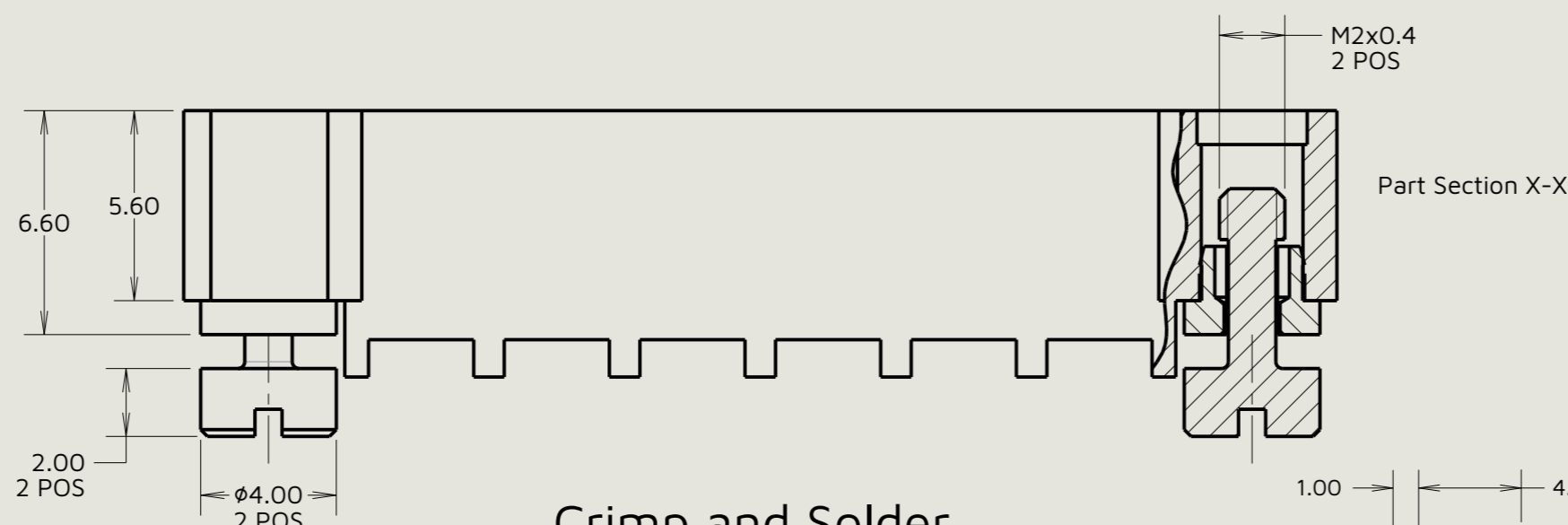
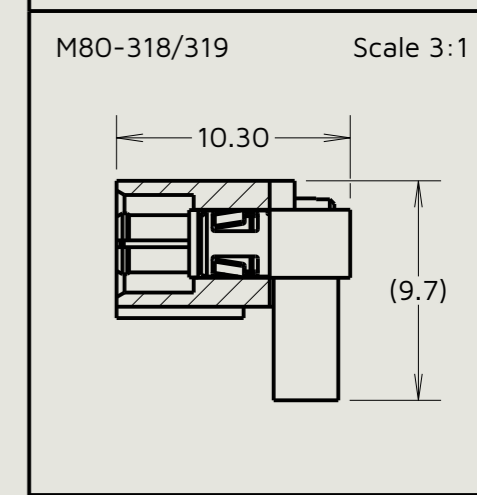
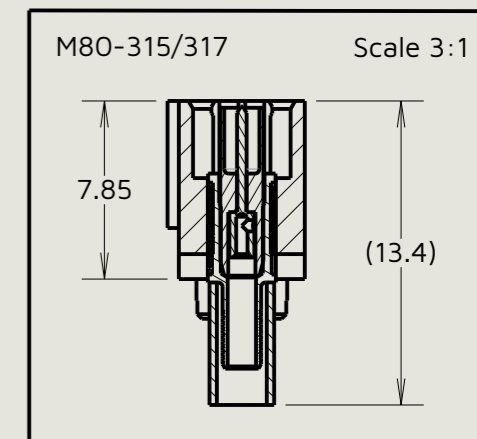
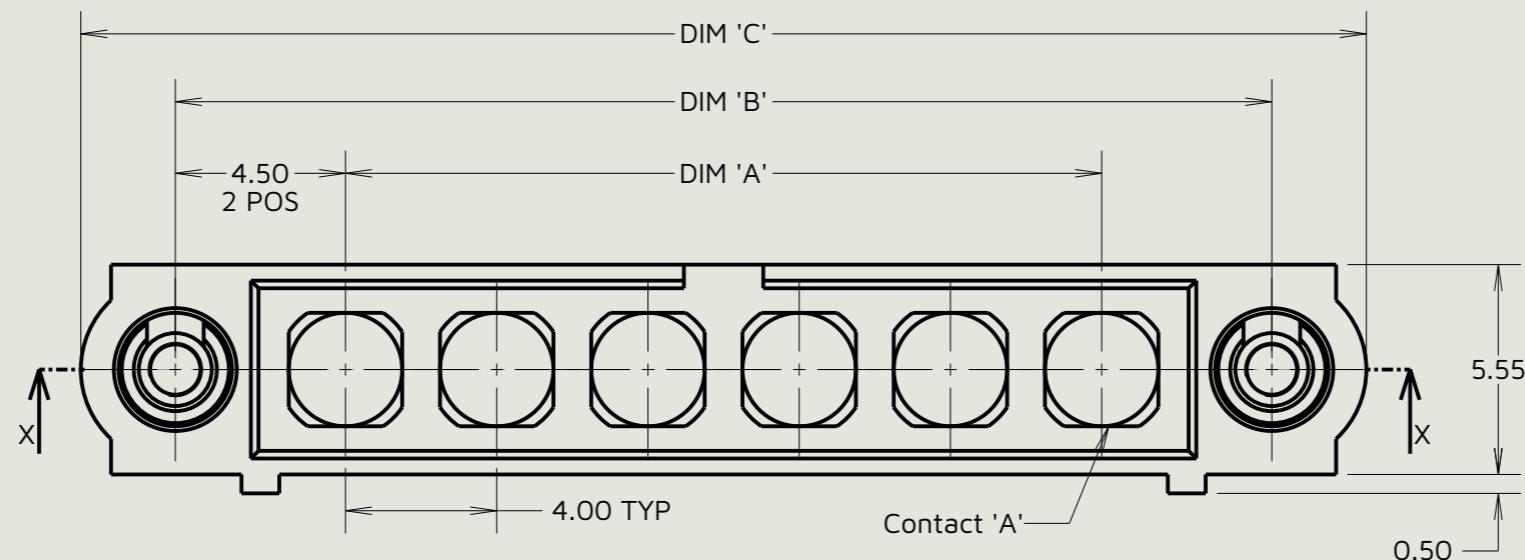


# Customer Information Sheet

**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  
 Board Mount Jackscrew, Nut = 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)



## Crimp and Solder Contacts Only

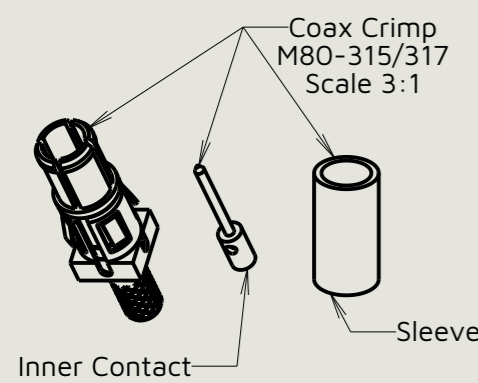
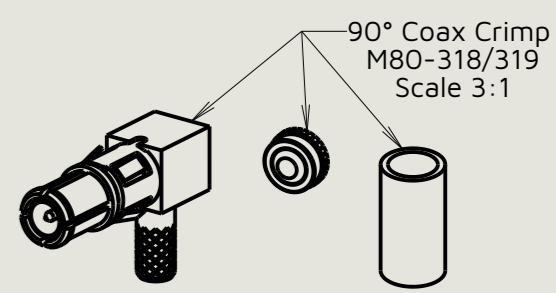
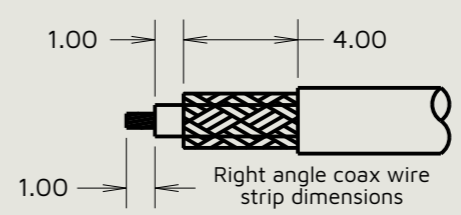
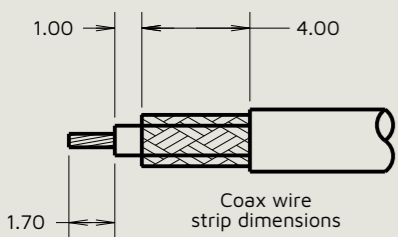


Table 1: Dimension Variants

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:  
**M80-5000000MA-XX-XXX-00-000**

Total No. Of Contacts:  
 02 To 12

Special Contacts:  
 315 = Coax Contact 2.00mm Crimp M80-315  
 317 = Coax Contact 2.70mm Crimp M80-317  
 318 = Coax Contact 2.70mm Right-Angle Crimp M80-318  
 319 = Coax Contact 2.70mm Right-Angle Crimp M80-319

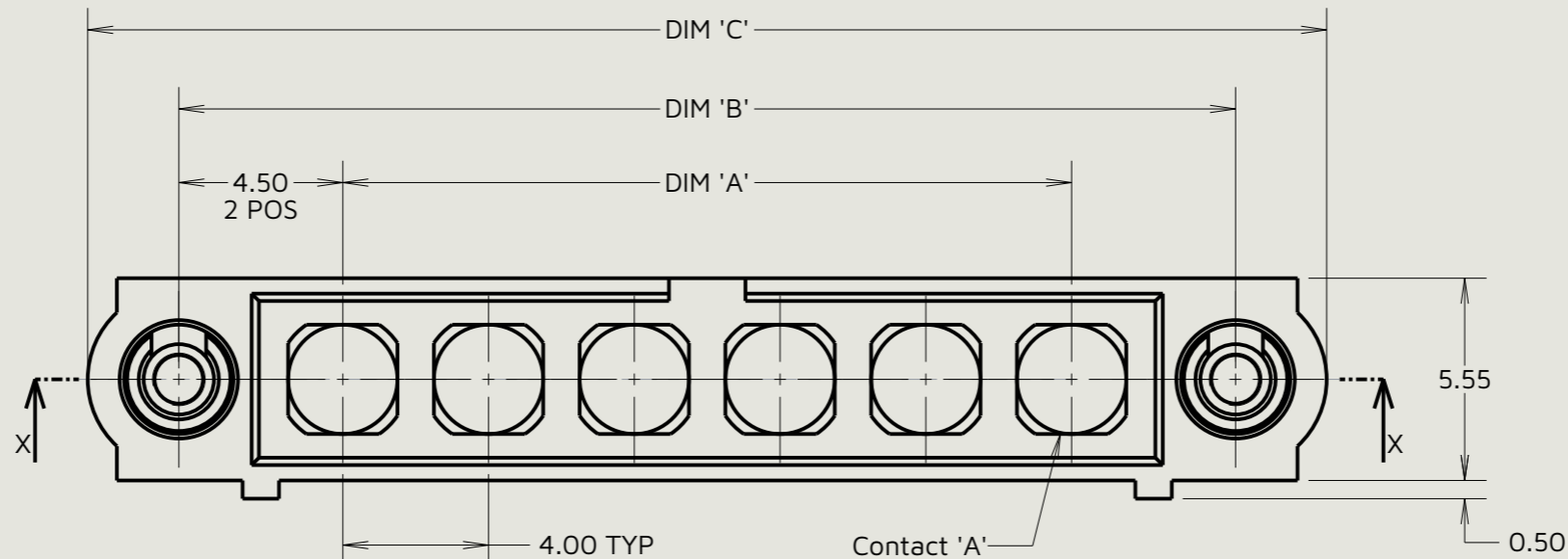
MJ	5	28.01.26	37709
Initials	Rev.	Date	CO
SB	1	19.08.11	11275

- Notes:**
- Connectors are supplied with contacts loose.
  - 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.
  - For extra coax contacts, use part numbers M80-315/317/318/319.
  - Coax 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.
  - M80-5000000MA-06-XXX-00-000 is shown for illustrative purposes only, see order code for variants.

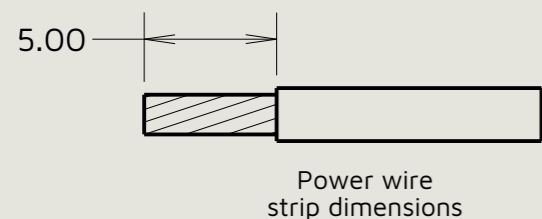
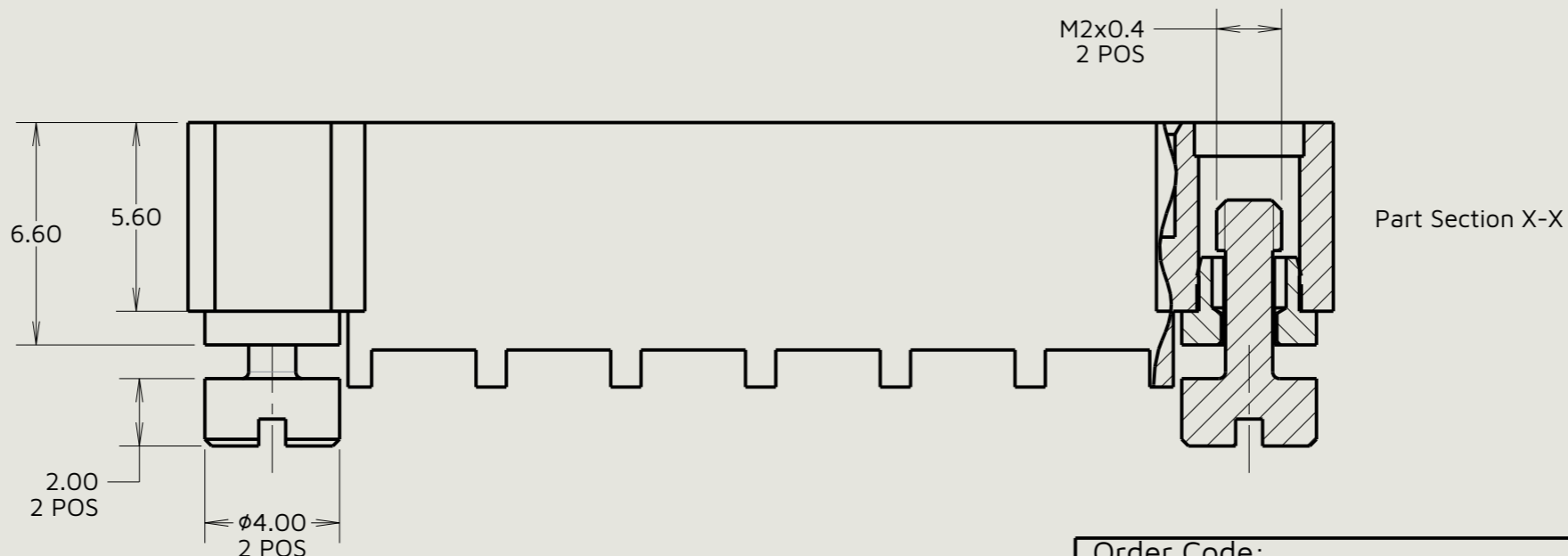
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		Sheet scale: 5:1 Do not scale Sheet size: A3	FINISH: See Specifications	Drawing number: <b>M80-5000000MA-XX-XXX-00-000</b>	SHT 5 OF 8

# Customer Information Sheet

Specifications:  
 Material:  
 Housing: Glass Filled PPS, UL94V-0, Black  
 Power Contact:  
 Body, Sleeve, Inner Contact, End Plug = Copper Alloy  
 Latching Collar = Beryllium Copper  
 Insulator = PTFE  
 Board Mount Jackscrew, Nut = Stainless Steel  
 Finish:  
 Power Contact:  
 Body, Sleeve, Inner Contact, End Plug = Gold  
 Latching Collar = Nickel  
 Packing:  
 Bag  
 For Complete Specification See Component Specification C005XX (Latest Issue)

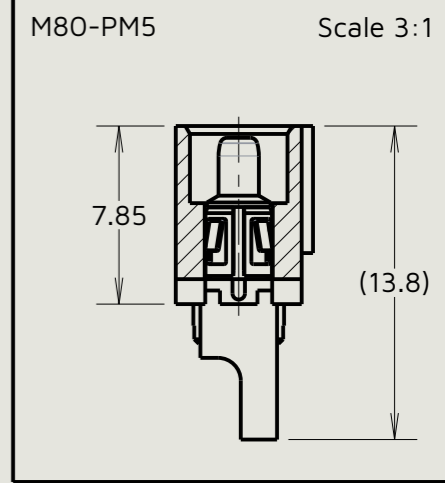
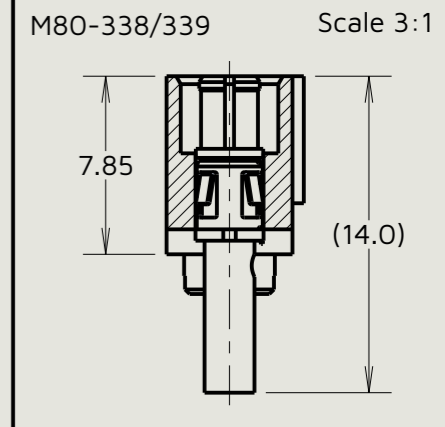
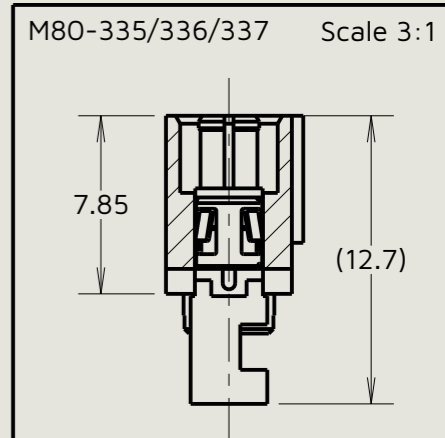


**Crimp and Solder Contacts Only**



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:  
**M80-5000000MA-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	5	28.01.26	37709
Initials	Rev.	Date	CO
SB	1	19.08.11	11275

Notes:  
 1. Connectors are supplied with contacts loose.  
 2. For extra power contacts use part numbers M80-335/336/337/338/339/PM5.  
 3. Power 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.  
 6. M80-5000000MA-06-XXX-00-000 is shown for illustration purposes only, see order code for variants.

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		SHT 6 OF 8			

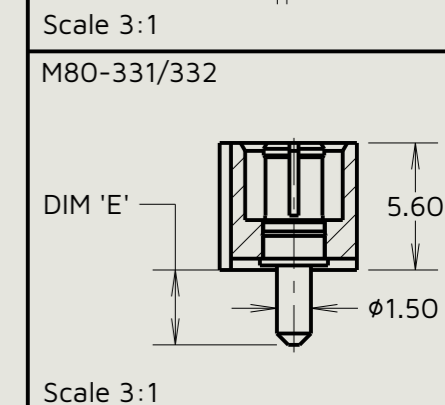
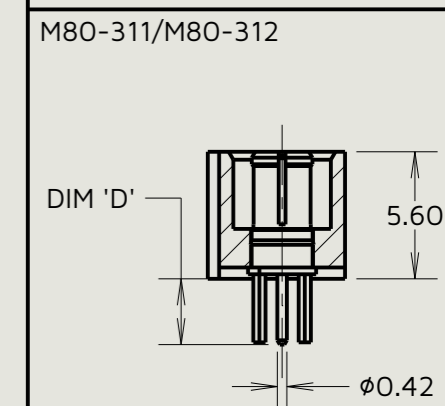
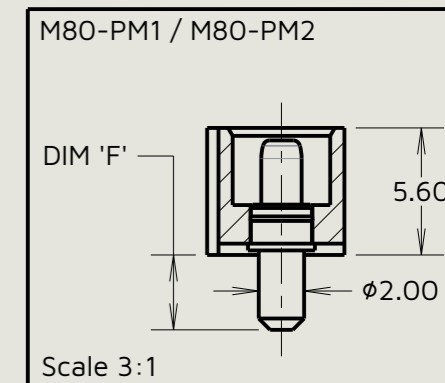
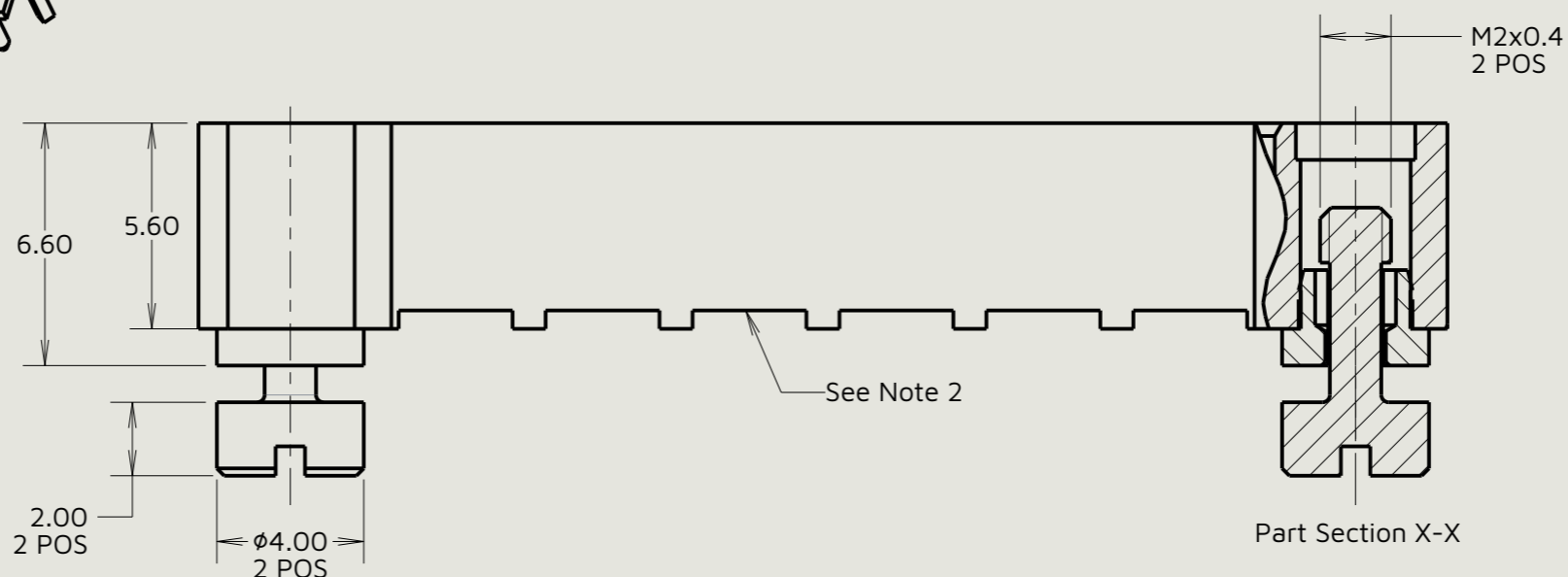
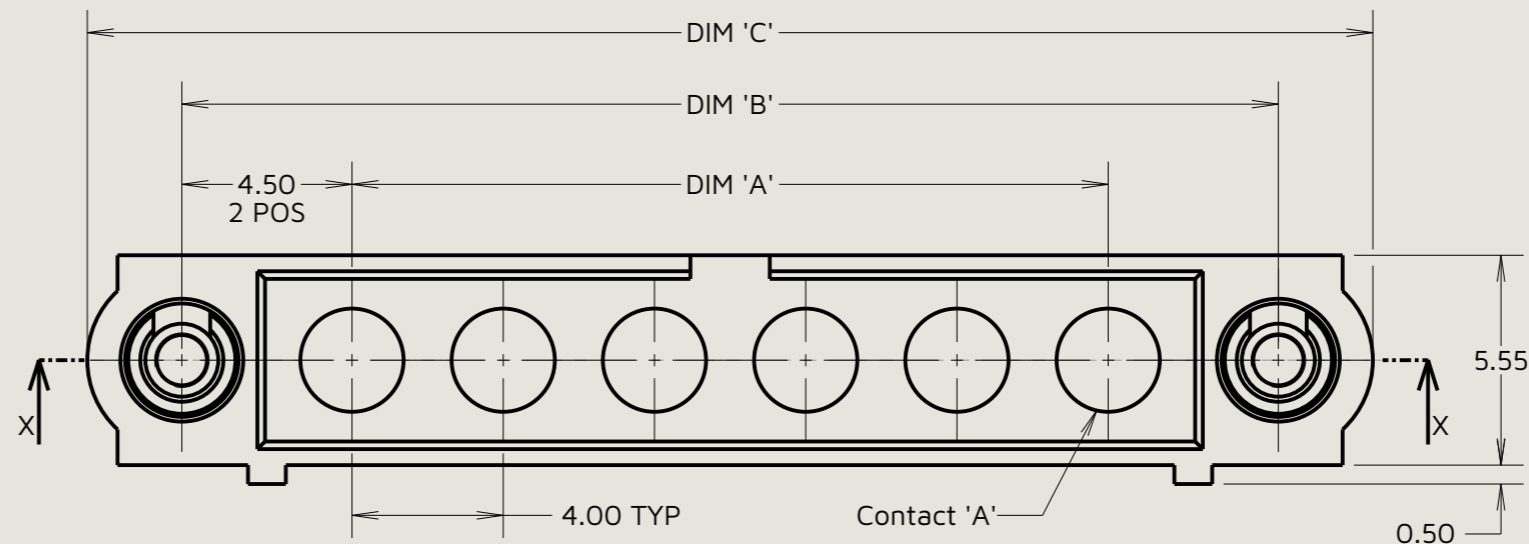
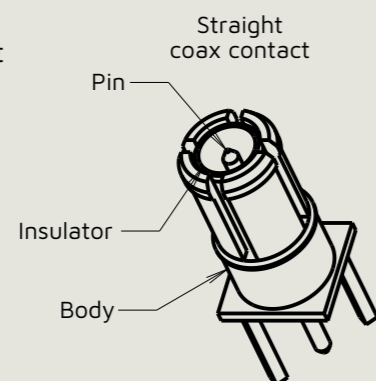
# Customer Information Sheet

**Specifications:**

**Material:**  
 Housing: Glass Filled PPS, UL94V-0, Black  
 Power Contact: Copper Alloy  
 Coax Contact:  
 Body = Copper Alloy  
 Inner Contact = Copper Alloy  
 Insulator = PTFE  
 Board Mount Jackscrew, Nut = Stainless Steel

**Finish:**  
 Power Contact: Gold  
 Coax Contact: Body, Inner Contact = Gold  
**Packing:**  
 Tube  
 For Complete Specification See Component Specification C005XX (Latest Issue)

## PC Tail Contacts Only



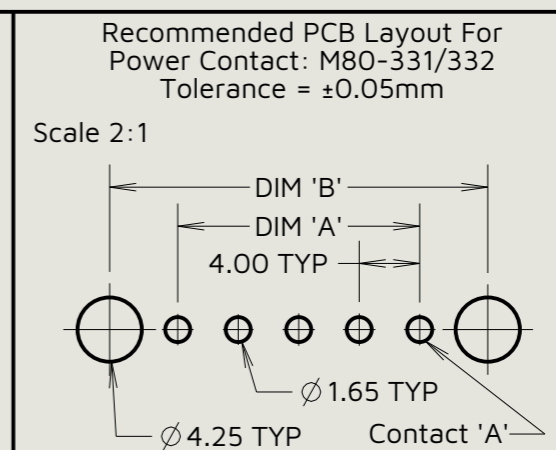
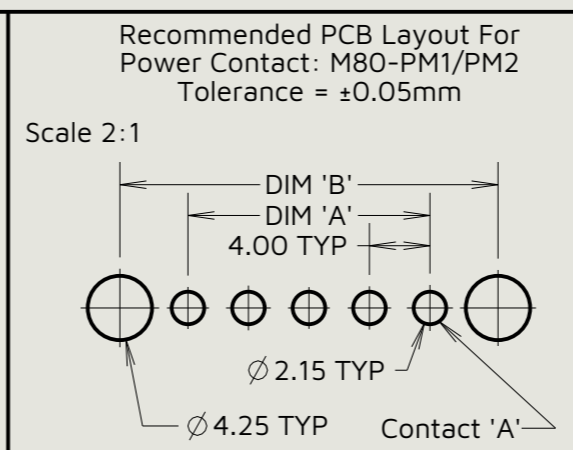
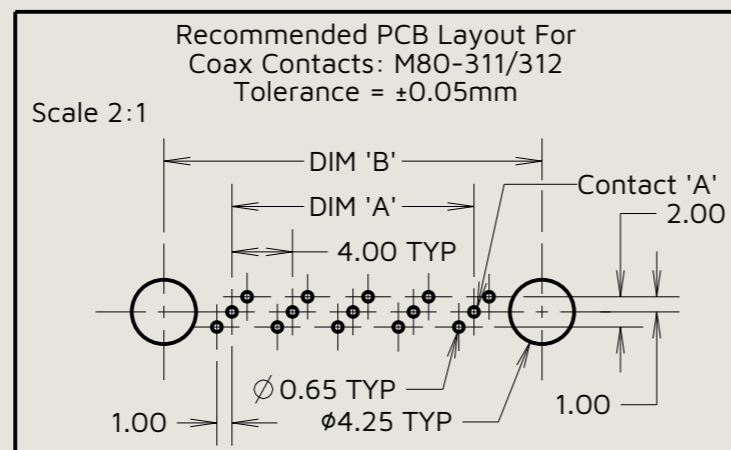
Dimension	Calculation
DIM 'A'	4 x No. Of Contacts - 4.00
DIM 'B'	4 x No. Of Contacts + 5.00
DIM 'C'	4 x No. Of Contacts + 10.0
DIM 'D'	M80-311 = 2.9mm, M80-312 = 4.4mm
DIM 'E'	M80-331 = 3.3mm, M80-332 = 4.8mm
DIM 'F'	M80-PM1 = 3.3mm, M80-PM2 = 4.8mm

**Order Code:**  
**M80-5000000MA-XX-XXX-00-000**

Total No. Of Contacts: \_\_\_\_\_  
 02 To 12

Special Contacts: \_\_\_\_\_

311 = Coax Contact 3.0mm PC Tail M80-311  
 312 = Coax Contact 4.5mm PC Tail M80-312  
 331 = 20A Power Contact 3.5mm Straight PC Tail M80-331  
 332 = 20A Power Contact 5.0mm Straight PC Tail M80-332  
 PM1 = 40A Power Contact 3.5mm Straight PC Tail M80-PM1  
 PM2 = 40A Power Contact 5.0mm Straight PC Tail M80-PM2



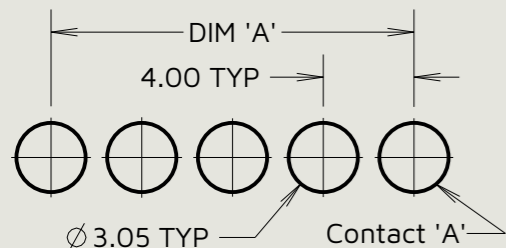
MJ	5	28.01.26	37709
Initials	Rev.	Date	CO
SB	1	19.08.11	11275

**Notes:**  
 1. M80-5000000MA-06-XXX-00-000 is shown for illustration purposes only, see order code for variants.  
 2. Contacts are hidden for illustration purposes.

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		Sheet scale: 5:1 Do not scale Sheet size: A3	<b>FINISH:</b> See Specifications	Drawing number: <b>M80-5000000MA-XX-XXX-00-000</b>	SHT 7 OF 8

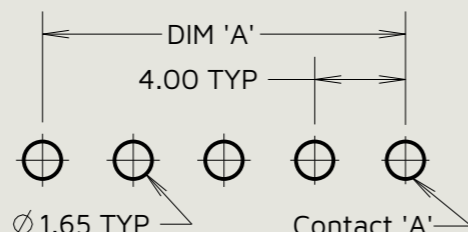
# Customer Information Sheet

Recommended PCB Layout For Power SMT  
Tolerance = ±0.05mm, Scale 3:1  
Solder Pads Shown Below



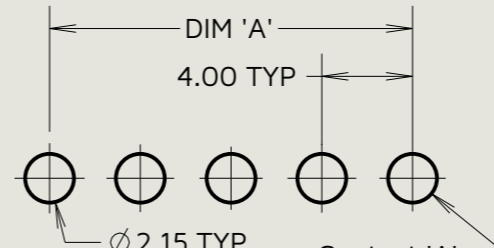
Scale 3:1

Recommended PCB Layout For Power M80-333/334  
Tolerance = ±0.05mm, Scale 3:1  
Through Holes Shown Below



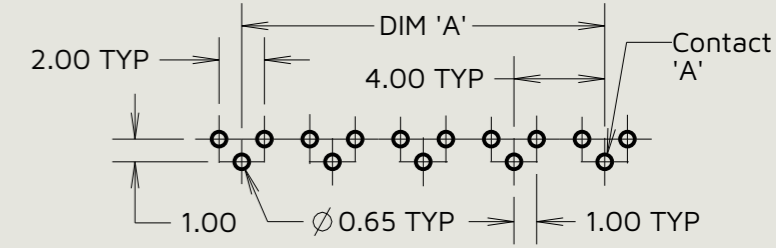
Scale 3:1

Recommended PCB Layout For Power Contacts: M80-PM3/PM4  
Tolerance = ±0.05mm, Scale 3:1  
Through Holes Shown Below



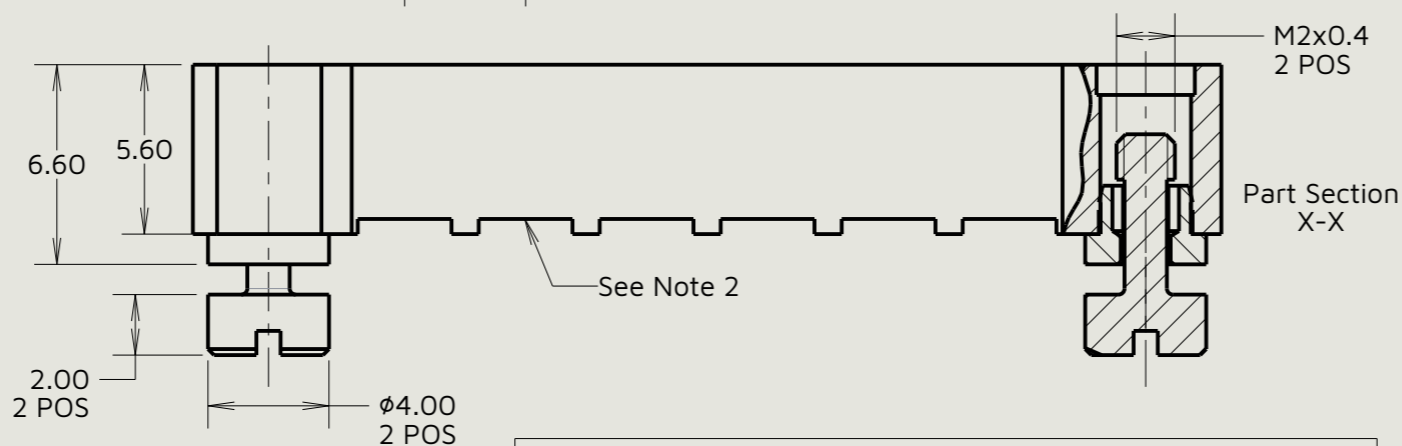
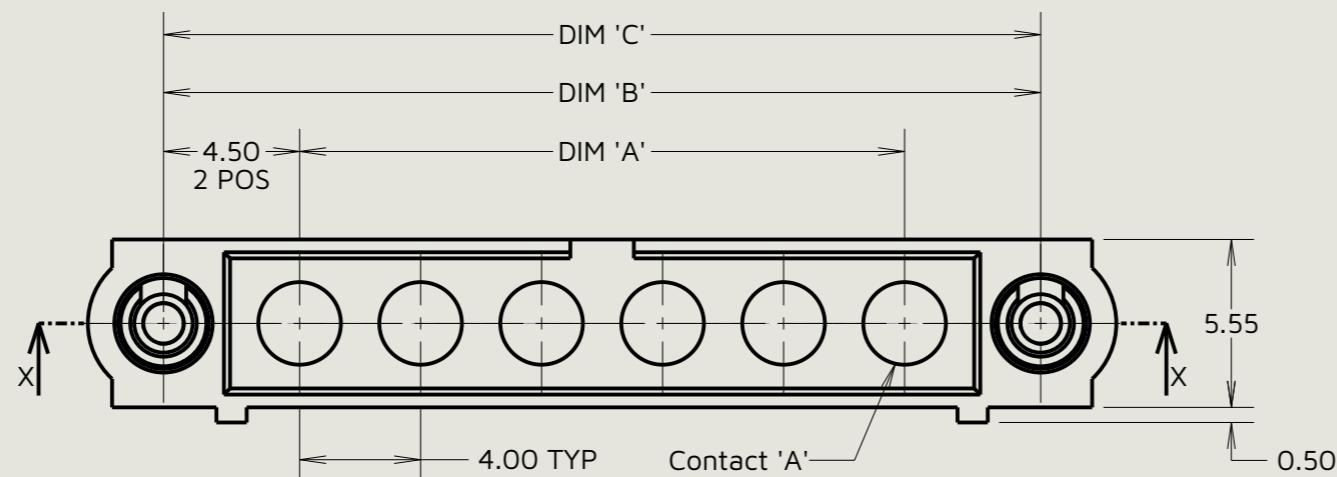
Scale 3:1

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

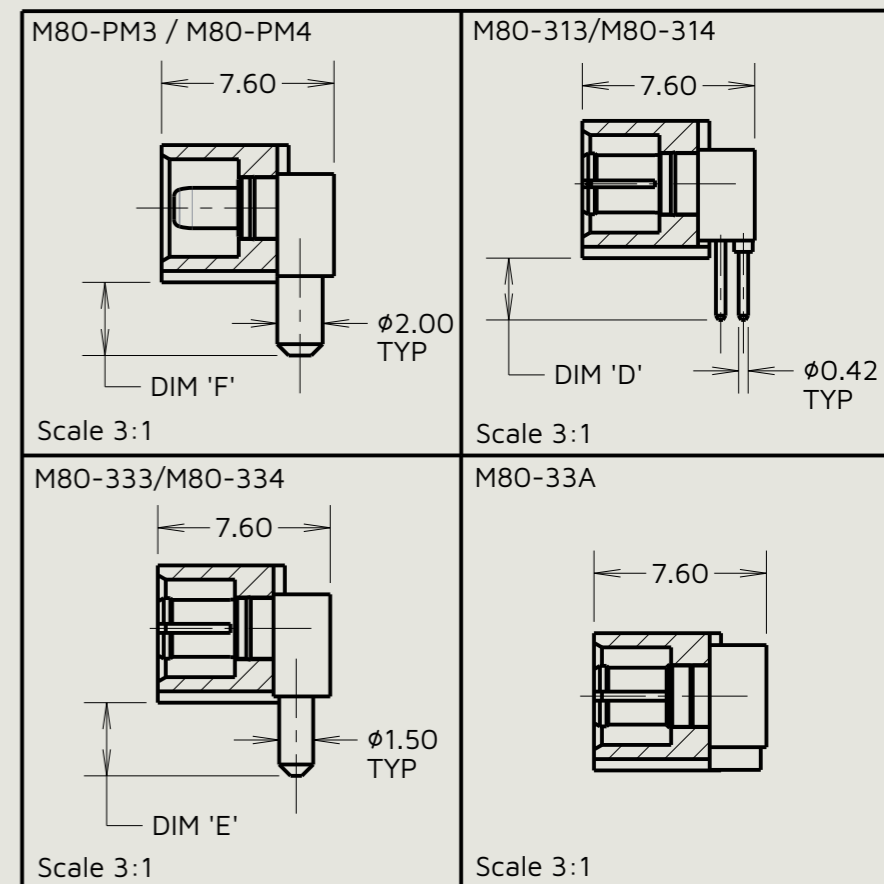


Scale 3:1

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



PC Tail and SMT  
Contacts Only

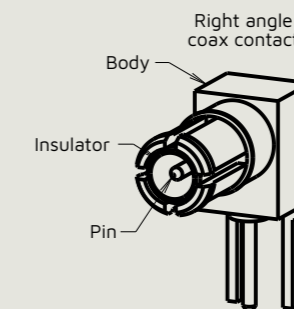


Order Code:  
**M80-5000000MA-XX-XXX-00-000**

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 Right Angle PC Tail M80-333  
334 = 20A Power Contact 5.0mm Right Angle PC Tail M80-334  
PM3 = 40A Power Contact 3.5mm Right Angle PC Tail M80-PM3  
PM4 = 40A Power Contact 5.0mm Right Angle PC Tail M80-PM4  
33A = Power Contact Right Angle SMT M80-33A

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



MJ	5	28.01.26	37709
Initials	Rev.	Date	CO
SB	1	19.08.11	11275

Notes:  
1. M80-5000000MA-06-XXX-00-000 is shown for illustration purposes only, see order code for variants.  
2. Contacts are hidden for illustration purposes.

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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 Specifications  
FINISH:  
See Specifications

Title:  
Datamate Mix Tek Male Plug Reverse Fix Slotted Jackscrew Connector  
Drawing number:  
**M80-5000000MA-XX-XXX-00-000**  
SHT 8 OF 8