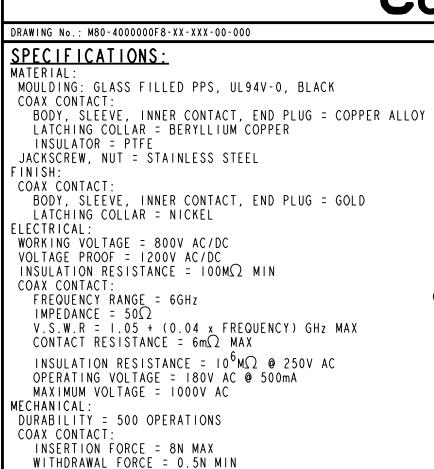
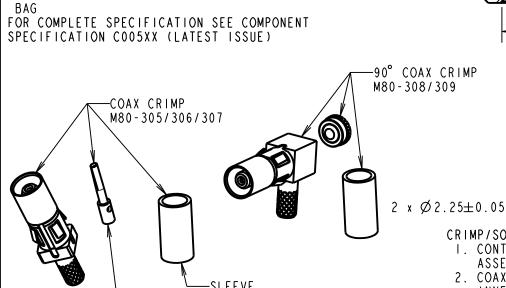
# Customer Information Sheet

DRAWING No.: M80-4000000F8-XX-XXX-00-000 NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm





ENVIRONMENTAL:

PACKING:

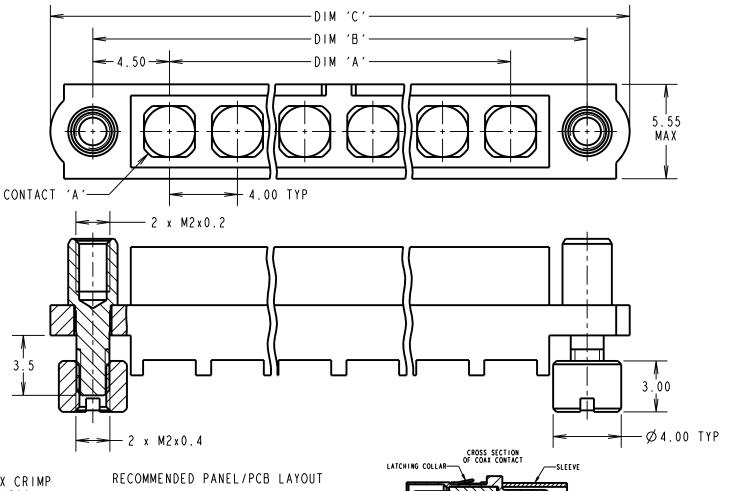
TEMPERATURE RANGE = -55°C TO +125°C

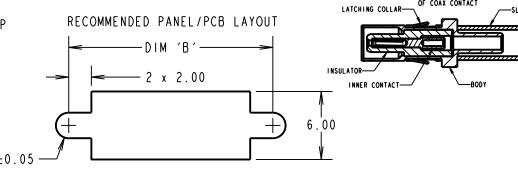
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.0

-INNER CONTACT

EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS, M80-400000F8-08-305-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.0mm

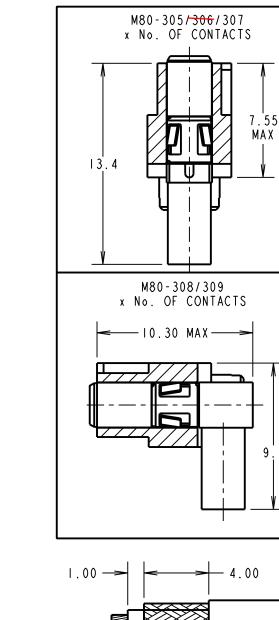


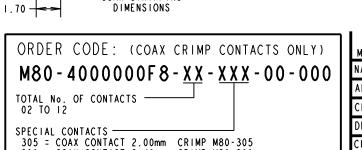




#### CRIMP/SOLDER NOTES:

- I. CONTACTS AND BOARD MOUNT NUTS ARE SUPPLIED WITH CONNECTOR, BUT NOT ASSEMBLED AS SHOWN FOR ILLUSTRATION
- 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. RECOMMENDED PANEL/PCN THICKNESS = 1.3 1.6mm.





1.00-

TOTAL No. OF CONTACTS SPECIAL CONTACTS 305 = COAX CONTACT 2.00mm CRIMP M80-305 

COAX STRIPPING

NAME ISS. DATE APPROVED: MGP CHECKED: DRAWN: C.PENROSE CUSTOMER REF.: ASSEMBLY DRG:

90° COAX STRIPPING

DIMENSIONS

MAX

9.7



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OTHER PURPOSE WITHOUT

OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION

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

UNLESS STATED

1.00 →

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

S/AREA:

DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

DRAWING NUMBER:

M80-4000000F8-XX-XXX-00-000 4 OF



# Customer Information Sheet

NOT TO SCALE DRAWING No.: M80-400000F8-XX-XXX-00-000 THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

### SPECIFICATIONS:

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

POWER CONTACT:

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

INSULATOR = PTFE

JACKSCREW, NUT = STAINLESS STEEL

FINISH:

POWER 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 POWER CONTACT:

CONTACT RESISTANCE =  $6m\Omega$  MAX

CURRENT RATING = M80-325 = 20A MAX WITH I2AWG M80-326 = 15A MAX WITH 14AWG M80-327 = IOA MAX WITH I6AWG M80-328 = 8A MAX WITH 18AWG M80-329 = 5A MAX WITH 20AWG

M80-32A = 20A MAX WITH 12AWG M80-32B = 15A MAX WITH 14AWG M80-32C = 10A MAX WITH 16AWG

M80-PF5 = 40A MAX WITH IOAWG CONTACT AS SPECIFIED

#### MECHANICAL:

DURABILITY = 500 OPERATIONS

POWER CONTACT: INSERTION FORCE:

M80-325/326/327/328/329/

32A/32B/32C = 8N MAX

M80-PF5 = I5N MAX

WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE:

M80-325/326/327/328/329/

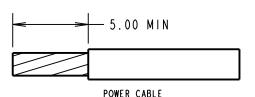
 $32A/32B/32C = -55^{\circ}C TO + 125^{\circ}C$ 

 $M80-PF5 = -55^{\circ}C TO + 150^{\circ}C$ 

PACKING:

BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

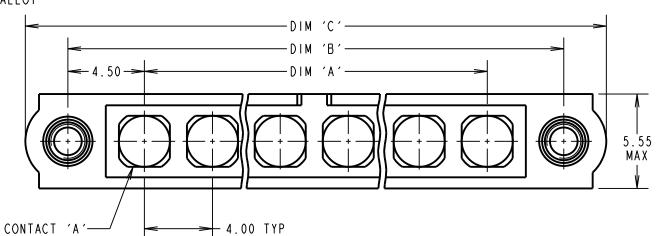


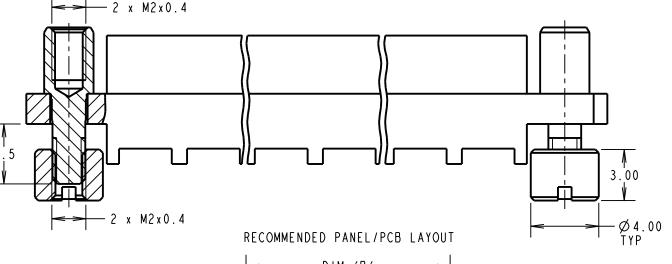
STRIPPING DIMENSIONS

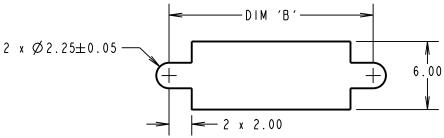
DIMENSION CALCULATION DIM 'A' 4 x No. OF CONTACTS - 4.00 DIM 'B 4 x No. OF CONTACTS + 5.00 DIM 'C' 4 x No. OF CONTACTS + 10.0

EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS, M80-400000F8-10-325-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.0mm

## POWER CRIMP & SOLDER CONTACTS ONLY







### CRIMP/SOLDER NOTES:

- I. CONTACTS AND BOARD MOUNT NUTS ARE SUPPLIED WITH CONNECTOR, BUT NOT ASSEMBLED AS SHOWN FOR ILLUSTRATION.
- 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 AND POSITIONER Z80-295
- INSTRUCTION SHEETS ARE AVAILABLE.
- 6. RECOMMENDED PANL/PCB THICKNESS = 1.3 1.6mm.



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ANGLES = ±5° OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION UNLESS STATED

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

S/AREA:

TOTAL No. OF CONTACTS -

02 TO 12

MATERIAL: SEE ABOVE SEE ABOVE

PF5 = POWER CONTACT IDAWG SOLDER M80-PF5

SPECIAL CONTACTS

325 = POWER CONTACT 12AWG SOLDER M80-325

326 = POWER CONTACT 14AWG SOLDER M80-326

327 = POWER CONTACT 16AWG SOLDER M80-327

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

328 = POWER CONTACT 18AWG SOLDER/CRIMP M80-329
329 = POWER CONTACT 20AWG SOLDER/CRIMP M80-329
328 = POWER CONTACT 12AWG HORIZ' SOLDER M80-32A
32B = POWER CONTACT 16AWG HORIZ' SOLDER M80-32B
32C = POWER CONTACT 16AWG HORIZ' SOLDER M80-32C

M80-325/326/327

x No. OF CONTACTS

M80-32A/32B/32C

x No. OF CONTACTS

1.20

MAX

ORDER CODE: (POWER CRIMP/SOLDER CONTACTS ONLY) M80-400000F8-XX-XXX-00-000

7.55

MAX

13.9

13.7

10.3

DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

DRAWING NUMBER:

NAME ISS. DATE C/NOTE APPROVED: MGP CHECKED: DRAWN: C.PENROSE CUSTOMER REF.:



M80-328/329

x No. OF CONTACTS

M80-PF5

x No. OF CONTACTS

7.55

MAX

MAX

M80-400000F8-XX-XXX-00-000 3 OF

