All dimensions in mm	If in doubt - ask	©

Customer Information Sheet

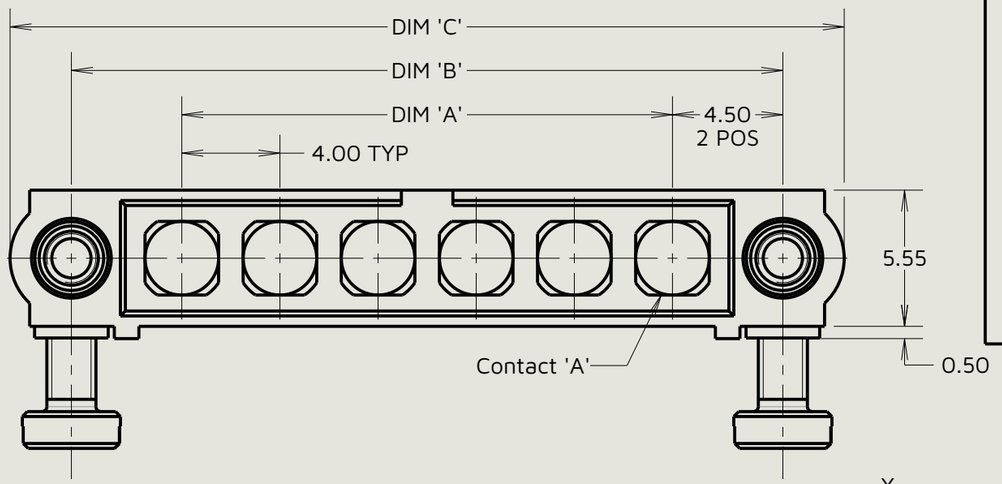
Coax Crimp and Solder Contacts Only

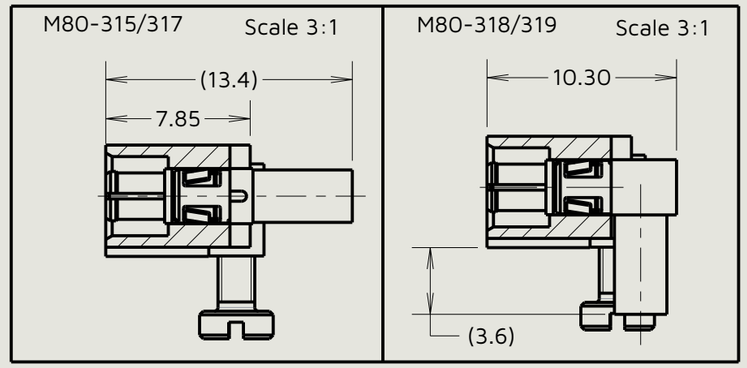
Specifications:
Material:
- Housing: Glass Filled PPS, UL94V-0, Black
- Coax Contact:Body, Sleeve, Inner Contact, End Plug = Copper Alloy
- Latching Collar = Beryllium Copper
- Insulator = PTFE
- Jackscrew, Screw = Stainless Steel

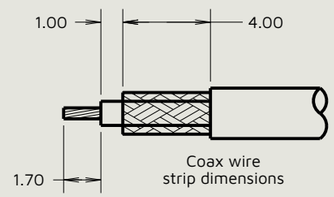
Finish:
- Coax Contact Body, Sleeve, Inner Contact, End Plug = Gold
- Latching Collar: = Nickel

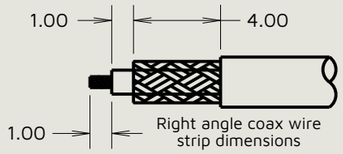
Packing:
- Bag

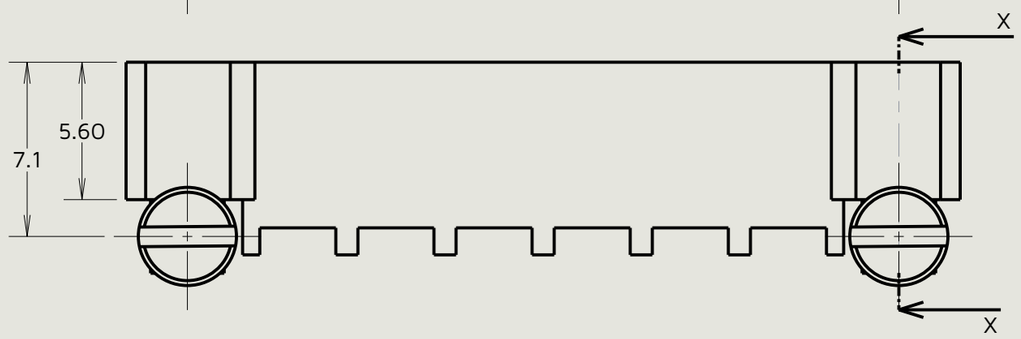
For Complete Specification See Component Specification C005XX (Latest Issue)

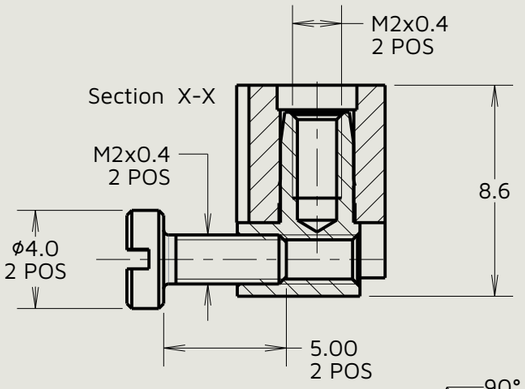










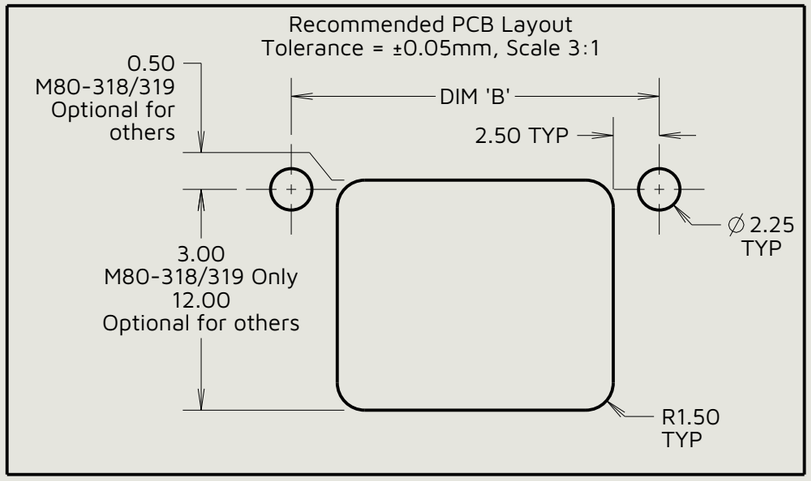


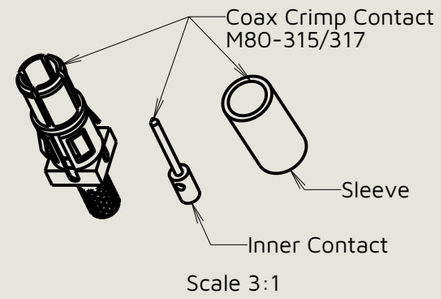
Order Code:

M80-5000000M5-XX-XXX-00-000

Total No. Of Contacts:
02 To 12

Special Contacts:
- 315 = Coax Contact 2.0mm Crimp M80-315
- 317 = Coax Contact 2.7mm Crimp M80-317
- 318 = Coax Contact 2.0mm Right- Angle Crimp M80-318
- 319 = Coax Contact 2.7mm Right- Angle Crimp M80-319





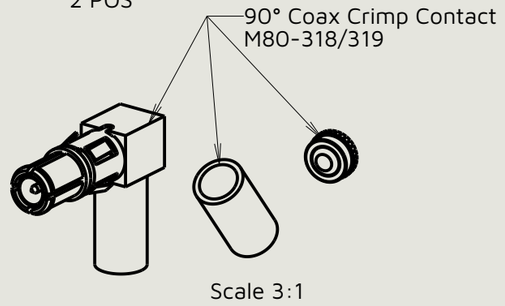


Table 1: Dimension Variants	
Dimension	Calculation
DIM 'A'	4 x No. Of Contacts - 4.00
DIM 'B'	4 x No. Of Contacts + 5.00
DIM 'C'	4 x No. Of Contacts + 10.0

MJ	13	28.01.26	37709
Initials	Rev.	Date	CO
MGP	4	16.07.13	12116

Notes:
1. Connectors are supplied with Contacts and Board Mount Screws, not assembled.
2. Coax contact is supplied as a kit of parts: Body, Main Insulator, Inner Contact and Latching Collar are pre-assembled. 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.

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TOLERANCES
X. = ±0.50mm
X.X = ±0.30mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
Angles = ±5°
Unless stated

Third angle projection

MATERIAL: See Specification

FINISH: See Specification

Sheet scale: 4:1
Do not scale
Sheet size: A3

Title: Datamate Mix-Tek Male Right-Angle Boardmount Jackscrew Connector

Drawing number: **M80-5000000M5-XX-XXX-00-000**

SHT 4 OF 6

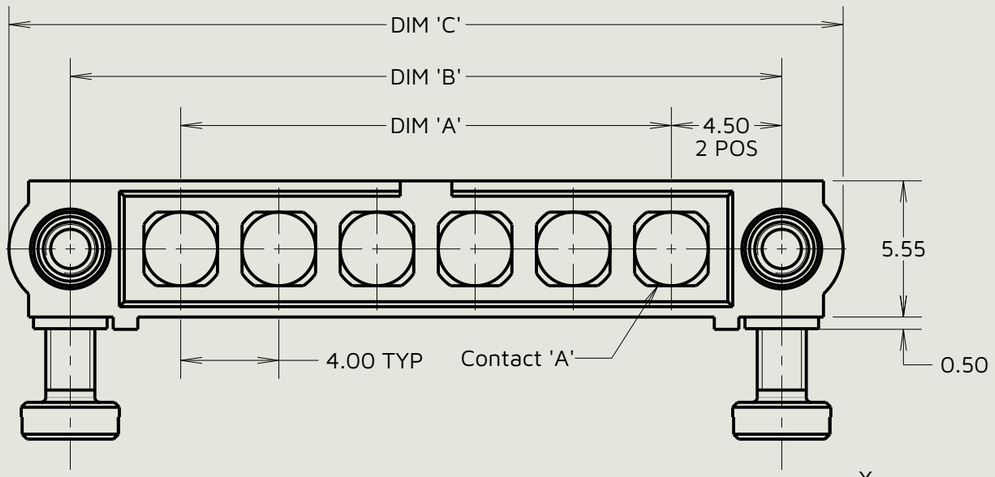
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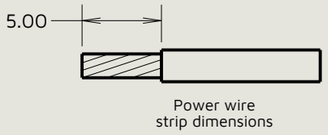
All dimensions in mm	If in doubt - ask	©

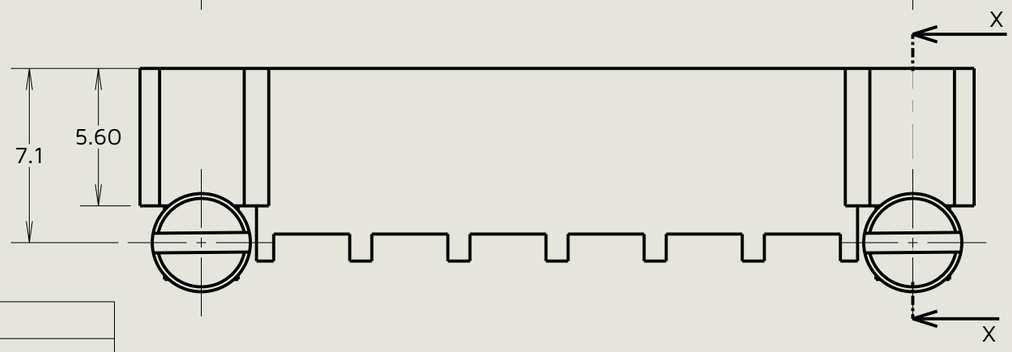
Customer Information Sheet

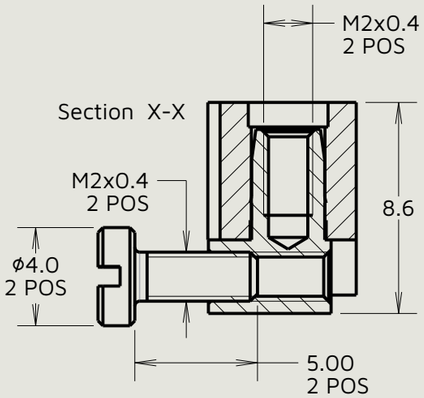
Specifications:
Material:
Housing: Glass Filled PPS UL94V-0, Black
Power Contact:
Body = Copper Alloy
Latching Collar = Beryllium Copper
Jackscrew, Screw = Stainless Steel
Finish:
Power Contact:
Body = Gold
Latching Collar = Nickel
Packing:
Bag
For Complete Specification See Component Specification C005XX (Latest Issue)

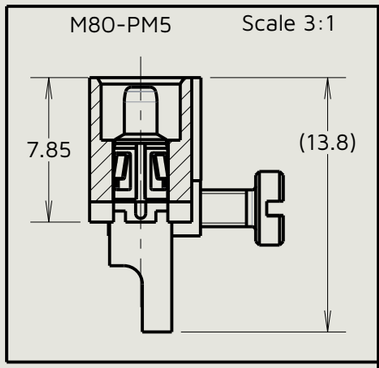
Power Crimp And Solder Contacts Only

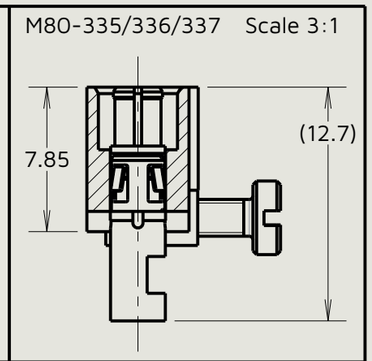












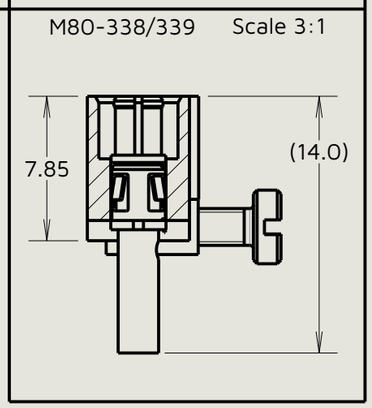


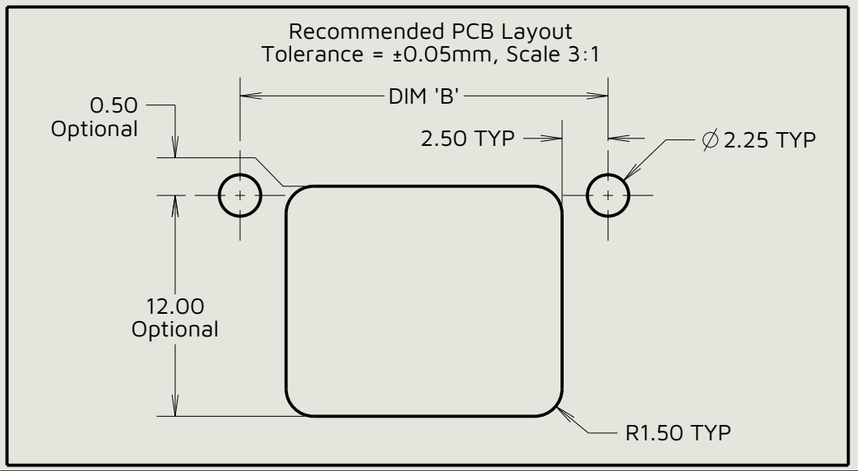
Table 1: Dimension Variants	
Dimension	Calculation
DIM 'A'	4 x No. Of Contacts - 4.00
DIM 'B'	4 x No. Of Contacts + 5.00
DIM 'C'	4 x No. Of Contacts + 10.0

Order Code:

M80-5000000M5-XX-XXX-00-000

Total No. Of Contacts:
02 To 12

Special Contacts:
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



MJ	13	28.01.26	37709
Initials	Rev.	Date	CO
MGP	4	16.07.13	12116

Notes:
1. Connectors are supplied with contacts and Board Mount Screws not assembled.
2. For extra power contacts use part numbers: M80-335/336/337/338/339/PM5.
3. Contact extraction tool = Z80-290
4. Recommended hand crimp tool for contacts: M80-338/339 = Z80-294 and positioner Z80-295.
5. Instruction sheets are available.

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TOLERANCES
X. = ±0.50mm
X.X = ±0.30mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
Angles = ±5°
Unless stated

Third angle projection

Sheet scale: 4:1
Do not scale
Sheet size: A3

MATERIAL:
See Specification

FINISH:
See Specification

Title:
Datamate Mix-Tek Male Right-Angle Boardmount Jackscrew Connector

Drawing number:
M80-5000000M5-XX-XXX-00-000

SHT 5 OF 6

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All dimensions in mm	If in doubt - ask	©

Customer Information Sheet

Specifications:
Material:
Housing: Glass Filled PPS, UL94V-0, Black
Power Contact: Copper Alloy
Coax Contact:
Body, Inner Contact = Copper Alloy
Insulator = PTFE
Jackscrew, Screw = Stainless Steel
Finish:
Power Contact: Gold
Coax Contact: Body, Inner Contact = Gold
Packing:
Tube
For Complete Specification See Component Specification C005XX (Latest Issue)

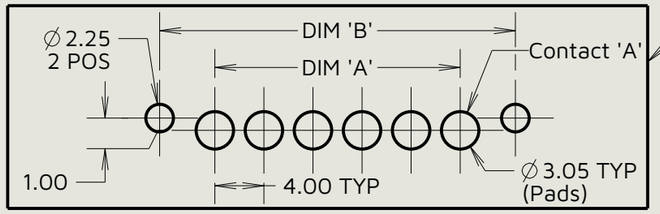
Order Code:

M80-5000000M5-XX-XXX-00-000

Total No. Of Contacts:
02 To 12

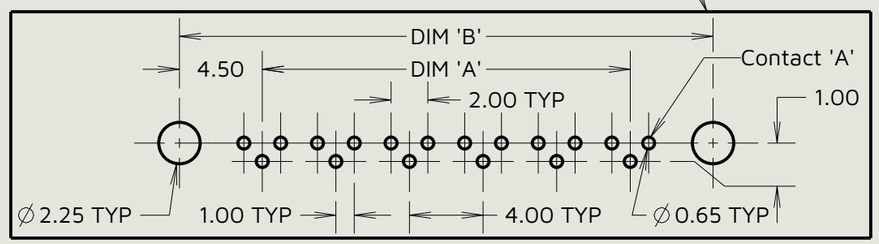
Special Contacts:
313 = Coax Contact 3.0mm PC Tail M80-313
314 = Coax Contact 4.5mm PC Tail M80-314
333 = 20A Power Contact 3.5mm PC Tail M80-333
334 = 20A Power Contact 5.0mm PC Tail M80-334
PM3 = 40A Power Contact 3.5mm PC Tail M80-PM3
PM4 = 40A Power Contact 5.0mm PC Tail M80-PM4
33A = 20A Power Contact Right-Angle SMT M80-33A

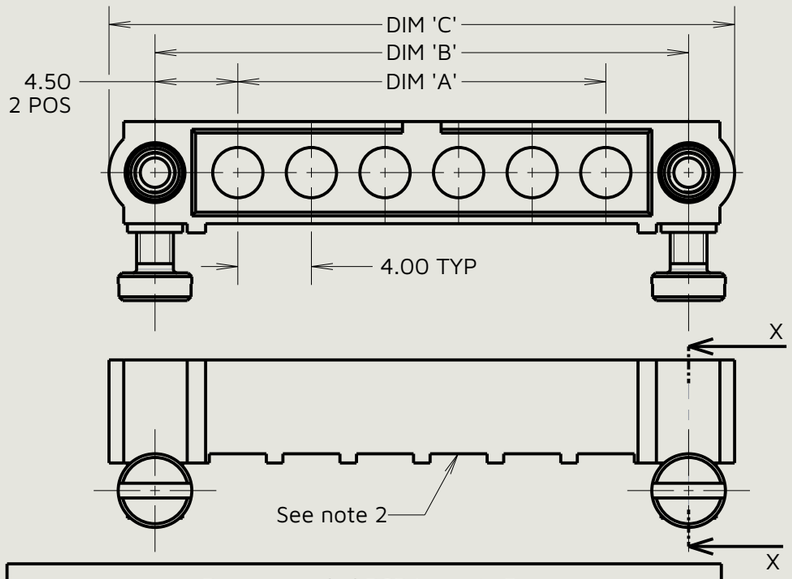
Table 2: Dimension Variants	
Dimension	Calculation
DIM 'A'	4 x No. Of Contacts - 4.00
DIM 'B'	4 x No. Of Contacts + 5.00
DIM 'C'	4 x No. Of Contacts + 10.0
DIM 'D'	M80-313 = 2.7mm, M80-314 = 4.2mm
DIM 'E'	M80-333 = 3.2mm, M80-334 = 4.7mm
DIM 'F'	M80-PM3 = 3.2mm, M80-PM4 = 4.7mm



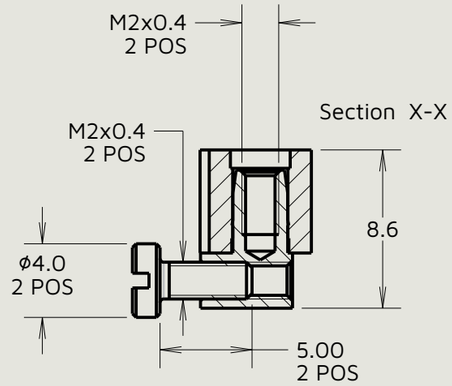
Recommended PCB Layout For SMT Power Contacts: M80-33A
Tolerance = ±0.05mm, Scale 2:1

Recommended PCB Layout For Coax Contacts: M80-313/314
Tolerance = ±0.05mm, Scale 3:1

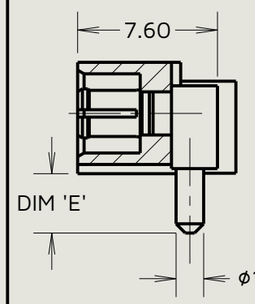




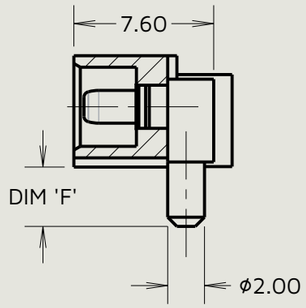
Coax And Power PC Tail Contacts Only



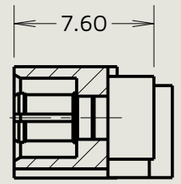
M80-333/334 Scale 3:1



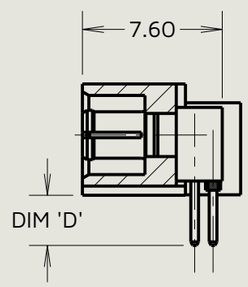
M80-PM3/PM4 Scale 3:1



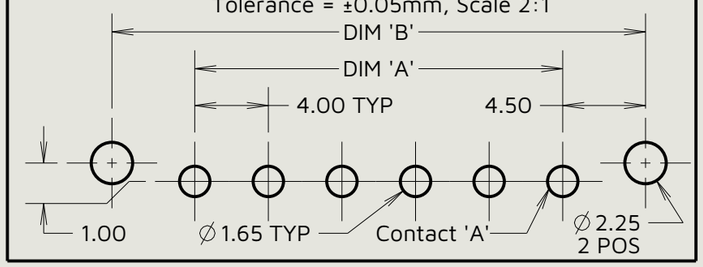
M80-33A Scale 3:1



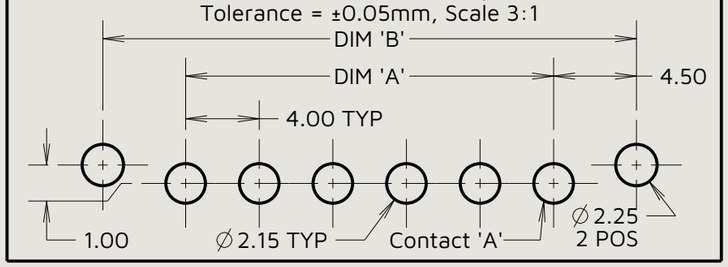
M80-313/M80-314 Scale 3:1



Recommended PCB Layout For Power Contacts: M80-333/334
Tolerance = ±0.05mm, Scale 2:1



Recommended PCB Layouts For Power Contacts: M80-PM3/PM4
Tolerance = ±0.05mm, Scale 3:1



MJ	13	28.01.26	37709
Initials	Rev.	Date	CO
MGP	4	16.07.13	12116

Notes:
1. Connectors are supplied with contacts assembled. Supplied Board Mount Screws are not assembled.
2. Special contacts hidden for illustration purposes, see order code for assembled part numbers.

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TOLERANCES
X. = ±0.50mm
X.X = ±0.30mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
Angles = ±5°
Unless stated

Third angle projection

Sheet scale: 3:1
Do not scale
Sheet size: A3

MATERIAL:
See Specification

FINISH:
See Specification

Title:
Datamate Mix-Tek Male Right-Angle Boardmount Jackscrew Connector

Drawing number:
M80-5000000M5-XX-XXX-00-000

SHT 6 OF 6

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