

Customer Information Sheet

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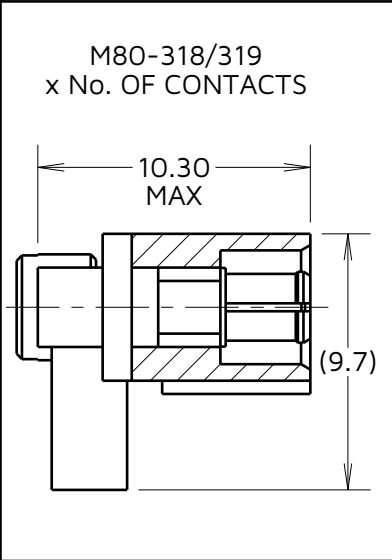
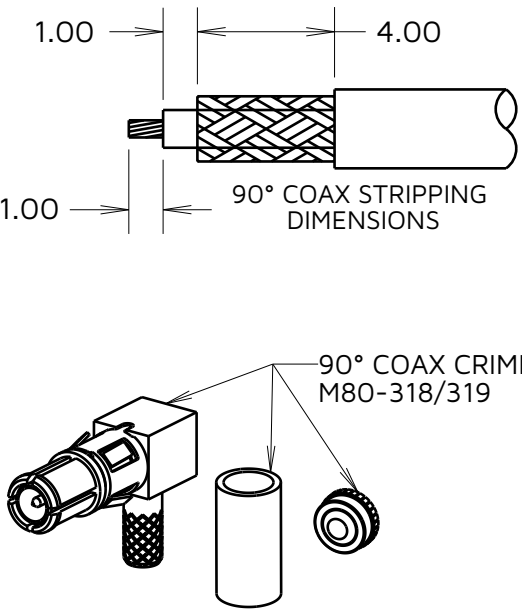
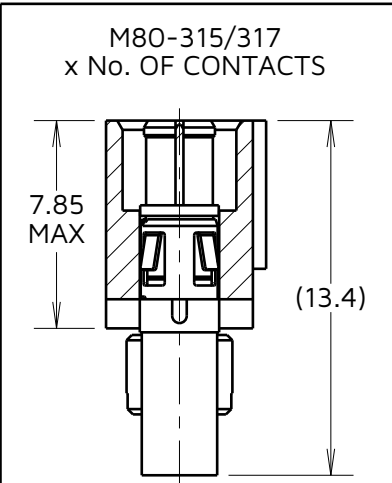
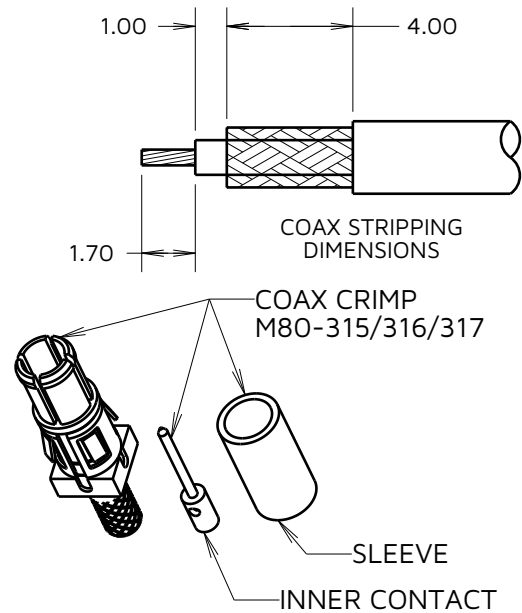
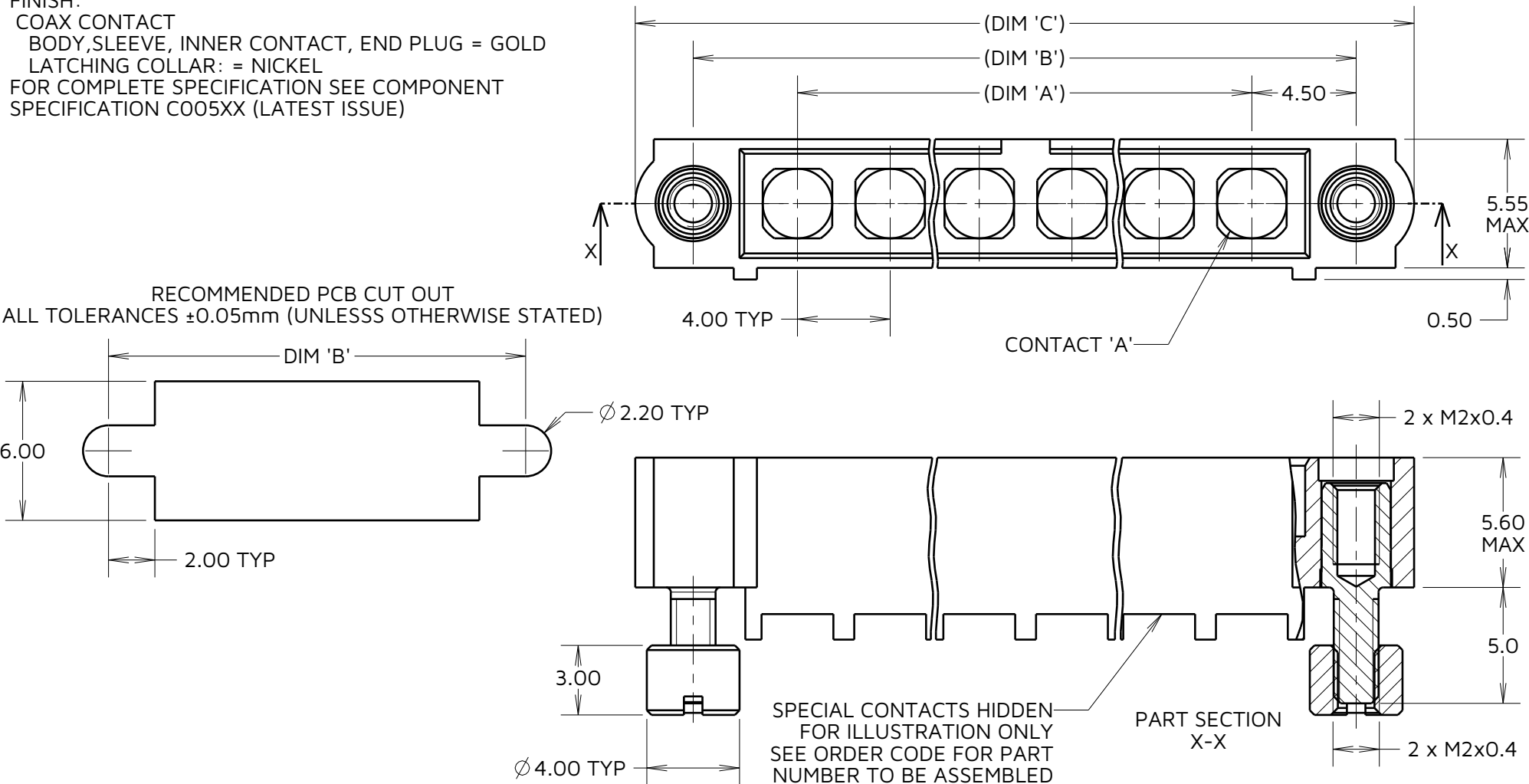
THIRD ANGLE PROJECTION

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
JACKSCREW, NUT = STAINLESS STEEL
FINISH:
COAX CONTACT
BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD
LATCHING COLLAR: = NICKEL
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

COAX CRIMP AND SOLDER CONTACTS ONLY



ORDER CODE: (COAX CRIMP/SOLDER CONTACTS)

M80-5000000M3-XX-XXX-00-000

TOTAL No. OF CONTACTS
02 TO 12

SPECIAL CONTACTS (CRIMP)

315 = COAX CONTACT 2.0mm CRIMP M80-315
317 = COAX CONTACT 2.7mm CRIMP M80-317
318 = COAX CONTACT 2.0mm HORZ' CRIMP M80-318
319 = COAX CONTACT 2.7mm HORZ' CRIMP M80-319

NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS AND NUTS LOOSE.
- 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.
- FOR EXTRA COAX CONTACTS, USE PART NUMBERS M80-315/317/318/319.
- CONTACT EXTRACTION TOOL = Z80-290.
- 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.
- INSTRUCTION SHEETS ARE AVAILABLE.

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: CONNECTOR WITH 08 COAX CONTACTS, M80-5000000M3-08-315-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm	

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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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MATERIAL:

SEE ABOVE

TITLE: **DATAMATE MIX-TEK
MALE ASSEMBLY
WITH BOARD MOUNT J/SCREW**

DRAWING NUMBER:
M80-5000000M3-XX-XXX-00-000

SHT
4 OF
6

AY	8	05.12.23	33391
NAME	ISS.	DATE	CN/CO
APPROVED: A.YEOMANS			
CHECKED: R.PORTLOCK			
DRAWN: R.ADDE			
ASSEMBLY DRG:			

Customer Information Sheet

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NOT TO SCALE

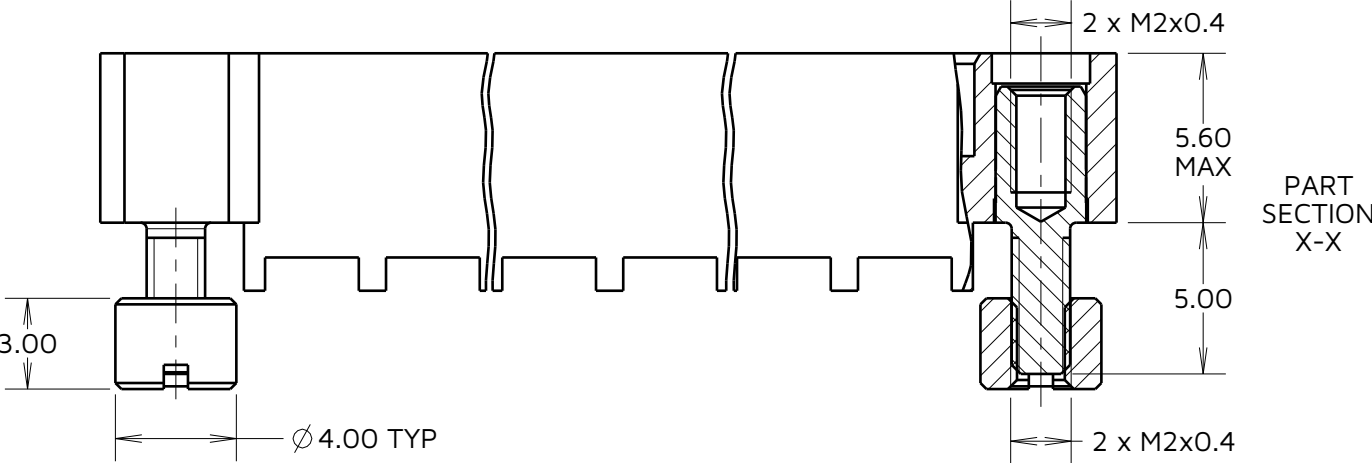
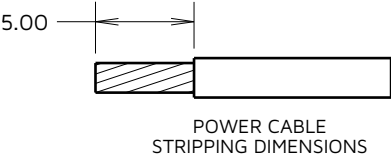
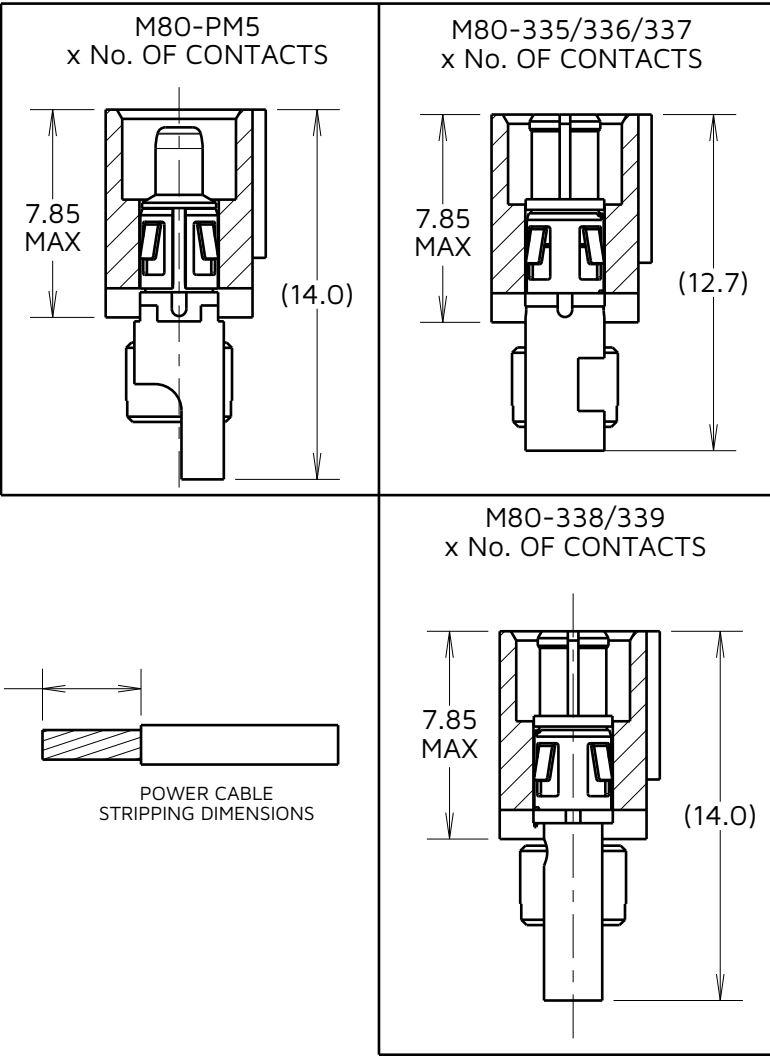
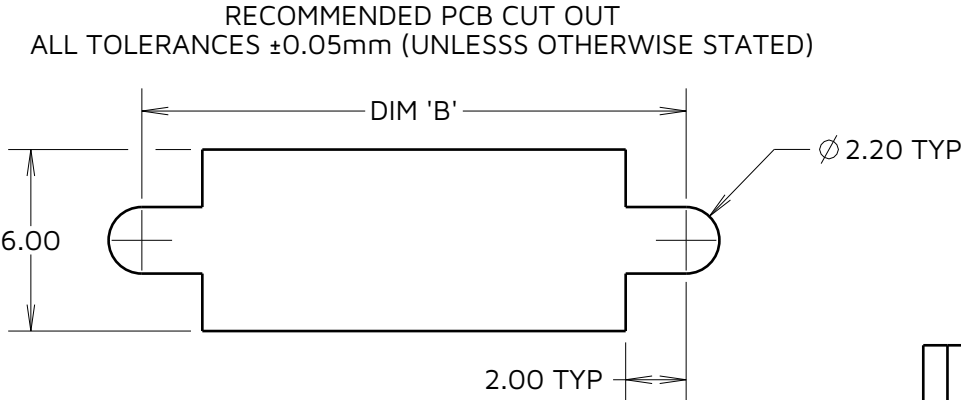
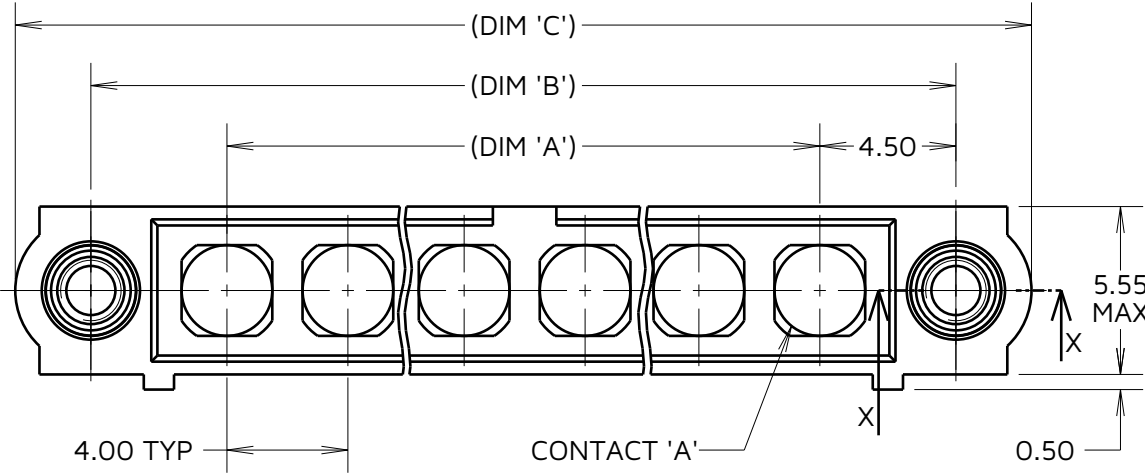
THIRD ANGLE PROJECTION

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
101LOK RETAINER = STAINLESS STEEL
FINISH:
POWER CONTACT:
BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD
LATCHING COLLAR = NICKEL
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION COO5XX (LATEST ISSUE)

POWER CRIMP AND SOLDER CONTACTS ONLY



ORDER CODE: (POWER CRIMP/SOLDER CONTACTS)
M80-5000000M3-XX-XXX-00-000
TOTAL No. OF CONTACTS ———
02 TO 12
SPECIAL CONTACTS (CRIMP)
335 = POWER CONTACT 12AWG SOLDER M80-335
336 = POWER CONTACT 14AWG SOLDER M80-336
337 = POWER CONTACT 16AWG SOLDER M80-337
338 = POWER CONTACT 18AWG SOLDER/CRIMP M80-338
339 = POWER CONTACT 20AWG SOLDER/CRIMP M80-339
PM5 = POWER CONTACT 10AWG SOLDER M80-PM5

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: CONNECTOR WITH 10 POWER CONTACTS, M80-5000000M3-10-335-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm	

- NOTES:**
- CONNECTORS ARE SUPPLIED WITH CONTACTS AND NUTS LOOSE.
 - FOR EXTRA POWER CONTACTS USE PART NUMBERS:
M80-335/336/337/338/339/PM5.
 - CONTACT EXTRACTION TOOL = Z80-290.
 - RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 338/339 = Z80-294
AND POSITIONER Z80-295.
 - INSTRUCTION SHEETS ARE AVAILABLE.

AY	8	05.12.23	33391
NAME	ISS.	DATE	CN/CO
APPROVED: A.YEOMANS			
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DRAWN: R.ADDE			
ASSEMBLY DRG:			

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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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MATERIAL:

SEE ABOVE

TITLE: DATAMATE MIX-TEK
MALE ASSEMBLY
WITH BOARD MOUNT J/SCREW

DRAWING NUMBER: M80-5000000M3-XX-XXX-00-000
SHT 5 OF 6

Customer Information Sheet

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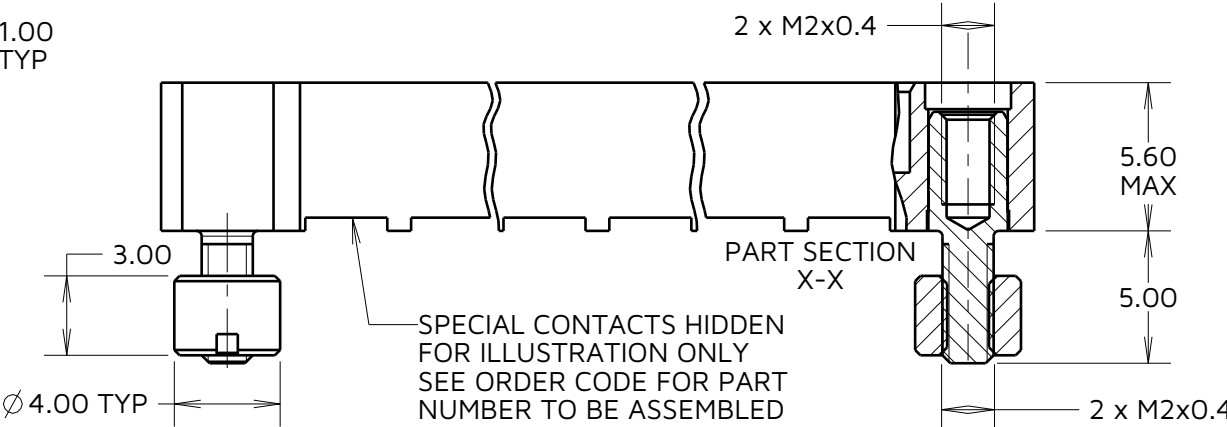
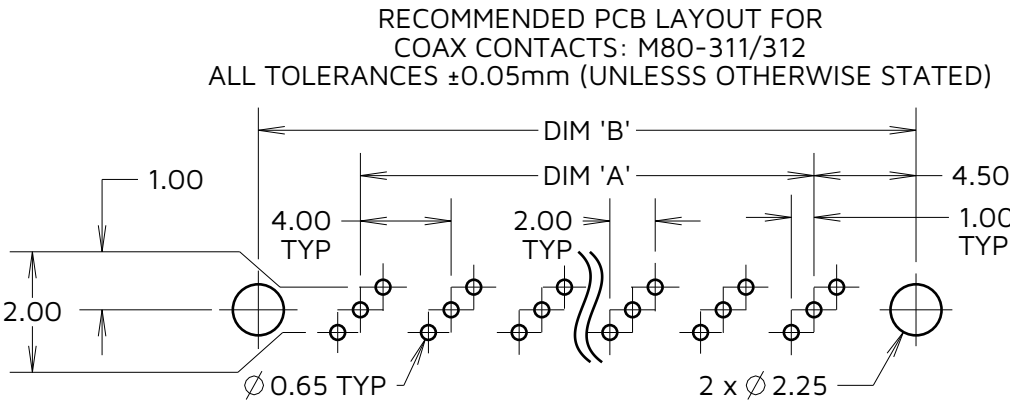
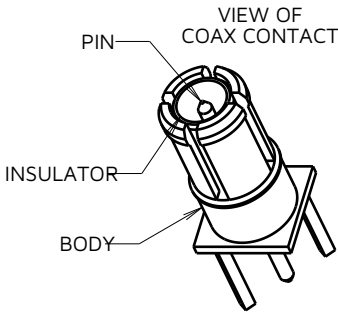
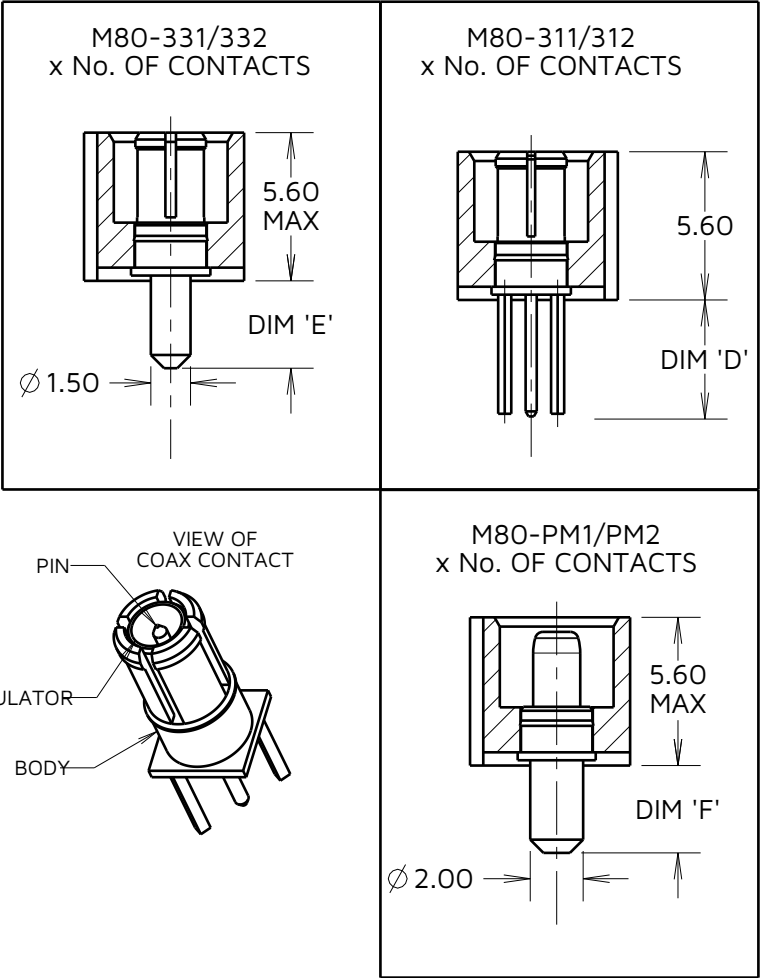
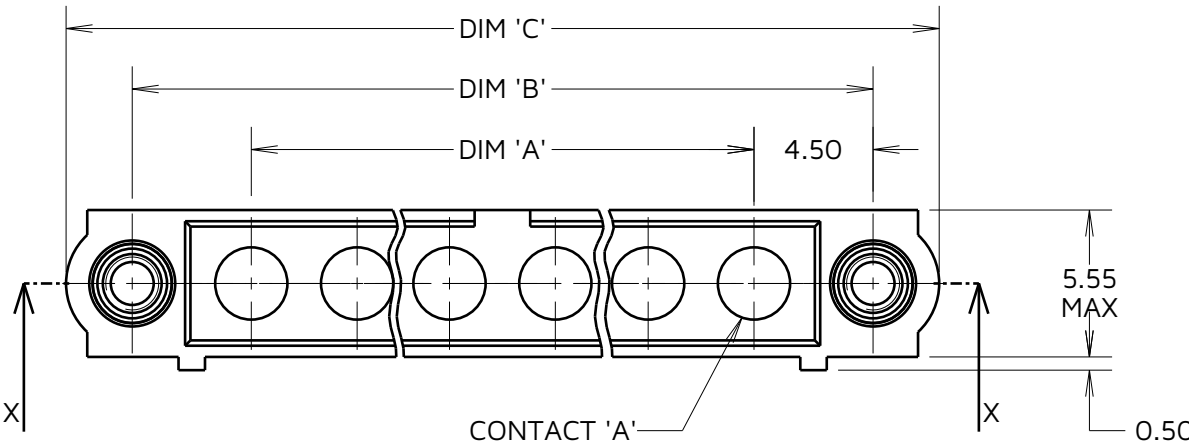
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-O, BLACK
POWER CONTACT: COPPER ALLOY
COAX CONTACT:
BODY = COPPER ALLOY
INNER CONTACT = COPPER ALLOY
INSULATOR = PTFE
JACKSCREW, NUT = STAINLESS STEEL
FINISH:
POWER CONTACT: GOLD
COAX CONTACT: BODY, INNER CONTACT = GOLD
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

VERTICAL PC TAIL CONTACTS ONLY



SPECIAL CONTACTS HIDDEN
FOR ILLUSTRATION ONLY
SEE ORDER CODE FOR PART
NUMBER TO BE ASSEMBLED

ORDER CODE: (VERTICAL PC TAIL CONTACTS ONLY)
M80-5000000M3-XX-XXX-00-000

TOTAL No. OF CONTACTS
02 TO 12

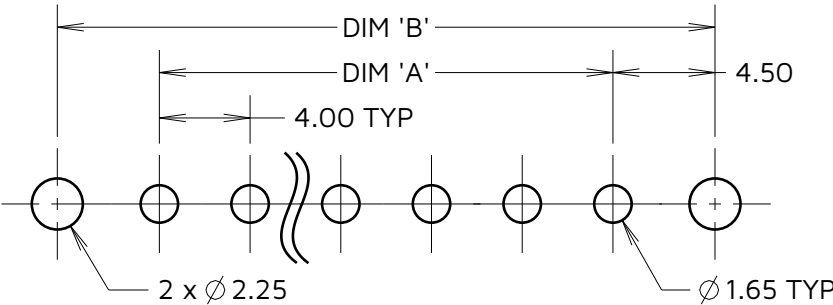
SPECIAL CONTACTS (PC TAIL)

311 = COAX CONTACT 3.0mm PC TAIL M80-311
312 = COAX CONTACT 4.5mm PC TAIL M80-312
331 = 20A POWER CONTACT 3.5mm VERT' PC TAIL M80-331
332 = 20A POWER CONTACT 5.0mm VERT' PC TAIL M80-332
PM1 = 40A POWER CONTACT 3.5mm VERT' PC TAIL M80-PM1
PM2 = 40A POWER CONTACT 5.0mm VERT' PC TAIL M80-PM2

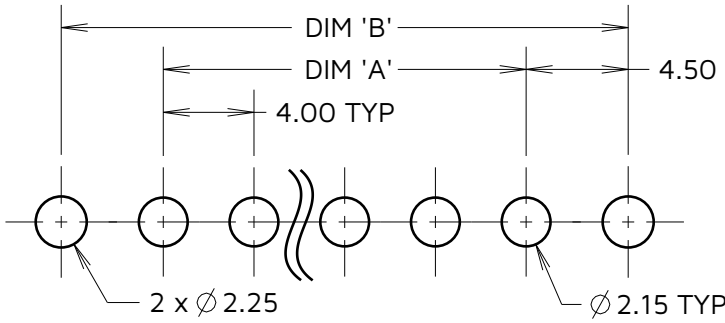
DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.0
DIM 'D'	M80-311 = 3.0mm, M80-312 = 4.5mm
DIM 'E'	M80-331 = 3.5mm, M80-332 = 5.0mm
DIM 'F'	M80-PM1 = 3.5mm, M80-PM2 = 5.0mm

EXAMPLE: CONNECTOR WITH 08 COAX CONTACTS,
M80-5000000M3-08-311-00-000
DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm
DIM 'D' = 3.0mm

RECOMMENDED PCB LAYOUT FOR
POWER CONTACTS: M80-331/332
ALL TOLERANCES $\pm 0.05\text{mm}$ (UNLESSS OTHERWISE STATED)



RECOMMENDED PCB LAYOUT FOR
POWER CONTACTS: M80-PM1/PM2
ALL TOLERANCES $\pm 0.05\text{mm}$ (UNLESSS OTHERWISE STATED)



NOTE:
1. CONNECTORS ARE SUPPLIED WITH NUTS LOOSE.

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TOLERANCES
X. = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
X.XX = $\pm 0.20\text{mm}$
X.XXX = $\pm 0.01\text{mm}$
ANGLES = $\pm 5^\circ$
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MATERIAL:

SEE ABOVE

TITLE: **DATAMATE MIX-TEK
MALE ASSEMBLY
WITH BOARD MOUNT J/SCREW**

DRAWING NUMBER:
M80-5000000M3-XX-XXX-00-000

SHT
6 OF 6

AY	8	05.12.23	33391
NAME	ISS.	DATE	CN/CO
APPROVED:	A.YEOMANS		
CHECKED:	R.PORTLOCK		
DRAWN:	R.ADDE		
ASSEMBLY DRG:			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Harwin:](#)

[M80-5000000M3-04-331-00-000](#) [M80-5000000M3-04-332-00-000](#) [M80-5000000M3-06-332-00-000](#)
[M805000000M302331000](#) [M80-5000000M3-10-332-00-000](#) [M80-5000000M3-08-332-00-000](#) [M80-5000000M3-02-332-](#)
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