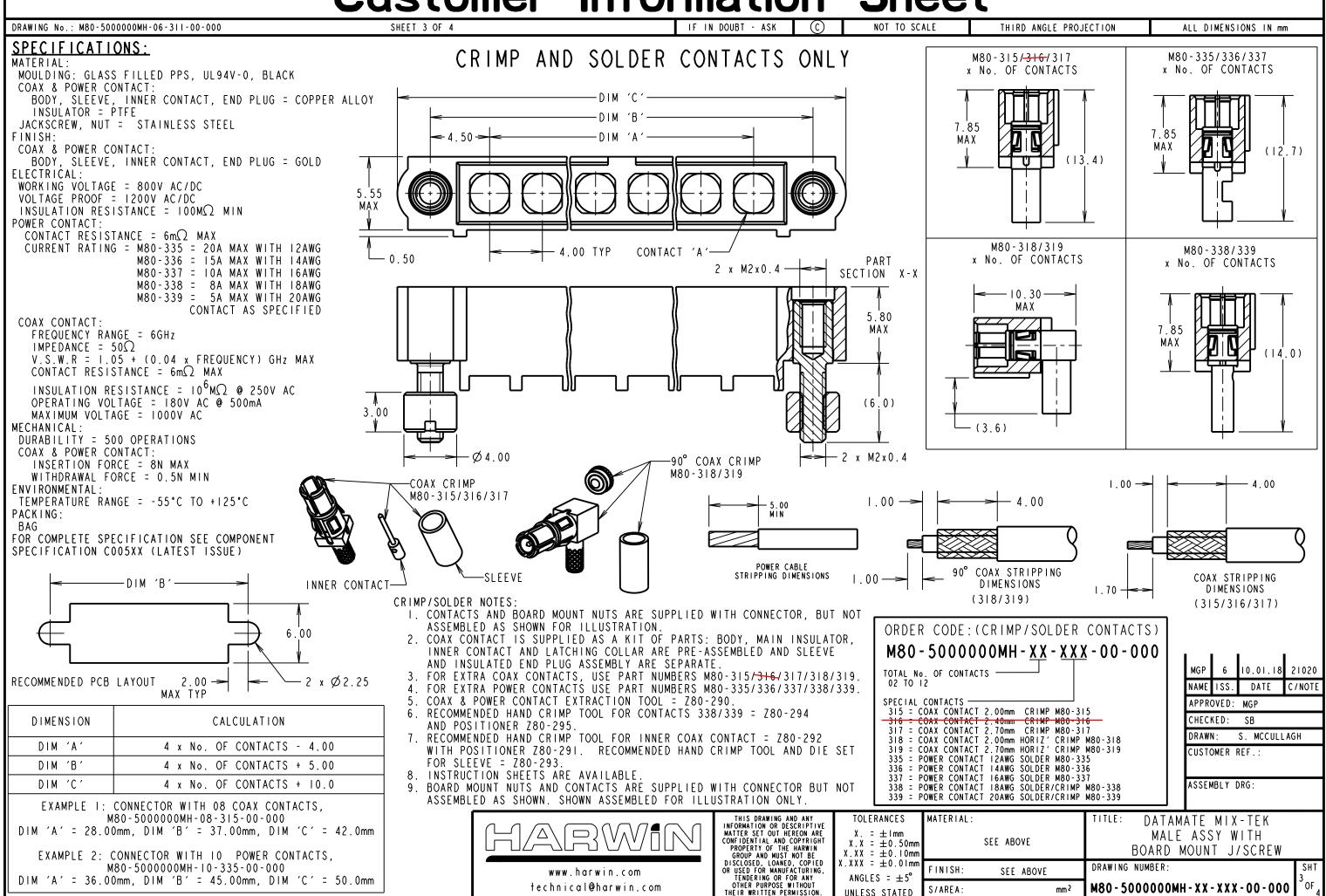
## Customer Information Sheet



S/AREA:

UNLESS STATED

## 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 =  $50\Omega$ 

 $V.S.W.R = 1.05 + (0.04 \times FREQUENCY) GHz MAX$ 

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)

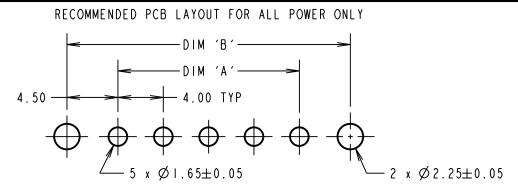
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.0
DIM 'D'	M80-311 = 3.0mm, M80-312 = 4.5mm
DIM 'E'	M80-331 = 3.5mm, M80-332 = 5.0mm

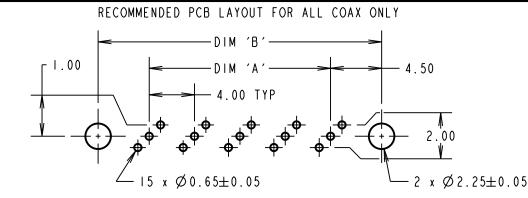
EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS. M80-500000MH-08-311-00-000

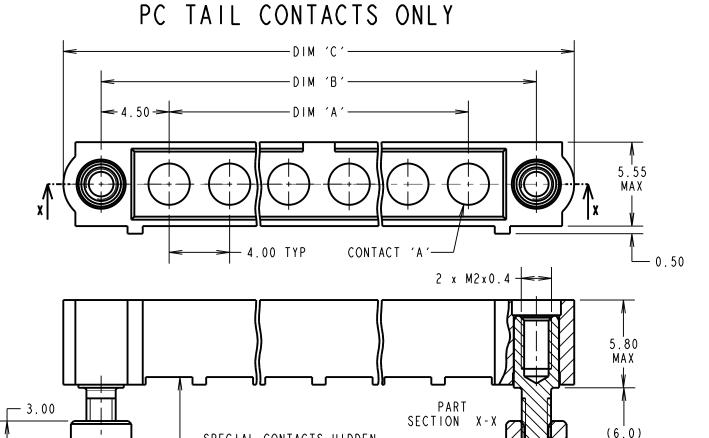
DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.0mm DIM 'D' = 3.0mm

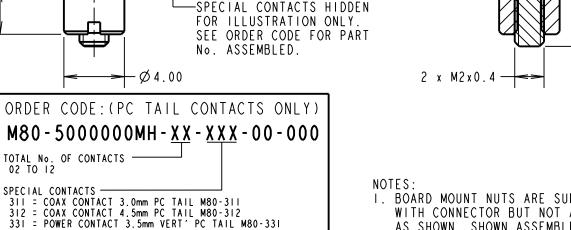
EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS, M80-500000MH-10-331-00-000

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

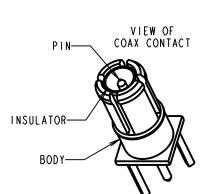








I. BOARD MOUNT NUTS ARE SUPPLIED WITH CONNECTOR BUT NOT ASSEMBLED AS SHOWN. SHOWN ASSEMBLED FOR ILLUSTRATION ONLY.



1 1	1 1	ı	ı			
MGP	6	10.01.18		21020		
NAME	188.	DATE		C/NOTE		
APPROVED: MGP						
CHEC	KED:	SB				
DRAWI	١:	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



technical@harwin.com

332 = POWER CONTACT 5.0mm VERT' PC TAIL M80-332

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MATTER SET OUT HEREON ARE
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GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
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TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION

X. = ±1mm  $X.X = \pm 0.50 mm$  $X.XX = \pm 0.10$ mm .XXX = ±0.01mm ANGLES = ±5° UNLESS STATED

TOLERANCES MATERIAL: SEE ABOVE FINISH: SEE ABOVE

S/AREA:

TITLE:

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

ASSEMBLY DRG:

DRAWING NUMBER:

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