# Customer Information Sheet

DRAWING No.: M80-4000000F8-XX-XXX-00-000 SHEET 4 OF 6 THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

## SPECIFICATIONS:

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

COAX CONTACT:

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

INSULATOR = PTFF

JACKSCREW, NUT = STAINLESS STEEL

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 =  $50\Omega$ 

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

COAX CONTACT:

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

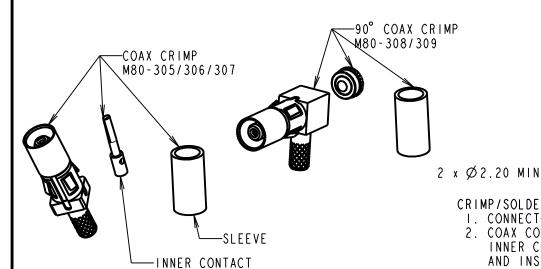
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

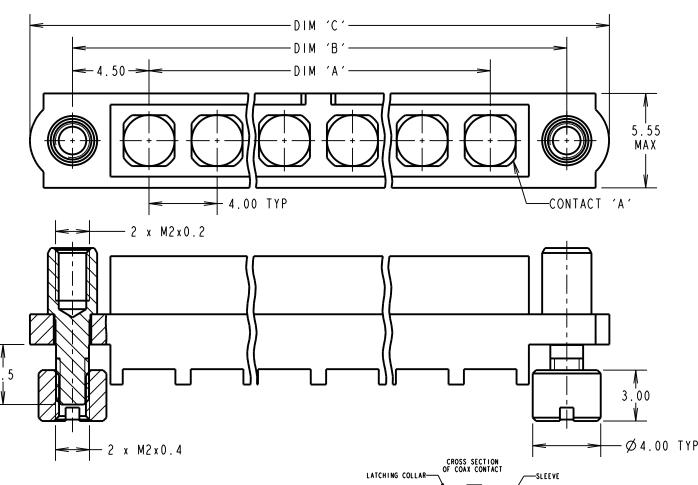


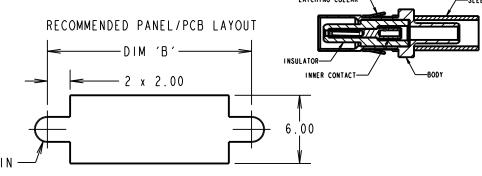
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.00

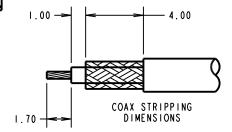
EXAMPLE I: CONNECTOR WITH 08 COAX CONTACTS, M80-400000F8-08-305-00-000

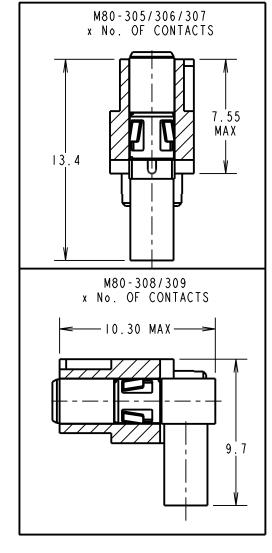
DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm

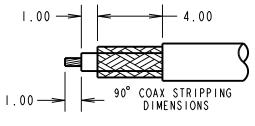
## COAX CRIMP CONTACTS ONLY





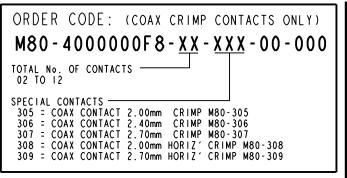






### CRIMP/SOLDER NOTES:

- 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.
- 7. RECOMMENDED PANEL/PCN THICKNESS = 1.3 1.6mm.



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MSP	3	01.04.15	12566		
NAME	ISS.	DATE	C/NOTE		
APPRO	OVED:	M.PERREN			
CHEC	KED:	S.BENNETT			
DRAW	N :	C.PENR	OSE		
CUSTO	USTOMER REF.:				
ASSEM	MBLY (	ORG:			

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X. = ±1mm  $X.X = \pm 0.50 \text{mr}$ X.XX = ±0.10mm (.XXX = ±0.01mm

UNLESS STATED

TOLERANCES

MATERIAL: SEE ABOVE FINISH: SEE ABOVE

S/AREA:

TITLE: DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

DRAWING NUMBER:

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

## Customer Information Sheet

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

## SPECIFICATIONS:

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

POWER CONTACT:

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

INSULATOR = PTFF

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 12AWG 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 I2AWGM80-32B = 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:

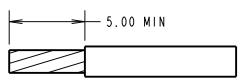
M80-325/326/327/328/329/

32A/32B/32C = -55°C TO +125°C

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

PACKING:

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

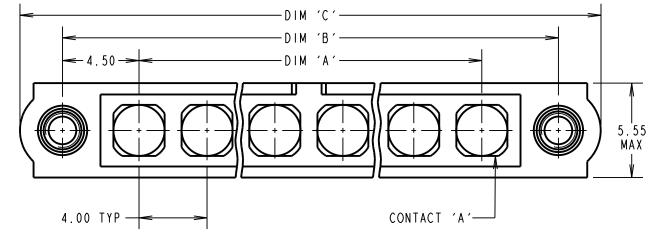


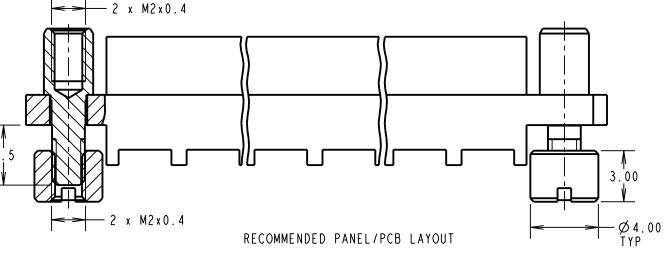
POWER CABLE STRIPPING DIMENSIONS

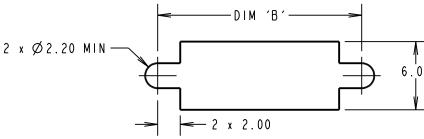
DIMENSION	CALCULATION	
DIM 'A'	4 x No. OF CONTACTS - 4.00	
DIM 'B'	4 x No. OF CONTACTS + 5.00	
DIM 'C'	4 x No. OF CONTACTS + 10.00	

EXAMPLE 2: CONNECTOR WITH 10 POWER CONTACTS, M80-400000F8-10-325-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm

POWER CRIMP & SOLDER CONTACTS ONLY

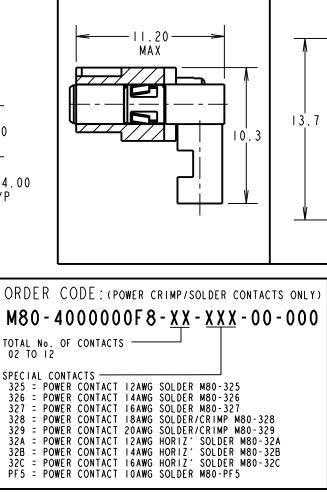






#### CRIMP/SOLDER NOTES:

- 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
- 3. POWER CONTACT EXTRACTION TOOL = Z80-290.
- 4. 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.



M80-32A/32B/32C

x No. OF CONTACTS

M80-325/326/327

x No. OF CONTACTS

12.7

7.55

MAX

13.9



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TOLERANCES X. = ±1mm  $X.X = \pm 0.50 \text{mr}$ X.XX = ±0.10mm (.XXX = ±0.01mm

UNLESS STATED

FINISH:

S/AREA:

MATERIAL: SEE ABOVE SEE ABOVE

DATAMATE MIX-TEK FEMALE ASSEMBLY WITH BOARDMOUNT JACKSCREWS

APPROVED:

CUSTOMER REF.:

ASSEMBLY DRG:

CHECKED:

DRAWN:

M80-328/329

x No. OF CONTACTS

M80-PF5

x No. OF CONTACTS

MAX

7.55

MAX

01.04.15 12566

M.PERREN

S.BENNETT

C.PENROSE

C/NOTE

DATE

DRAWING NUMBER:

M80-4000000F8-XX-XXX-00-000 1 OF

