABOVE S/AREA: mm <sup>2</sup>		