

Customer Information Sheet

DRAWING No.: M80-940XXXX SHEET 2 OF 2

IF IN DOUBT - ASK

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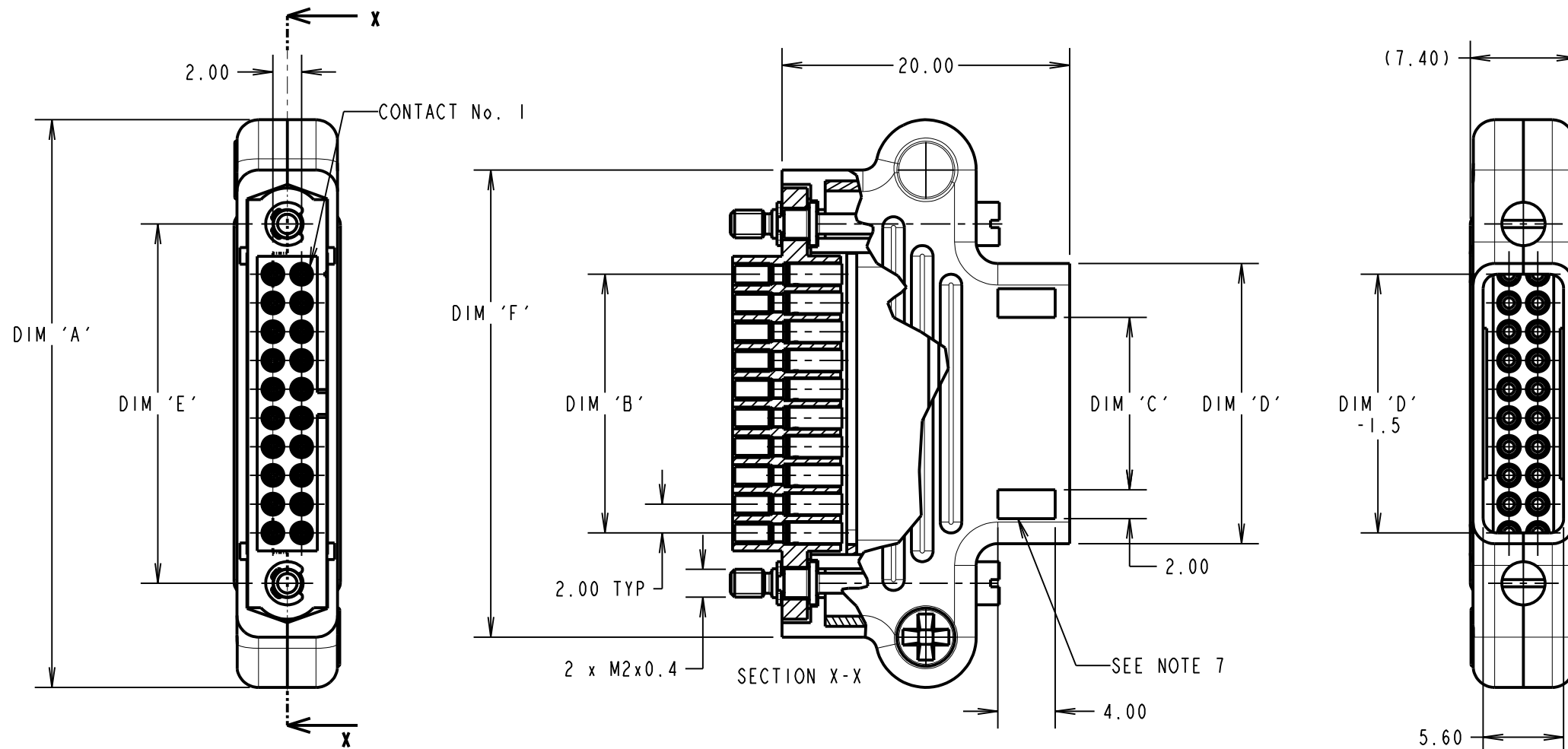
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:
M80-940XXXX
 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 M80-01300XX (XX = 05 FOR GOLD FINISH, 01 FOR TIN FINISH).
 - 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. SEE 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.
 - NO CABLE TIE SLOTS ON M80-94006XX AND M80-94008XX.

PART NUMBER	No. OF CONTACTS	PART DIMENSIONS					
		DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
M80-94006XX	6	25.50	4.00	N/A	5.50	11.00	18.50
M80-94008XX	8	27.50	6.00	N/A	7.50	13.00	20.50
M80-94010XX	10	29.50	8.00	2.00	9.50	15.00	22.50
M80-94012XX	12	31.50	10.00	4.00	11.50	17.00	24.50
M80-94014XX	14	33.50	12.00	6.00	13.50	19.00	26.50
M80-94020XX	20	39.50	18.00	12.00	19.50	25.00	32.50
M80-94026XX	26	45.50	24.00	18.00	22.50	31.00	38.50
M80-94034XX	34	53.50	32.00	26.00	33.50	39.00	46.50
M80-94042XX	42	61.50	40.00	34.00	41.50	47.00	54.50
M80-94050XX	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:			

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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) FEMALE ASSY WITH CABLE HOOD KIT

DRAWING NUMBER: **M80-940XXXX** SHT 2 OF 2