

Customer Information Sheet

DRAWING No.: M80-4C1XXXXFC, M80-4C1XXXXFC-00-000-00-000 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

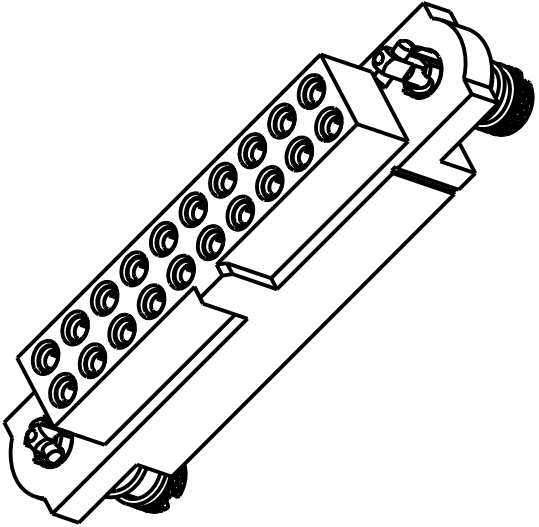
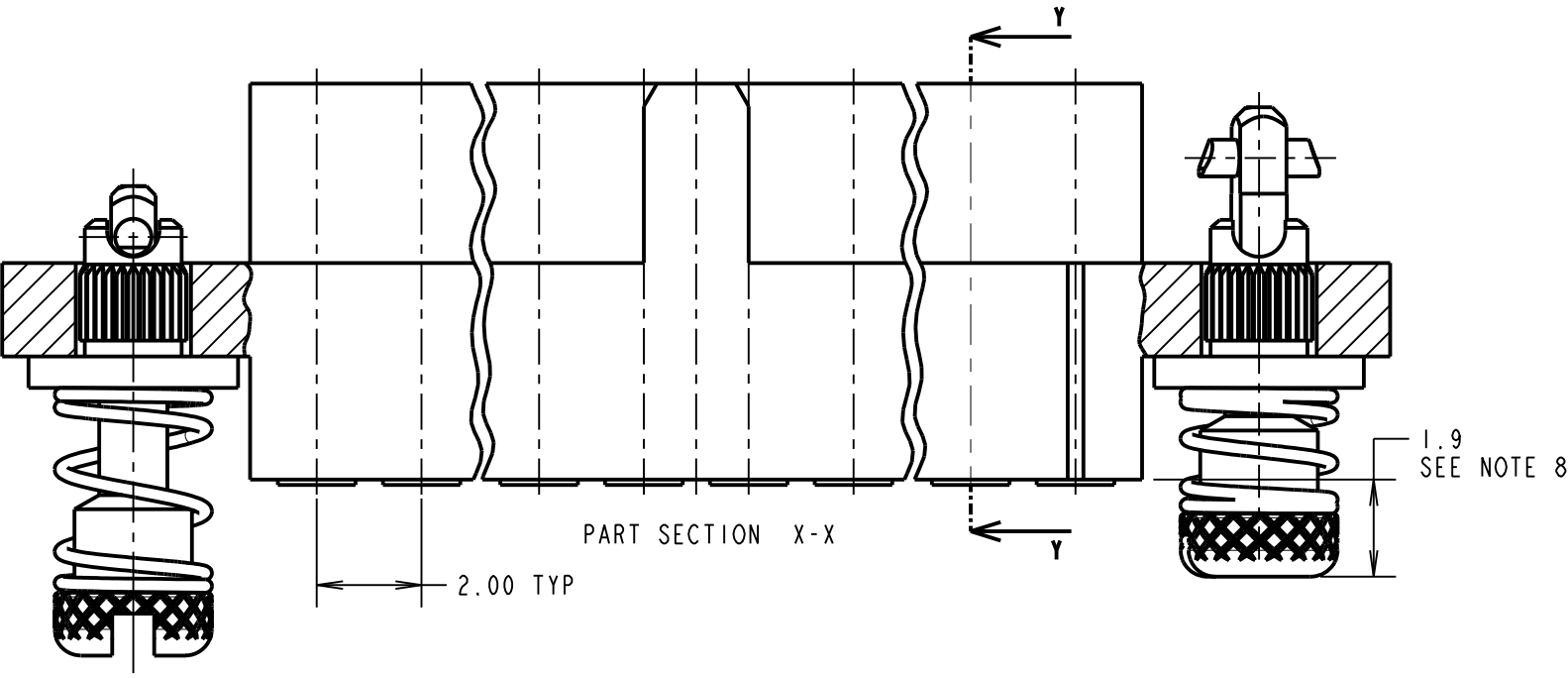
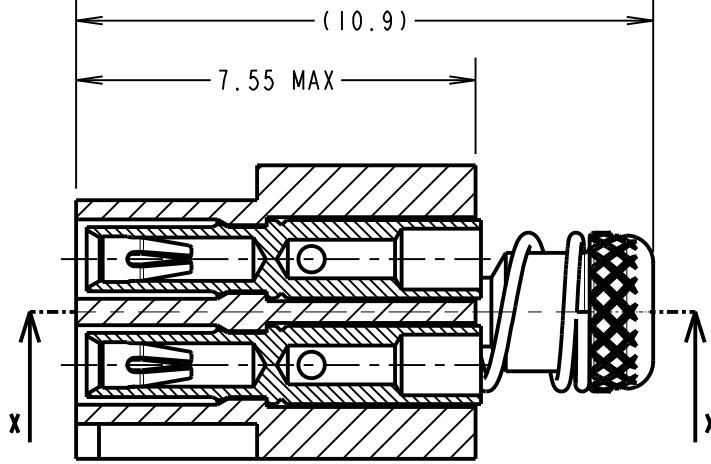
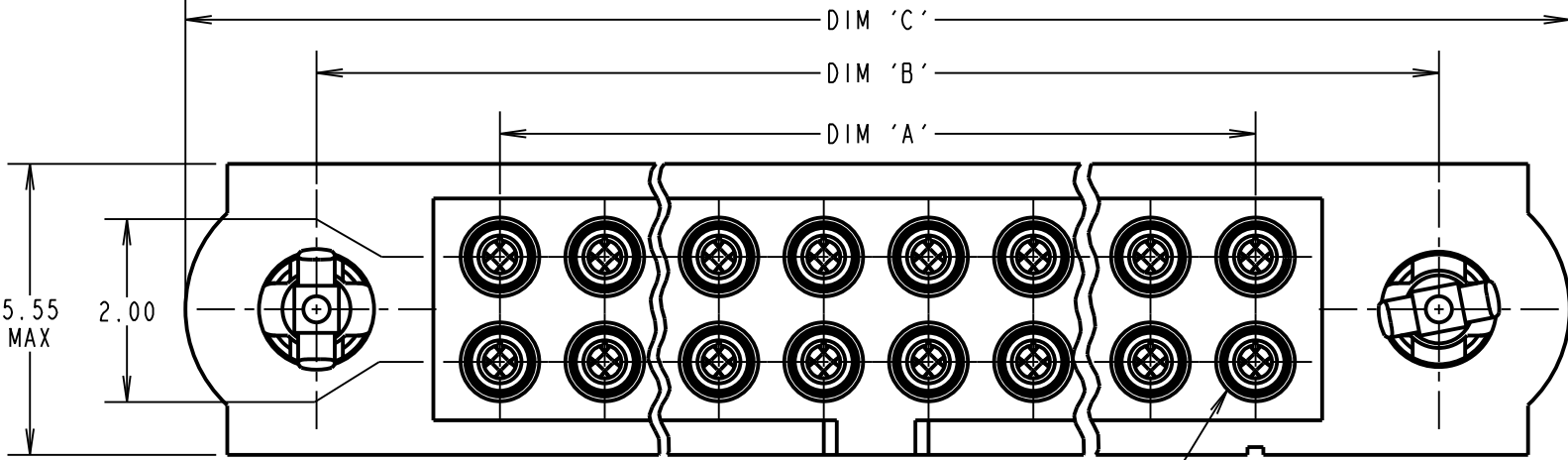
FINISH:
05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL
42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN
OVER NICKEL SHELL

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-00-000-00-000
M80-0130005 FOR M80-4C1XX05FC-00-000-00-000
- 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.
- ALL PART LABELLING TO BE AS ORDER CODE, EITHER
WITH TRAILING ZEROS OR LEFT BLANK AS PER ORDER
CODE EXAMPLES 1 AND 2.



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 1: CONNECTOR WITH 20 SIGNAL CONTACTS, GOLD CLIP AND 100% TIN SHELL	
M80-4C12042FC-00-000-00-000	
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm.	
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-XX-XXX-XX-XXX**

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

NUMBER OF SPECIAL CONTACTS _____
X's CAN BE DISPLAYED AS TRAILING ZEROS OR LEFT BLANK
SEE EXAMPLE ORDER CODES FOR EXPLANATION.

RA	2	27.01.11	11106
NAME	ISS.	DATE	C/NOTE
APPROVED: R.ADDE			
CHECKED: M.G.PLESTED			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN			THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.		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: mm ²	TITLE: DATAMATE J-TEK FEMALE CRIMP ASSY (SMALL BORE) WITH 101LOK JACKSCREWS DRAWING NUMBER: M80-4C1XXXXFC, M80-4C1XXXXFC-00-000-00-000	SHT 2 OF 2
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