

# Customer Information Sheet

DRAWING No.: M80-941XXXX SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

**M80-941XXXX**

TOTAL No. OF CONTACTS  
06, 08, 10, 12, 14,  
20, 26, 34, 42, 50

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

**SPECIFICATIONS:**

**MATERIAL:**  
CABLE HOOD = 30% GLASS-FILLED POLYAMIDE 46  
DATAMATE MOULDING = 30% GLASS-FILLED PPS,  
UL94V-0, BLACK  
CONTACT CLIP = BERYLLIUM COPPER  
CONTACT SHELL = BRASS  
JACKSCREW = STAINLESS STEEL  
CABLE HOOD FIXING SCREW = MILD STEEL

**FINISH:**  
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

CABLE HOOD FIXING SCREW = CHEMI-BLACK

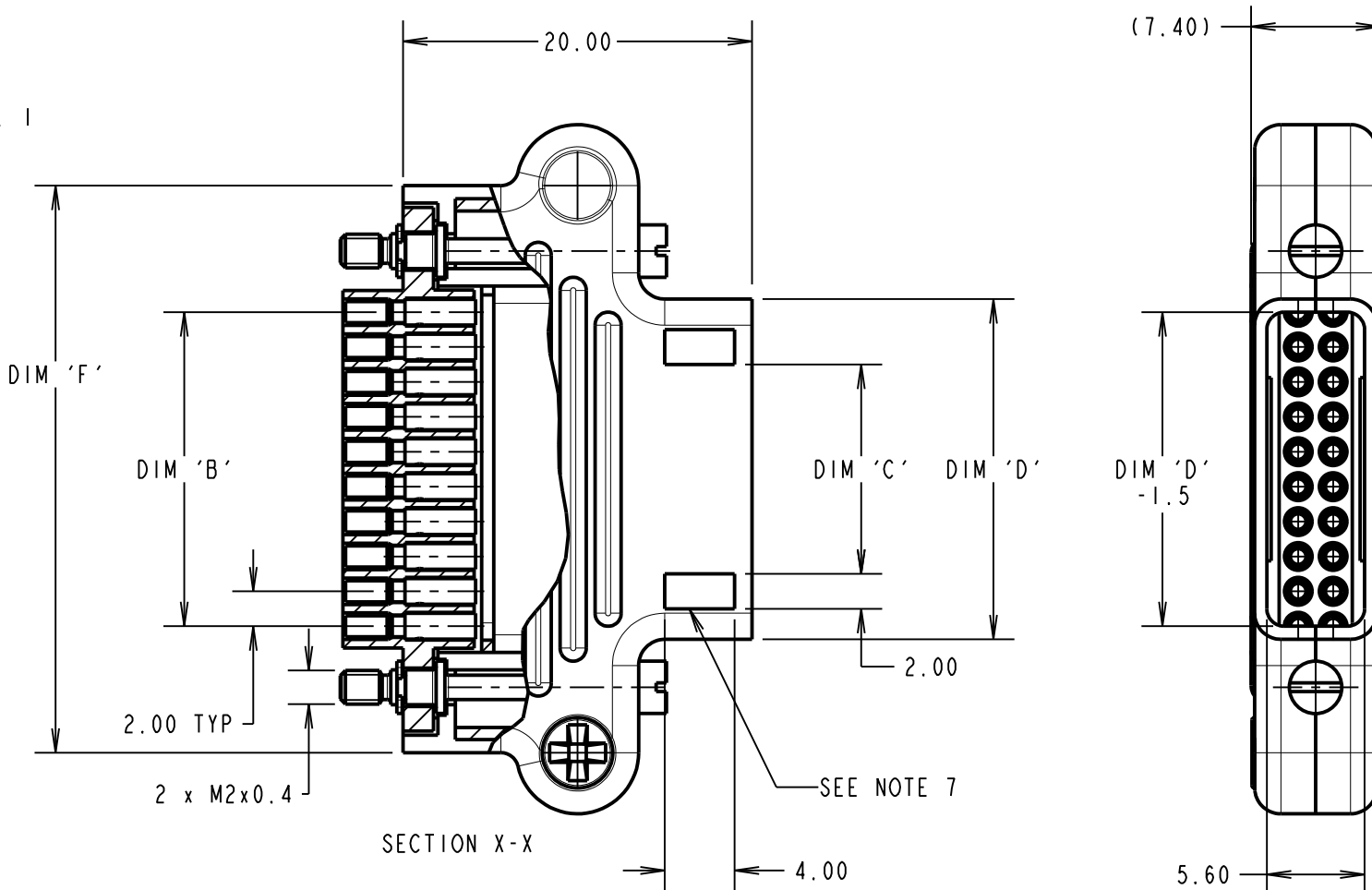
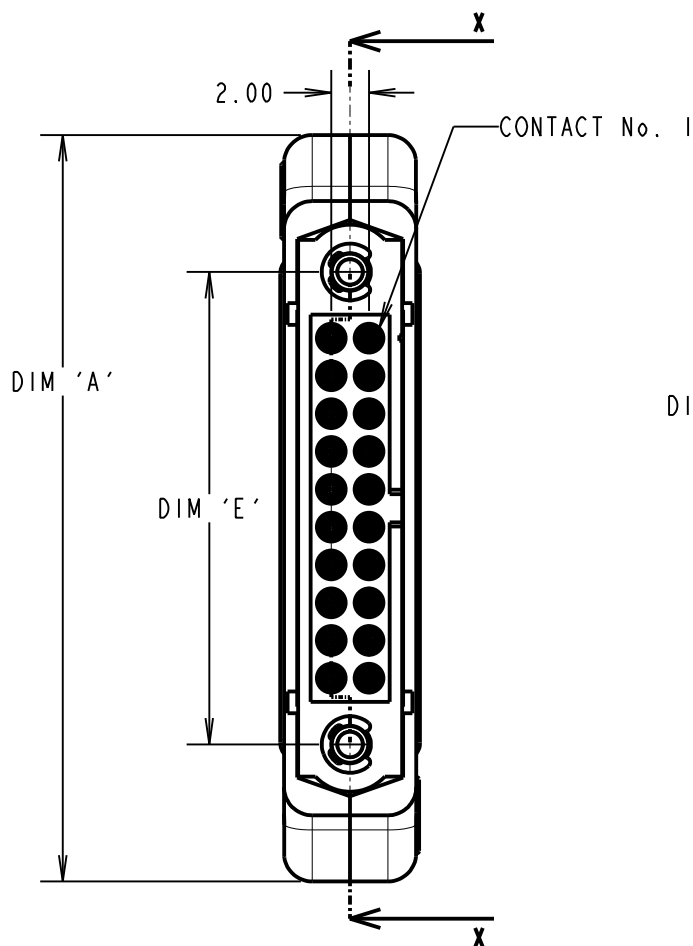
**ELECTRICAL:**  
CURRENT RATING AT 25°C = 3.0A MAX  
CURRENT RATING AT 85°C = 2.2A MAX  
WORKING VOLTAGE = 800V AC/DC  
VOLTAGE PROOF = 1200V AC/DC  
CONTACT RESISTANCE = 25mΩ MAX  
INSULATION RESISTANCE = 100MΩ MIN

**MECHANICAL:**  
DURABILITY = 500 OPERATIONS

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

**PACKING:**  
BAG

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



**NOTES:**

- CONNECTORS ARE SUPPLIED WITH CONTACTS, CABLE HOOD SET, AND CABLE HOOD FIXING SCREWS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-01100XX (XX = 05 FOR GOLD FINISH, 01 FOR TIN FINISH).
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 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 TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
- NO CABLE TIE SLOTS ON M80-94106XX AND M80-94108XX.

PART NUMBER	No. OF CONTACTS	PART DIMENSIONS					
		DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
M80-94106XX	6	25.50	4.00	N/A	5.50	11.00	18.50
M80-94108XX	8	27.50	6.00	N/A	7.50	13.00	20.50
M80-94110XX	10	29.50	8.00	2.00	9.50	15.00	22.50
M80-94112XX	12	31.50	10.00	4.00	11.50	17.00	24.50
M80-94114XX	14	33.50	12.00	6.00	13.50	19.00	26.50
M80-94120XX	20	39.50	18.00	12.00	19.50	25.00	32.50
M80-94126XX	26	45.50	24.00	18.00	22.50	31.00	38.50
M80-94134XX	34	53.50	32.00	26.00	33.50	39.00	46.50
M80-94142XX	42	61.50	40.00	34.00	41.50	47.00	54.50
M80-94150XX	50	69.50	48.00	42.00	49.50	55.00	62.50

FM	7	26.03.18	20940
NAME	ISS.	DATE	C/NOTE
APPROVED: F. MCGOWAN			
CHECKED: S. BENNETT			
DRAWN: N. CODLING			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

www.harwin.com  
technical@harwin.com

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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:**

mm<sup>2</sup>

**TITLE:** JACKSCREW DATAMATE DIL CRIMP (LARGE BORE) FEMALE ASSY WITH CABLE HOOD KIT

**DRAWING NUMBER:**

**M80-941XXXX**

SHT  
2 OF 2