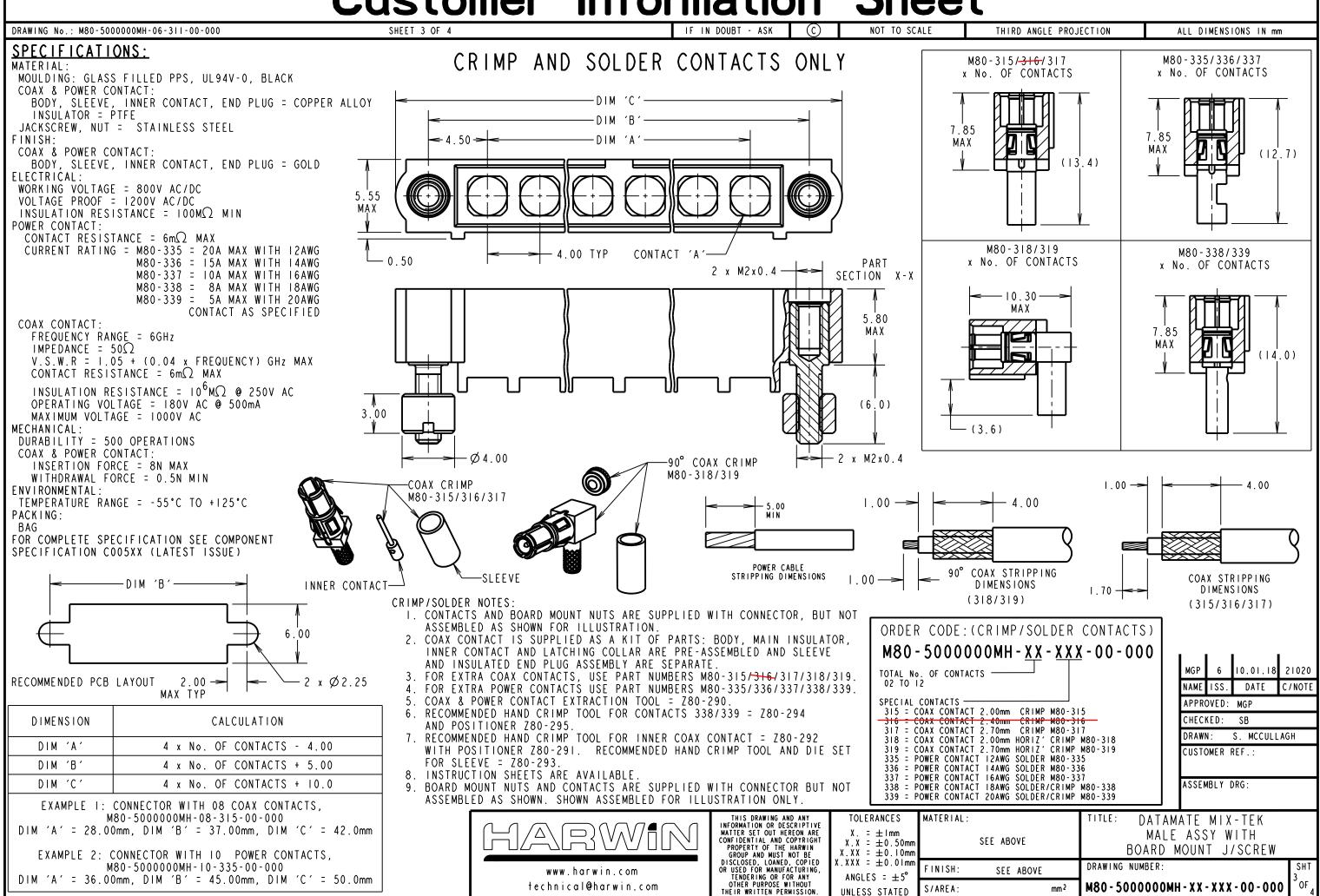
Customer Information Sheet



Customer Information Sheet

DRAWING No.: M80-5000000MH-06-311-00-000 IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL: MOULDING: GLASS FILLED PPS, UL94V-O, BLACK POWER CONTACT: COPPER ALLOY

COAX CONTACT:

BODY = COPPER ALLOY

INNER CONTACT = COPPER ALLOY

INSULATOR = PTFE

JACKSCREW, NUT = STAINLESS STEEL

FINISH:

POWER CONTACT: GOLD

COAX CONTACT: 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 = 50Ω

 $V.S.W.R = 1.05 + (0.04 \times FREQUENCY) GHz MAX$ CONTACT RESISTANCE $6m\Omega$ MAX

INSULATION RESISTANCE = $10^6 \text{M}\Omega$ @ 250V AC

OPERATING VOLTAGE = 180V AC @ 500mA

MAXIMUM VOLTAGE = 1000V AC

MECHANICAL:

DURABILITY = 500 OPERATIONS

POWER CONTACT:

INSERTION FORCE = 8N MAX

WITHDRAWAL FORCE = 0.5N MIN

COAX CONTACT

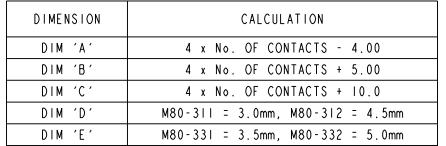
INSERTION FORCE = 8N MAX WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

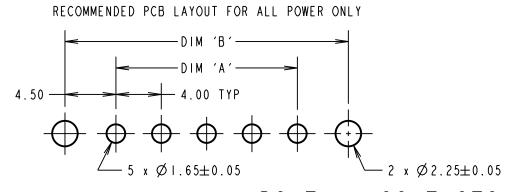


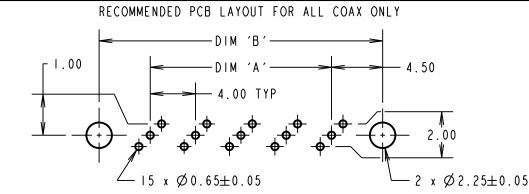
EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS. M80-5000000MH-08-311-00-000

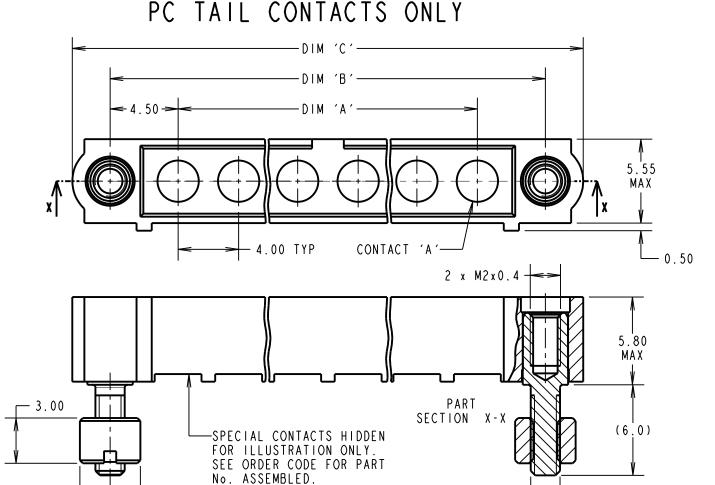
DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.0mm DIM 'D' = 3.0mm

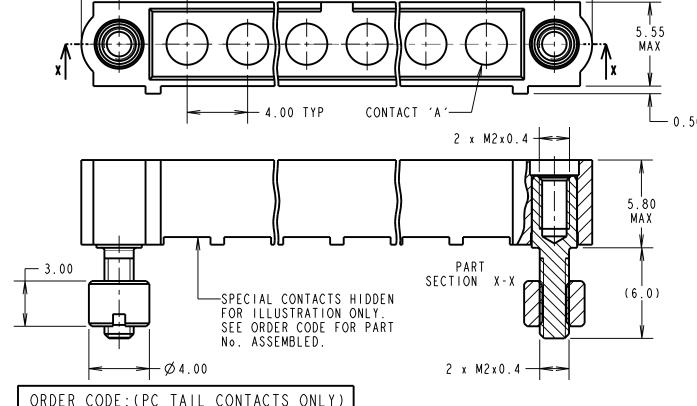
EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS, M80-5000000MH-10-331-00-000

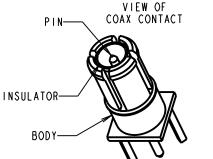
DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.0mm











10.01.18 21020 DATE C/NOTE APPROVED: MGP CHECKED:

DRAWN: S. MCCULLAGH CUSTOMER REF.:

M80-311/M80-312

x No. OF CONTACTS

M80-331/M80-332

x No. OF CONTACTS

5.60

MAX

'D

DIM

5 60

MAX

Έ΄

DIM

ASSEMBLY DRG:

www.harwin.com

technical@harwin.com

M80-500000MH-XX-XXX-00-000

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

TOTAL No. OF CONTACTS -

SPECIAL CONTACTS -

02 TO 12

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INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
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PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT

X. = ±1mm $X.X = \pm 0.50 mm$ X.XX = ±0.10mm .XXX = ±0.01mm ANGLES = ±5° OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION UNLESS STATED

I. BOARD MOUNT NUTS ARE SUPPLIED

ILLUSTRATION ONLY.

WITH CONNECTOR BUT NOT ASSEMBLED

AS SHOWN. SHOWN ASSEMBLED FOR

TOLERANCES MATERIAL: FINISH: SEE ABOVE

S/AREA:

TITLE: SEE ABOVE

DATAMATE MIX-TEK MALE ASSY WITH BOARD MOUNT J/SCREW

DRAWING NUMBER:

M80-5000000MH-XX-XXX-00-0001 OF.