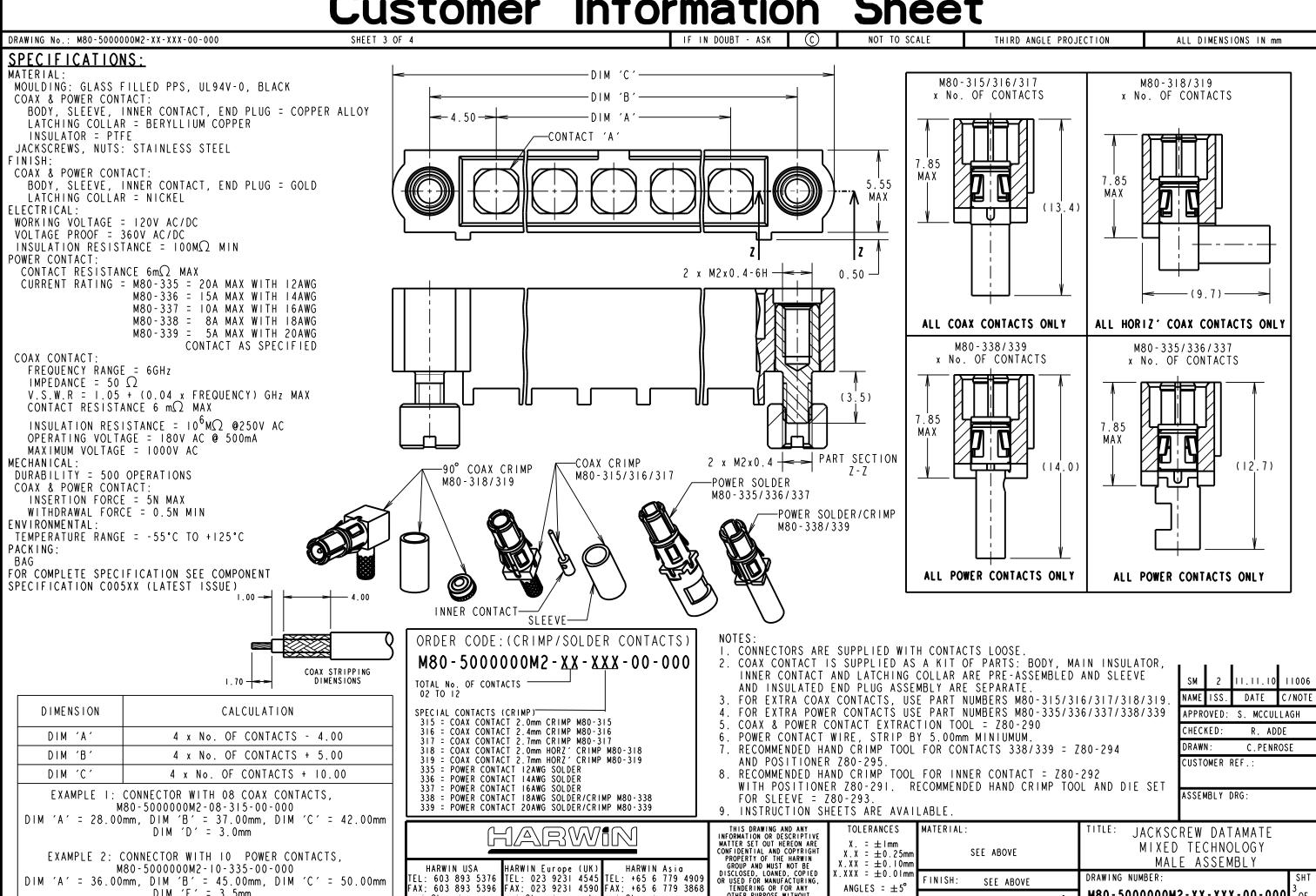
Customer Information Sheet



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FINISH:

S/AREA:

ANGLES = ±5°

UNLESS STATED

TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

SEE ABOVE

M80-5000000M2-XX-XXX-00-000 of

DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm

DIM 'E' = 3.5mm

Customer Information Sheet DRAWING No.: M80-5000000M2-XX-XXX-00-000 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm RECOMMENDED PCB LAYOUTS FOR ALL COAX CONTACTS ONLY SPECIFICATIONS: RECOMMENDED PCB LAYOUT FOR ALL POWER ONLY MATERIAL: M80-311/312 MOULDING: GLASS FILLED PPS, UL94V-0, BLACK 4.50 TYP 4.50 TYP 2.00 TYP -DIM 'A'— COAX & POWER CONTACT: BODY, INNER CONTACT, = COPPER ALLOY - 2.00 4.00 TYP 4 00 TYP INSULATOR = PTFE JACKSCREW: STAINLESS STEEL FINISH: COAX & POWER CONTACT: Ø 0.60 MIN TYP BODY, INNER CONTACT, = GOLD M80-313/314 2 x Ø 2.20 MIN → Ø1.60 MIN TYP ELECTRICAL: 2 x Ø2.20 MIN WORKING VOLTAGE = 120V AC/DC VOLTAGE PROOF = 360V AC/DC M80-313/314 M80-311/312 INSULATION RESISTANCE = $100M\Omega$ MIN x No. OF CONTACTS x No. OF CONTACTS POWER CONTACT: CONTACT RESISTANCE $6m\Omega$ MAX 4.50 CURRENT RATING = 20A MAX COAX CONTACT: FREQUENCY RANGE = 6GHz 5.60 MAX IMPEDANCE = 50 Ω $V.S.W.R = 1.05 + (0.04 \times FREQUENCY) GHz MAX$ 5.55 CONTACT RESISTANCE 6 m Ω MAX MAX INSULATION RESISTANCE = $10^6 \text{M}\Omega$ @250V AC MAXOPERATING VOLTAGE = 180V AC @ 500mA DIMMAXIMUM VOLTAGE = 1000V AC DIM MECHANICAL: DURABILITY = 500 OPERATIONS ALL HORIZ' COAX ALL COAX CONTACTS ONLY COAX & POWER CONTACT: 0.50 CONTACTS ONLY 2 x M2x0.4-6H INSERTION FORCE = 5N MAX M80-331/332 M80-333/334 WITHDRAWAL FORCE = 0.5N MIN x No. OF CONTACTS x No. OF CONTACTS **ENVIRONMENTAL:** TEMPERATURE RANGE = -55°C TO +125°C -5.60-PACKING: MAX 5 60 TUBE MAX FOR COMPLETE SPECIFICATION SEE COMPONENT 5.60 SPECIFICATION COO5XX (LATEST ISSUE) МΔХ NOTES: I. FOR EXAMPLE OF ALL COAX SPECIAL CONTACTS (3.5) ORDER CODE SEE EXAMPLE I IN TABLE. DIM2. FOR EXAMPLE OF ALL POWER SPECIAL CONTACTS ORDER CODE SEE EXAMPLE 2 IN TABLE. ′G DIM SPECIAL CONTACTS HIDDEN FOR ILLUSTRATION ONLY-SEE ORDER CODE FOR PART No. TO BE ASSEMBLED DIMENSION CALCULATION $2 \times M2 \times 0.4$ ALL HORIZ' POWER ALL POWER CONTACTS ONLY CONTACTS ONLY DIM 'A' 4 x No. OF CONTACTS - 4.00 ORDER CODE: (PC TAIL CONTACTS ONLY) PART SECTION VIEW OF X-X DIM 'B' 4 x No. OF CONTACTS + 5.00 M80-5000000M2-XX-XXX-00-000 11,11,10 VIEW OF POWER CONTACT VIEW OF COAX CONTACT COAX CONTACT DIM 'C' 4 x No. OF CONTACTS + 10.00 DATE C/NOTI TOTAL No. OF CONTACTS -02 TO 12 DIM 'D' M80-311 = 3.0mm, M80-312 = 4.5mm APPROVED: S. MCCULLAGH DIM 'E' SPECIAL CONTACTS (PC TAIL)-CHECKED: R. ADDE M80-313 = 3.0mm, M80-314 = 4.5mm INSULATOR 311= COAX CONTACT 3.0mm PC TAIL M80-311 C.PENROSE 312 = COAX CONTACT 4.5mm PC TAIL M80-312 DIM 'F' M80-331 = 3.5mm, M80-332 = 5.0mm INSULATOR 313 = COAX CONTACT 3.0mm HORZ' PC TAIL M80-313 314 = COAX CONTACT 4.5mm HORZ' PC TAIL M80-314 CUSTOMER REF.: DIM 'G' M80-333 = 3.0mm, M80-334 = 4.5mm 331 = POWER CONTACT 3.5mm VERT' PC TAIL M80-331 332 = POWER CONTACT 5.0mm VERT' PC TAIL M80-332 BODY EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS. ASSEMBLY DRG: 333 = POWER CONTACT 3.0mm HORZ' PC TAIL M80-333 M80-5000000M2-08-313-00-000 334 = POWER CONTACT 4.5mm HORZ' PC TAIL M80-334 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE COMFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, DIM 'D' = 3.0mmMATERIAL: TOLERANCES JACKSCREW DATAMATE X. = ±1mm MIXED TECHNOLOGY EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS. $X.X = \pm 0.25 mn$ SEE ABOVE MALE ASSEMBLY $X.XX = \pm 0.10$ mm M80-5000000M2-10-334-00-000 HARWIN Europe (UK) HARWIN Asia HARWIN USA X.XXX = ±0.01mm DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm TEL: 603 893 5376 TEL: 023 9231 4545 TEL: +65 6 779 4909 FAX: 603 893 5396 FAX: 023 9231 4590 FAX: +65 6 779 3868 DRAWING NUMBER: FINISH: SEE ABOVE TENDERING OR FOR ANY OTHER PURPOSE WITHOUT ANGLES = ±5° DIM 'E' = 3.5 mmM80-5000000M2-XX-XXX-00-000 mis@harwin.com.sg S/AREA: mis@harwin.co.uk UNLESS STATED THEIR WRITTEN PERMISSION