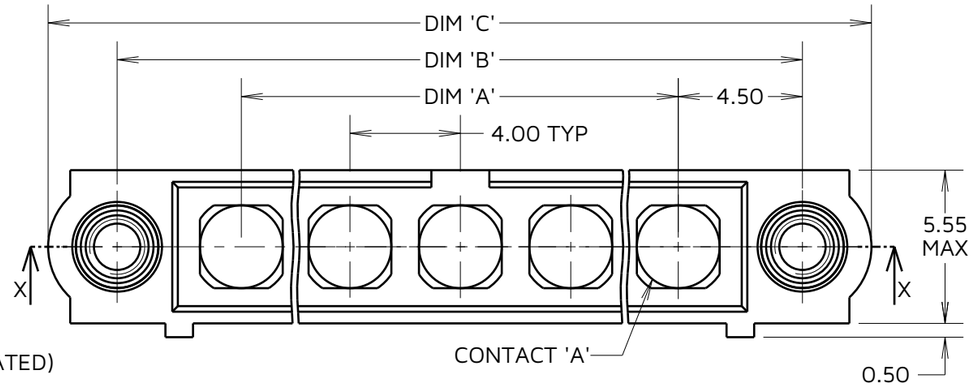
Customer Information Sheet

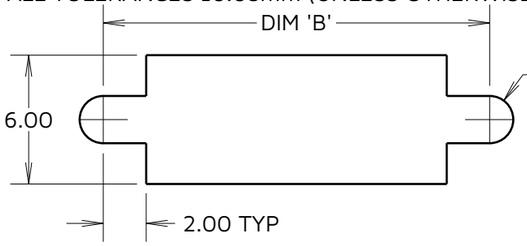
IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

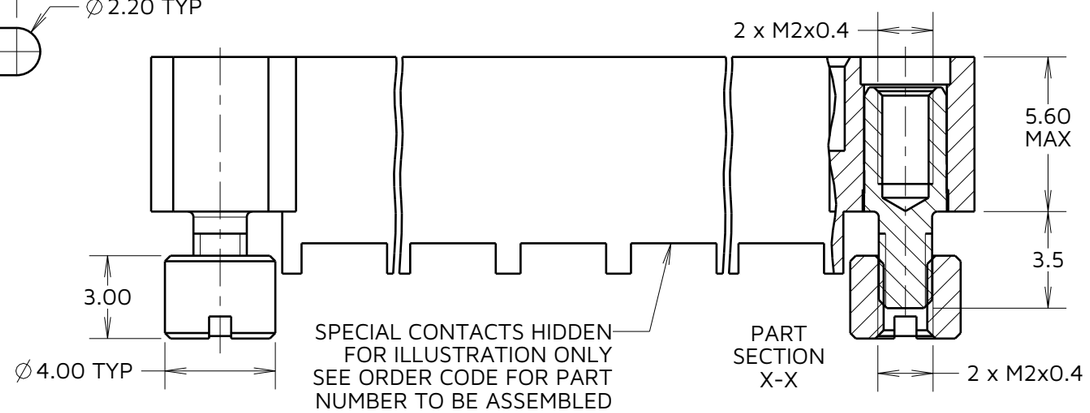
SPECIFICATIONS:
MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
COAX CONTACT:
BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
INSULATOR = PTFE
JACKSCREW, NUT = STAINLESS STEEL
FINISH:
COAX CONTACT
BODY,SLEEVE, INNER CONTACT, END PLUG = GOLD
LATCHING COLLAR: = NICKEL
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

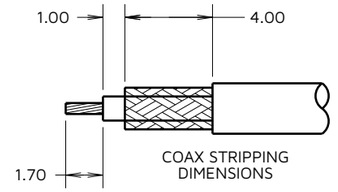
COAX CRIMP/SOLDER CONTACTS ONLY

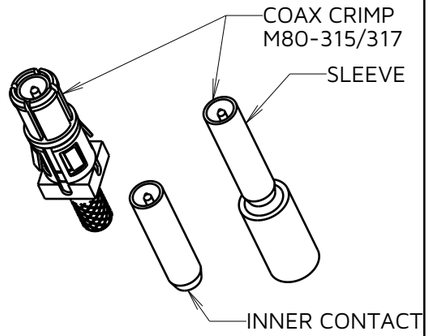


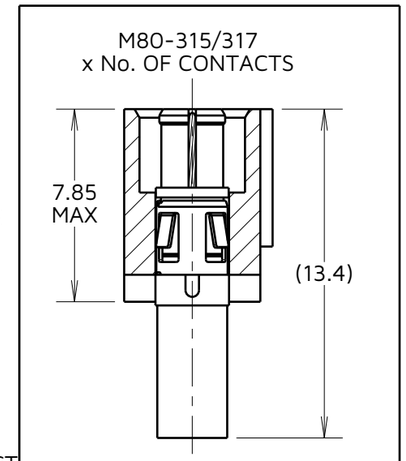
RECOMMENDED PCB CUT OUT
ALL TOLERANCES ±0.05mm (UNLESS OTHERWISE STATED)

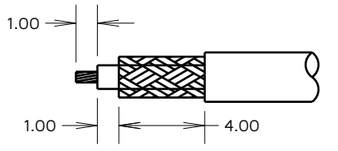


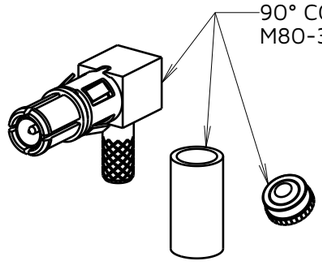


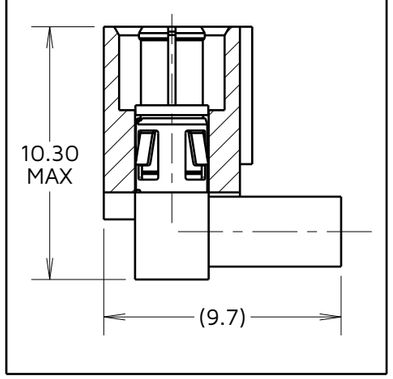












ORDER CODE:(COAX CRIMP/SOLDER CONTACTS)

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:
1. CONNECTORS ARE SUPPLIED WITH CONTACTS AND NUTS 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 M80-315/317/318/319.
4. 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.

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

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www.harwin.com

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

SHT 4 OF 6

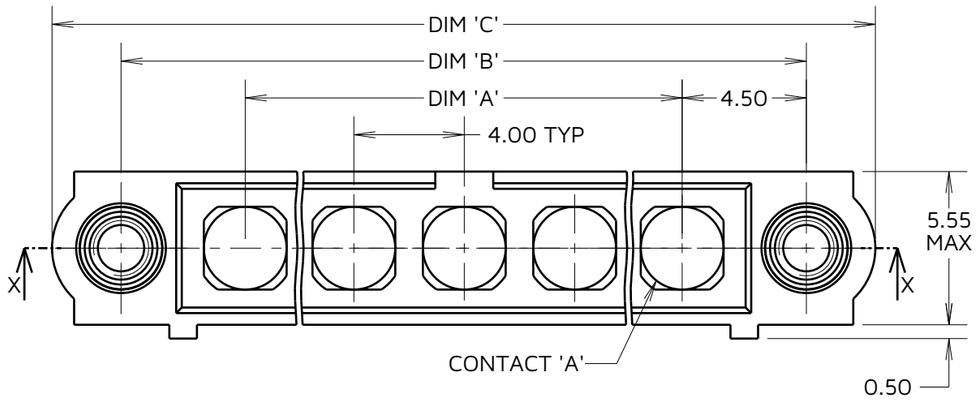
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Customer Information Sheet

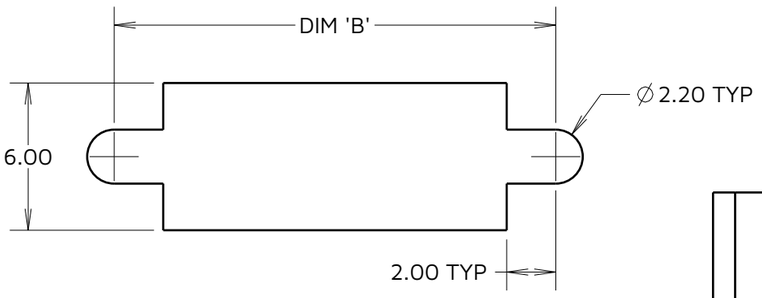
IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

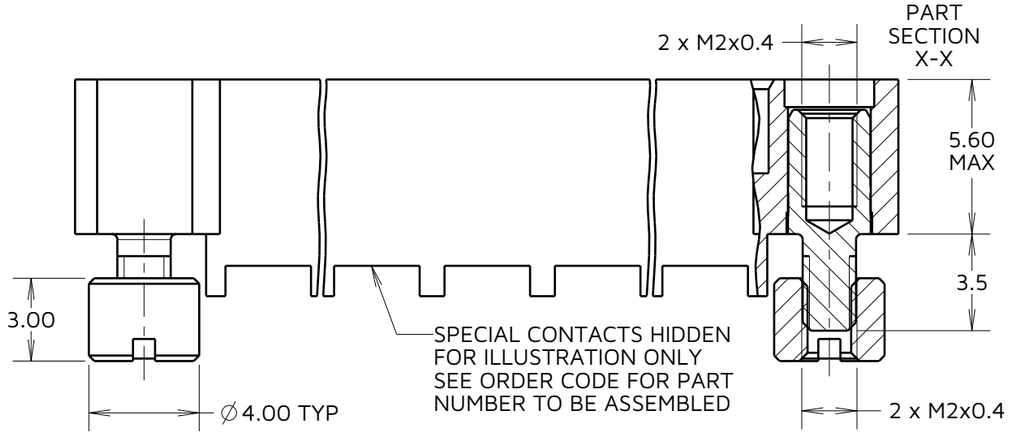
SPECIFICATIONS:
MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
COAX CONTACT:
BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
INSULATOR = PTFE
JACKSCREW, NUT = STAINLESS STEEL
FINISH:
COAX CONTACT
BODY,SLEEVE, INNER CONTACT, END PLUG = GOLD
LATCHING COLLAR: = NICKEL
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

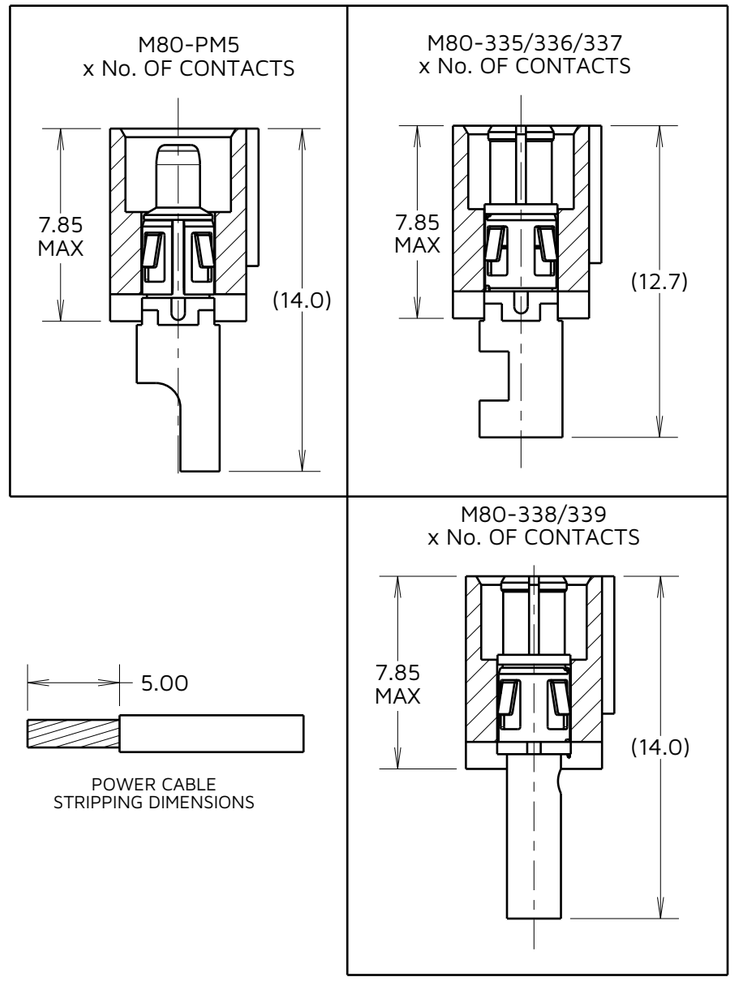
POWER CRIMP/SOLDER CONTACTS ONLY



RECOMMENDED PCB CUT OUT
ALL TOLERANCES ±0.05mm (UNLESS OTHERWISE STATED)







POWER CABLE
STRIPPING DIMENSIONS

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:
1. CONNECTORS ARE SUPPLIED WITH CONTACTS AND NUTS LOOSE.
2. FOR EXTRA POWER CONTACTS USE PART NUMBERS: M80-335/336/337/338/339/PF5.
3. CONTACT EXTRACTION TOOL = Z80-290.
4. RECOMMENDED HAND CRIMP TOOL FOR CONTACTS 338/339 = Z80-294 AND POSITIONER Z80-295.
5. 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. = ±1mm
X.XX = ±0.50mm
X.XXX = ±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: M80-5000000M2-XX-XXX-00-000

SHT 5 OF 6

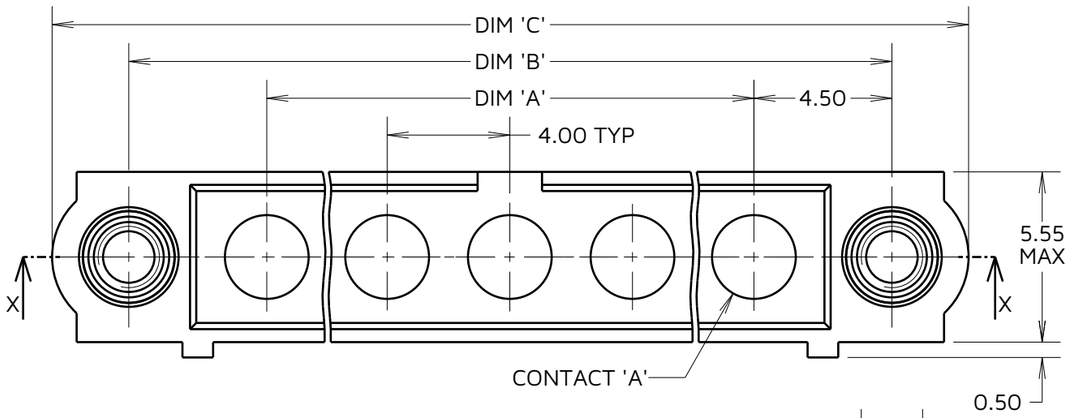
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Customer Information Sheet

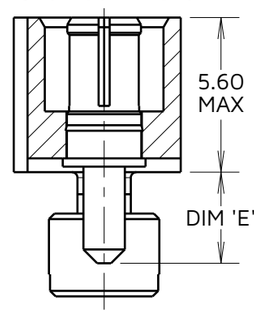
IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

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)

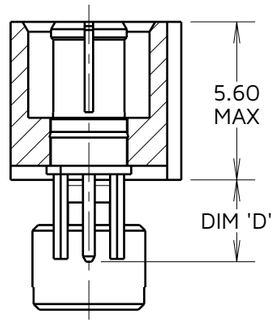
VERTICAL PC TAIL CONTACTS ONLY

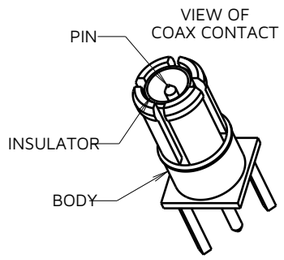


M80-331/332
x No. OF CONTACTS

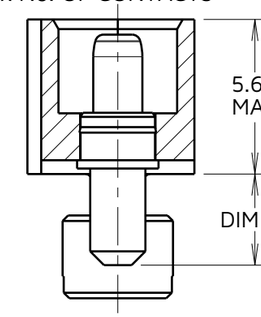


M80-311/312
x No. OF CONTACTS

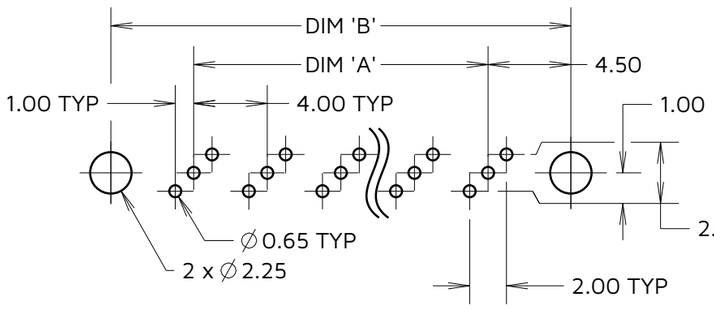




M80-PM1/PM2
x No. OF CONTACTS



RECOMMENDED PCB LAYOUTS FOR
COAX CONTACTS: M80-311/312
ALL TOLERANCES ±0.05mm (UNLESS OTHERWISE STATED)



ORDER CODE:(VERTICAL PC TAIL CONTACTS ONLY)

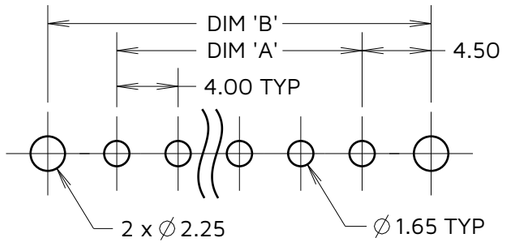
M80-5000000M2-XX-XXX-00-000

TOTAL No. OF CONTACTS
02 TO 12

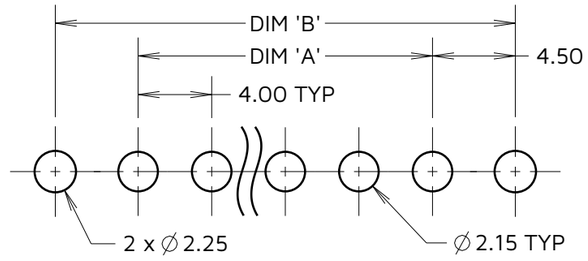
SPECIAL CONTACTS (PC TAIL)
311= COAX CONTACT 3.0mm VERT' PC TAIL M80-311
312 = COAX CONTACT 4.5mm VERT' PC TAIL M80-312
331 = 20A POWER CONTACT 3.5mm VERT' PC TAIL M80-331
332 = 20A POWER CONTACT 5.0mm VERT' PC TAIL M80-332
PM1 = 40A POWER CONTACT 3.5mm VERT' PC TAIL M80-PM1
PM2 = 40A POWER CONTACT 5.0mm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

RECOMMENDED PCB LAYOUR FOR
POWER CONTACTS: M80-331/332
ALL TOLERANCES ±0.05mm (UNLESS OTHERWISE STATED)



RECOMMENDED PCB LAYOUT FOR
POWER CONTACTS: M80-PM1/PM2
ALL TOLERANCES ±0.05mm (UNLESS OTHERWISE STATED)



NOTE:
1. CONNECTORS ARE SUPPLIED WITH NUTS LOOSE.

AY	9	05.12.23	33391
NAME	ISS.	DATE	CN/CO
APPROVED:	A.YEOMANS		
CHECKED:	R.PORTLOCK		
DRAWN:	C.PENROSE		
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: M80-5000000M2-XX-XXX-00-000

SHT 6 OF 6

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