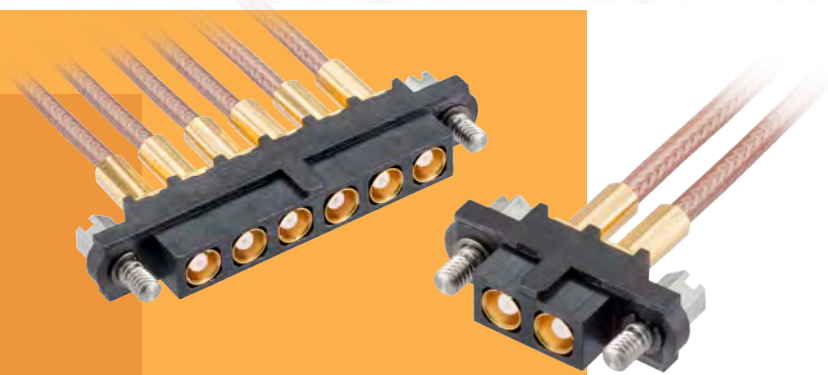


# Datamate Connectors

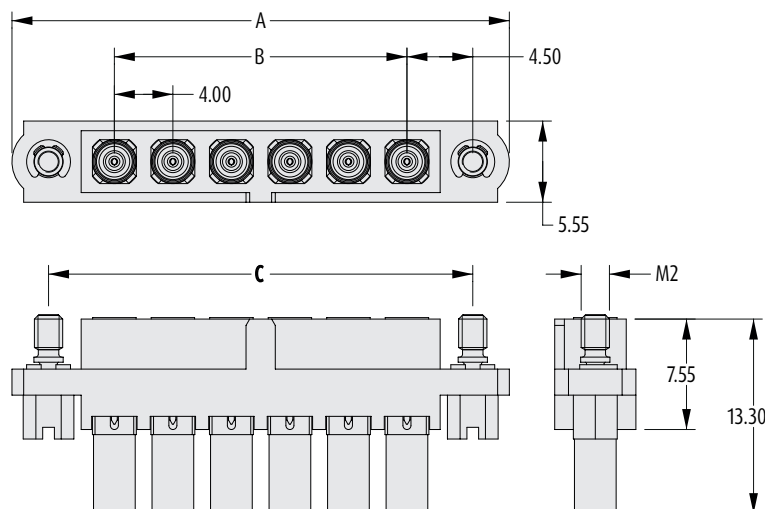
**Datamate Coax**

## Jack (Female) Crimp

- ❖ A selection of stocked jack cable connectors in standard layouts.
- ❖ 6GHz, 50Ω Coax contacts, suitable for RG178 cable.
- ❖ Crimp tooling on pages 87 to 89.
- ❖ Polarised mouldings.
- ❖ Hexagonal slotted jackscrew style.
- ❖ Mates with plug connectors on pages 81b and 81c.



### CABLE

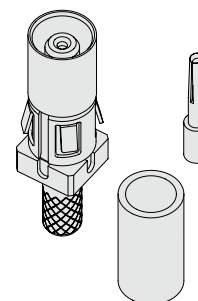


### CALCULATION

<b>A</b>	$B + 14$
<b>B</b>	$(\text{No. of Coax contacts} - 1) \times 4$
<b>C</b>	$B + 9$

For Spare Contacts, use Order Code:

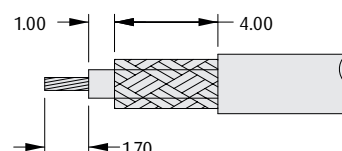
**M80-305**



### TOOLS

**Recommended Crimp Tool** - Z80-292, Z80-293  
**Positioner** - Z80-291 (use with Z80-292)  
**Contact Removal Tool** - Z80-290  
 See pages 87 to 89  
 ❖ Instruction sheets available at [www.harwin.com/instructions](http://www.harwin.com/instructions)

### WIRE STRIPPING DETAILS



### HOW TO ORDER



**M80 - FC 305 F1 - XX**

#### COAX CONTACT TYPE

**305** Ø2.00mm cable

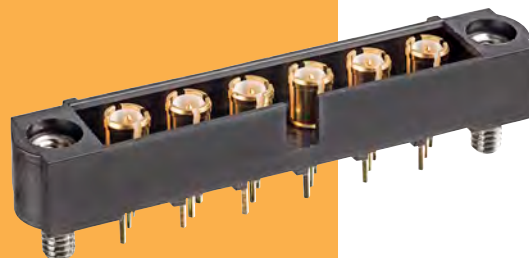
#### NO. OF COAX CONTACTS

**02, 04, 06, 08**

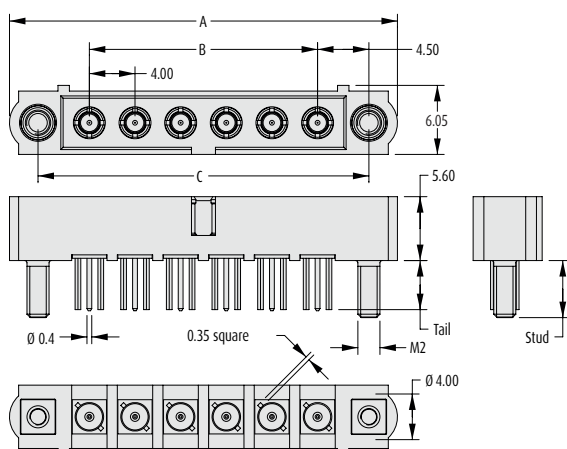
All dimensions in mm.

### Plug (Male) Vertical PC Tail

- ❖ Stocked coax connectors in vertical orientation, with board-mount jackscrews for added security.
- ❖ 6GHz, 50Ω Coax contacts.
- ❖ Choice to suit two PCB thicknesses.
- ❖ Order board mount nuts separately: **M80-2130000B**
- ❖ Screwdriver **Z80-298** available for assembling jackscrew nuts (see page 88).
- ❖ Mates with jack connectors on page 81a.

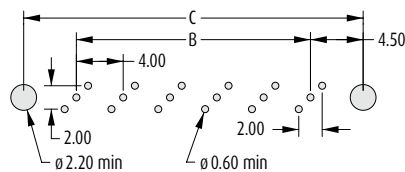


#### VERTICAL



#### CALCULATION

<b>A</b>	B + 14
<b>B</b>	(No. of Coax contacts - 1) x 4
<b>C</b>	B + 9



Recommended PCB Pattern

#### HOW TO ORDER



**M80 - MV 3XX MX - XX**

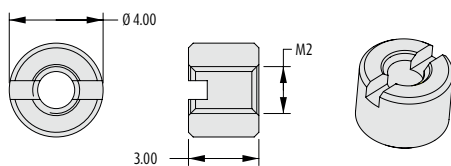
#### TYPE

<b>311M2</b>	3mm Tail with 3.5mm Board Mount Stud
<b>312M3</b>	4.5mm Tail with 5mm Board Mount Stud

#### NO. OF COAX CONTACTS

**02, 04, 06, 08**

#### REQUIRED HARDWARE



Order separately from connector

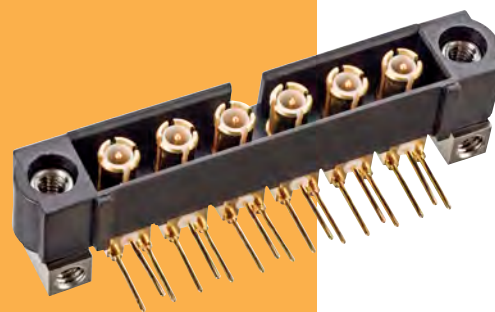
#### ORDER CODE

**M80-2130000B**

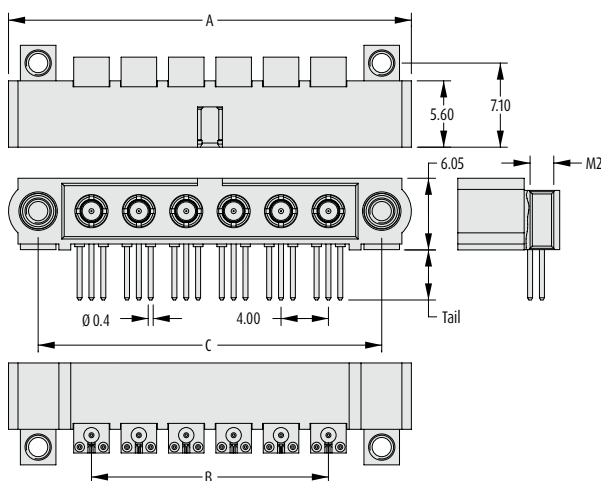
All dimensions in mm.

### Plug (Male) Horizontal PC Tail

- ❖ Stocked coax connectors in horizontal orientation, with board-mount jackscrews for added security.
- ❖ 6GHz, 50Ω Coax contacts.
- ❖ Choice to suit two PCB thicknesses.
- ❖ Order board mount bolts separately: **M80-2270000B**
- ❖ Mates with jack connectors on page 81a.

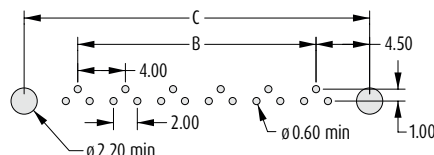


#### HORIZONTAL



#### CALCULATION

<b>A</b>	B + 14
<b>B</b>	(No. of Coax contacts - 1) x 4
<b>C</b>	B + 9



Recommended PCB Pattern

#### HOW TO ORDER



**M80 - MH 3XX M5 - XX**

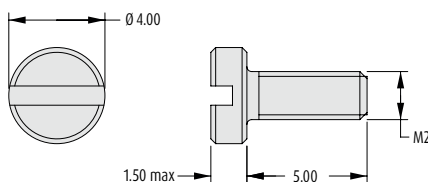
#### TYPE

<b>313</b>	3mm PC Tail
<b>314</b>	4.5mm PC Tail

#### NO. OF COAX CONTACTS

**02, 04, 06, 08**

#### REQUIRED HARDWARE



Order separately from connector

#### ORDER CODE

**M80-2270000B**

All dimensions in mm.