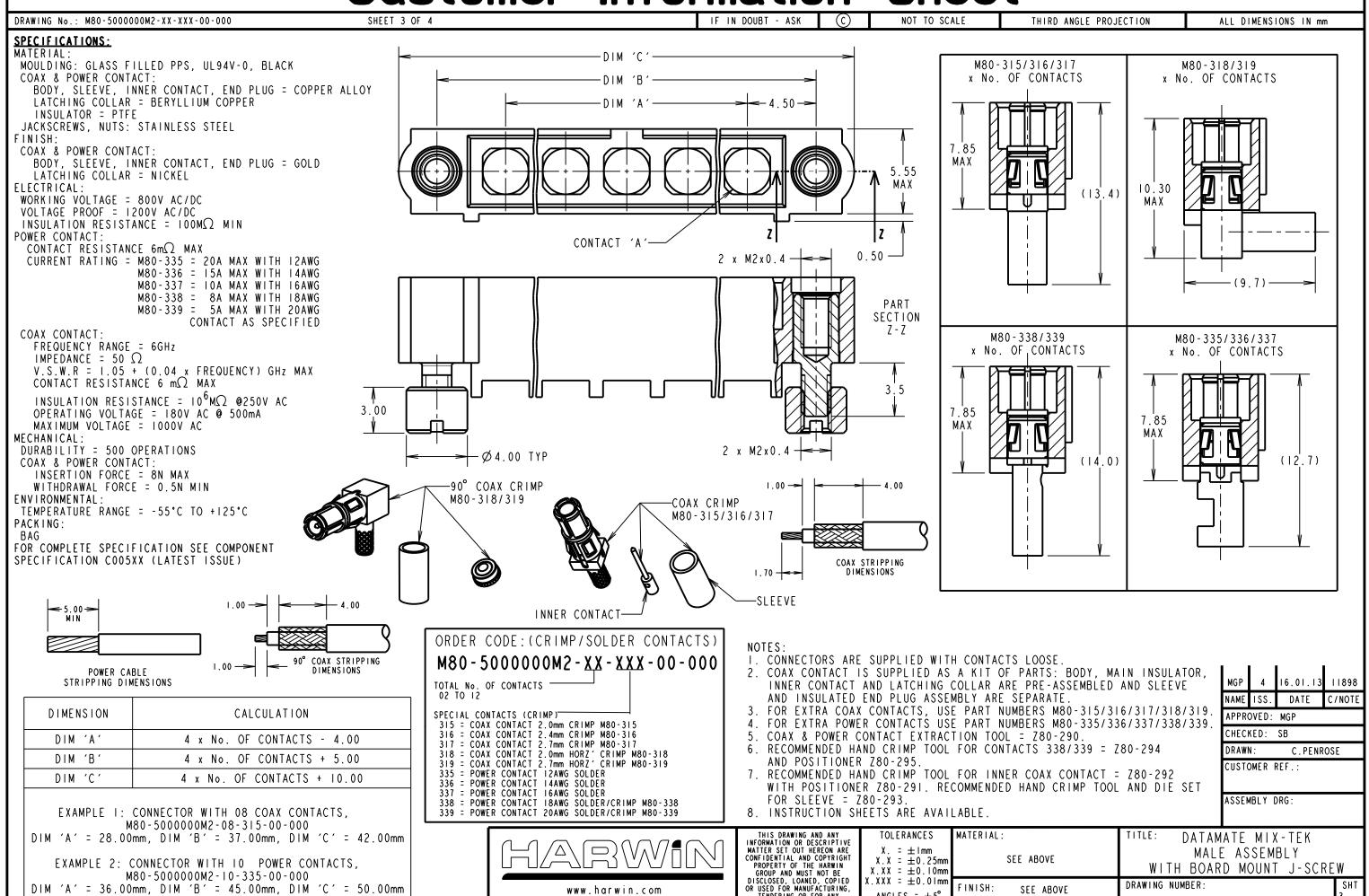
Customer Information Sheet



technical@harwin.com

TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

S/AREA:

UNI ESS STATED

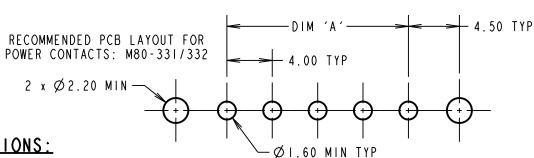
mm²

M80-5000000M2-XX-XXX-00-000 OF,

Customer Information

DRAWING No.: M80-5000000M2-XX-XXX-00-000 SHEET 4 OF 4 IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

2 x Ø2.20 MIN



RECOMMENDED PCB LAYOUTS FOR COAX CONTACTS: M80-311/312 -4.50 TYP 1.00 TYP -> 4.00 TYP $+ \bullet +$ $+ \bullet +$

2.00

Ø 0.60 MIN TYP

<u>SPECIFICATIONS:</u>

MATERIAL:

MOULDING: GLASS FILLED PPS, UL94V-O, BLACK COAX & POWER CONTACT:

BODY, INNER CONTACT, = COPPER ALLOY

INSULATOR = PTFE

JACKSCREW: STAINLESS STEEL

COAX & POWER CONTACT:

FINISH:

BODY, INNER CONTACT, = GOLD

ELECTRICAL: WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC INSULATION RESISTANCE = 100M Ω MIN

POWER CONTACT:

CONTACT RESISTANCE $6m\Omega$ MAX

CURRENT RATING = 20A MAX

COAX CONTACT:

FREQUENCY RANGE = 6GHz

IMPEDANCE = 50 Ω V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX

CONTACT RESISTANCE 6 m Ω MAX

INSULATION RESISTANCE = $10^{6} \text{M}\Omega$ @250V AC OPERATING VOLTAGE = 180V AC @ 500mA

MAXIMUM VOLTAGE = 1000V AC

MECHANICAL:

DURABILITY = 500 OPERATIONS

COAX & POWER CONTACT:

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

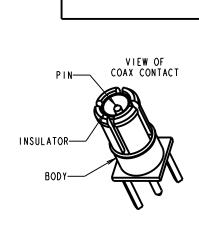
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C PACKING:

TUBE

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

| | 1 | , |
|---|---|---|
| | DIM 'C' | |
| | DIM 'B' | |
| | | |
| | DIM 'A' | |
| | | |
| | | |
| | 5.55 | |
| | | |
| | | |
| | | |
| | 4.00 TYP - X X | |
| | | |
| Χ | CONTACT 'A' $2 \times M2 \times 0.4$ | |
| | | |
| | | |
| | | |
| | 5.60 MAX | |
| | PART SECTION | |
| | | |
| | | |
| | | |
| | SEE ORDER CODE FOR PART No. TO BE ASSEMBLED (3,5) | |
| | | |
| | | |
| | | |
| | 2 x M2x0.4 | |
| | | |



M80-311/312 x No. OF CONTACTS

M80-331/332

x No. OF CONTACTS

5.60 MAX

DIM' 'D'

5.60

MAX

DIM 'E'

16.01.13 11898 NAME ISS. DATE C/NOTE

APPROVED: MGP CHECKED: SB DRAWN:

C.PENROSE

CUSTOMER REF.:

ASSEMBLY DRG:

| DIMENSION | CALCULATION |
|-----------|-----------------------------------|
| DIM 'A' | 4 x No. OF CONTACTS - 4.00 |
| DIM 'B' | 4 x No. OF CONTACTS + 5.00 |
| DIM 'C' | 4 x No. OF CONTACTS + 10.00 |
| DIM 'D' | M80-311 = 3.0mm, M80-312 = 4.5mm |
| DIM 'F' | M80-331 = 3.5 mm M80-332 = 5.0 mm |

EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS, M80-5000000M2-08-311-00-000

DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm DIM 'D' = 3.0mm

EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS,

M80-5000000M2-10-332-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm

DIM 'E' = 5.0mm

ORDER CODE: (PC TAIL CONTACTS ONLY) M80-5000000M2-XX-XXX-00-000

TOTAL No. OF CONTACTS -02 TO 12

SPECIAL CONTACTS (PC TAIL)-311= COAX CONTACT 3.0mm PC TAIL M80-311 312 = COAX CONTACT 4.5mm PC TAIL M80-312 331 = POWER CONTACT 3.5mm VERT' PC TAIL M80-331 332 = POWER CONTACT 5.0mm VERT' PC TAIL M80-332

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TENDERLING, GOO ANY TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES X. = ±1mm $X.X = \pm 0.25 mr$ X.XX = ±0.10mm .XXX = ±0.01mm

INSULATOR

MATERIAL: SEE ABOVE

COAX CONTACT

TITLE: DATAMATE MIX-TEK MALE ASSEMBLY WITH BOARD MOUNT J-SCREW

DRAWING NUMBER:

www.harwin.com technical@harwin.com

FINISH: S/AREA: UNI ESS STATED

SEE ABOVE

M80-5000000M2-XX-XXX-00-000 0F