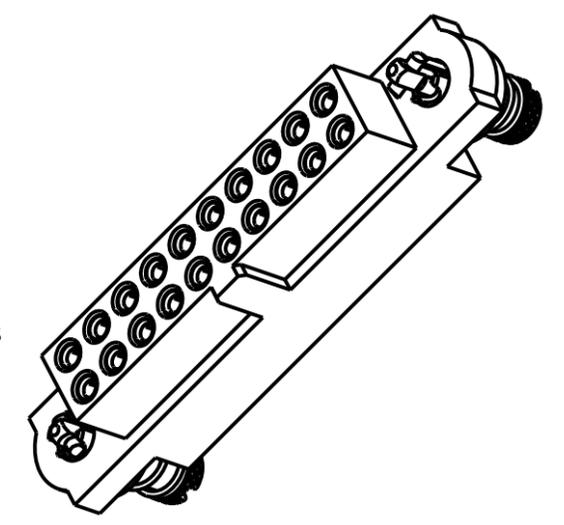
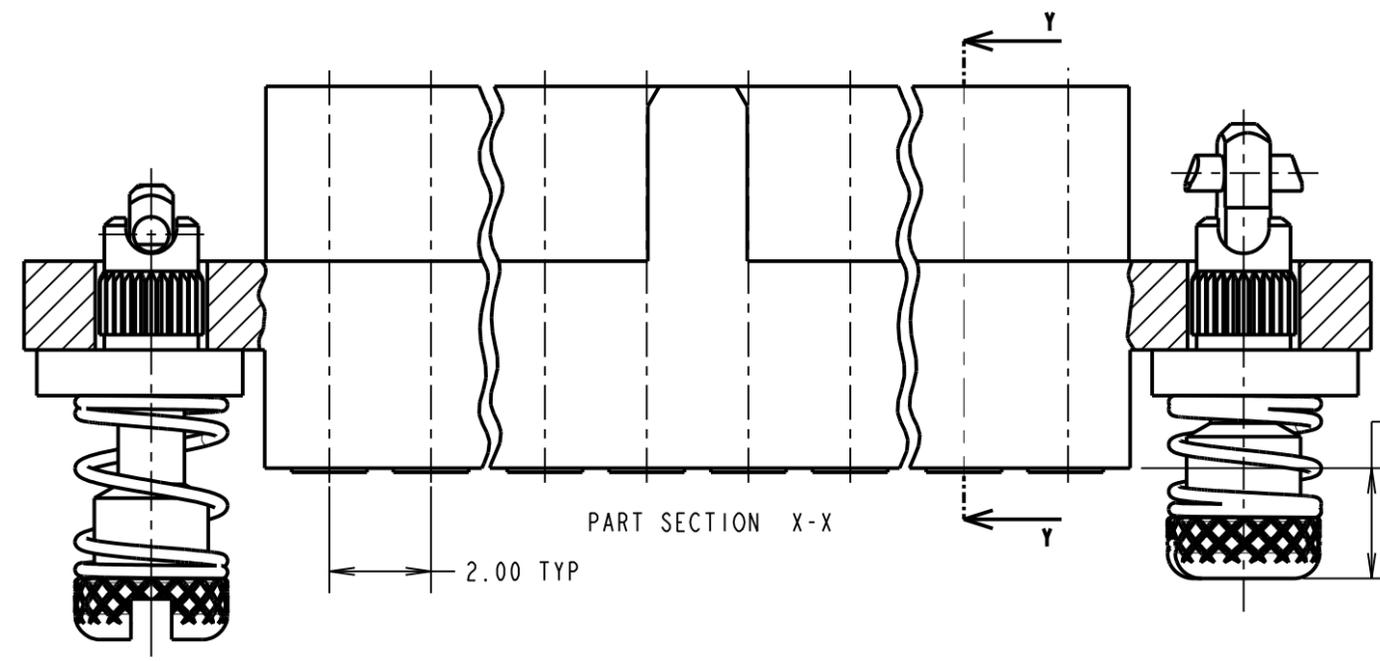
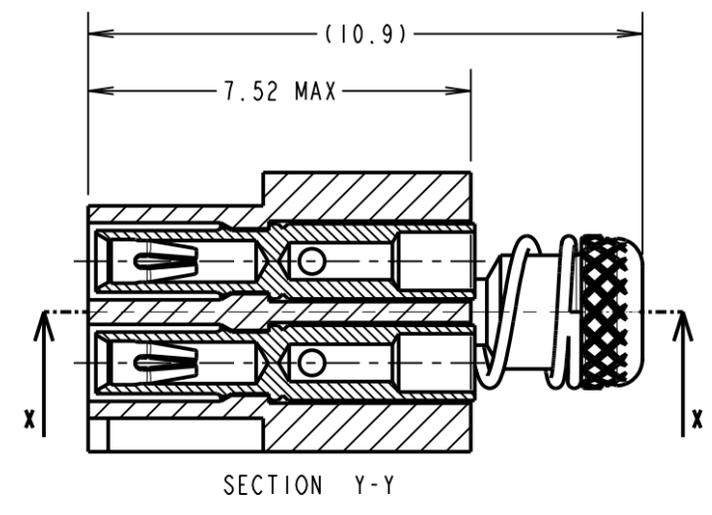
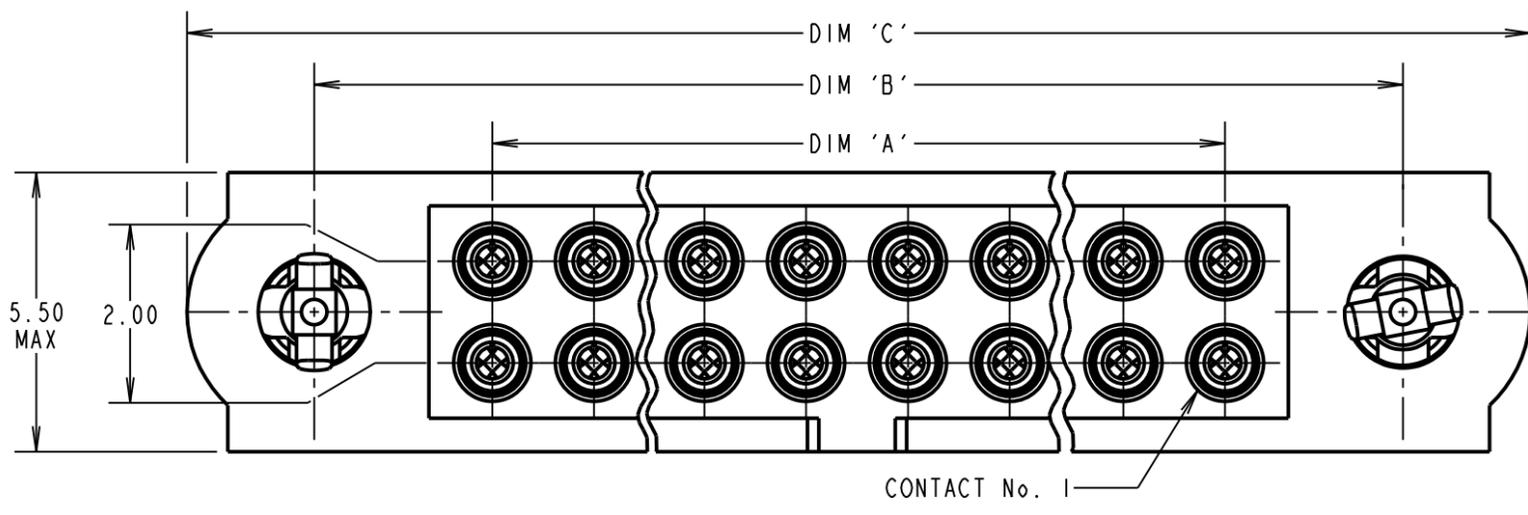


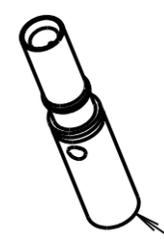
Customer Information Sheet

DRAWING No.: M80-4C1XXXXFC 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 = 0.3µm 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 (∅0.5mm GAUGE) = 2.0N MAX
 WITHDRAWAL FORCE (∅0.5mm 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 = ∅1.10mm, 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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Mouser Electronics

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