

# Customer Information Sheet

DRAWING No.: M80-943XX05 SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

**M80-943XX05**

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

**SPECIFICATIONS:**

**MATERIAL:**

CABLE HOOD = 30% GLASS-FILLED POLYAMIDE 46  
DATAMATE MOULDING = 30% GLASS-FILLED PPS,  
UL94V-0, BLACK

**CONTACT** = BRASS

JACKSCREW = STAINLESS STEEL

CABLE HOOD FIXING SCREW = STAINLESS STEEL

**FINISH:**

**CONTACT:**

05 = 0.25-0.3 $\mu$ m GOLD

CABLE HOOD FIXING SCREW = BLACK 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 = 25m $\Omega$  MAX

INSULATION RESISTANCE = 100M $\Omega$  MIN

**MECHANICAL:**

DURABILITY = 500 OPERATIONS

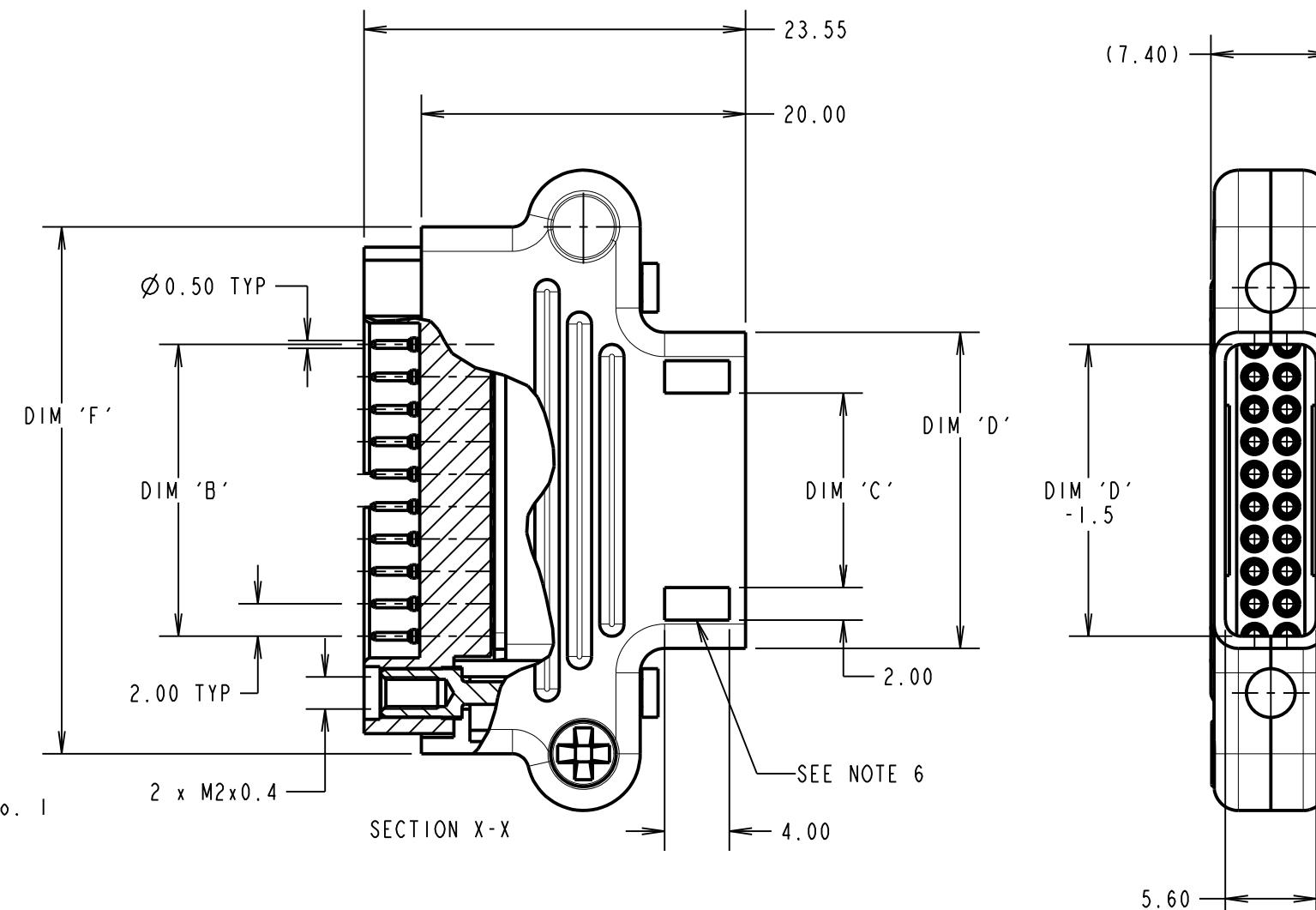
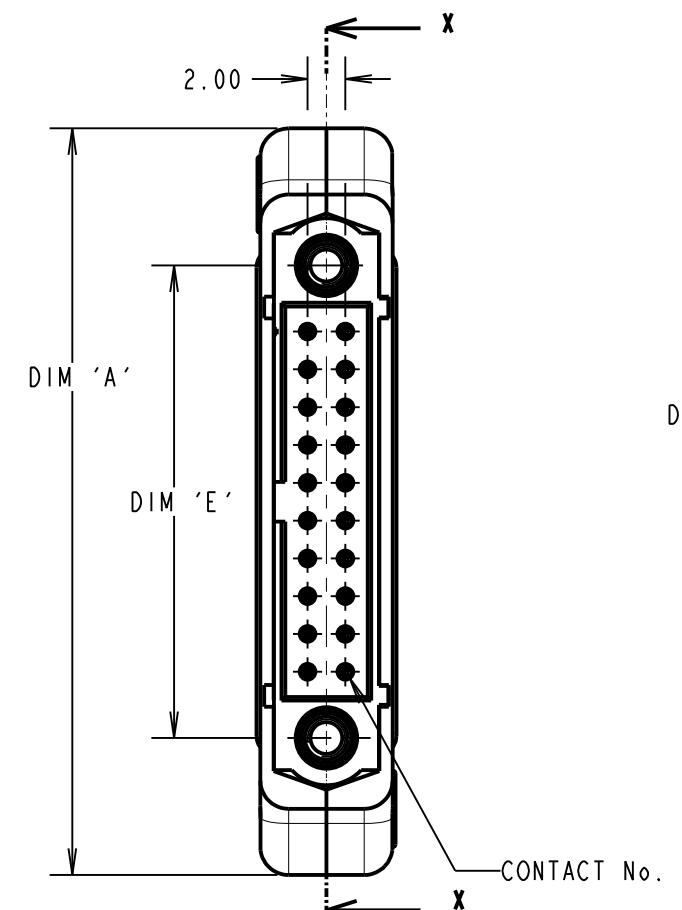
**ENVIRONMENTAL:**

TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**

BAG

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



PART NUMBER	No. OF CONTACTS	PART DIMENSIONS					
		DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
M80-9430605	6	25.50	4.00	N/A	5.50	11.00	18.50
M80-9430805	8	27.50	6.00	N/A	7.50	13.00	20.50
M80-9431005	10	29.50	8.00	2.00	9.50	15.00	22.50
M80-9431205	12	31.50	10.00	4.00	11.50	17.00	24.50
M80-9431405	14	33.50	12.00	6.00	13.50	19.00	26.50
M80-9432005	20	39.50	18.00	12.00	19.50	25.00	32.50
M80-9432605	26	45.50	24.00	18.00	22.50	31.00	38.50
M80-9433405	34	53.50	32.00	26.00	33.50	39.00	46.50
M80-9434205	42	61.50	40.00	34.00	41.50	47.00	54.50
M80-9435005	50	69.50	48.00	42.00	49.50	55.00	62.50

FM	9	19.03.18	20940
NAME	ISS.	DATE	C/NOTE
APPROVED: F. MCGOWAN			
CHECKED: S. BENNETT			
DRAWN: N. CODLING			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**NOTES:**

- CONNECTORS ARE SUPPLIED WITH CONTACTS, CABLE HOOD SET, AND CABLE HOOD FIXING SCREWS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-1940005.
- 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 Z80-193. 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 M80-9430605 AND M80-9430805.

**HARWIN**

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TOLERANCES  
X. =  $\pm 1$ mm  
X.X =  $\pm 0.50$ mm  
X.XX =  $\pm 0.10$ mm  
X.XXX =  $\pm 0.01$ mm  
ANGLES =  $\pm 5^\circ$   
UNLESS STATED  
FINISH: SEE ABOVE  
S/AREA: mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE DIL CRIMP (LARGE BORE) MALE ASSY WITH CABLE HOOD KIT  
DRAWING NUMBER: M80-943XX05  
SHT 2 OF 2

# Mouser Electronics

Authorized Distributor

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