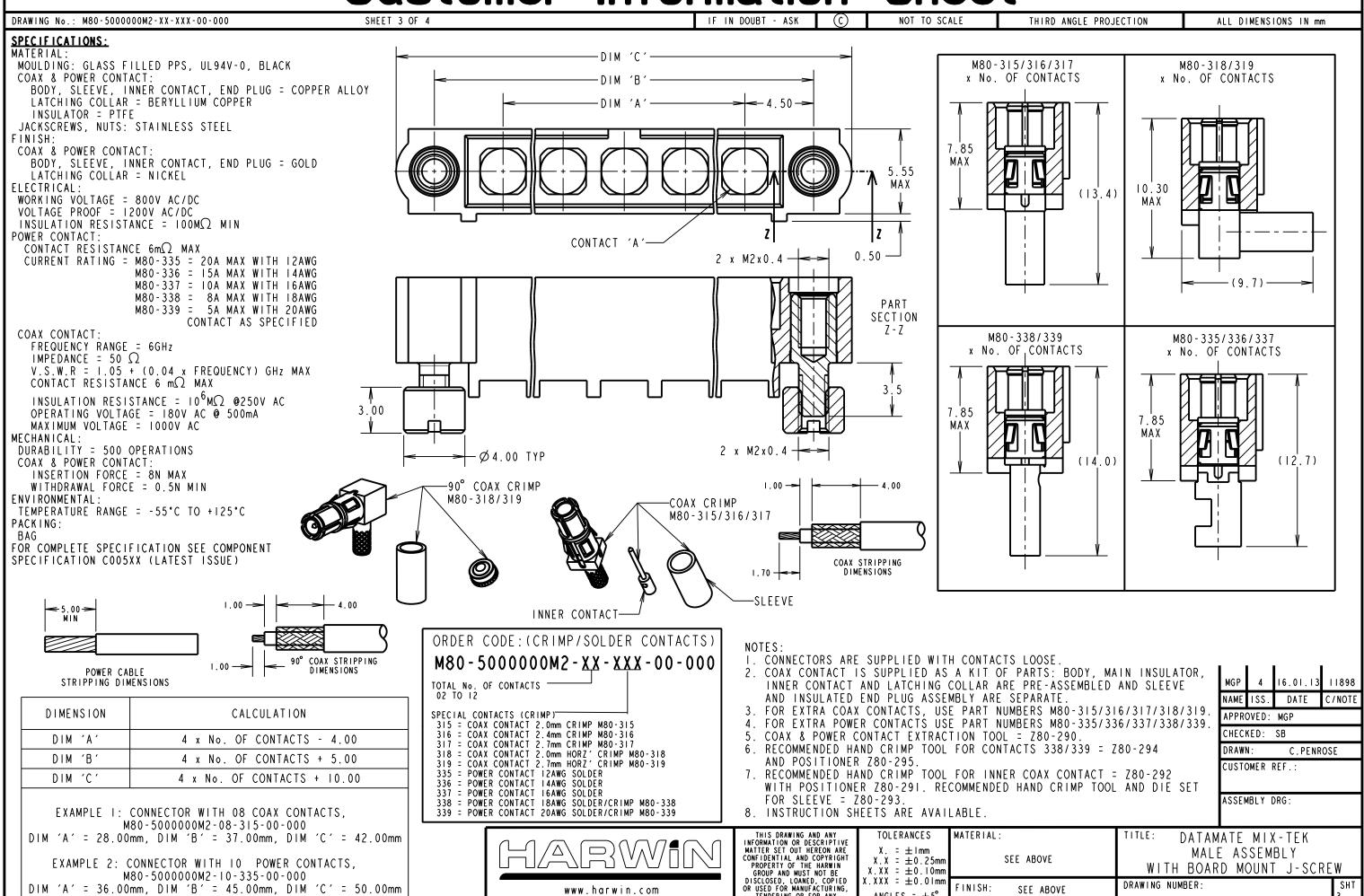
## Customer Information Sheet SHEET 3 OF 4 IF IN DOUBT - ASK © NOT TO SCALE



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TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

S/AREA:

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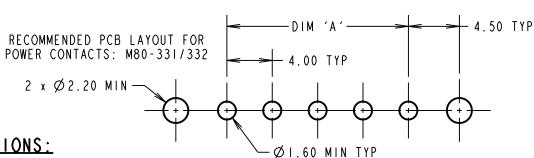
mm<sup>2</sup>

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  $+ \oplus +$ ÷Ф-

5.55

MAX

0.50

5.60

MAX

(3.5)

2.00

Ø 0.60 MIN TYP

## SPECIFICATIONS:

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 =  $100M\Omega$  MIN

POWER CONTACT:

CONTACT RESISTANCE  $6m\Omega$  MAX

CURRENT RATING = 20A MAX

COAX CONTACT:

FREQUENCY RANGE = 6GHz IMPEDANCE = 50  $\Omega$ 

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

CONTACT RESISTANCE 6 m $\Omega$  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

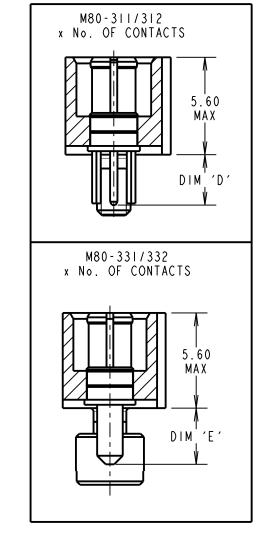
ENVIRONMENTAL:

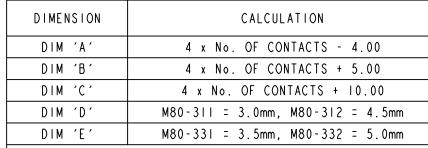
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

4.00 TYP CONTACT 'A  $2 \times M2 \times 0.4$ SPECIAL CONTACTS HIDDEN FOR ILLUSTRATION ONLY-SEE ORDER CODE FOR PART No. TO BE ASSEMBLED





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

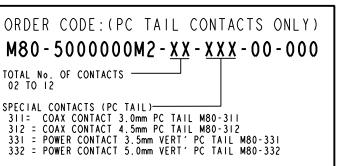
DIM 'D' = 3.0mm

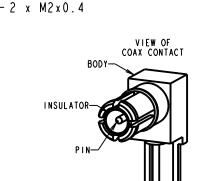
EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS,

M80-5000000M2-10-332-00-000

DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm DIM 'E' = 5.0mm

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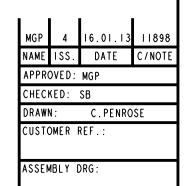




S/AREA:

PART SECTION

X - X



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

UNI ESS STATED

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

INSULATOR

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

DRAWING NUMBER:

COAX CONTACT

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