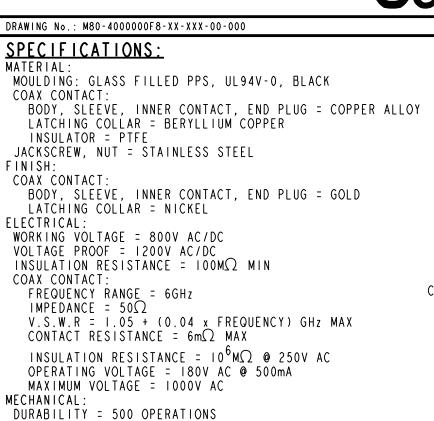
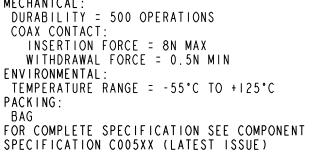
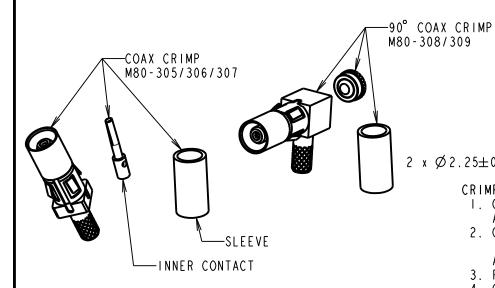
Customer Information Sheet

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



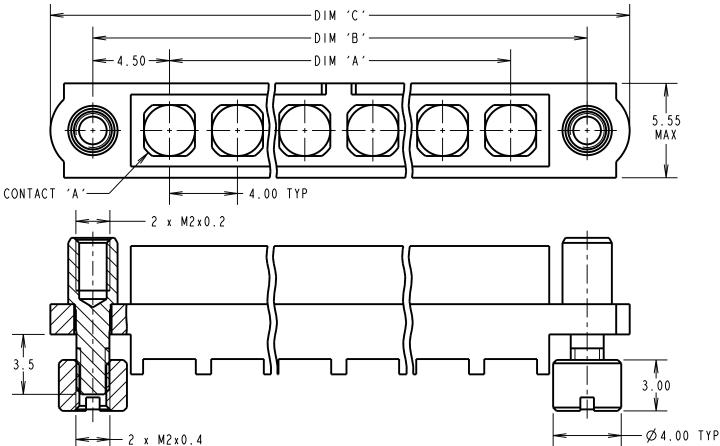


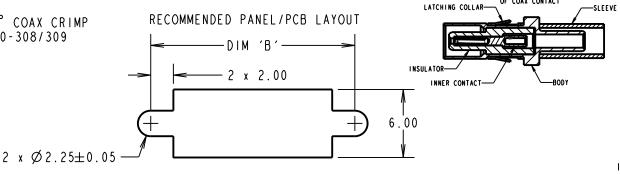


DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.0

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

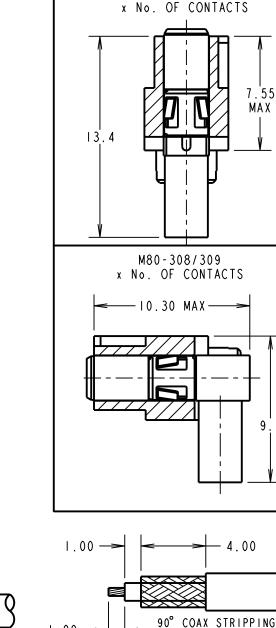








- I. CONTACTS AND BOARD MOUNT NUTS ARE SUPPLIED WITH CONNECTOR, BUT NOT ASSEMBLED AS SHOWN FOR ILLUSTRATION
- 2. COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, MAIN INSULATOR, INNER CONTACT AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INSULATED END PLUG ASSEMBLY ARE SEPARATE.
- 3. FOR EXTRA 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.



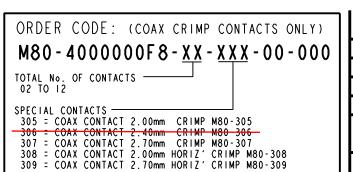
1.00

M80-305/306/307

7.55

MAX

9.7



21020			
C/NOTE			
CHECKED: SB			
DRAWN: C.PENROSE			
CUSTOMER REF.:			
(

DIMENSIONS



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

1.00 →

1.70 🕂

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

COAX STRIPPING

DIMENSIONS

TITLE: DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

DRAWING NUMBER:

technical@harwin.com

ANGLES = ±5° UNLESS STATED

S/AREA:

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 = 10A MAX WITH 16AWG 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/

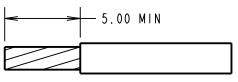
 $32A/32B/32C = -55^{\circ}C TO + 125^{\circ}C$

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

PACKING:

BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)



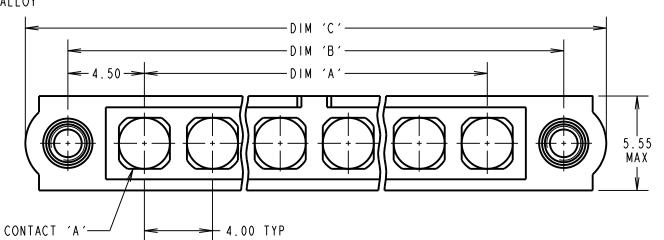
POWER CABLE STRIPPING DIMENSIONS

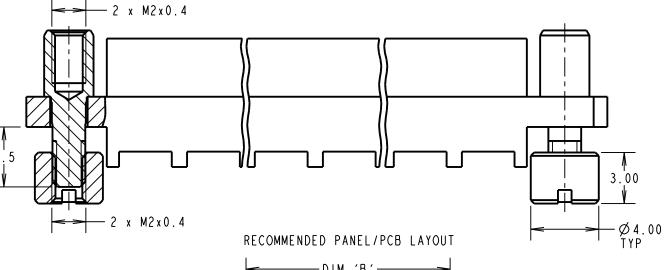
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.0

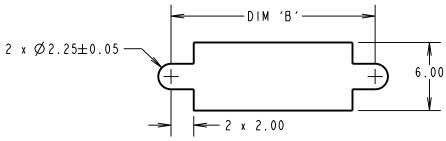
EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS, M80-400000F8-10-325-00-000

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

POWER CRIMP & SOLDER CONTACTS ONLY

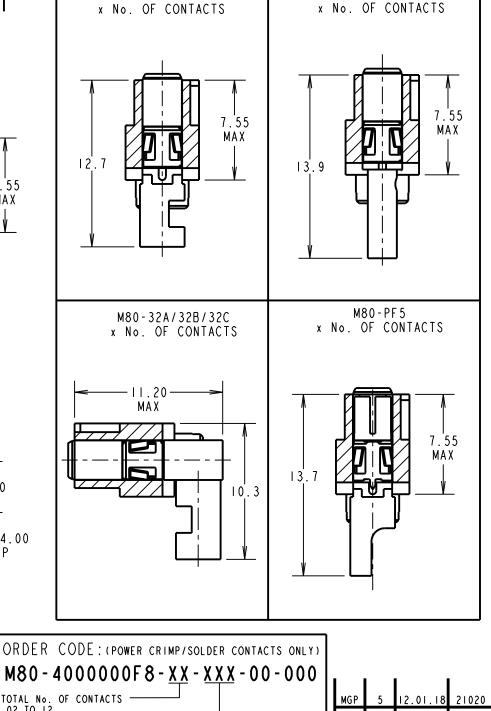


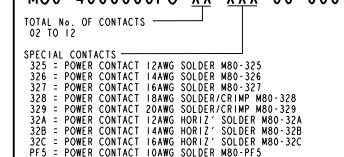




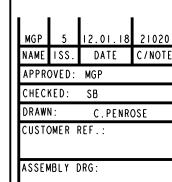
CRIMP/SOLDER NOTES:

- I. CONTACTS AND BOARD MOUNT NUTS ARE SUPPLIED WITH CONNECTOR, BUT NOT ASSEMBLED AS SHOWN FOR ILLUSTRATION.
- 2. FOR EXTRA POWER CONTACTS USE PART NUMBERS M80-325/326/327/328/ 329/32A/32B/32C/PM5
- POWER CONTACT EXTRACTION TOOL = Z80-290
- 4. RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 328/329 = Z80-294 AND POSITIONER Z80-295
- 5. INSTRUCTION SHEETS ARE AVAILABLE.
- 6. RECOMMENDED PANL/PCB THICKNESS = 1.3 1.6mm.





M80-325/326/327



M80-328/329

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UNLESS STATED

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

S/AREA:

DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

DRAWING NUMBER:

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

