Customer Information Sheet

DRAWING No.: M80-5D1060500-02-317-02-335	SHEET 2 OF 2	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:
- MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
- SIGNAL CONTACT:
  - CLIP = BERYLIUM COPPER
  - SHELL = COPPER ALLOY
- COAX CONTACT:
  - BODY, SLEEVE = COPPER ALLOY
  - INNER CONTACT, LATCHING COLLAR = BERYLIUM COPPER
  - INSULATOR = PTFE
- POWER CONTACT:
  - BODY = COPPER ALLOY
  - LATCHING COLLAR = BERYLLIUM COPPER

FINISH:
- SIGNAL CONTACT:
  - CLIP = 0.3µ GOLD OVER NICKEL
  - SHELL = 0.25-0.3µ GOLD OVER NICKEL
- COAX CONTACT:
  - BODY, SLEEVE, INNER CONTACT = GOLD OVER NICKEL
  - LATCHING COLLAR = NICKEL
- POWER CONTACT:
  - BODY = GOLD OVER NICKEL
  - LATCHING COLLAR = NICKEL

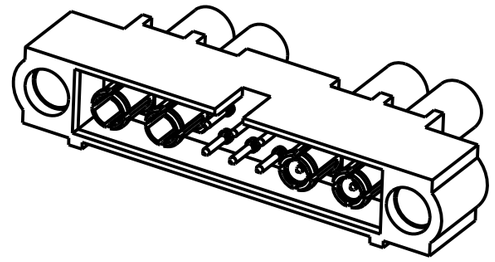
ELECTRICAL:
- WORKING VOLTAGE = 800V AC/DC
- VOLTAGE PROOF = 1200V AC/DC
- INSULATION RESISTANCE = 100MΩ MIN
- SIGNAL CONTACT:
  - CURRENT RATING AT 25°C = 3.0A MAX
  - CURRENT RATING AT 85°C = 2.2A MAX
  - CONTACT RESISTANCE = 25 mΩ MAX
- COAX CONTACT:
  - FREQUENCY RANGE = 6GHz
  - IMPEDANCE = 50 Ω
  - V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX
  - CONTACT RESISTANCE 6 mΩ MAX
  - INSULATION RESISTANCE = 10^6MΩ @250V AC
  - OPERATING VOLTAGE = 180V AC @ 500mA
  - MAXIMUM VOLTAGE = 1000V AC
- POWER CONTACT:
  - CONTACT RESISTANCE = 6 mΩ MAX
  - CURRENT RATING = 20A MAX WITH 12AWG CONTACT AS SPECIFIED

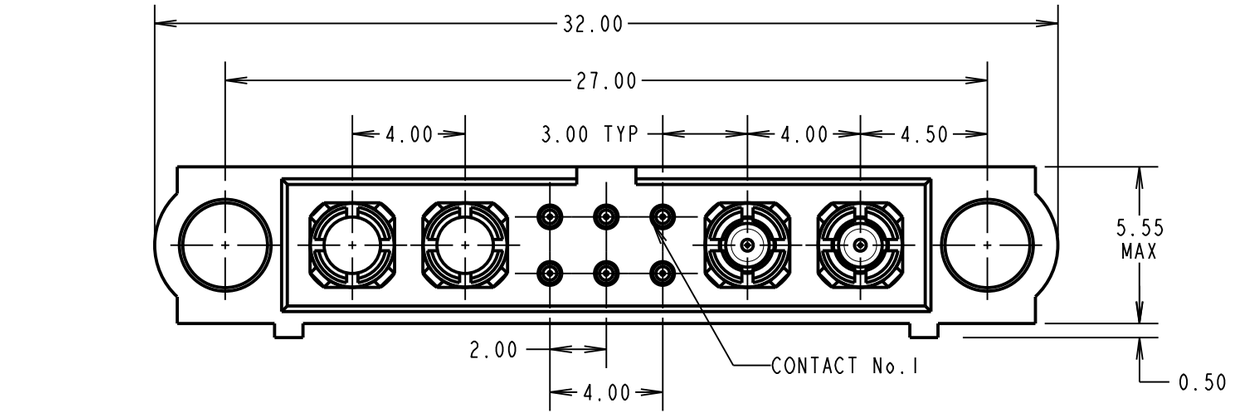
MECHANICAL:
- DURABILITY = 500 OPERATIONS
- SIGNAL CONTACT:
  - INSERTION FORCE = 2.8N MAX
  - WITHDRAWAL FORCE = 0.2N MIN
- COAX AND POWER CONTACT:
  - INSERTION FORCE = 8N MAX
  - WITHDRAWAL FORCE = 0.5N MIN

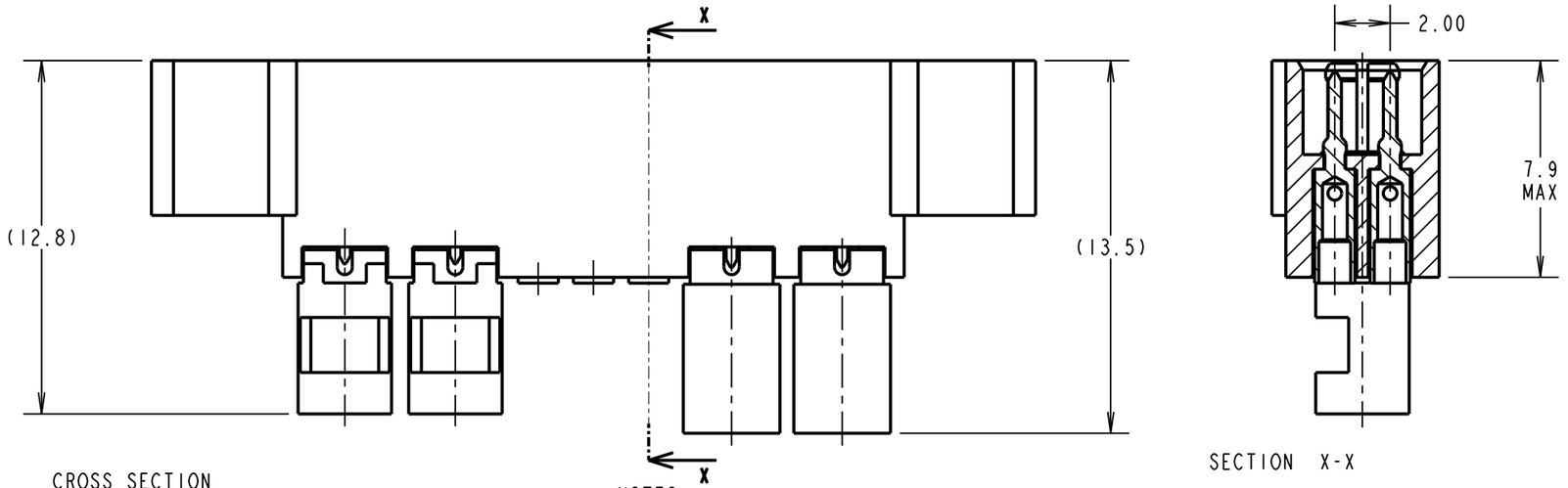
ENVIRONMENTAL:
- TEMPERATURE RANGE = -55°C TO +125°C

PACKING:
- BAG

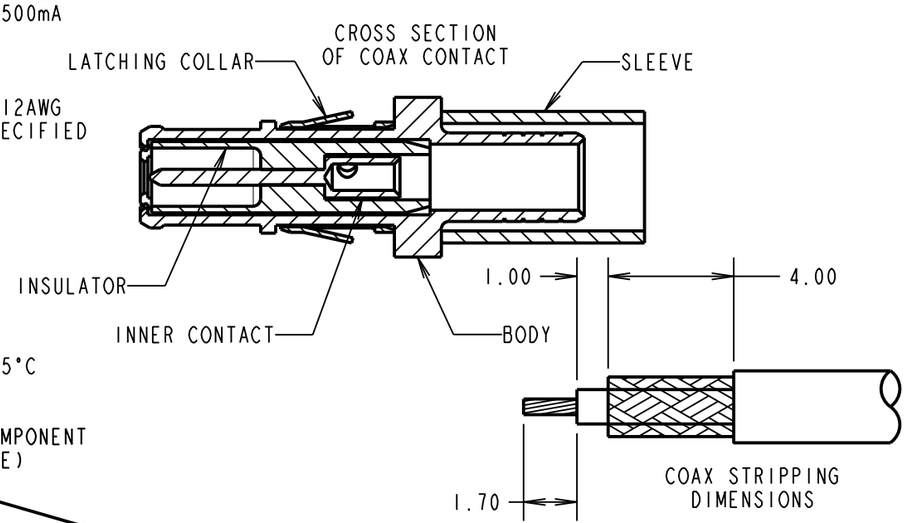
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

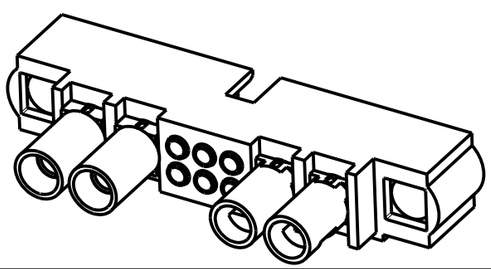






SECTION X-X





NOTES:
1. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-1940005.
3. RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00MM FOR CRIMPING.
4. RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER Z80-193. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
5. SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
6. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INNER CONTACT ARE SEPARATE.
7. FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-317.
8. RECOMMENDED HAND CRIMP TOOL FOR COAX INNER CONTACT = Z80-292 WITH POSITIONER Z80-291 AND RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR COAX SLEEVE = Z80-293.
9. COAX CONTACT EXTRACTION TOOL = Z80-290
10. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-335
11. POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
12. POWER CONTACT EXTRACTION TOOL = Z80-290
13. INSTRUCTION SHEETS ARE AVAILABLE.

MGP	I	02.01.13	-----
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: MS			
DRAWN: M. G. PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN
www.harwin.com
technical@harwin.com

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: JACKSCREW DATAMATE MIXED TECHNOLOGY CRIMP FEMALE ASSEMBLY

DRAWING NUMBER: M80-5D1060500-02-317-02-335

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