

Customer Information Sheet

IF IN DOUBT - ASK

©

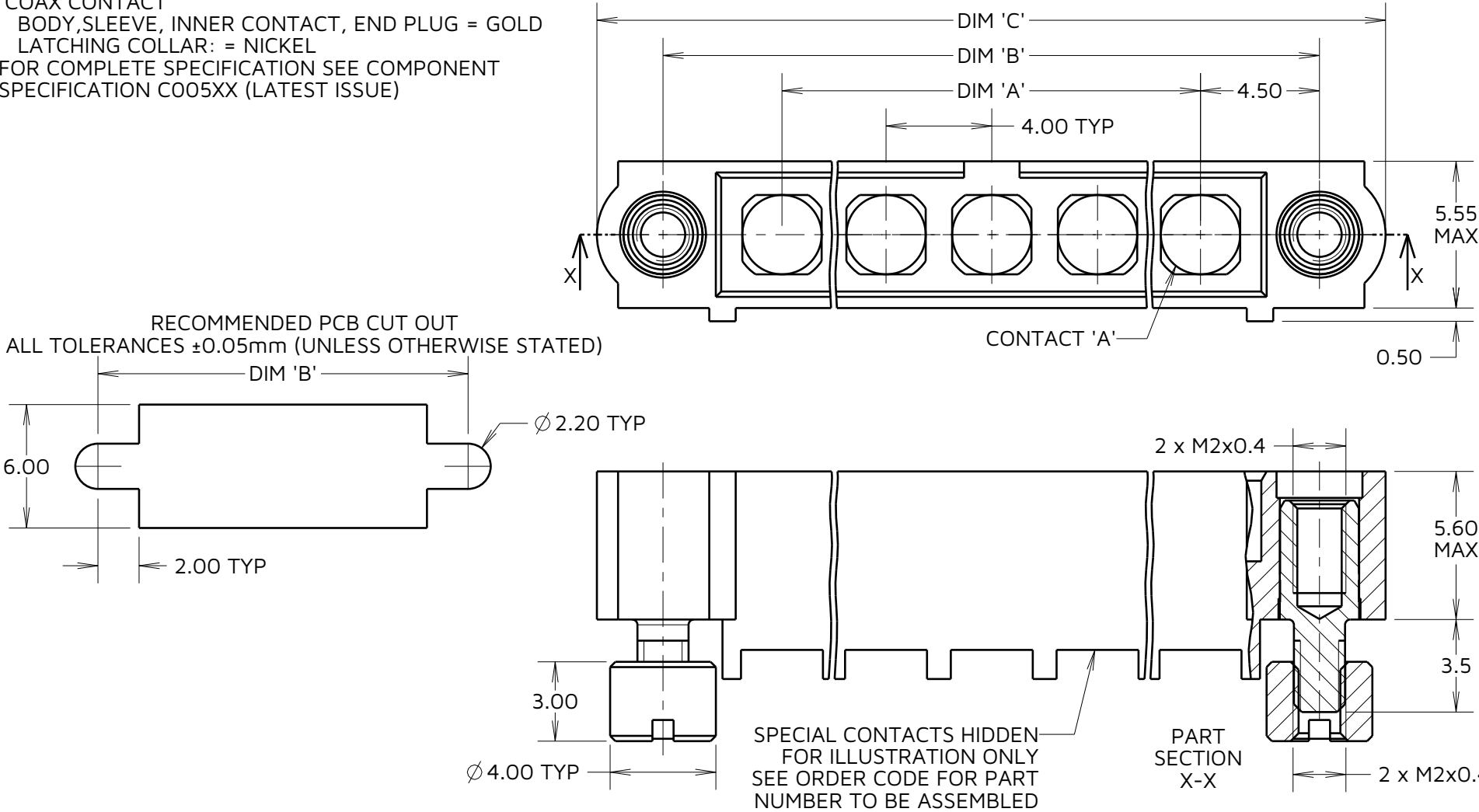
NOT TO SCALE

THIRD ANGLE PROJECTION

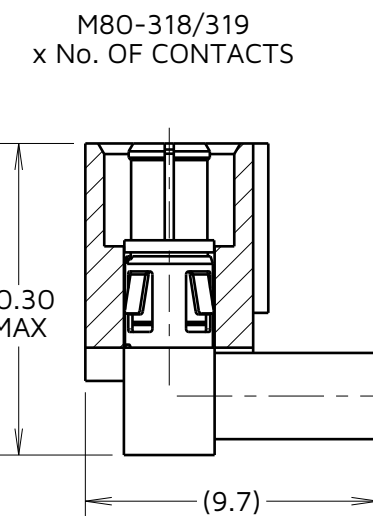
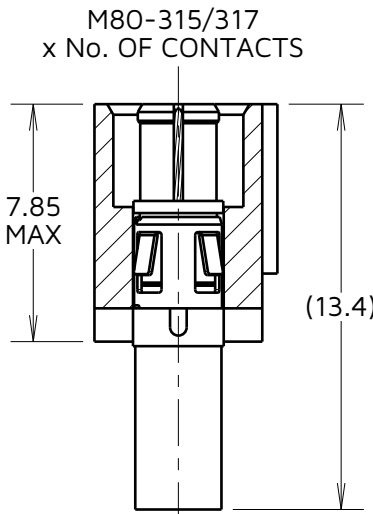
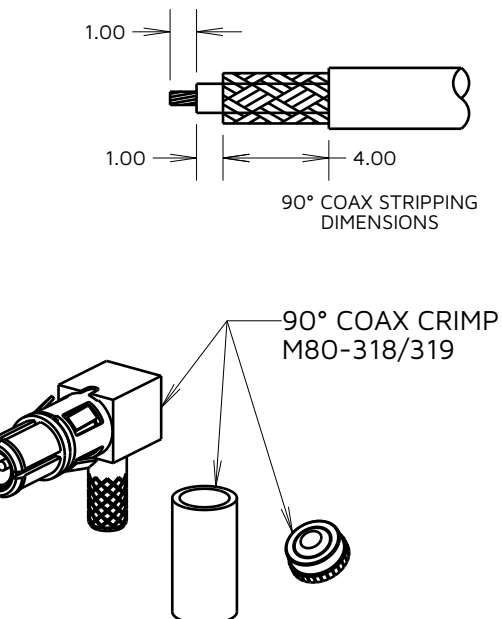
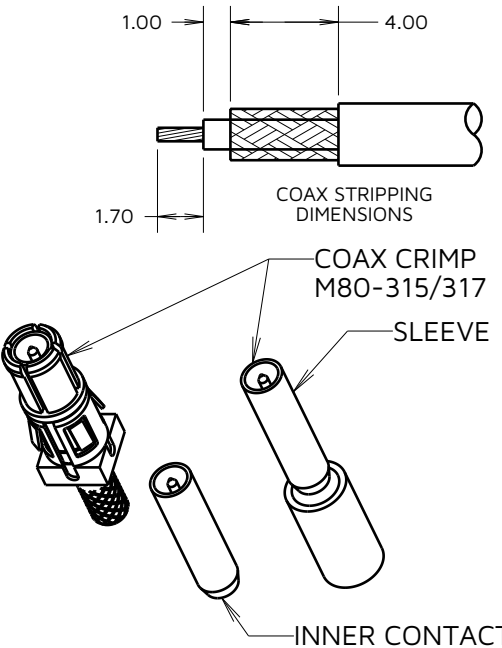
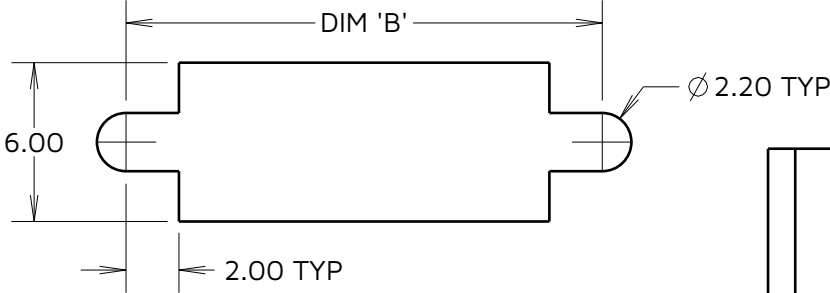
ALL DIMENSIONS IN mm

SPECIFICATIONS:
MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-O, BLACK
COAX CONTACT:
BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
INSULATOR = 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/SOLDER CONTACTS ONLY



RECOMMENDED PCB CUT OUT
ALL TOLERANCES $\pm 0.05\text{mm}$ (UNLESS OTHERWISE STATED)



ORDER CODE:(COAX CRIMP/SOLDER CONTACTS)

M80-5000000M2-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

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, M80-5000000M2-08-315-00-000 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm	

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.

AY	9	05.12.23	33391
NAME	ISS.	DATE	CN/CO
APPROVED: A.YEOMANS			
CHECKED: R.PORTLOCK			
DRAWN: C.PENROSE			
ASSEMBLY DRG:			

HARWIN

www.harwin.com

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 = $\pm 5^\circ$
UNLESS STATED

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

MATERIAL:

SEE ABOVE

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

DRAWING NUMBER: M80-5000000M2-XX-XXX-00-000
SHT 4 OF 6

Customer Information Sheet

IF IN DOUBT - ASK

©

NOT TO SCALE

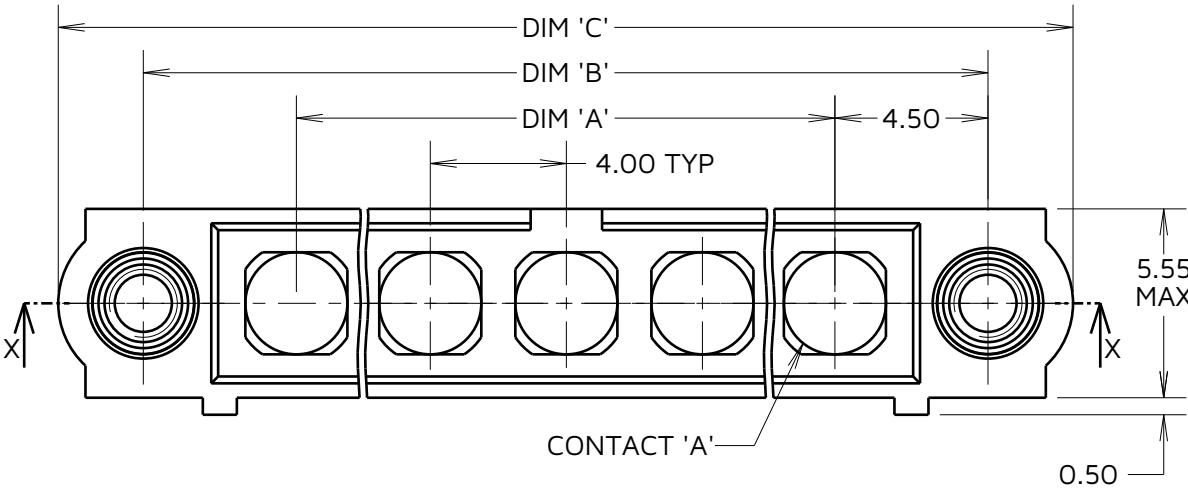
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

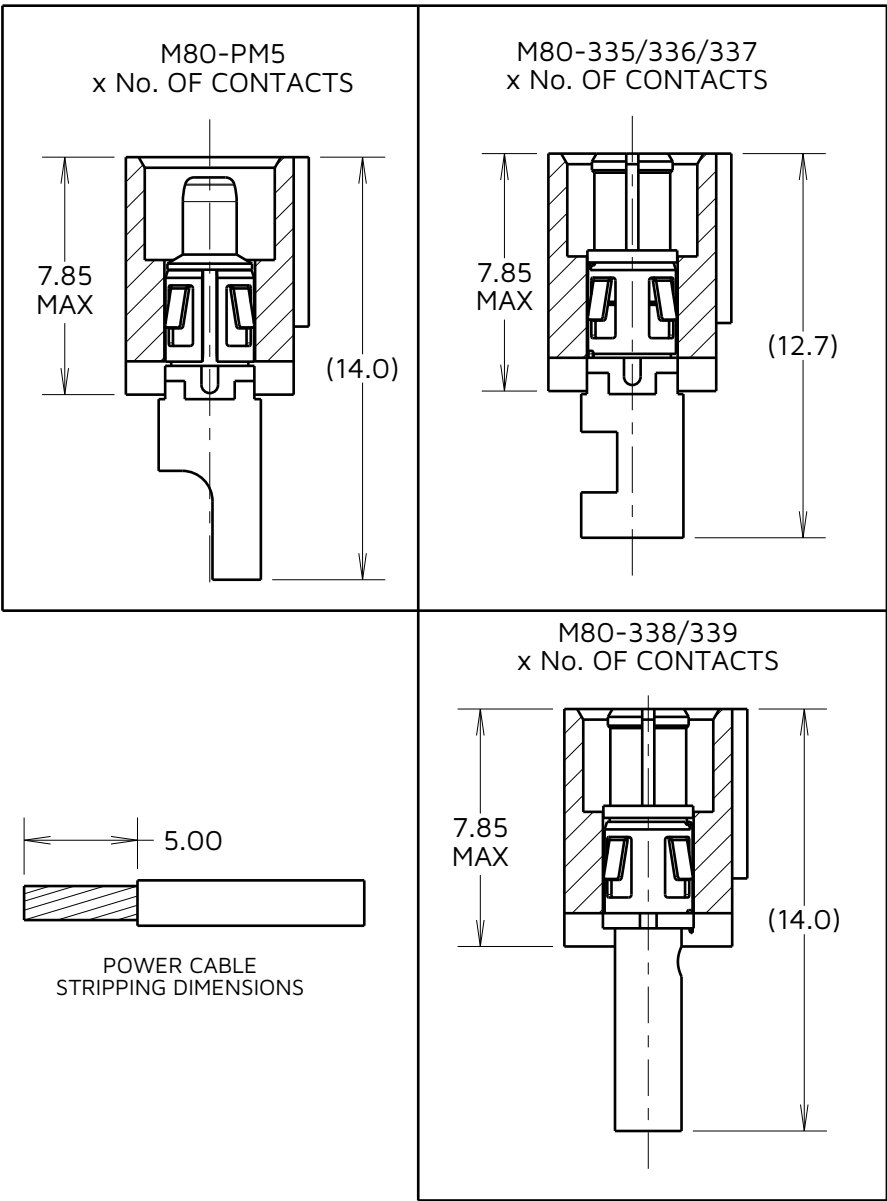
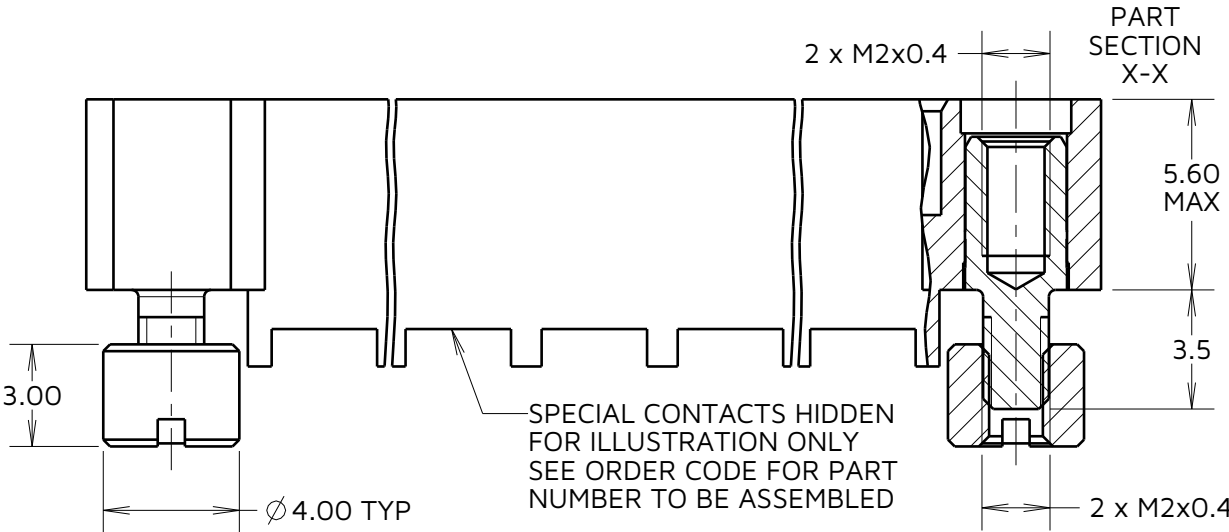
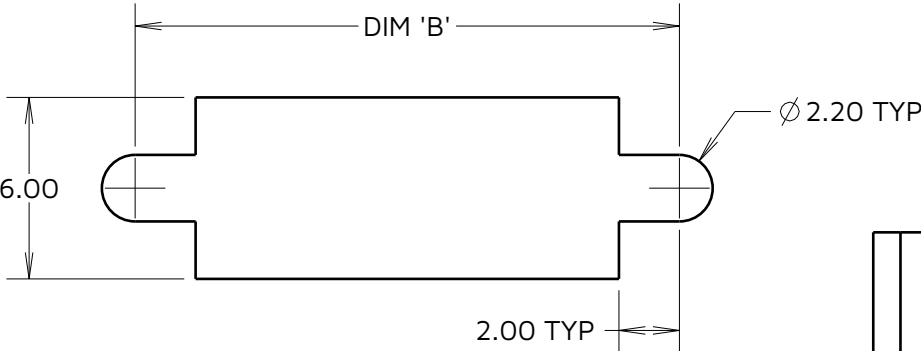
SPECIFICATIONS:

MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
COAX CONTACT:
BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
INSULATOR = PTFE
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)

POWER CRIMP/SOLDER CONTACTS ONLY



RECOMMENDED PCB CUT OUT
ALL TOLERANCES $\pm 0.05\text{mm}$ (UNLESS OTHERWISE STATED)



ORDER CODE:(POWER CRIMP/SOLDER CONTACTS)

M80-5000000M2-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, M80-5000000M2-10-335-00-000 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/PF5.
 - CONTACT EXTRACTION TOOL = Z80-290.
 - RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 338/339 = Z80-294 AND POSITIONER Z80-295.
 - INSTRUCTION SHEETS ARE AVAILABLE.

AY	9	05.12.23	33391
NAME	ISS.	DATE	CN/CO
APPROVED: A.YEOMANS			
CHECKED: R.PORTLOCK			
DRAWN: C.PENROSE			
ASSEMBLY DRG:			

HARWIN

www.harwin.com

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 = $\pm 5^\circ$
UNLESS STATED

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

MATERIAL:

SEE ABOVE

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

DRAWING NUMBER:
M80-5000000M2-XX-XXX-00-000

SHT
5
OF
6

Customer Information Sheet

IF IN DOUBT - ASK

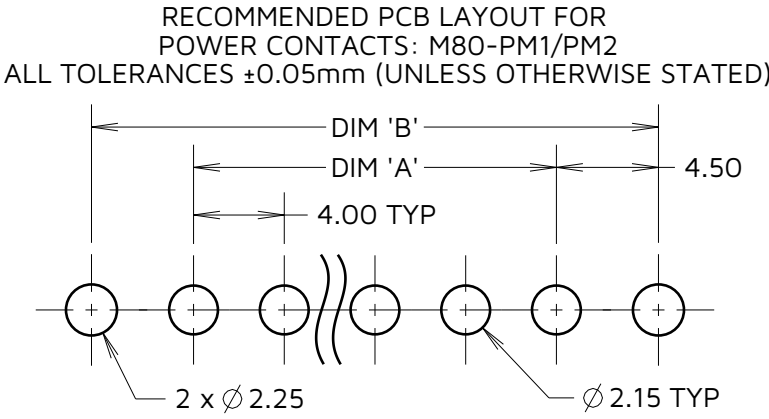
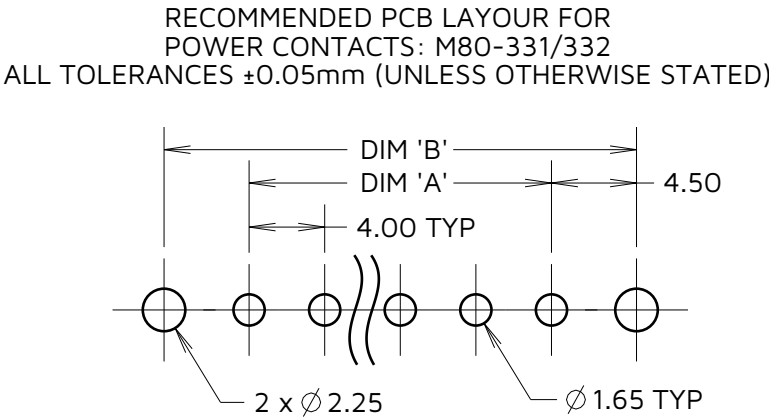
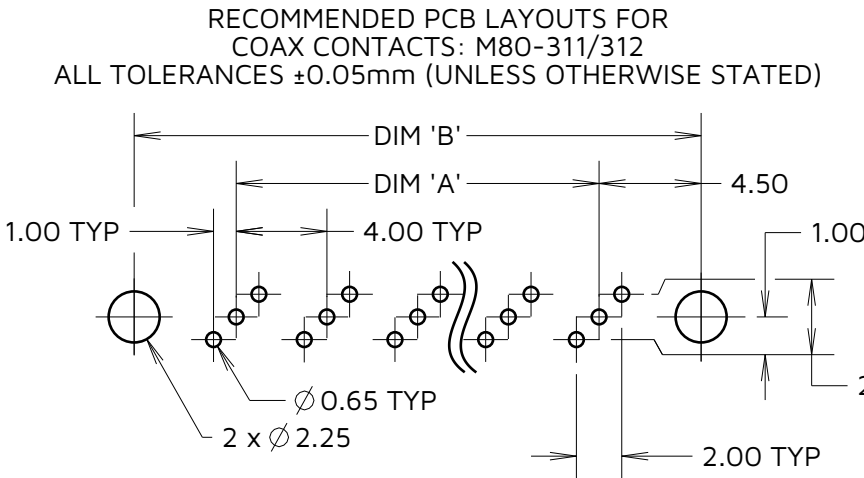
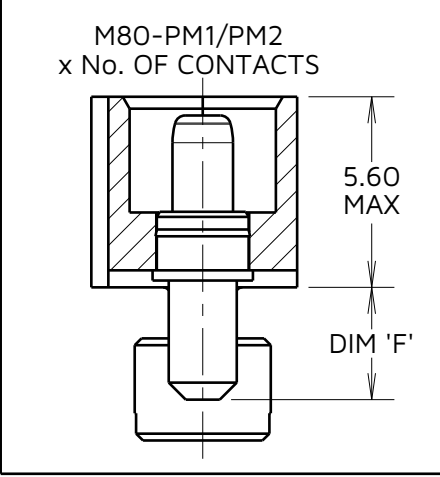
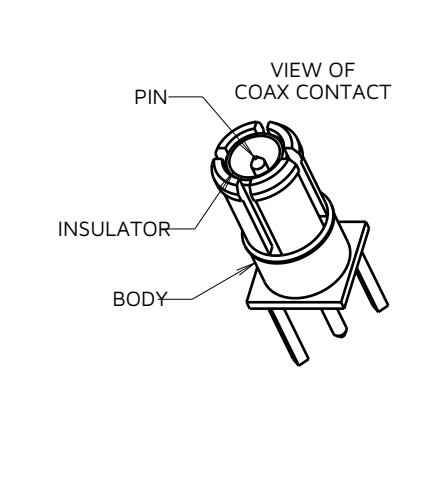
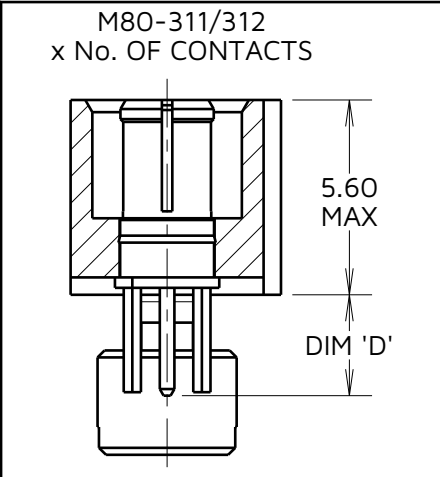
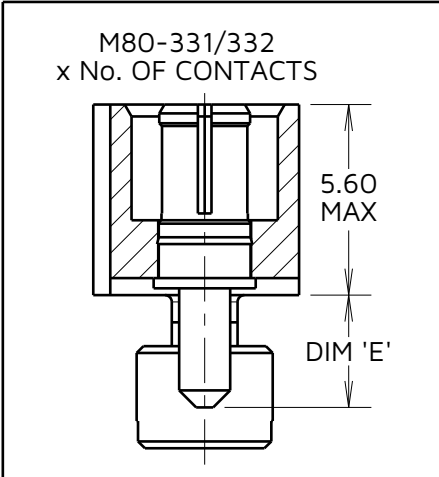
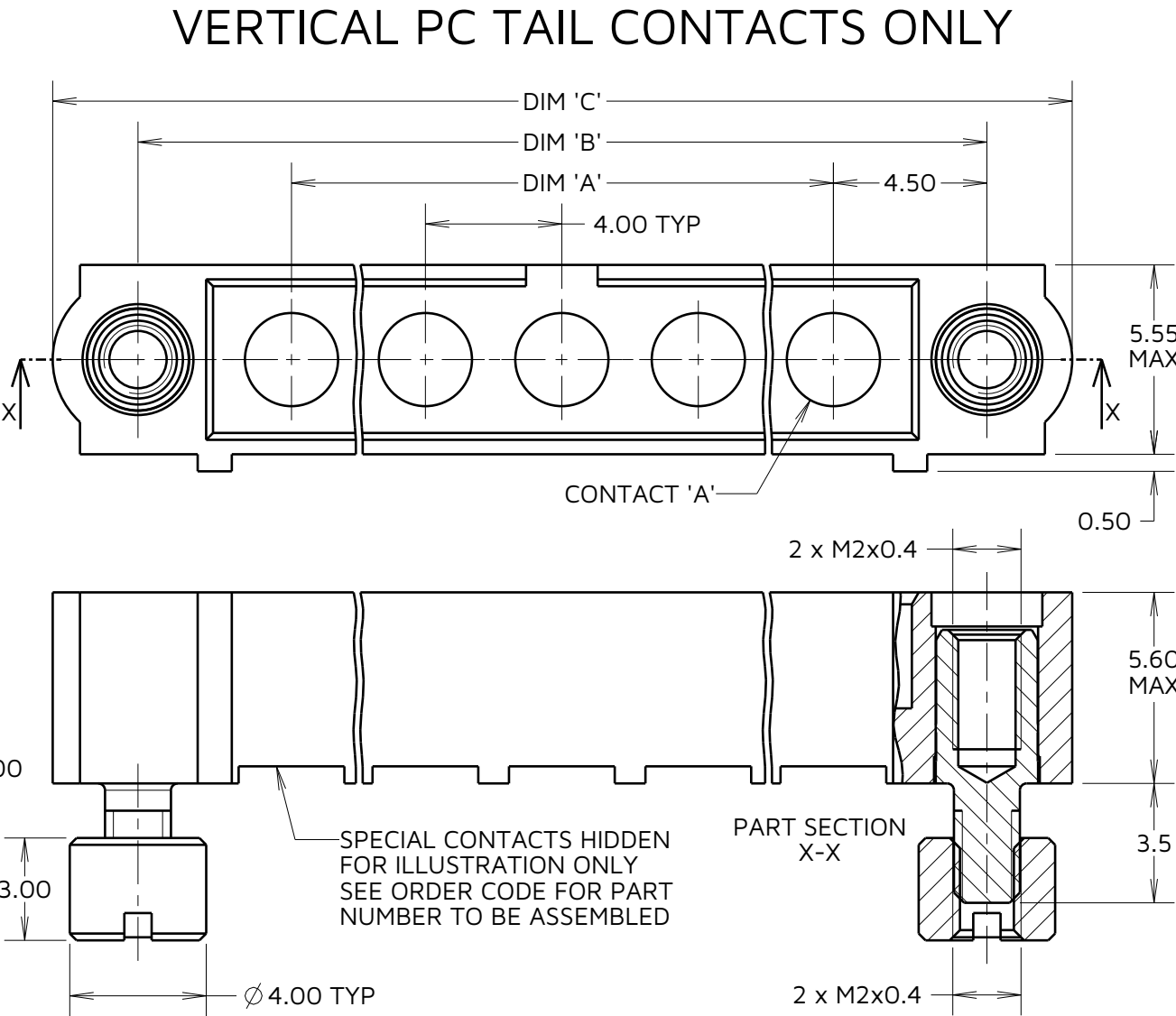
©

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
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)



NOTE:
1. CONNECTORS ARE SUPPLIED WITH NUTS LOOSE.

ORDER CODE:(VERTICAL PC TAIL CONTACTS ONLY)
M80-5000000M2-XX-XXX-00-000

TOTAL No. OF CONTACTS
02 TO 12

SPECIAL CONTACTS (PC TAIL)
311= COAX CONTACT 3.0mm VERT' PC TAIL M80-311
312 = COAX CONTACT 4.5mm VERT' 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 10 VERTICAL CONTACTS, M80-5000000M2-10-332-00-000 DIM 'A' = 36.00mm, DIM 'B' = 45.00mm, DIM 'C' = 50.00mm DIM 'D' = 5.0mm	

AY	9	05.12.23	33391
NAME	ISS.	DATE	CN/CO
APPROVED: A.YEOMANS			
CHECKED: R.PORTLOCK			
DRAWN: C.PENROSE			
ASSEMBLY DRG:			

HARWIN

www.harwin.com

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

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN GROUP
AND MUST NOT BE DISCLOSED,
LOANED, COPIED OR USED FOR
MANUFACTURING, TENDERING OR FOR
ANY OTHER PURPOSE WITHOUT THEIR
WRITTEN PERMISSION.

MATERIAL:

SEE ABOVE

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

DRAWING NUMBER:
M80-5000000M2-XX-XXX-00-000

SHT
6 OF 6

Mouser Electronics

Authorized Distributor

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

[Harwin:](#)

[M80-5000000M2-04-331-00-000](#) [M80-5000000M2-06-331-00-000](#) [M80-5000000M2-08-331-00-000](#) [M80-5000000M2-10-331-00-000](#) [M80-5000000M2-08-335-00-000](#) [M80-5000000M2-10-335-00-000](#) [M80-5000000M2-02-331-00-000](#) [M80-5000000M2-04-PM1-00-000](#) [M80-5000000M2-02-PM1-00-000](#) [M80-5000000M2-06-PM1-00-000](#) [M80-5000000M2-10-PM1-00-000](#) [M80-5000000M2-08-PM1-00-000](#) [M80-5000000M2-06-PM2-00-000](#) [M80-5000000M2-09-331-00-000](#) [M80-5000000M2-04-PM2-00-000](#) [M80-5000000M2-08-332-00-000](#) [M80-5000000M2-04-332-00-000](#) [M80-5000000M2-12-331-00-000](#) [M80-5000000M2-04-PM5-00-000](#) [M80-5000000M2-02-PM5-00-000](#) [M80-5000000M2-03-331-00-000](#) [M80-5000000M2-05-331-00-000](#)