

# Customer Information Sheet

DRAWING No.: M80-4C102F1-11-305

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  
 JACKSCREW & CIRCLIP = STAINLESS STEEL  
**SIGNAL CONTACT:**  
 CLIP = BERYLLIUM COPPER  
 SHELL = BRASS  
**COAX CONTACT:**  
 BODY & SLEEVE = COPPER ALLOY  
 INNER CONTACT & LATCHING COLLAR = BERYLLIUM COPPER  
 INSULATOR = PTFE

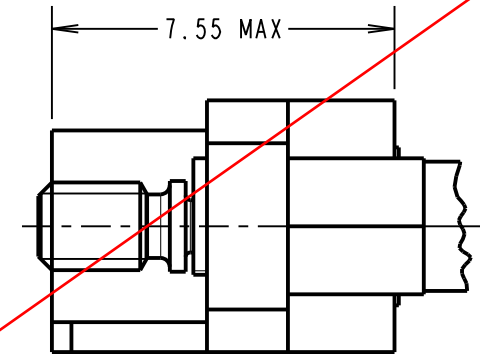
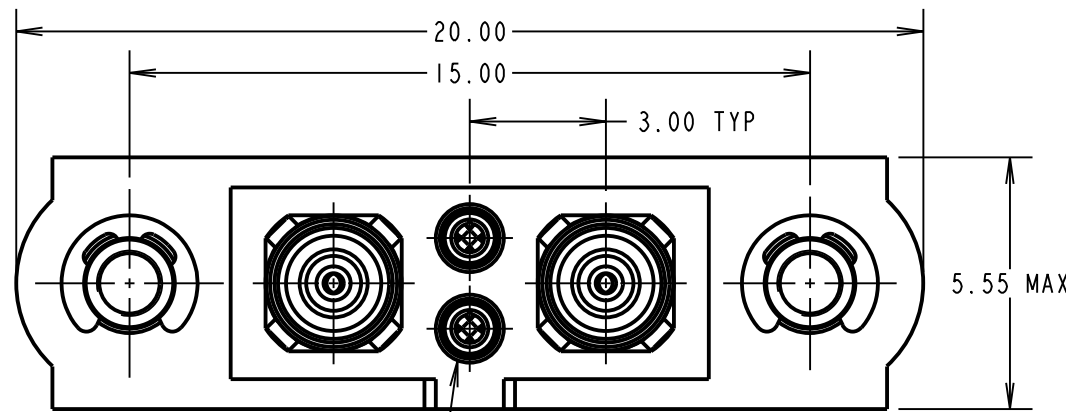
**FINISH:**  
**SIGNAL CONTACT:**  
 CLIP = 0.3µ GOLD  
 SHELL = 3.5-5.0µ 100% TIN OVER NICKEL  
**COAX CONTACT:**  
 BODY, SLEEVE & INNER CONTACT = GOLD  
 LATCHING COLLAR = NICKEL

**ELECTRICAL:**  
**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 = 50Ω  
 V.S.W.R. = 1.05 + (0.04 x FREQUENCY) GHz MAX  
 CONTACT RESISTANCE = 6mΩ MAX  
 INSULATION RESISTANCE = 10<sup>9</sup> MΩ @250V AC  
 OPERATING VOLTAGE = 180V AC @ 500mA  
 MAXIMUM VOLTAGE = 1,000V AC  
 WORKING VOLTAGE = 120V AC/DC  
 VOLTAGE PROOF = 360V AC/DC  
 INSULATION RESISTANCE = 100 MΩ MIN

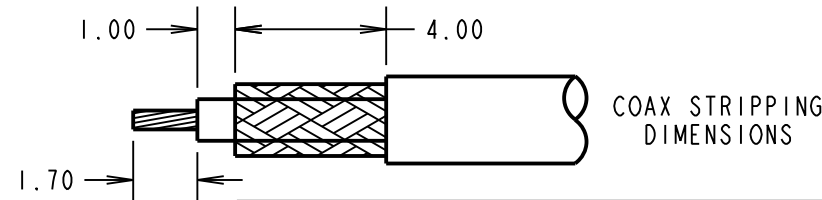
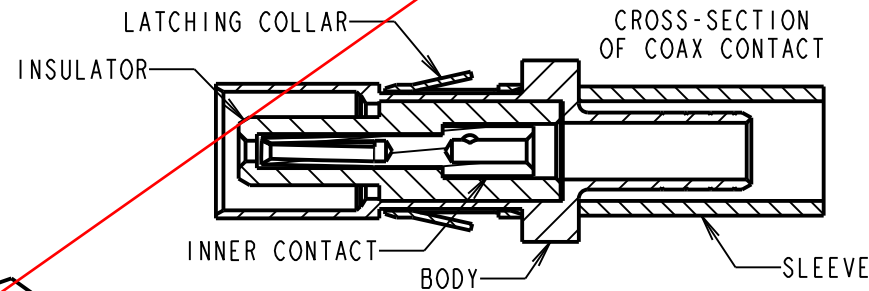
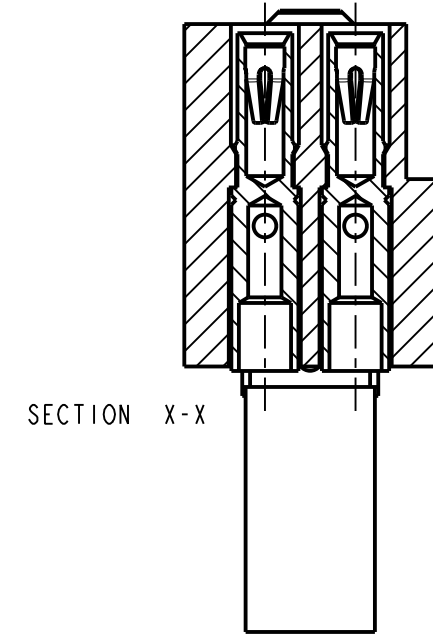
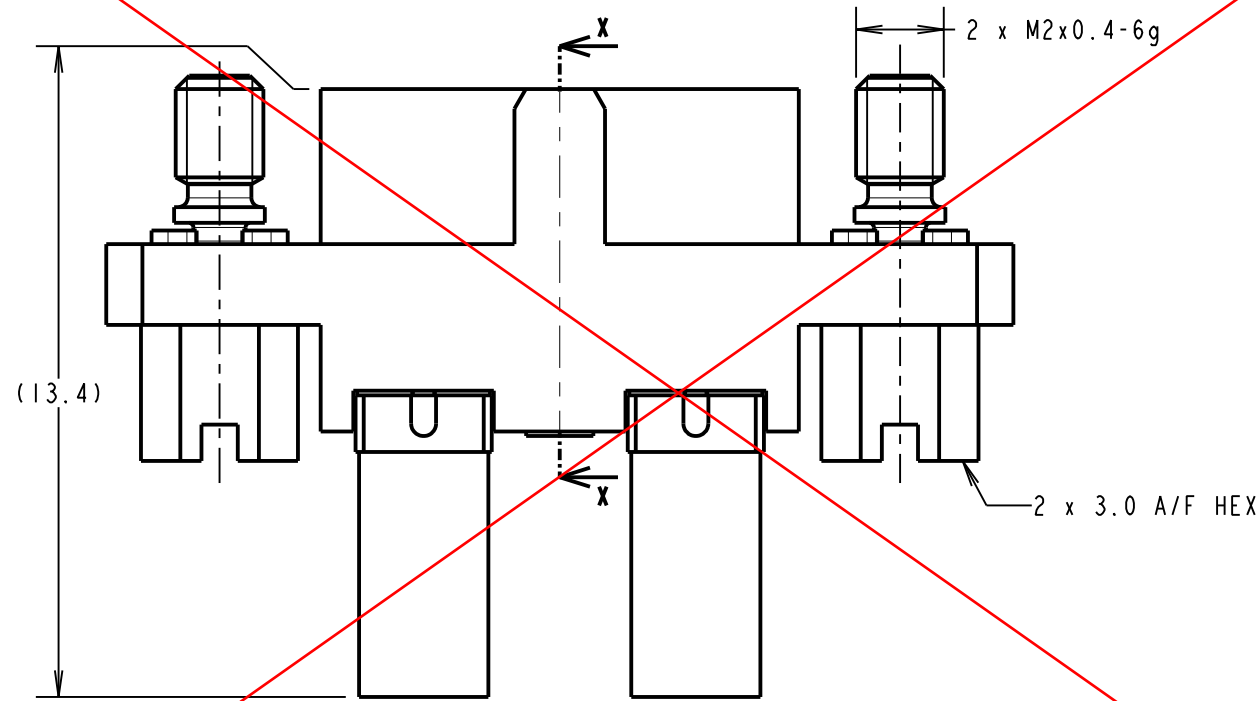
**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
**SIGNAL CONTACT:**  
 INSERTION FORCE = 2.8N MAX  
 WITHDRAWAL FORCE = 0.2N MIN  
**COAX CONTACT:**  
 INSERTION FORCE = 5N MAX  
 WITHDRAWAL FORCE = 0.5N MIN

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

**PACKING:**  
 BAG  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



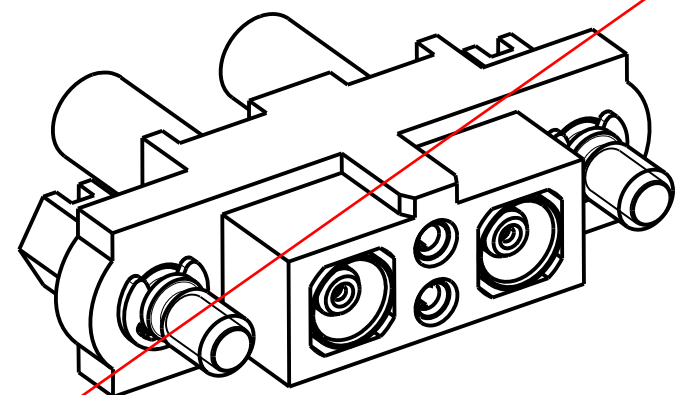
**OBSOLETE**



**NOTES:**

- CONNECTORS ARE SUPPLIED AS A KIT OF PARTS. MOULDING AND JACKSCREWS ASSEMBLED WITH SIGNAL CONTACTS AND COAX INNER CONTACT AND SLEEVE LOOSE WITH COAX BODY, INSULATOR AND LATCHING COLLAR ASSEMBLED.
- FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130001.  
FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-305.
- RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG, MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACT = M22520/2-01 WITH POSITIONER T5747.
- 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.
- SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
- COAX CONTACT EXTRACTION TOOL = Z80-290.
- INSTRUCTION SHEETS ARE AVAILABLE.

SM	1	27.08.10	10806
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			



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HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg		SEE ABOVE	SEE ABOVE	SEE ABOVE	