

Customer Information Sheet

DRAWING No.: M80-4D1XXXXSI

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

CONTACT CLIP = BERYLLIUM COPPER

CONTACT SHELL = BRASS

BACKSHELL = ALUMINIUM ALLOY

BANDIT TIE & J/SCREW = STAINLESS STEEL

FINISH:

CONTACTS

05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL

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

OVER NICKEL

BACKSHELL = NICKEL

ELECTRICAL:

RF ATTENUATION = 10kHz TO 400MHz @ >30dBs

IN GENERAL ACCORDANCE WITH MIL STD 1377 (1971)

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:

SEE NOTES

FOR COMPLETE SPECIFICATION, SEE COMPONENT

SPECIFICATION C005XX (LATEST ISSUE) AND C042XX

(LATEST ISSUE)

NOTES:

1. CONNECTOR IS SUPPLIED AS A KIT OF PARTS IN A BAG.

BAGS WILL BE BULK PACKED INTO BOXES.

2. FOR EXTRA CONTACTS, USE PART No.'s.

M80-0110001 FOR M80-4D1XX42SI

M80-0110005 FOR M80-4D1XX05SI

3. FOR M80-4D1XXXXSI THE RECOMMENDED WIRE

TYPE = BS 3G 210 TYPE A, PTFE INSULATED

22 AWG. MAX INSULATION DIAMETER = Ø1.10mm,

STRIP WIRE BY 2.00mm.

4. RECOMMENDED HAND CRIMP TOOL FOR ALL CONTACTS =

M22520/2-01 WITH POSITIONER T5747.

5. CONTACT INSERTION & EXTRACTION TOOL = Z80-280.

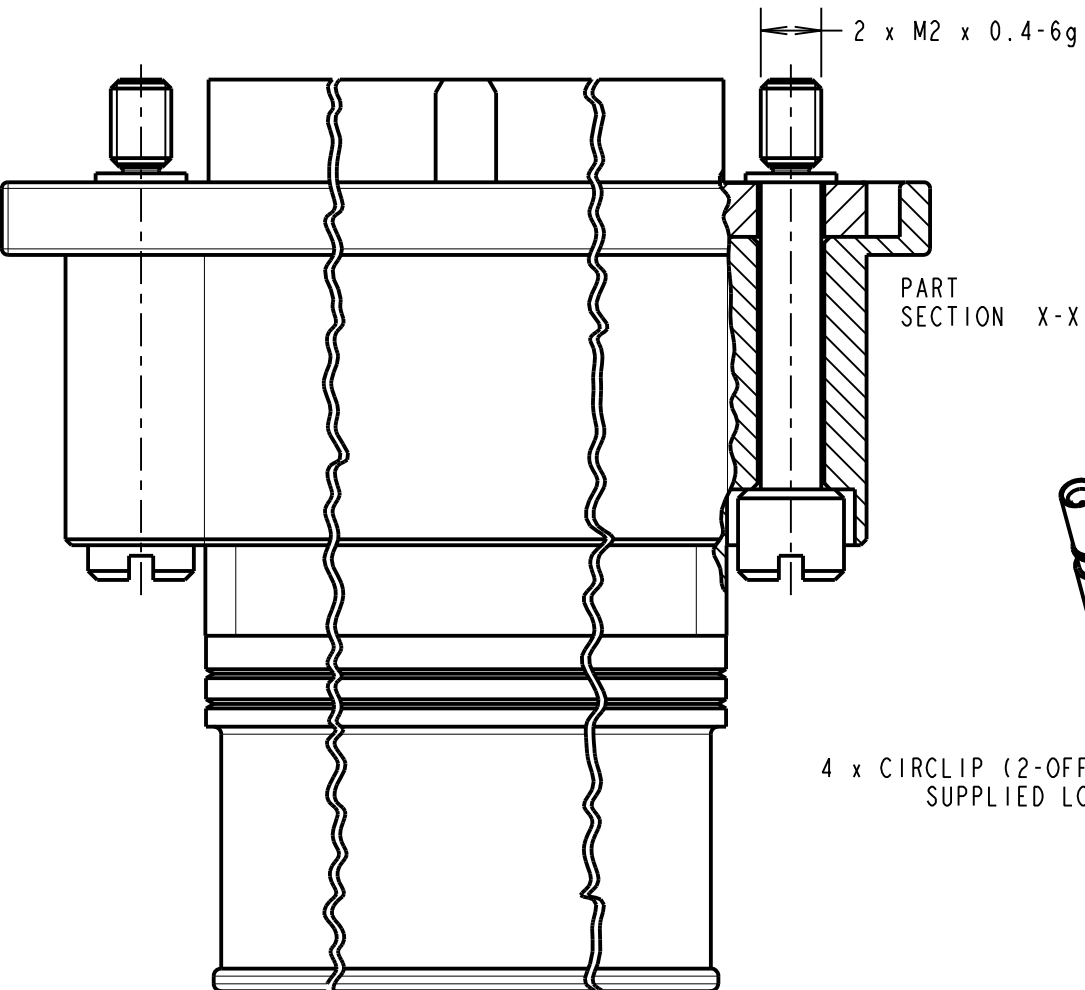
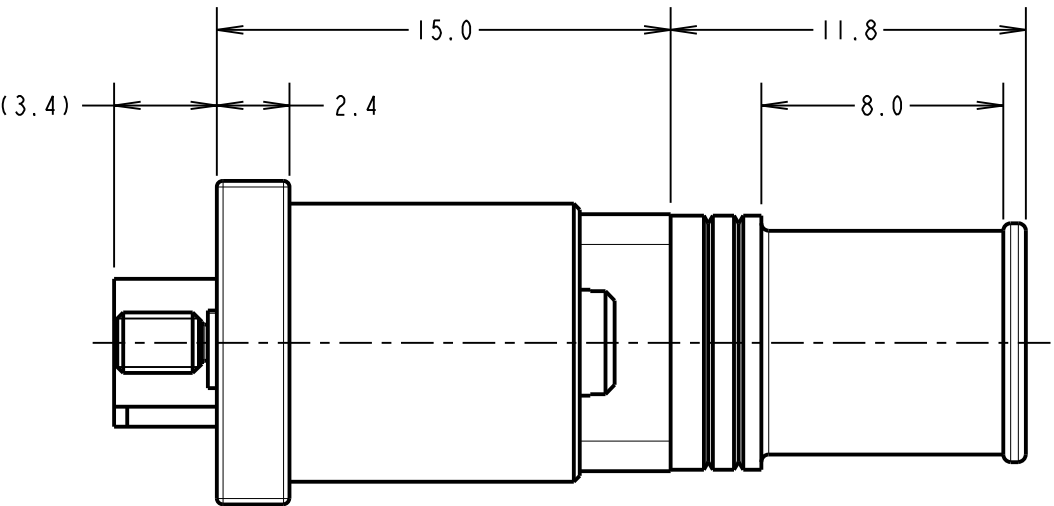
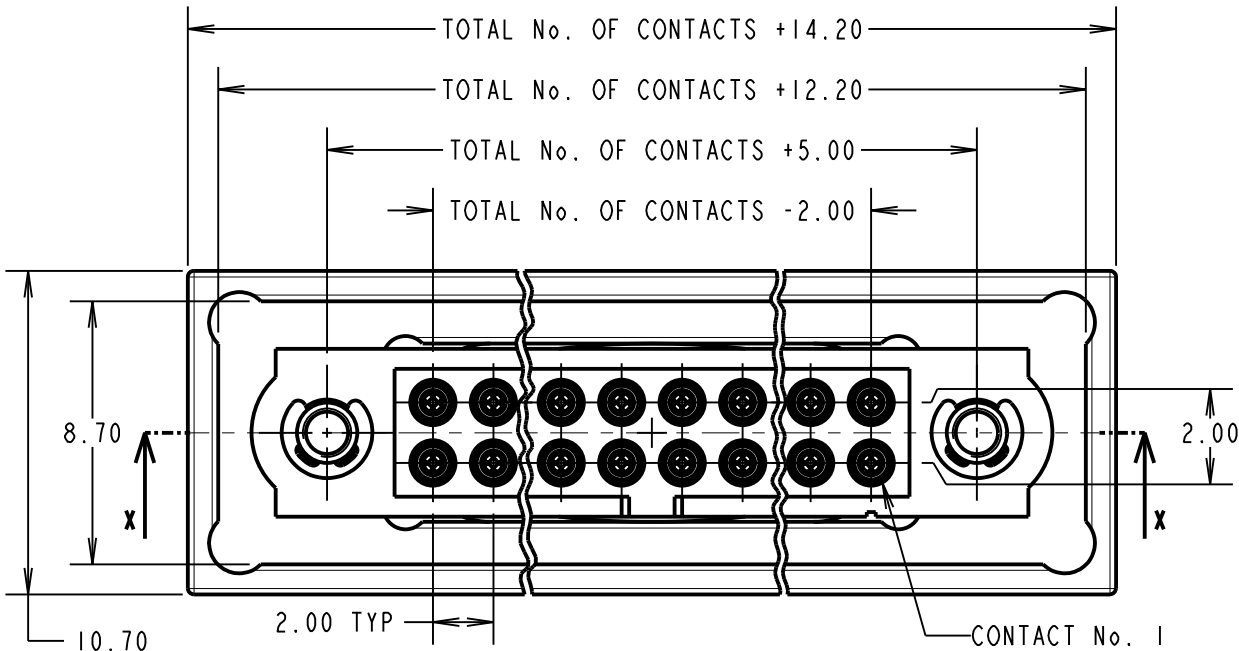
6. TO APPLY CIRCLIPS USE HARWIN TOOL = Z80-300.

7. SEE TOOLING INSTRUCTION SHEET IS-32 FOR ASSEMBLY

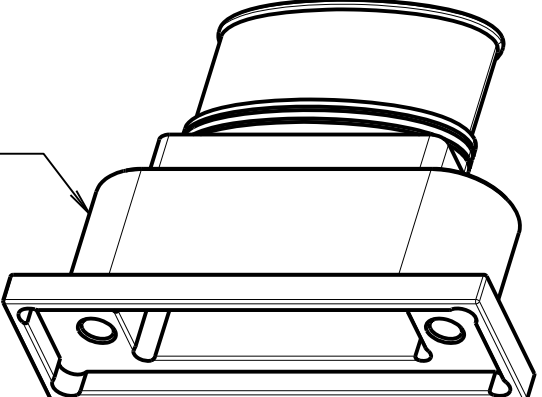
DETAILS AVAILABLE AT:

<http://www.harwin.com/downloads/instructions/>

8. 1 BANDIT TIE SUPPLIED PER KIT



1 x METAL BACKSHELL
SUPPLIED LOOSE IN BAG



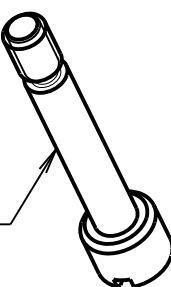
CONTACTS
(QTY = TOTAL No. OF CONTACTS)



4 x CIRCLIP (2-OFF REQUIRED)
SUPPLIED LOOSE IN BAG
SEE NOTE 6



2 x M2 SLOTTED JACKSCREWS
SUPPLIED LOOSE IN BAG



ORDER CODE:

M80-4D1XXXXSI

TOTAL No. OF CONTACTS

06, 10, 14, 20, 26

FINISH CODE

05 - GOLD CLIP, GOLD SHELL

42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL

EXAMPLE ORDER CODE 1: CONNECTOR WITH 20 LARGE BORE
SIGNAL CONTACTS, GOLD CLIP AND GOLD SHELL

M80-4D12042SI

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 (LARGE BORE) ASSY
WITH METAL BACKSHELL

DRAWING NUMBER:

M80-4D1XXXXSI

SB	4	15.03.11	11172
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

SHT
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