Customer Information Sheet DRAWING No.: M80-4C11005F1-01-305-00-000 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 = BRASS COAX CONTACT: BODY, SLEEVE = BRASS INNER CONTACT, LATCHING COLLAR = BERYLIUM COPPER INSULATOR = PTFE -3.50 -7.55 MAX-2.00 TYP JACKSCREW, CIRCLIP: STAINLESS STEEL FINISH: SIGNAL CONTACT: CLIP = 0.3µ GOLD SHELL = 0.25-0.3μ GOLD COAX CONTACT: BODY, SLEEVE, INNER CONTACT = GOLD LATCHING COLLAR = NICKEL 5.55 MAX ELECTRICAL: WORKING VOLTAGE = 120V AC/DC VOLTAGE PROOF = 360V AC/DC INSULATION RESISTANCE = $100\text{M}\Omega$ MIN SIGNAL CONTACT: CURRENT RATING AT 25°C = 3.0A MAX CURRENT RATING AT 85°C = 2.2A MAX CONTACT RESISTANCE = 25 m Ω MAX -CONTACT No.I COAX CONTACT: FREQUENCY RANGE = 6GHz IMPEDANCE = $50~\Omega$ V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX CONTACT RESISTANCE $6~m\Omega$ MAX 2 x M2x0.4 2.00 INSULATION RESISTANCE = $10^6 \text{M}\Omega$ @250V AC OPERATING VOLTAGE = 180V AC @ 500mA MAXIMUM VOLTAGE = 1000V AC MECHANICAL: DURABILITY = 500 OPERATIONS SIGNAL CONTACT: INSERTION FORCE = 2.8N MAX WITHDRAWAL FORCE = 0.2N MIN SECTION X-X COAX CONTACT: INSERTION FORCE = 5N MAX WITHDRAWAL FORCE = 0.5N MIN ENVIRONMENTAL: TEMPERATURE RANGE = -55°C TO +125°C PACKING: FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COOSXX (LATEST ISSUE) (13.4)1.00 -- 4.00 -2 x 3.00 A/F HEX COAX STRIPPING DIMENSIONS 1.70 -NOTES: I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE. 29.06.11 CROSS SECTION OF COAX CONTACT 2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005. NAME ISS DATE C/NOTE LATCHING COLLAR--SLEEVE 3. RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE APPROVED: S.BENNETT INSULATED 24-28 AWG CHECKED: M.G.PLESTED MAX INSULATION DIAMETER = ØI.IOmm. STRIP WIRE BY 2.00MM FOR CRIMPING. DRAWN: S.BENNETT 4. RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 CUSTOMER REF.: WITH POSITIONER T5747. INSULATOR-SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. 6. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR INNER CONTACT ASSEMBLY DRG: AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INNER CONTACT ARE SEPARATE. THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION. 7. FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-305. TOLERANCES MATERIAL: DATAMATE MIX-TEK 8. RECOMMENDED HAND CRIMP TOOL FOR COAX INNER CONTACT = X. = ±1mm FEMALE CRIMP ASSY SEE ABOVE Z80-292 WITH POSITIONER Z80-291 AND RECOMMENDED HAND X.X = ±0.25mm WITH BOARD MOUNT J/SCREWS X.XX = ±0.10mm

CRIMP TOOL AND DIE SET FOR COAX SLEEVE = Z80-293.

9. COAX CONTACT EXTRACTION TOOL = Z80-290

IO. INSTRUCTION SHEETS ARE AVAILABLE.

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ANGLES = ±5° UNLESS STATED

 $.XXX = \pm 0.01$ mm FINISH:

S/AREA

SEE ABOVE

DRAWING NUMBER:

M80-4C11005F1-01-305-00-000 CF2