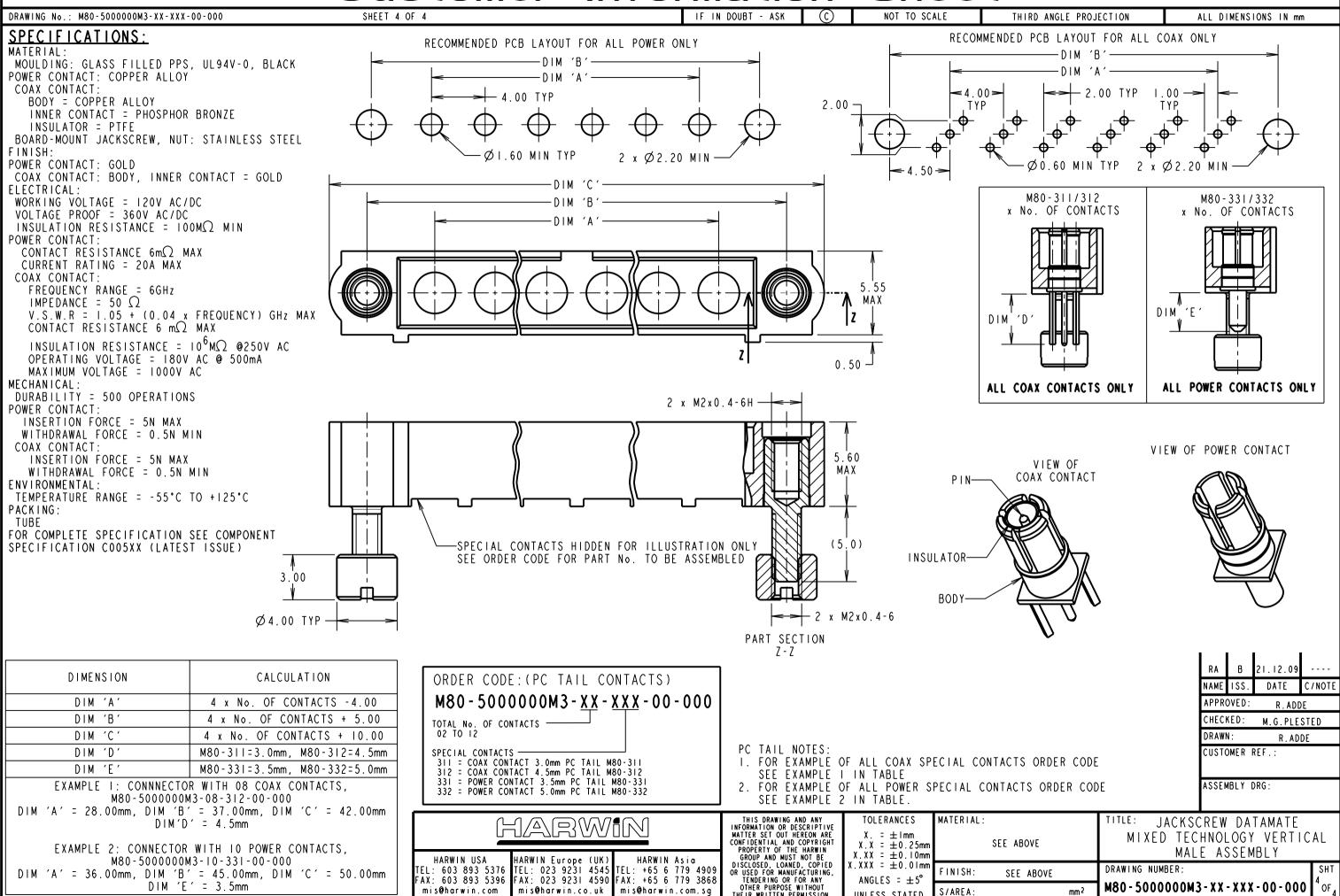
Customer Information Sheet DRAWING No.: M80-5000000M3-XX-XXX-00-000 IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm SPECIFICATIONS: -DIM 'C ' M80-315/316/317 M80-318/319 MATERIAL: x No. OF CONTACTS x No. OF CONTACTS MOULDING: GLASS FILLED PPS, UL94V-O, BLACK COAX & POWER CONTACT: -4.50 → BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY MAX LATCHING COLLAR = BERYLLIUM COPPER INSULATOR = PTFE MAX BOARD MOUNT JACKSCREW. NUT: STAINLESS STEEL FINISH: MAX (13.4) COAX & POWER CONTACT: BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD LATCHING COLLAR = NICKEL FIFCTRICAL: (3.6)4.00 TYP 0.50 WORKING VOLTAGE = 120V AC/DC 2 x M2x0.4-6H VOLTAGE PROOF = 360V AC/DC INSULATION RESISTANCE = $100M\Omega$ MIN ALL HORZ' COAX CONTACTS ONLY POWER CONTACT: ALL COAX CONTACTS ONLY CONTACT RESISTANCE $6m\Omega$ MAX CURRENT RATING = M80-335 = 20A MAX WITH 12AWG 5.60 M80-338/339 M80-335/336/337 x No. OF CONTACTS M80-336 = 15A MAX WITH 14AWG x No. OF CONTACTS M80-337 = IOA MAX WITH I6AWGM80-338 = 8A MAX WITH 18AWG M80-339 = 5A MAX WITH 20AWG CONTACT AS SPECIFIED COAX CONTACT: 7.85 MAX PART SECTION FREQUENCY RANGE = 6GHz MAX 3.00 IMPEDANCE = 50 Ω X - X (14.0) $V.S.W.R = 1.05 + (0.04 \times FREQUENCY)$ GHz MAX (12.7)CONTACT RESISTANCE 6 m Ω MAX $2 \times M2 \times 0.4 - 6$ Ø4.00 TYP INSULATION RESISTANCE = $10^{6} \text{M}\Omega$ @250V AC OPERATING VOLTAGE = 180V AC @ 500mA -POWER SOLDER/CRIMP MAXIMUM VOLTAGE = 1000V AC RECOMMENDED PCB CUT OUT M80-338/339 MECHANICAL: -DIM 'B' — DURABILITY = 500 OPERATIONS -POWER SOLDER COAX & POWER CONTACT: Ø2.20 MAX M80-335/336/337 INSERTION FORCE = 5N MAX ALL POWER CONTACTS ONLY ALL POWER CONTACTS ONLY WITHDRAWAL FORCE = 0.5N MIN ENVIRONMENTAL: 6.00 TEMPERATURE RANGE = -55°C TO +125°C PACKING: BAG FOR COMPLETE SPECIFICATION SEE COMPONENT - 2.00 SPECIFICATION COO5XX (LATEST ISSUE) -COAX CRIMP M80-315/316/317 COAX STRIPPING -90° COAX CRIMP DIMENSIONS M80-318/319 CRIMP/SOLDER NOTES: ORDER CODE: (CRIMP/SOLDER CONTACTS) I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE. 2. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, MAIN INSULATOR, M80-500000M3-XX-XXX-00-000 INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INSULATED END PLUG ASSEMBLY ARE SEPARATE. TOTAL No. OF CONTACTS — 02 TO 12 21 12 09 FOR EXTRA COAX CONTACTS, USE PART NUMBERS M80-315/316/317/318/319 NAME ISS. DATE C/NOTE INNER CONTACT -SLEEVE FOR EXTRA POWER CONTACTS USE PART NUMBERS M80-335/336/337/338/339 SPECIAL CONTACTS APPROVED: R. ADDE COAX & POWER CONTACT EXTRACTION TOOL = Z80-290 315 = COAX CONTACT 2.00mm CRIMP M80-315 316 = COAX CONTACT 2.40mm CRIMP M80-316 317 = COAX CONTACT 2.70mm CRIMP M80-317 318 = COAX CONTACT 2.00mm HORZ' CRIMP M80-318 319 = COAX CONTACT 2.70mm HORZ' CRIMP M80-319 POWER CONTACT WIRE, STRIP BY 5.00mm MINIUMUM. CHECKED: M.G.PLESTED DIMENSION CALCULATION RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 338/339 = Z80-294 DRAWN: R ADDE AND POSITIONER Z80-295. CUSTOMER REF.: 4 x No. OF CONTACTS -4.00 DIM 'A' RECOMMENDED HAND CRIMP TOOL FOR INNER CONTACT = Z80-292 335 = POWER CONTACT 12AWG SOLDER M80-335 DIM 'B' 4 x No. OF CONTACTS + 5.00 = POWER CONTACT 14AWG SOLDER M80-336 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET 337 = POWER CONTACT 16AWG SOLDER M80-337 FOR SLEEVE = Z80-293. DIM 'C' 4 x No. OF CONTACTS + 10.00 ASSEMBLY DRG: 338 = POWER CONTACT 18AWG SOLDER/CRIMP M80-338 9. INSTRUCTION SHEETS ARE AVAILABLE. 339 = POWER CONTACT 20AWG SOLDER/CRIMP M80-339 EXAMPLE I: CONNNECTOR WITH 08 COAX CONTACTS, M80-500000M3-08-315-00-000 MATERIAL: THIS DRAWING AND ANY TOLERANCES 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 DEFMISSION JACKSCREW DATAMATE DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mmX. = ±1mm MIXED TECHNOLOGY VERTICAL X.X = ±0.25mm SEE ABOVE MALE ASSEMBLY EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS. X.XX = ±0.10mm HARWIN Europe (UK) M80-500000M3-10-335-00-000 $.XXX = \pm 0.01mm$ 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 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm ANGLES = ±5° M80-5000000M3-XX-XXX-00-000 mis@harwin.co.uk | mis@harwin.com.sg mis@harwin.com S/AREA: UNLESS STATED THEIR WRITTEN PERMISSION

Customer Information Sheet



EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS.

M80-5000000M3-I0-33I-00-000

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

DIM 'E' = 3.5 mm

HARWIN USA

mis@harwin.com

HARWIN Europe (UK)

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

mis@harwin.co.uk | mis@harwin.com.sg

X. = ±1mm

X.X = ±0.25mm

X.XX = ±0.10mm

 $X.XXX = \pm 0.01$ mm

ANGLES = ±5°

UNLESS STATED

THEIR WRITTEN PERMISSION

SEE ABOVE

SEE ABOVE

FINISH:

S/AREA:

MIXED TECHNOLOGY VERTICAL

MALE ASSEMBLY

M80-5000000M3-XX-XXX-00-000

DRAWING NUMBER: