Customer Information Sheet ALL DIMENSIONS IN mm DRAWING No.: M80-5000000MN-XX-XXX-00-000 SHEET 4 OF 6 NOT TO SCALE THIRD ANGLE PROJECTION SPECIFICATIONS: M80-315/316/317 COAX CRIMP CONTACTS ONLY M80-318/319 MATERIAL: x No. OF CONTACTS x No. OF CONTACTS MOULDING: GLASS FILLED PPS, UL94V-0, BLACK COAX CONTACT: BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY LATCHING COLLAR = BERYLLIUM COPPER -10.30 MAX — INSULATOR = PTFE 4.50 BOARD MOUNT JACKSCREW, SCREW = STAINLESS STEEL FINISH: 7.85 COAX CONTACT: MAX BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD 5.55 LATCHING COLLAR = NICKEL MAX FIFCTRICAL: WORKING VOLTAGE = 800V AC/DC VOLTAGE PROOF = 1200V AC/DC INSULATION RESISTANCE = $100M\Omega$ MIN (3.6)0.50 COAX CONTACT: FREQUENCY RANGE = 6GHz CONTACT 'A IMPEDANCE = 50Ω (13.4)V.S.W.R = $1.05 + (0.04 \times FREQUENCY)$ GHz MAX CONTACT RESISTANCE = $6m\Omega$ MAX INSULATION RESISTANCE = $10^{6} \text{M}\Omega$ @250V AC OPERATING VOLTAGE = 180V AC @ 500mA MAXIMUM VOLTAGE = 1000V AC — 2 x M2x0.4 MECHANICAL: DURABILITY = 500 OPERATIONS SECTION Z-Z COAX CONTACT: 5.60 INSERTION FORCE = 8N MAX $2 \times M2 \times 0.4 -$ MAXWITHDRAWAL FORCE = 0.5N MIN **ENVIRONMENTAL:** TEMPERATURE RANGE = -55°C TO +125°C PACKING: BAG FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COOSXX (LATEST ISSUE) -COAX CRIMP M80-315/316/317 4.00 ·90° COAX CRIMP M80-318/319 90° COAX STRIPPING COAX STRIPPING DIMENSIONS RECOMMENDED PCB LAYOUT DIM 'B' -SLEEVE INNER CONTACT ORDER CODE: (COAX CRIMP CONTACTS) 25,03,15 12566 2 CRIMP/SOLDER NOTES: 6.00 I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE. NAME ISS DATE C/NOT M80-500000MN-XX-XXX-00-000 2. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, MAIN INSULATOR, APPROVED: M.PERREN TOTAL No. OF CONTACTS 02 TO 12 INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE CHECKED S.BENNETT AND INSULATED END PLUG ASSEMBLY ARE SEPARATE. ∠Ø2.20 MIN TYP 3. FOR EXTRA COAX CONTACTS, USE PART NUMBERS M80-315/3+6/317/318/319. DRAWN R. ADDE SPECIAL CONTACTS COAX CONTACT EXTRACTION TOOL = Z80-290. 315 = COAX CONTACT 2.00mm CRIMP M80-315 CUSTOMER REF.: 5. RECOMMENDED HAND CRIMP TOOL FOR INNER COAX CONTACT = Z80-292 DIMENSION CALCULATION WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET 318 = COAX CONTACT 2.00mm HORIZ' CRIMP M80-318 319 = COAX CONTACT 2.70mm HORIZ' CRIMP M80-319 4 x No. OF CONTACTS - 4.00 FOR SLEEVE = Z80-293. ASSEMBLY DRG: DIM 'A' 6. INSTRUCTION SHEETS ARE AVAILABLE. 4 x No. OF CONTACTS + 5.00 DIM 'B' THIS DRAWING AND ANY
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DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING, TOLERANCES MATERIAL: TITLE: DATAMATE MIX-TEK DIM 'C' 4 x No. OF CONTACTS + 10.00 X. = ±1mm PC TAIL MALE ASSY WITH SEE ABOVE $X.X = \pm 0.50 mr$ EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS, BOARD MOUNT J/SCREWS $X.XX = \pm 0.10$ mm M80-500000MN-08-315-00-000 $.XXX = \pm 0.01mr$ DRAWING NUMBER: FINISH: SEE ABOVE www.harwin.com DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm

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TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

ANGLES = ±5°

UNLESS STATED

S/AREA:

mm²

M80-500000MN-XX-XXX-00-000



