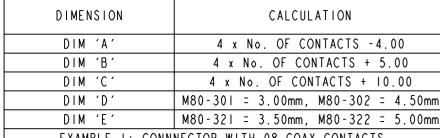
Customer Information Sheet DRAWING No.: M80-4000000F3-XX-XXX-00-000 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm SPECIFICATIONS: M80-308/309 M80-305/306/307 MATERIAL: x No. OF CONTACTS x No. OF CONTACTS MOULDING: GLASS FILLED PPS, UL94V-0, BLACK POWER & COAX CONTACT: BODY = COPPER ALLOY INNER CONTACT, LATCHING COLLAR = BERYLLIUM COPPER 7.55 INSULATOR = PTFE MAX 7.55 BOARD MOUNT JACKSCREW, NUTS: STAINLESS STEEL MAX FINISH: (DIM ′D′ POWER & COAX CONTACT BODY, SLEEVE, INNER CONTACT = GOLD LATCHING COLLAR: = NICKEL ELECTRICAL: ⊢(D|M 'F')-> −2 x Ø1.40 WORKING VOLTAGE = 120V AC/DC VOLTAGE PROOF = 360V AC/DC INSULATION RESISTANCE = $100M\Omega$ MIN ALL COAX CONTACTS ONLY | ALL 90°COAX CONTACTS ONLY POWER CONTACT: 6.00 M80-325/326/327 M80-328/329 CONTACT RESISTANCE = $6m\Omega$ MAX x No. OF CONTACTS x No. OF CONTACTS CURRENT RATING = M80-325 20A MAX 12AWG M80-326 I5A MAX I4AWG M80-327 IOA MAX I6AWG M80-328 8A MAX 18AWG M80-329 5A MAX 20AWG M80-32A 20A MAX 12AWG 3.00 RECOMMENDED PANEL/PCB CUTOUT M80-32B I5A MAX I4AWG (DIM — DIM 'B'-M80-32C IOA MAX 16AWG CONTACT AS SPECIFIED 2 x M2x0.4-6 — 2 x 2.00 Ø4.00 TYP COAX CONTACT: POWER FREQUENCY RANGE = 6GHz 2 x Ø 2.20 MIN SPOLDER/CRIMP IMPEDANCE = 50 Ω $V.S.W.R = 1.05 + (0.04 \times FREQUENCY) GHz MAX$ -POWFR CONTACT RESISTANCE 6 m Ω MAX STRAIGHT SOLDER ALL POWER CONTACTS ONLY ALL POWER CONTACTS ONLY INSULATION RESISTANCE = $10^6 \text{M}\Omega$ @250V AC - COAX FEMALE STRAIGHT CRIMP M80-32A/32B/32C OPERATING VOLTAGE = 180V AC @ 500mA 90° POWER SOLDER-90° COAX 1.00 → x No. OF CONTACTS MAXIMUM VOLTAGE = 1000V AC CRIMP MECHANICAL: DURABILITY = 500 OPERATIONS POWER & COAX CONTACT: INSERTION FORCE = 5N MAX MAX WITHDRAWAL FORCE = 0.5N MIN COAX STRIPPING DIMENSIONS INNER CONTACT SLEEVE **ENVIRONMENTAL:** TEMPERATURE RANGE = -55°C TO +125°C PACKING: BODY ASSEMBLY BAG FOR COMPLETE SPECIFICATION SEE COMPONENT ORDER CODE: (CRIMP/SOLDER) DIM 'G' SPECIFICATION COO5XX (LATEST ISSUE) ALL 90° POWER CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE. M80-400000F3-XX-XXX-00-000 COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR CALCULATION CONTACTS ONLY DIMENSION AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INNER TOTAL No. OF CONTACTS _ CONTACT ARE SEPARATE. 4 x No. OF CONTACTS -4.00 DIM 'A 3. FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-305/306/307/308/309 FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325/326/327/328/329/32A/32B/32C. 02.08.10 10892 DIM 'B 4 x No. OF CONTACTS +5.00 SPECIAL CONTACTS 305 = COAX CONTACT CRIMP 2.0mm M80-305 4. RECOMMENDED HAND CRIMP TOOL FOR COAX INNER CONTACT = Z80-292 WITH DATE DIM 'C 4 x No. OF CONTACTS +10.00 306 = COAX CONTACT CRIMP 2.4mm M80-306 POSITIONER Z80-291 AND RECOMMENDED HAND CRIMP TOOL AND DIE SET 307 = COAX CONTACT CRIMP 2.7mm M80-307 308 = 90° COAX CONTACT CRIMP 2.0mm M80-308 309 = 90° COAX CONTACT CRIMP 2.7mm M80-309 APPROVED: S. MCCULLAGH DIM 'D M80 - 305 / 306 / 307 = 13.4 mmFOR COAX SLEEVE = Z80-293. RECOMMENDED CRIMP TOOL FOR M80-328/329 = Z80-294 AND POSITIONER Z80-295. POWER AND COAX CONTACT EXTRACTION TOOL = Z80-290 R. ADDE CHECKED: DIM 'F M80-325/326/327 = 12.7mm325 = POWER CONTACT SOLDER 12AWG M80-325 DIM 'F' R. ADDE M80 - 308 / 309 = 9.7 mm326 = POWER CONTACT SOLDER 14AWG M80-326 POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM 327 = POWER CONTACT SOLDER 16AWG M80-327 CUSTOMER REF.: DIM 'G M80-32A/32B/32C = 10.3mmINSTRUCTION SHEETS ARE AVAILABLE. 328 = POWER CONTACT SOLDER/CRIMP 18AWG M80-328 FOR EXAMPLE OF ALL COAX SPECIAL CONTACTS ORDER CODE 329 = POWER CONTACT SOLDER/CRIMP 20AWG M80-329 DIM 'H M80 - 328/329 = 13.9 mmSEE EXAMPLE I IN TABLE POWER CONTACT SOLDER 12AWG M80-32A ASSEMBLY DRG: FOR EXAMPLE OF ALL POWER SPECIAL CONTACTS ORDER CODE EXAMPLE I: CONNNECTOR WITH 08 COAX CONTACTS, POWER CONTACT SOLDER 14AWG M80-32B 32C = 90° POWER CONTACT SOLDER 16AWG M80-32C SEE EXAMPLE 2 IN TABLE. M80-400000F3-08-305-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm DIM 'D' = 13.4mm 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, MATERIAL: JACKSCREW DATAMATE X. = ±1mm MIXED TECHNOLOGY SEE ABOVE $X.X = \pm 0.25 mr$ EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS, FEMALE ASSEMBLY $X.XX = \pm 0.10$ mm HARWIN Europe (UK) HARWIN Asia HARWIN USA M80-400000F3-10-325-00-000 .XXX = ±0.01mm DRAWING NUMBER: FINISH: SEE ABOVE DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION. ANGLES = ±5° M80-4000000F3-XX-XXX-00-000 0F DIM 'E' = 12.7mm mis@harwin.co.uk mis@harwin.com.sq S/AREA UNLESS STATED

Customer Information Sheet NOT TO SCALE DRAWING No.: M80-4000000F3-XX-XXX-00-000 SHFFT 4 OF 4 THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm SPECIFICATIONS: RECOMMENDED PCB LAYOUT FOR ALL COAX CONTACTS ONLY RECOMMENDED PCB LAYOUT FOR ALL POWER CONTACTS ONLY MATERIAL: -DIM 'B'-MOULDING: GLASS FILLED PPS, UL94V-0, BLACK -DIM 'A' POWER & COAX CONTACT: BODY = COPPER ALLOY INNER CONTACT = BERYLLIUM COPPER 4.00 TYP INSULATOR = PTFE BOARD MOUNT JACKSCREW, NUTS: STAINLESS STEEL FINISH: POWER & COAX CONTACT BODY, SLEEVE, INNER CONTACT = GOLD 2 x Ø 2.20 MIN **ELECTRICAL:** 2.00 Ø0.60 MIN 1.00 WORKING VOLTAGE = 120V AC/DC 2 x Ø2,20 MIN VOLTAGE PROOF = 360V AC/DC INSULATION RESISTANCE = $100M\Omega$ MIN M80-321/322 M80 - 301/302-DIM 'B POWER CONTACT: x No. OF CONTACTS x No. OF CONTACTS CONTACT RESISTANCE = $6m\Omega$ MAX CURRENT RATING = 20A MAX 4.00 TYP COAX CONTACT: FREQUENCY RANGE = 6GHz IMPEDANCE = 50 Ω 5.20 5.20 $V.S.W.R = 1.05 + (0.04 \times FREQUENCY)$ GHz MAX MAX MAXCONTACT RESISTANCE 6 m Ω MAX 5.55 MAXINSULATION RESISTANCE = $10^{6} \text{M}\Omega$ @250V AC OPERATING VOLTAGE = 180V AC @ 500mA MAXIMUM VOLTAGE = 1000V AC DIM MECHANICAL: DURABILITY = 500 OPERATIONS DIM''E' POWER & COAX CONTACT: -2 x Ø1.40 INSERTION FORCE = 5N MAX WITHDRAWAL FORCE = 0.5N MIN **ENVIRONMENTAL:** TEMPERATURE RANGE = -55°C TO +125°C PACKING: 6.00 ALL COAX CONTACTS ONLY ALL POWER CONTACTS ONLY TUBE FOR COMPLETE SPECIFICATION SEE COMPONENT CROSS-SECTION SPECIFICATION COO5XX (LATEST ISSUE) OF COAX CONTACT -BODY 2.00 -SPECIAL CONTACTS HIDDEN FOR ILLUSTRATION ONLY 5.00 3.00 SEE ORDER CODE FOR PART No. TO BE ASSEMBLED Ø4.00 TYP 2 x M2x0.4-6 INNER CONTACT INSULATO 2.00

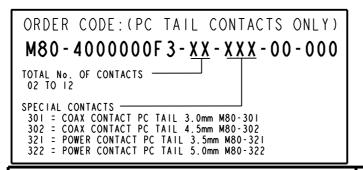


EXAMPLE I: CONNNECTOR WITH 08 COAX CONTACTS, M80-400000F3-08-30I-00-000

DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm DIM'D' = 3.00mm

EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS. M80-400000F3-10-321-00-000

DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm DIM 'E' = 3.50 mm



I. FOR EXAMPLE OF ALL COAX SPECIAL CONTACTS ORDER CODE

SEE EXAMPLE I IN TABLE

2. FOR EXAMPLE OF ALL POWER SPECIAL CONTACTS ORDER CODE SEE EXAMPLE 2 IN TABLE.

02.08.10 DATE C/NOT ISS APPROVED: S. MCCULLAGH R. ADDE CHECKED: R. ADDE CUSTOMER REF.: ASSEMBLY DRG:

HARWIN	

HARWIN Europe (UK) HARWIN USA

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OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

X. = ±1mm $X.X = \pm 0.25 mn$ $X.XX = \pm 0.10$ mm X.XXX = ±0.01mm FINISH:

SEE ABOVE SEE ABOVE JACKSCREW DATAMATE MIXED TECHNOLOGY FEMALE ASSEMBLY

DRAWING NUMBER:

M80-400000F3-XX-XXX-00-000

ANGLES = ±5° UNLESS STATED

S/AREA: