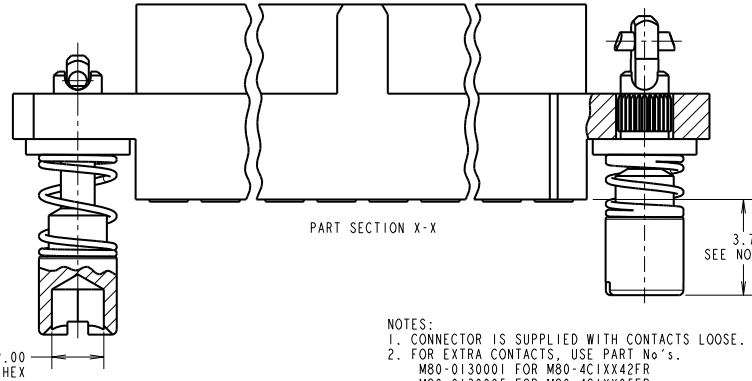
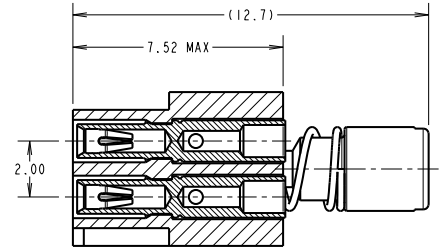
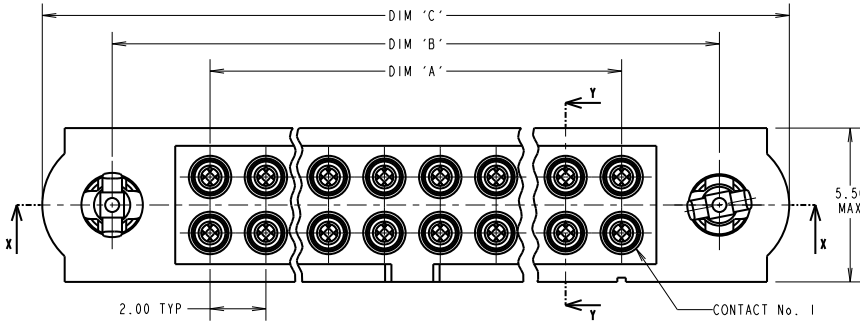


Customer Information Sheet

DRAWING No.: M80-4C1XXXXFR SHT 2 OF 2 IF IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



CONTACT: (QTY = TOTAL No. OF CONTACTS)
M80-01300XX (SEE NOTE 2)
05 = GOLD CLIP, GOLD SHELL
01 = GOLD CLIP, 100% TIN OVER NICKEL SHELL

SPECIFICATIONS:
MATERIAL:
 Moulding = GLASS-FILLED PPS, UL94V-0, BLACK
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = BRASS
 IOILOK 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 (∅0.5mm GAUGE) = 2.8N MAX
 WITHDRAWAL FORCE (∅0.5mm 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 M80-4C1XX42FR
M80-0130005 FOR M80-4C1XX05FR
 - RECOMMENDED WIRE TYPE = BS 36 210 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. SEE TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INFORMATION.
 - CONTACT INSERTION & EXTRACTION TOOL = 280-280. SEE INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
 - SPRING LOAD WHEN SOLID = 2.642N. SPRING RATE = 1.32N/mm.
 - LENGTH WILL BE 3.7mm WHEN IOILOK SCREWS ARE ENGAGED WITH RETAINERS IN MATING CONNECTOR.

ORDER CODE: M80-4C1XXXXFR

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

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

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

M80-4C12042FR

DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm.

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: DATAMATE J-TEK FEMALE CRIMP ASSY (SMALL BORE) WITH IOILOK HEX JACKSCREWS

DRAWING NUMBER: M80-4C1XXXXFR
 SHT 2 OF 2

SB	2	18.01.12	11626
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: S.MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			