

Customer Information Sheet

DRAWING No.: M80-4C1XXXXFC

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 = BRASS

101-SCREW, COLLAR = STAINLESS STEEL

SPRING = MUSIC WIRE

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

05 & 42 = TIN COATED SPRINGS

ELECTRICAL:

CURRENT RATING AT 25°C = 3.3A MAX

CURRENT RATING AT 85°C = 2.6A MAX

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

CONTACT RESISTANCE = 25mΩ MAX

INSULATION RESISTANCE = 100MΩ MIN

MECHANICAL:

INSERTION FORCE (Ø0.5mm GAUGE) = 2.0N MAX

WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

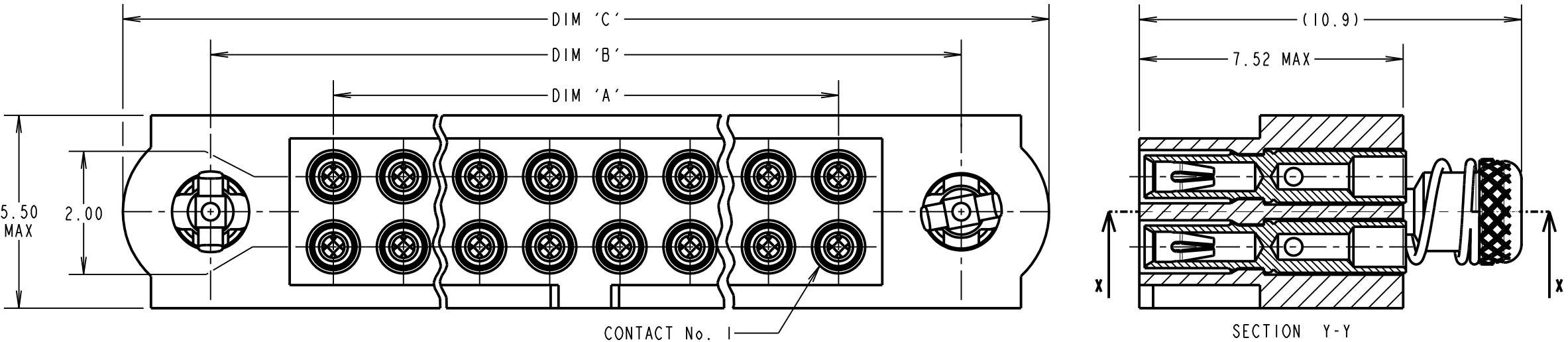
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

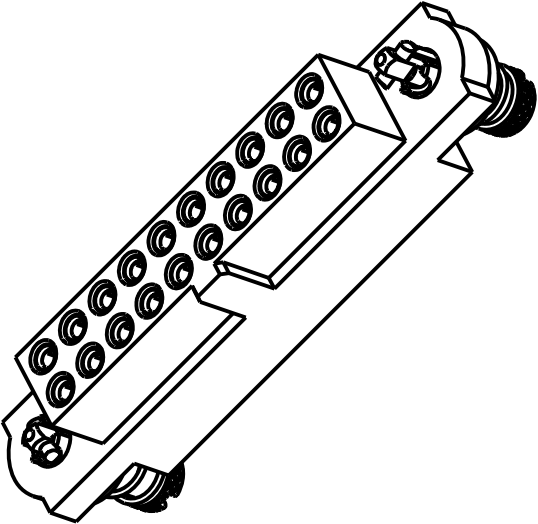
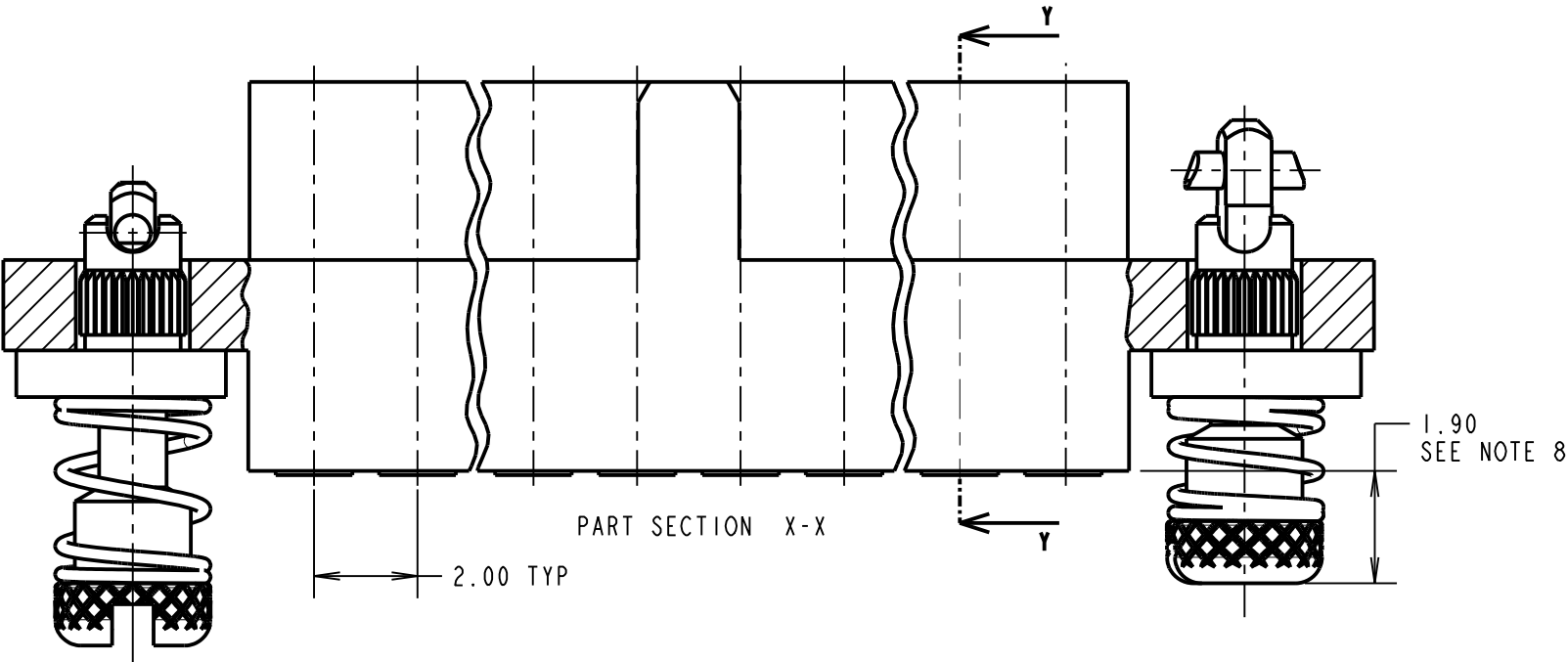
PACKING:

LOOSE

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



- NOTES:
- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
 - FOR EXTRA CONTACTS, USE PART No.'s.
M80-0130001 FOR M80-4C1XX42FC
M80-0130005 FOR M80-4C1XX05FC
 - 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.
 - CONTACT INSERTION & EXTRACTION TOOL = Z80-280
 - INSTRUCTION SHEETS ARE AVAILABLE.
 - SPRING LOAD WHEN SOLID = 2.642N.
SPRING RATE = 1.32N/mm.
 - LENGTH WILL BE 1.90mm WHEN 101-SCREWS ARE ENGAGED WITH RETAINERS IN MATING CONNECTOR.



CONTACT: (QTY = TOTAL No. OF CONTACTS)
M80-01300XX (SEE NOTE 2)

05 = GOLD CLIP, GOLD SHELL
01 = GOLD CLIP, 100% TIN OVER NICKEL SHELL

ORDER CODE:

M80-4C1XXXXFC

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

RTP	4	16.05.19	21531
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: M.RUDKIN			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

DIMENSION	CALCULATION
DIM 'A'	TOTAL No. OF CONTACTS - 2
DIM 'B'	TOTAL No. OF CONTACTS + 5
DIM 'C'	TOTAL NUMBER CONTACTS + 10
EXAMPLE ORDER CODE 2: CONNECTOR WITH 20 SIGNAL CONTACTS, GOLD CLIP AND 100% TIN SHELL	
M80-4C12042FC	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm.	

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TOLERANCES

X. = ±1mm

X.X = ±0.50mm

X.XX = ±0.20mm

X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: DATAMATE J-TEK FEMALE CRIMP ASSY (SMALL BORE) WITH 101LOK JACKSCREWS

DRAWING NUMBER: M80-4C1XXXXFC

SHT 2 OF 2