Customer Information

DRAWING No.: M80-4000000F3-XX-XXX-00-000 SHEET 4 OF 6 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL: MOULDING: GLASS FILLED PPS, UL94V-0, BLACK COAX CONTACT:

BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY LATCHING COLLAR = BERYLLIUM COPPER

INSULATOR = PTFE

BOARD MOUNT JACKSCREW, NUTS = STAINLESS STEEL

FINISH:

COAX CONTACT:

BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD

LATCHING COLLAR = NICKEL

ELECTRICAL:

WORKING VOLTAGE = 800V AC/DC VOLTAGE PROOF = 1200V AC/DC INSULATION RESISTANCE = $100M\Omega$ MIN

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

COAX CONTACT:

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

ENVIRONMENTAL:

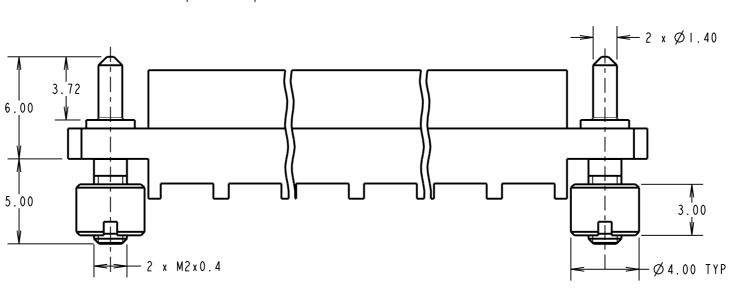
TEMPERATURE RANGE = -55°C TO +125°C

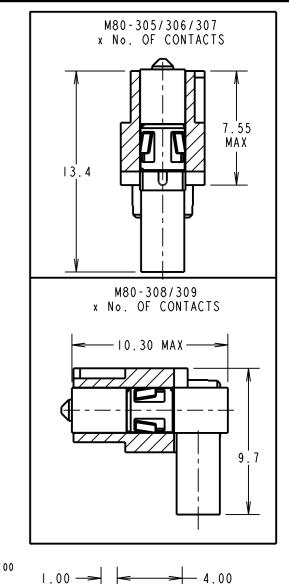
PACKING:

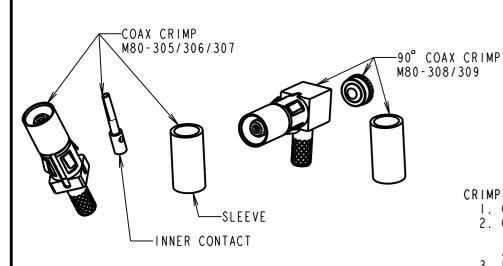
BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COOSXX (LATEST ISSUE)

COAX CRIMP CONTACTS -4.50 -> 5.55 MAX4.00 TYP -CONTACT 'A

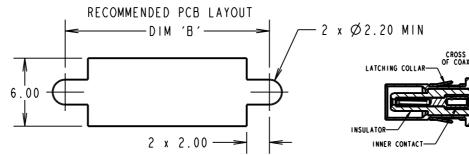


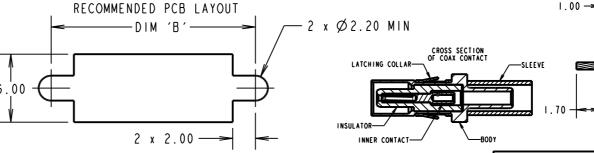




DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.00

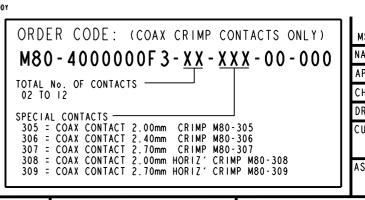
EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS, M80-400000F3-08-305-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm





CRIMP/SOLDER NOTES:

- I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- 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.
- 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.



mm 2

COAX STRIPPING

DIMENSIONS

1.00-

	MSP	3	31.03.15	12566	
	NAME	ISS.	DATE	C/NOTE	
APPROVED: M.PERREN					
	CHECKED: S.BENNETT				
	DRAWI	N:	C.PENR	OSE	
CUSTOMER REF.:					
	ASSEMBLY DRG:				

90° COAX STRIPPING

HARWIN			
www.harwin.com			

technical@harwin.com

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

UNLESS STATED

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

S/AREA:

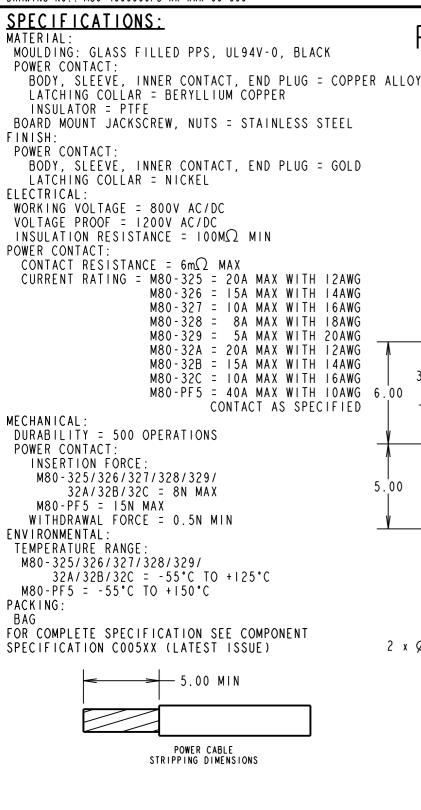
DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

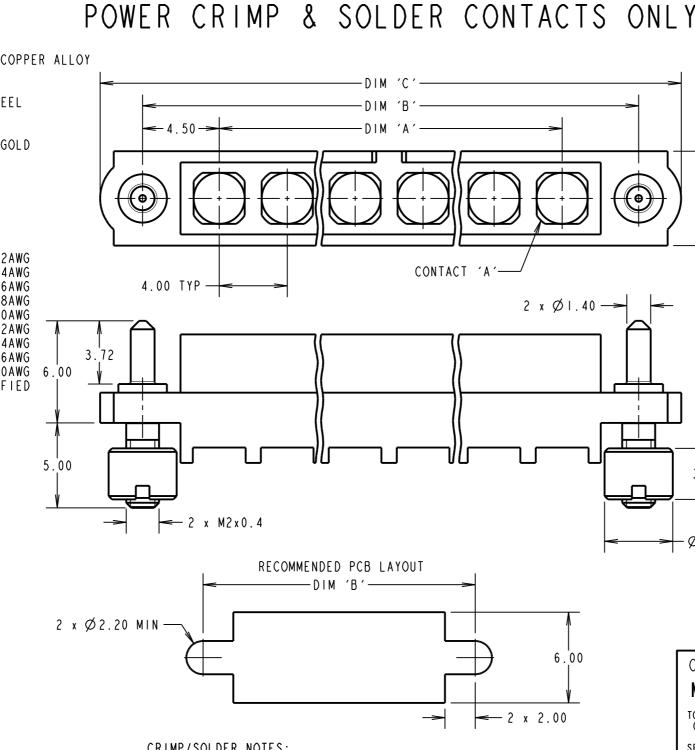
DRAWING NUMBER:

M80-400000F3-XX-XXX-00-000 TOF

Customer Information Sheet

DRAWING No.: M80-4000000F3-XX-XXX-00-000 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm





CRIMP/SOLDER NOTES:

- I. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE
- 2. FOR EXTRA POWER CONTACTS USE PART NUMBERS M80-325/326/327/328/ 329/32A/32B/32C/PM5
 - POWER CONTACT EXTRACTION TOOL = Z80-290
- RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 328/329 = Z80-294
- 5. INSTRUCTION SHEETS ARE AVAILABLE.

CALCULATION DIMENSION DIM 'A' 4 x No. OF CONTACTS - 4.00 DIM 'B 4 x No. OF CONTACTS + 5.00 4 x No. OF CONTACTS + 10.00 DIM 'C' EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS,

M80-400000F3-I0-325-00-000

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



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

UNLESS STATED

SEE ABOVE

325 = POWER CONTACT 12AWG SOLDER M80-325

326 = POWER CONTACT 14AWG SOLDER M80-326

327 = POWER CONTACT 16AWG SOLDER M80-327

PF5 = POWER CONTACT IOAWG SOLDER M80-PF5

328 = POWER CONTACT 18AWG SOLDER/CRIMP M80-328 329 = POWER CONTACT 20AWG SOLDER/CRIMP M80-329

32A = POWER CONTACT 12AWG HORIZ' SOLDER M80-32A

32B = POWER CONTACT 14AWG HORIZ' SOLDER M80-32B

32C = POWER CONTACT 16AWG HORIZ' SOLDER M80-32C

TITLE: DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

MSP

NAME ISS.

APPROVED:

CHECKED:

CUSTOMER REF.:

ASSEMBLY DRG:

DRAWN:

31.03.15 12566

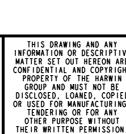
M. PERREN

S.BENNETT

C.PENROSE

C/NOTE

DATE



MATERIAL:

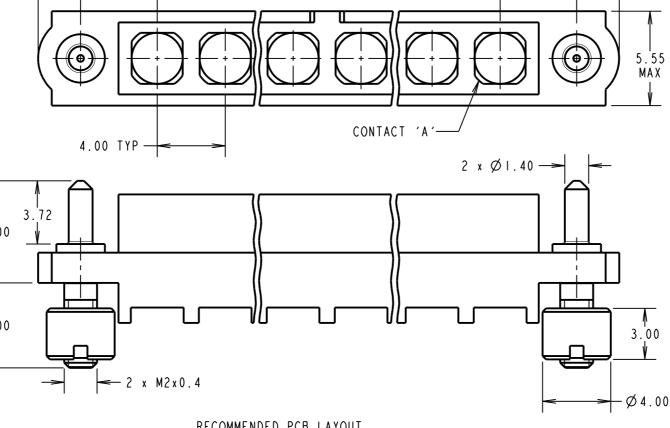
TOTAL No. OF CONTACTS

SPECIAL CONTACTS

02 TO 12

ORDER CODE: (POWER CRIMP/SOLDER CONTACTS ONLY) M80-400000F3-XX-XXX-00-000

DF A ·	mm 2	M80-4000000F3-XX-XXX-00-000
SH:	SEE ADOVE	DRAWING NUMBER:
		DOMNDHOOM 1 SHOROCKE IN



7.55 MAX 13.9 M80-32A/32B/32C

M80-325/326/327

x No. OF CONTACTS

x No. OF CONTACTS

11.20

MAX

12.7

M80-PF5 x No. OF CONTACTS

M80-328/329

x No. OF CONTACTS

7.55

MAX

7.55 MAX 13.7 10.3

