

Customer Information Sheet

DRAWING No.: M80-4DI0605FC-02-327-00-000

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

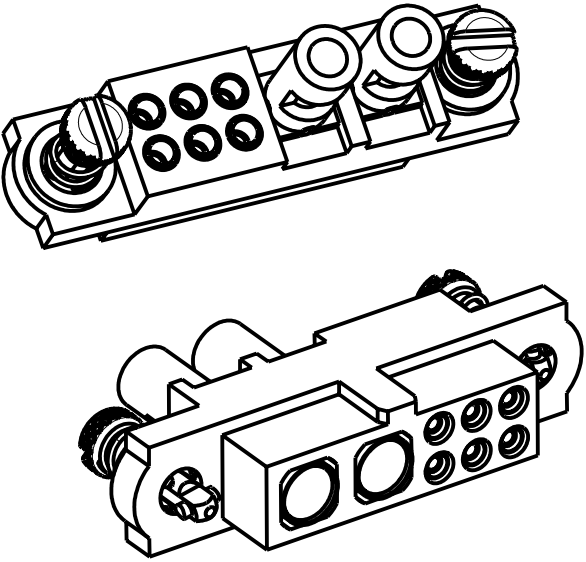
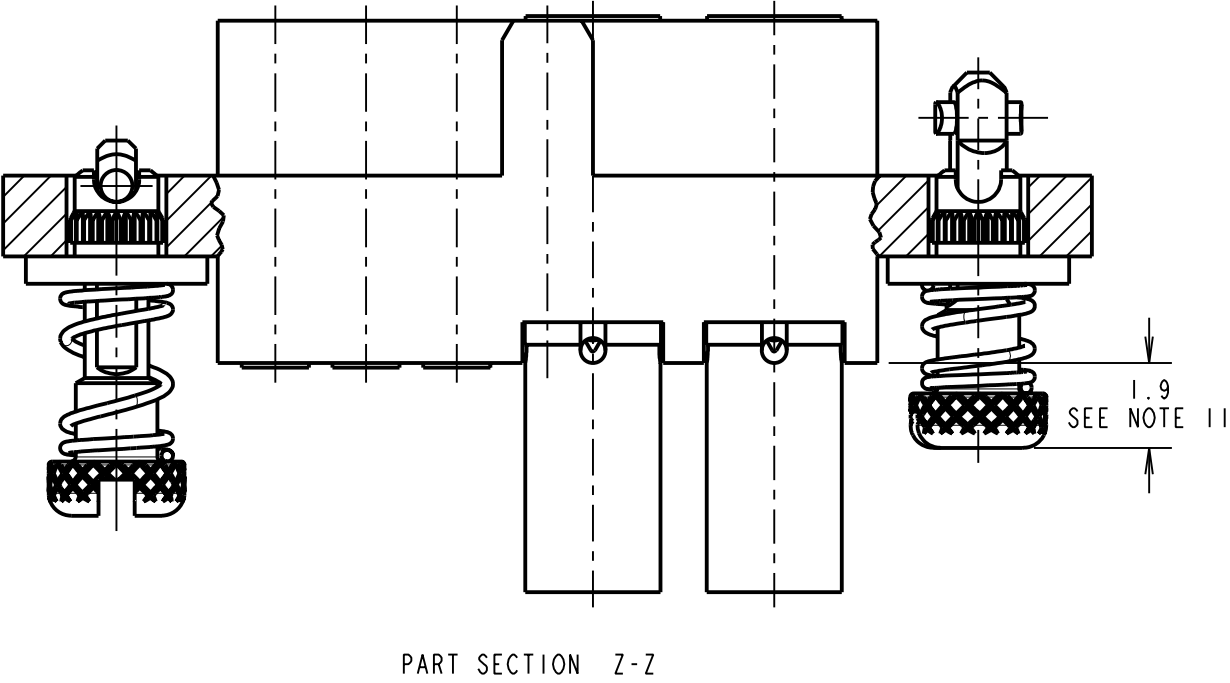
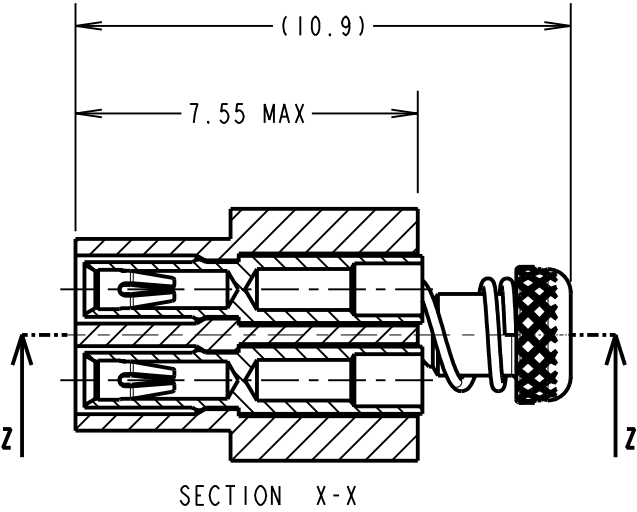
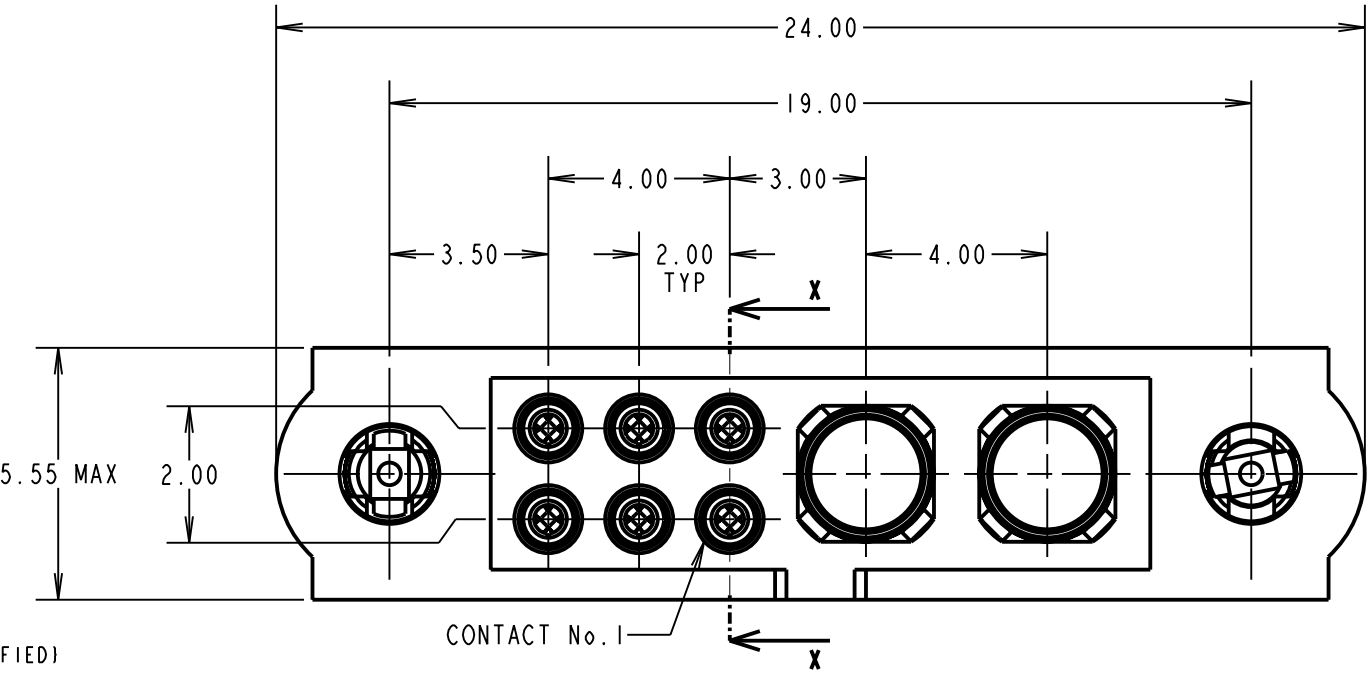
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:
MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
SIGNAL CONTACT:
CLIP = BERYLLIUM COPPER
SHELL = BRASS
POWER CONTACT:
BODY = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
HARDWARE:
IOILOK SCREW, COLLAR = STAINLESS STEEL
SPRING = MUSIC WIRE
FINISH:
SIGNAL CONTACT:
CLIP = 0.3µ GOLD
SHELL = 0.25-0.3µ GOLD
POWER CONTACT:
BODY = GOLD
LATCHING COLLAR = NICKEL
SPRINGS = TIN COATED
ELECTRICAL:
WORKING VOLTAGE = 120V AC/DC
VOLTAGE PROOF = 360V AC/DC
INSULATION RESISTANCE = 100MΩ MIN
SIGNAL CONTACT:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
CONTACT RESISTANCE = 25 mΩ MAX
POWER CONTACT:
CONTACT RESISTANCE = 6 mΩ MAX
CURRENT RATING = 10A MAX WITH 16AWG CONTACT AS SPECIFIED
MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACT:
INSERTION FORCE = 5N MAX
WITHDRAWAL FORCE = 0.5N MIN
ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C
PACKING:
BAG
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

- NOTES:**
- CONNECTOR IS SUPPLIED WITH CONTACTS LOOSE.
 - FOR EXTRA CONTACTS, USE PART No's.
M80-0110005 FOR M80-4D1XX05F1-00-000-00-000
 - RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A,
PTFE INSULATED 22 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
 - FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-327
 - POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
 - POWER CONTACT EXTRACTION TOOL = Z80-290
 - INSTRUCTION SHEETS ARE AVAILABLE.
 - SPRING LOAD WHEN SOLID = 2.64N.
SPRING RATE = 1.32N/mm
 - LENGTH WILL BE 1.9mm WHEN IOILOK JACKSCREWS
ARE ENGAGED WITH RETAINERS IN MATING CONNECTOR.



SF	A	23.07.09	----
NAME	ISS.	DATE	C/NOTE
APPROVED:		SF	
CHECKED:		MGP	
DRAWN:		S.FLOWER	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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 MIX-TEK
FEMALE CRIMP ASSY (LARGE BORE)
WITH IOILOK JACKSCREWS

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