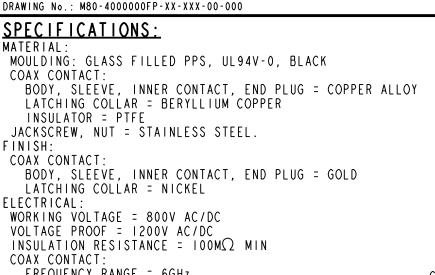
Customer Information Sheet

DRAWING No.: M80-4000000FP-XX-XXX-00-000 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm COAX CRIMP CONTACTS ONLY



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

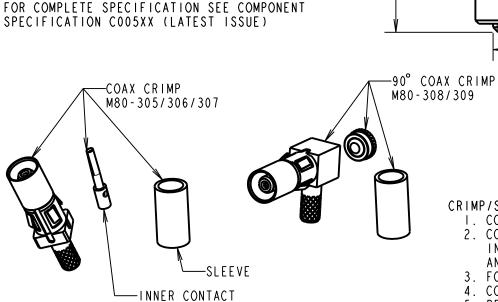
MECHANICAL: DURABILITY = 500 OPERATIONS COAX CONTACT:

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

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

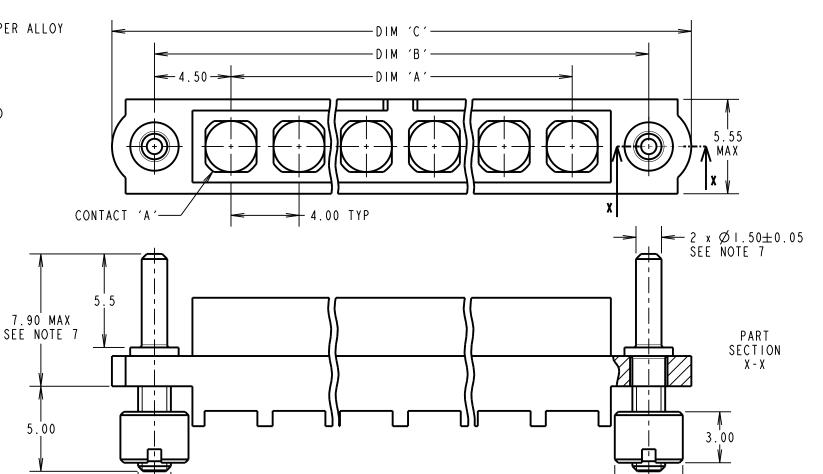
BAG

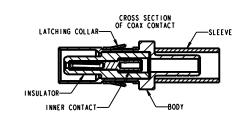
SPECIFICATION COO5XX (LATEST ISSUE)

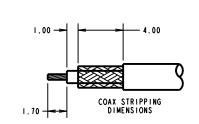


DIMENSION	CALCULATION		
DIM 'A'	4 x No. OF CONTACTS - 4.00		
DIM 'B'	4 x No. OF CONTACTS + 5.00		
DIM 'C'	4 x No. OF CONTACTS + 10.0		

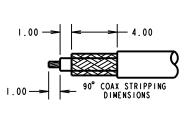
EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS, M80-400000FP-08-305-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.0mm







Ø4.00 TYP



RECOMMENDED PCB LAYOUT -DIM 'B'-= 2 x 2.00 6.00 −2 x Ø2.25 MIN

M80-305/306/307

x No. OF CONTACTS

M80-308/309

x No. OF CONTACTS

-10.30 MAX-

(13.4)

7.55

MAX

(9.7)

CRIMP/SOLDER NOTES: I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.

 $2 \times M2 \times 0.4$

2. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, MAIN INSULATOR, INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INSULATED END PLUG ASSEMBLY ARE SEPARATE.

3. FOR EXTRA COAX CONTACTS, USE PART NUMBERS M80-305/306/307/308/309.

4. COAX CONTACT EXTRACTION TOOL = Z80-290.

5. RECOMMENDED HAND CRIMP TOOL FOR INNER COAX CONTACT = Z80-292 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR SLEEVE = Z80-293.

6. INSTRUCTION SHEETS ARE AVAILABLE.

7. THIS ASSEMBLY CAN ONLY MATE WITH MP MALE FIXINGS.

8. GUIDE PINS AND NUTS ARE SUPPLIED BUT NOT ASSEMBLED AS SHOWN FOR ILLUSTRATION.

ORDER CODE: (COAX CRIMP CONTACTS ONLY)
M80-400000FP- <u>XX</u> - <u>XXX</u> -00-000
TOTAL No. OF CONTACTS ————————————————————————————————————
SPECIAL CONTACTS 305 = COAX CONTACT 2.00mm CRIMP M80-305
306 - COAX CONTACT 2.40mm CRIMP M80-306 307 - COAX CONTACT 2.70mm CRIMP M80-307
308 = COAX CONTACT 2.00mm HORIZ' CRIMP M80-308 309 = COAX CONTACT 2.70mm HORIZ' CRIMP M80-309

_			1 1	ı		
	MGP	4	16.01.18	21020		
	NAME	188.	DATE	C/NOTE		
	APPROVED: MGP					
	CHEC	CHECKED: SB				
	DRAWN:		C.PENROSE			
	CUSTOMER REF.:					
	ASSEN	MBLY (ORG:			

HARWIN
www.harwin.com

technical@harwin.com

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

UNLESS STATED

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

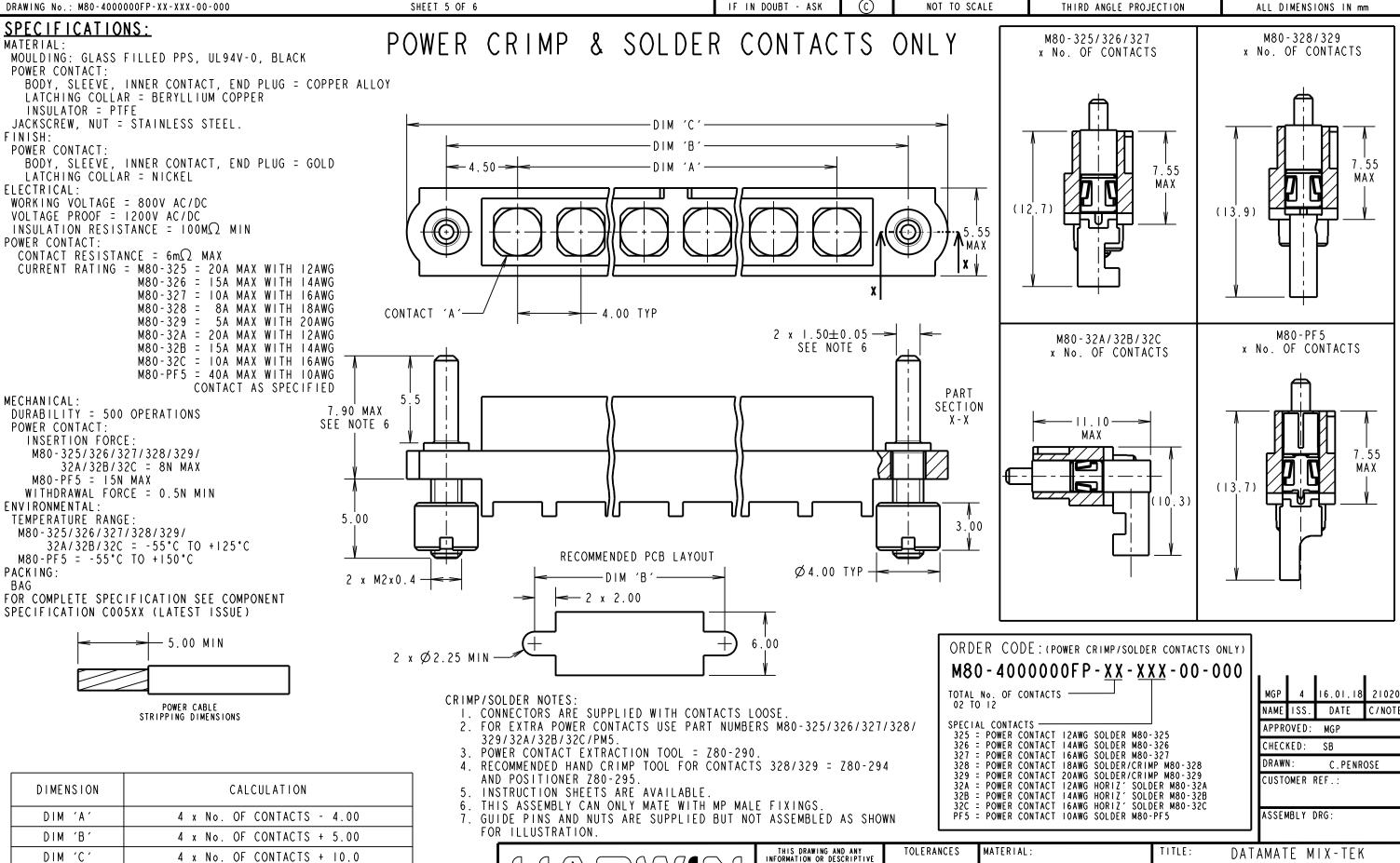
DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT GUIDE PINS

DRAWING NUMBER:

M80-4000000FP-XX-XXX-00-000 4 OF

Customer Information Sheet

DRAWING No.: M80-4000000FP-XX-XXX-00-000 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS, M80-5000000FP-I0-325-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.0mm www.harwin.com

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OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION

X. = ±1mm $X.X = \pm 0.50$ mm X.XX = ±0.10mm $.XXX = \pm 0.01mm$

SEE ABOVE FINISH:

FEMALE ASSEMBLY WITH BOARDMOUNT GUIDE PINS

DRAWING NUMBER:

technical@harwin.com

ANGLES = ±5° UNLESS STATED

SEE ABOVE

M80-4000000FP-XX-XXX-00-000 OF

