

Customer Information Sheet

DRAWING No.: M80-4C1XXXXF9-00-000-00-000 SHEET 2 OF 2 IF IN DOUBT - ASK © NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
SIGNAL CONTACT:
CLIP = BERYLLIUM COPPER
SHELL = BRASS

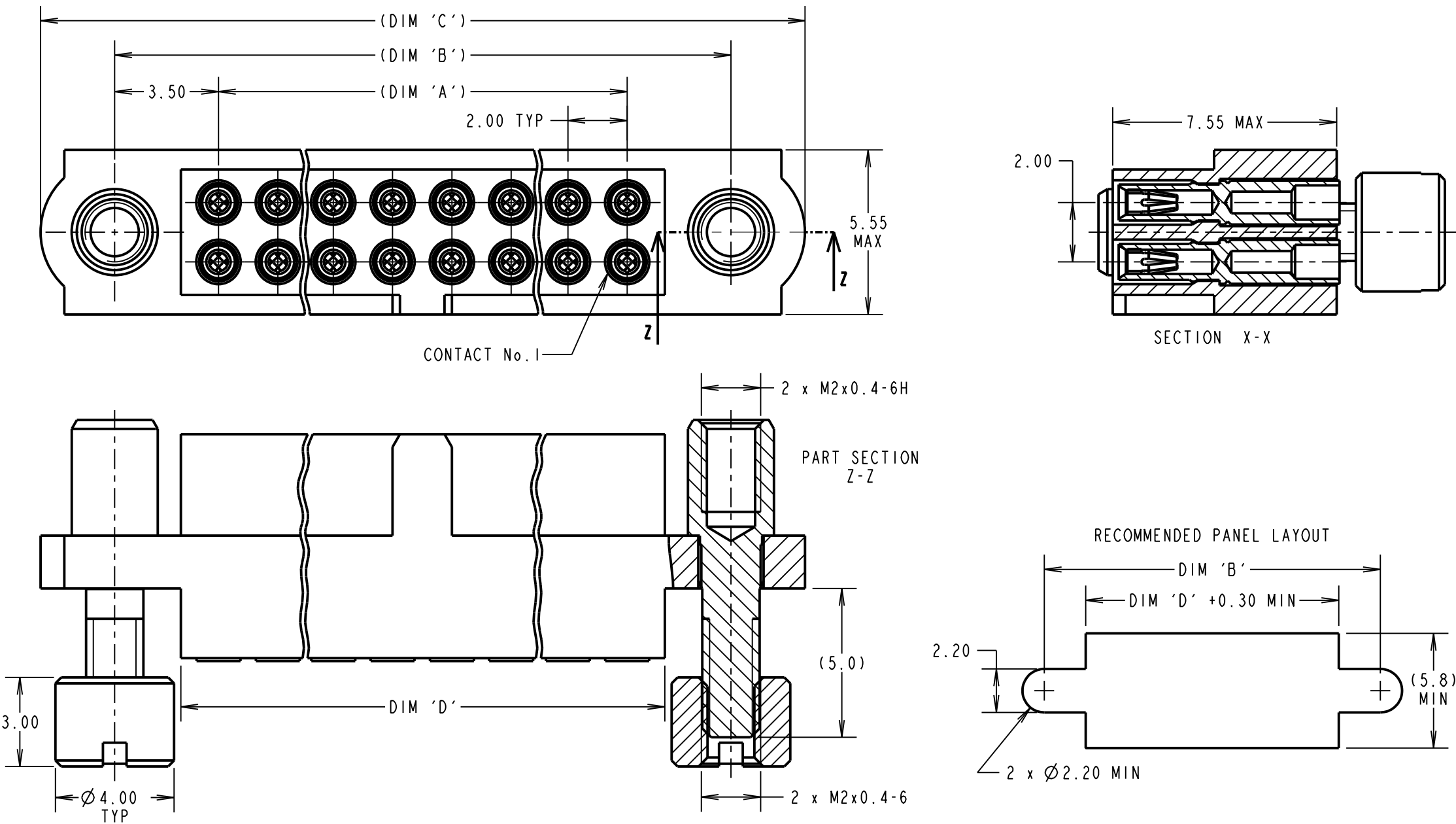
FINISH:
SIGNAL CONTACT:
05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
42 = 0.25-0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN OVER NICKEL SHELL.

ELECTRICAL:
WORKING VOLTAGE = 120V AC/DC
VOLTAGE PROOF = 360V AC/DC
INSULATION RESISTANCE = 100MΩ MIN
SIGNAL CONTACT:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
CONTACT RESISTANCE = 25 mΩ MAX

MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN

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 LOOSE.
 - FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005.
 - RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm FOR CRIMPING.
 - RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER T5747.
 - SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
 - INSTRUCTION SHEETS ARE AVAILABLE.

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL No. OF CONTACTS + 10
DIM 'D'	TOTAL No. OF CONTACTS + 0.54
EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP AND 100% TIN OVER NICKEL SHELL, M80-4C12042F9-00-000-00-000	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm DIM 'D' = 16.54	

HARWIN

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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:
SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: JACKSCREW DATAMATE MIXED TECHNOLOGY CRIMP FEMALE ASSEMBLY

DRAWING NUMBER: M80-4C1XXXXF9-00-000-00-000

SHT 2 OF 2

ORDER CODE: M80-4C1XXXXF9-00-000-00-000

TOTAL No. OF CONTACTS 04 TO 50 (EVEN NUMBERS ONLY)

FINISH CODE 05 - GOLD CLIP, GOLD SHELL 42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL

RA	I	22.11.10	----
NAME	ISS.	DATE	C/NOTE
APPROVED:		R.ADDE	
CHECKED:		M.G.PLESTED	
DRAWN:		R.ADDE	
CUSTOMER REF.:			
ASSEMBLY DRG:			