

Customer Information Sheet

DRAWING No.: M80-4C1XXXXFC

SHT 2 OF 2

IF IN DOUBT - ASK

(C)

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 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN
OVER NICKEL SHELL

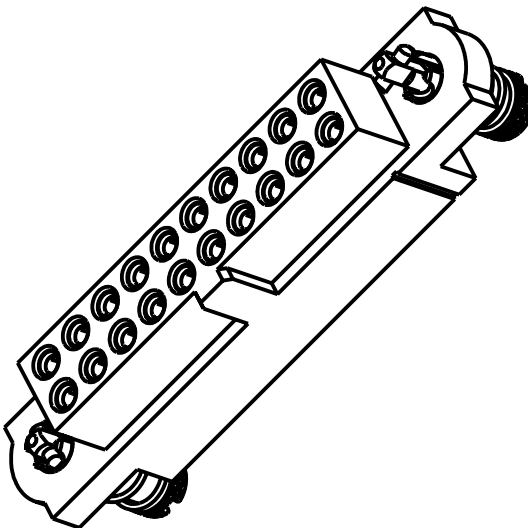
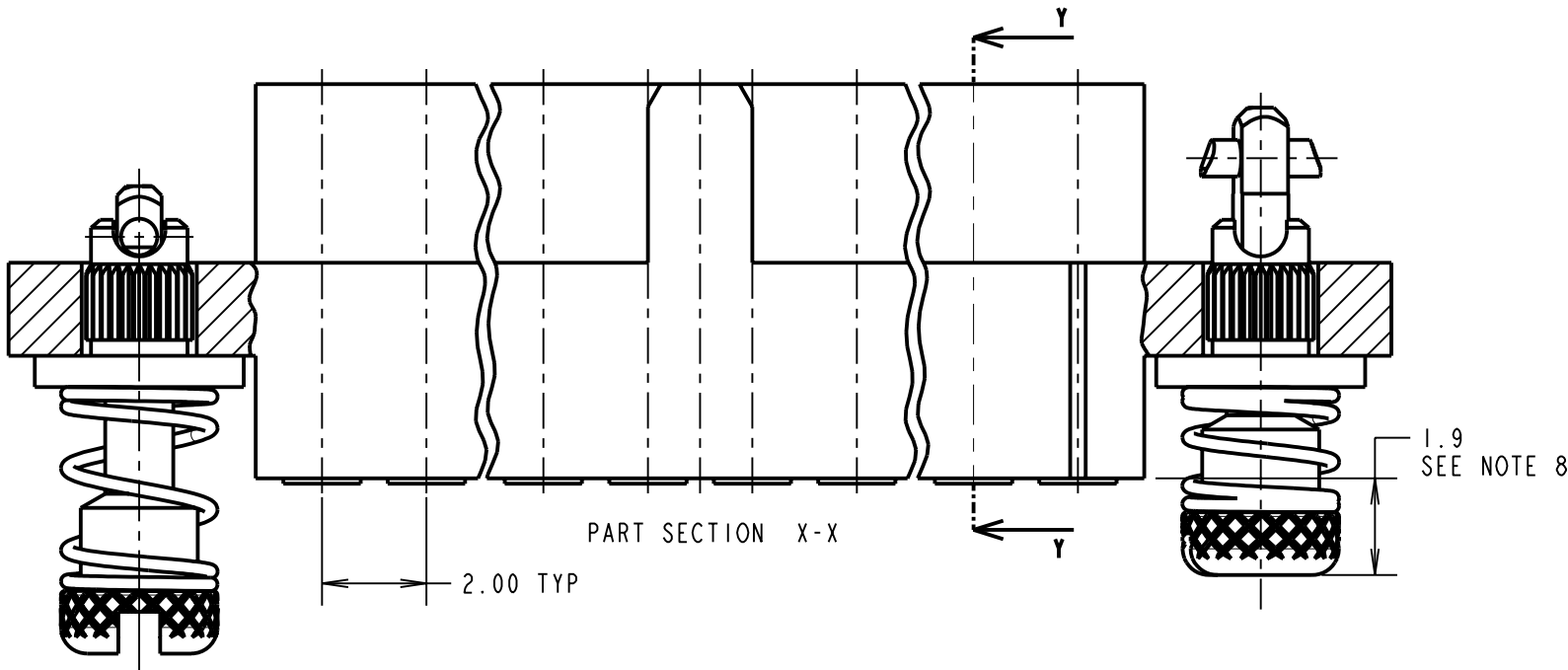
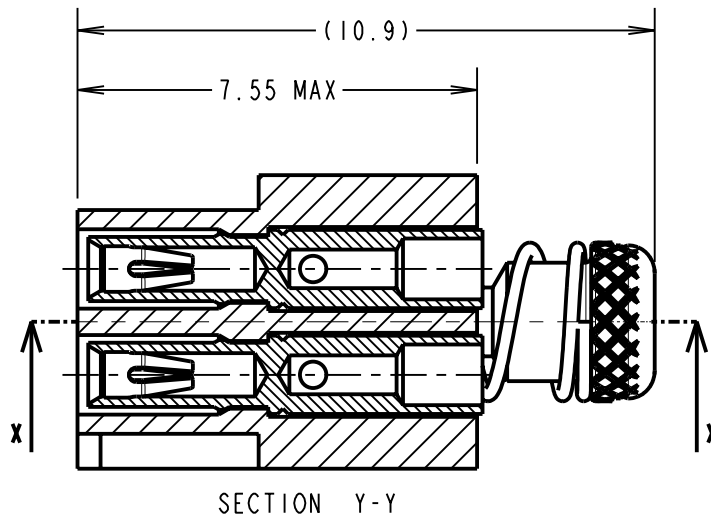
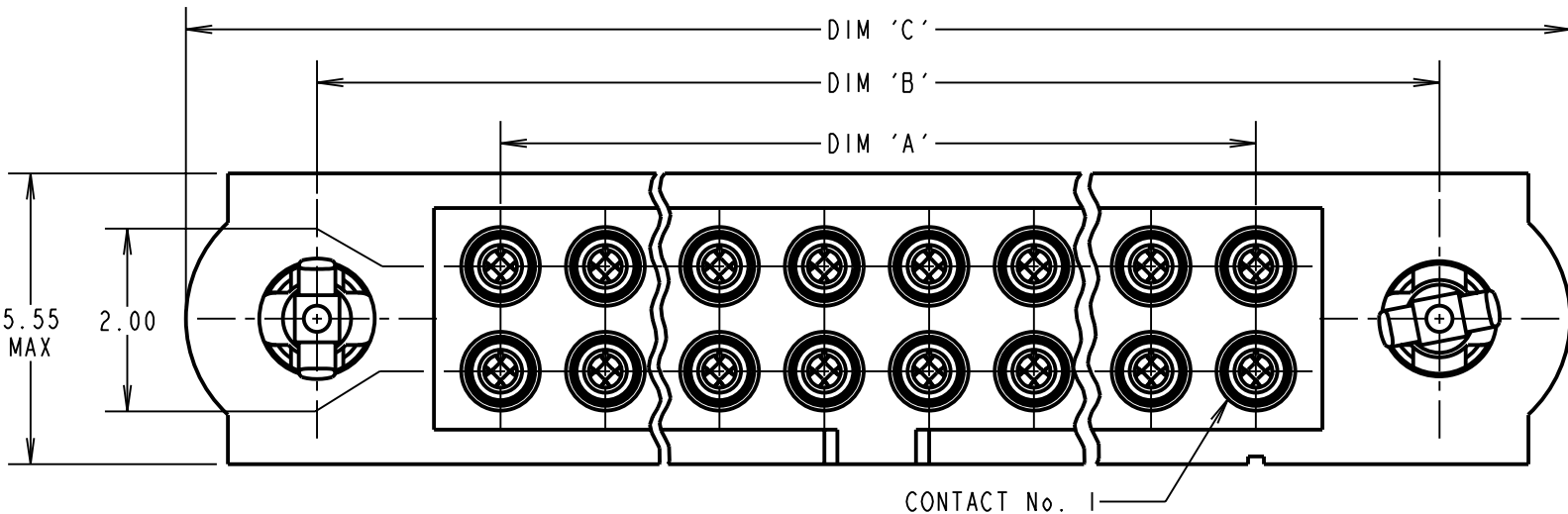
05 & 42 = TIN COATED SPRINGS

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

MECHANICAL:
INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N MAX
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +121°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 1.9mm WHEN 101-SCREWS ARE
ENGAGED WITH RETAINERS IN MATING CONNECTOR.

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.	



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

SB	3	16.05.11	11250
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN		
HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg

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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: DATAMATE J-TEK
FEMALE CRIMP ASSY (SMALL BORE)
WITH 101LOK JACKSCREWS
DRAWING NUMBER:
M80-4C1XXXXFC
SHT
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