Ph +612 9482 1944 - Email sales@clarke.com.au - www.clarke.com.au - webshop www.cseonline.com.au





# Datamate Mix-Tek Specification

#### Materials

**Housings:** Glass-filled thermoplastic UL94V-0 **Female contacts:** Brass shell, with Beryllium Copper

inner contact

2.2A max (at 85°C)

Male contacts: Copper alloy

Finish: See individual pages

#### > Electrical

Current

Individual contacts in isolation: 3.3A max (at 25°C) 2.6A max (at 85°C) All contacts simultaneously: 3.0A max (at 25°C)

Working voltage

At sea level 1013 mbar: 800V DC or ACrms

Voltage proof

At sea level 1013 mbar: 1,200V DC or ACrms

Contact resistance

Initial:  $20m\Omega$  max After conditioning:  $25m\Omega$  max

Insulation resistance

 $\begin{array}{ll} \text{Initial:} & \text{1,000M}\Omega \text{ min} \\ \text{After conditioning:} & \text{100M}\Omega \text{ min} \\ \end{array}$ 

#### **→** Mechanical

**Durability:** 500 operations

Insertion force (max): 2.8N Withdrawal force (min): 0.2N

Signal crimp accommodation: 22 AWG to 28 AWG

BS 3G 210 Type A

#### Environmental

**Environmental classification**: 55/125/56 days at 95% RH

**Operational temperature:** -55°C to +125°C

\*Vibration sensitivity: 10Hz to 2000Hz, 0.75mm, 98m/s² (10G), duration 6h

\*Bump severity: 390m/s² (40G), 4000 ±10 bumps

\*Shock severity: 981m/s² (100G) for 6ms

\*Acceleration severity: 490m/s<sup>2</sup> (50G)

# **Power Contacts**

#### ⇒ Materials

Latching collar: Beryllium Copper, Nickel plated
Other metallic parts: Copper alloy, Gold plated

#### Electrical

Current (in isolation)

32x, 33x: 20A max

PFx, PMx: 40A nominal, up to 80A max

**Contact resistance**: 6mΩ max

#### **∴** Mechanical

Insertion force (max)

32x, 33x: 8N PFx, PMx: 15N Withdrawal force (min): 0.5N

Contact replacement

in connector: 5 times

Power contact accommodation

32x, 33x: 12 to 20 AWG PFx, PMx: 10 AWG

All dimensions in mm.

# **Coax Contacts**

#### Materials

Latching collar: Beryllium Copper, Nickel plated
Other metallic parts: Copper alloy, Gold plated

Insulator: PTFE

#### Electrical

Frequency range: 6GHz (depending on cable)

Impedance: 500

VSWR: 1.05 + (0.04 x Frequency) GHz max

Operating voltage (sea level): 180V AC at 500mA Maximum voltage (sea level): 1000V ACms Contact resistance:  $6m\Omega$  max

Insulation resistance:  $10^6 M\Omega$  at 250V ACrms

#### Mechanical

Insertion force (max): 8N Withdrawal force (min): 0.5N

Contact replacement

in connector: 5 times

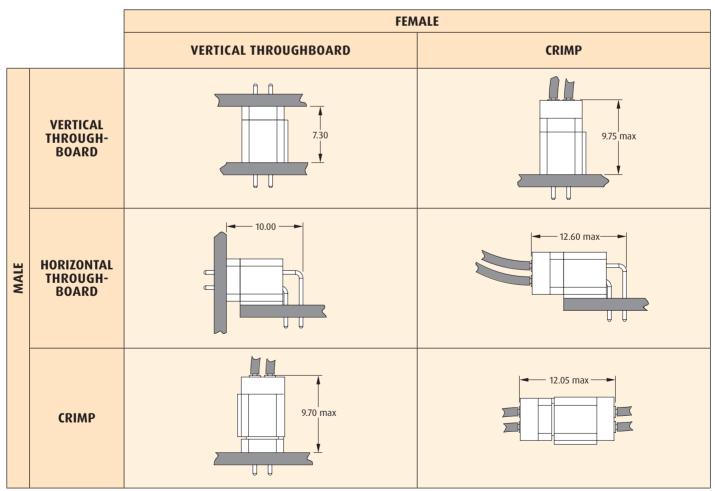


<sup>\*</sup> Tested with connectors with Jackscrews.

# Datamate Mix-Tek Pin Numbering

	FEMALE	MALE
POWER OR COAX ONLY	D C B A	A B C D
SIGNAL AND POWER	6 5 4 B A	A B 456 123

# **Mating Profiles**





Standard high-reliability connectors fitted with power contacts on 4mm pitch.

			ТҮРЕ	
		Cable Assemblies	Female Cable - Hex Slotted Jackscrews	Male Horizontal 3.5mm PC Tail - 5mm Board Mount Jackcrew
	2 Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FC325F1-02-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MC335M1-02-0150L	M80-4000000F1-02-325-00-000	M80-5000000M5-02-333-00-000
	4 Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FC325F1-04-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MC335M1-04-0150L	M80-4000000F1-04-325-00-000	M80-5000000M5-04-333-00-000
. NO. OF CONTACTS	6 Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FC325F1-06-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MC335M1-06-0150L	M80-4000000F1-06-325-00-000	M80-5000000M5-06-333-00-000
	8 Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FC325F1-08-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MC335M1-08-0150L	M80-4000000F1-08-325-00-000	M80-5000000M5-08-333-00-000
	10 Power		M80-4000000F1-10-325-00-000	M80-5000000M5-10-333-00-000
T01A	2 High Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FCPF5F1-02-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MCPM5M1-02-0150L	M80-4000000F1-02-PF5-00-000	M80-5000000M5-02-PM3-00-000
	4 High Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FCPF5F1-04-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MCPM5M1-04-0150L	M80-4000000F1-04-PF5-00-000	M80-5000000M5-04-PM3-00-000
	6 High Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FCPF5F1-06-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MCPM5M1-06-0150L	M80-4000000F1-06-PF5-00-000	M80-5000000M5-06-PM3-00-000
	8 High Power	Female Single Ended (Female to Cut End) Hex Socket Jackscrews M80-FCPF5F1-08-0150L Male Single Ended (Male to Cut End) Jackscrew Fixing M80-MCPM5M1-08-0150L		



Standard high-reliability connectors fitted with power contacts on 4mm pitch.

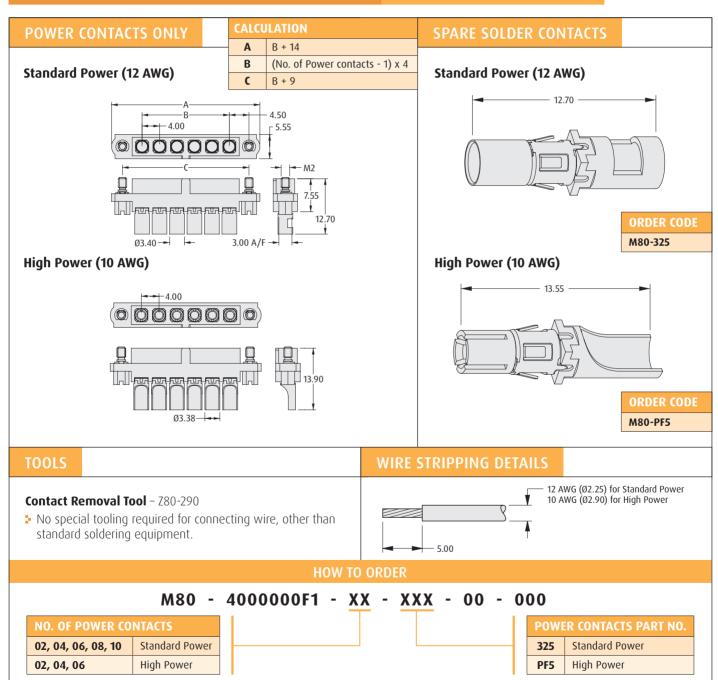
			ТҮРЕ	
		Male Vertical 3.5mm Tail - Jackscrew Fixing	Male Vertical 3.5mm Tail - 3.5mm Board Mount Jackcrew	Male Vertical 5mm Tail - 5mm Board Mount Jackcrew
	2 Power	M80-5000000M1-02-331-00-000	M80-5000000M2-02-331-00-000	M80-5000000M3-02-332-00-000
	4 Power	M80-5000000M1-04-331-00-000	M80-5000000M2-04-331-00-000	M80-5000000M3-04-332-00-000
	6 Power		M80-5000000M2-06-331-00-000	M80-5000000M3-06-332-00-000
OF CONTACTS	8 Power		M80-5000000M2-08-331-00-000	M80-5000000M3-08-332-00-000
TOTAL NO. 0	10 Power		M80-5000000M2-10-331-00-000	W80-2000000W3-10-335-00-000
	2 High Power	M80-5000000M1-02-PM1-00-000	M80-5000000M2-02-PM1-00-000	
	4 High Power	M80-5000000M1-04-PM1-00-000	M80-5000000M2-04-PM1-00-000	
	6 High Power	M80-5000000M1-06-PM1-00-000	M80-5000000M2-06-PM1-00-000	



#### Female Power Cable Connector Kit

- ➤ Part numbers are for a complete kit of a housing and the applicable number of contacts.
- ▶ Hexagonal slotted jackscrews are assembled where specified.
- ▶ Polarized housings.
- Standard Power contacts rated to 20A, High Power to 40A.



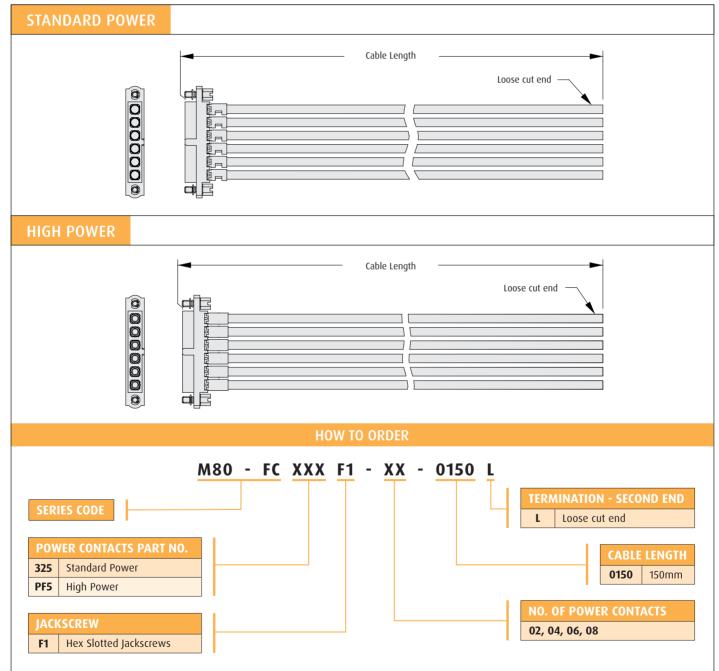




### **Female Cable Assemblies**

- Fully assembled connectors, fixings and cable in standard configurations.
- Standard Power contacts are rated to 20A, and are fitted with 12AWG, white PTFE-insulated cables.
- ♣ High Power are rated to 40A nominal, up to 80A max. Fitted with 10AWG, white PTFE-insulated cables.



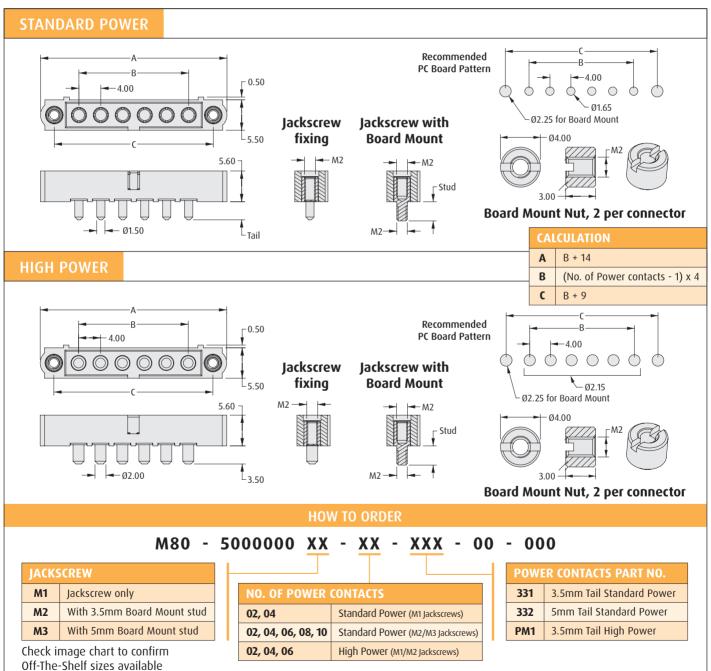




## Male Vertical Throughboard

- A selection of stocked Datamate Mix-Tek solder tail standard layouts.
- Choice to suit two PCB thicknesses and two stud lengths
- Standard Power contacts rated to 20A.
- ▶ High Power rated to 40A nominal, up to 80A max.

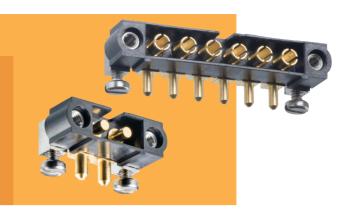


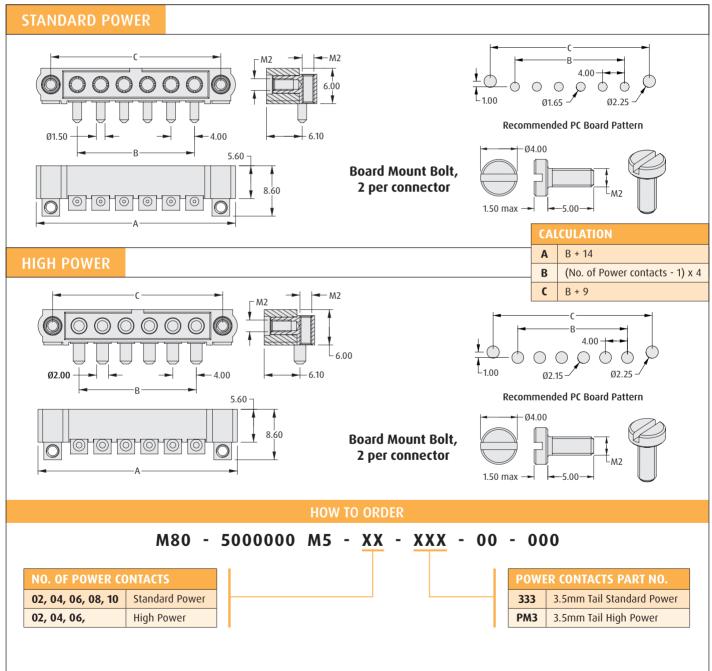




## Male Horizontal Throughboard

- Choice to suit two PCB thicknesses and two stud lengths.
- Standard Power contacts rated to 20A
- ▶ High Power rated to 40A nominal, up to 80A max.



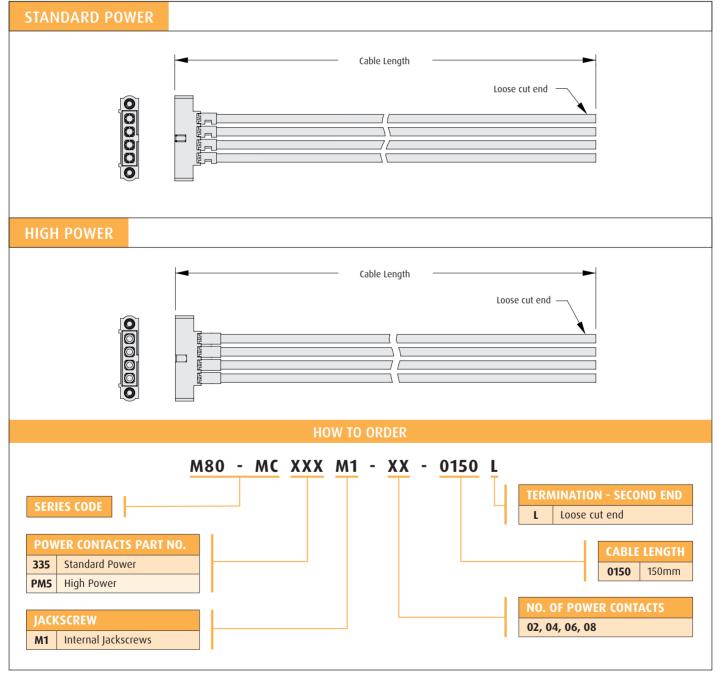




#### Male Cable Assemblies

- ► Fully assembled connectors, fixings and cable in standard configurations.
- Standard Power contacts are rated to 20A, and are fitted with 12AWG, white PTFE-insulated cables.
- ► High Power are rated to 40A nominal, up to 80A max. Fitted with 10AWG, white PTFE-insulated cables.







Standard high-reliability connectors fitted with a combination of signal and 20A power contacts.

			ТҮРЕ		
			Female Cable - Hex Slotted Jackscrews	Male Horizontal 3mm Tail - 5mm Board Mount Jackcrew	
		2 Signal	M80-4C10205F1-02-325-00-000		
		4 Signal	M80-4C10405F1-02-325-00-000	M80-5L10405M5-02-333-00-000	
	2 Power	6 Signal	M80-4C10605F1-02-325-00-000		
		8 Signal	M80-4C10805F1-02-325-00-000		
OF CONTACTS		12 Signal	M80-4C11205F1-02-325-00-000		
TOTAL NO. 0		2 Signal	M80-4C10205F1-04-325-00-000		
		4 Signal	M80-4C10405F1-04-325-00-000	M80-5L10405M5-04-333-00-000	
	4 Power	6 Signal	M80-4C10605F1-04-325-00-000		
		8 Signal	M80-4C10805F1-04-325-00-000		
		12 Signal	M80-4C11205F1-04-325-00-000		



Standard high-reliability connectors fitted with a combination of signal and 20A power contacts.

			TY	PE
			Male Vertical 3mm Tail - Jackscrew fixing	Male Vertical 3mm Tail - 3.5mm Board Mount Jackcrew
		2 Signal	M80-5T10205M1-02-331-00-000	M80-5T10205M2-02-331-00-000
		4 Signal	M80-5T10405M1-02-331-00-000	M80-5T10405M2-02-331-00-000
	2 Power	6 Signal	M80-5T10605M1-02-331-00-000	
		8 Signal	M80-5T10805M1-02-331-00-000	
OF CONTACTS		12 Signal	M80-5T11205M1-02-331-00-000	
TOTAL NO. 0		2 Signal	M80-5T10205M1-04-331-00-000	M80-5T10205M2-04-331-00-000
		4 Signal	M80-5T10405M1-04-331-00-000	M80-5T10405M2-04-331-00-000
	4 Power	6 Signal	M80-5T10605M1-04-331-00-000	M80-5T10605M2-04-331-00-000
		8 Signal	M80-5T10805M1-04-331-00-000	M80-5T10805M2-04-331-00-000
		12 Signal	M80-5T11205M1-04-331-00-000	



## Female Power/Signal Cable Connector Kit

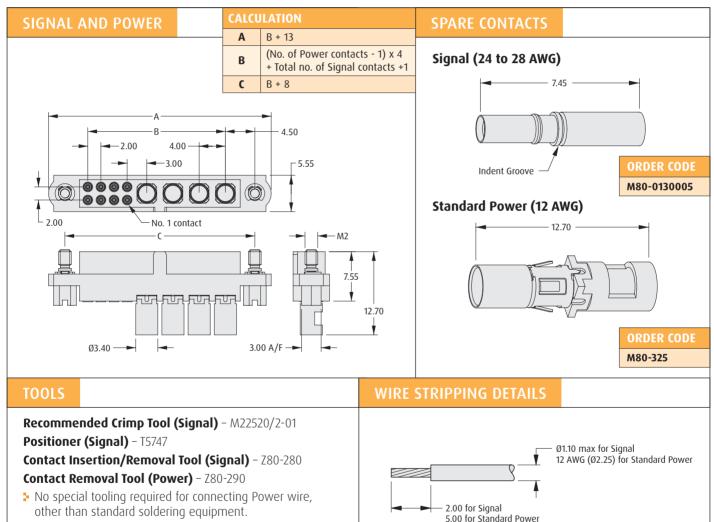
Part numbers are for a complete kit of a housing and the applicable number of contacts.

Instruction sheets available at www.harwin.com/instructions.

Check image chart to confirm Off-The-Shelf sizes available

- ▶ Hexagonal slotted jackscrews are assembled.
- ▶ Polarized housings.
- Standard Power contacts rated to 20A, signal to 3A.





All dimensions in mm.



NO. OF POWER CONTACTS

02, 04

**HOW TO ORDER** 

M80 - 4C1 XX 05F1 - XX - 325 - 00 - 000

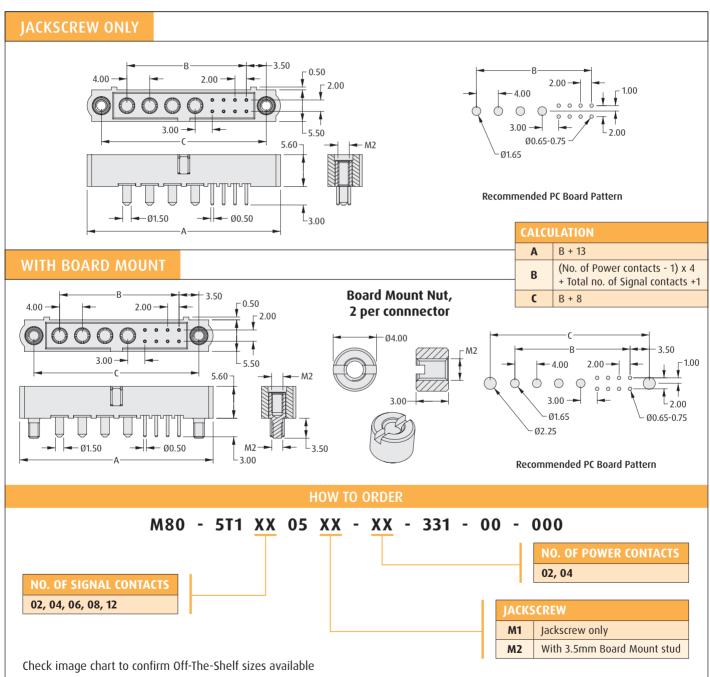
**NO. OF SIGNAL CONTACTS** 

02, 04, 06, 08, 12

# Male Power/Signal Vertical Throughboard

- ► A selection of stocked Datamate Mix-Tek solder tail standard layouts.
- Choice to suit two PCB thicknesses and two stud lengths
- Polarized housings.
- Standard Power contacts rated to 20A, signal to 3A.



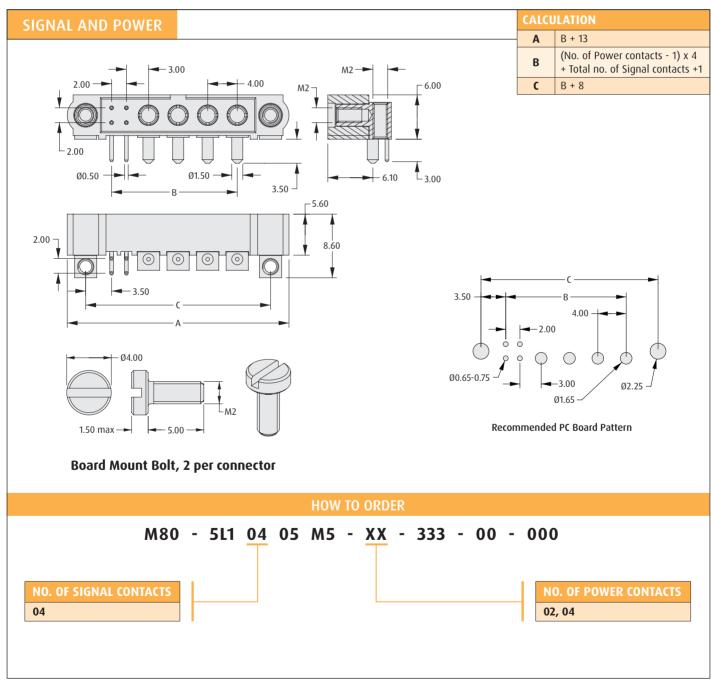




## Male Power/Signal Horizontal Throughboard

- A selection of stocked Datamate Mix-Tek solder tail standard layouts.
- Polarized housings.
- ▶ Standard Power contacts rated to 20A, signal to 3A.







> Standard high-reliability connectors fitted with coax contacts on 4mm pitch.

			ТҮРЕ	
		Female Cable Connectors - Hex Slotted Jackscrews	Male Vertical 3mm Tail - 3.5mm Board Mount Jackcrew	Male Vertical 4.5mm Tail - 5mm Board Mount Jackcrew
	2 Coax	M80-FC305F1-02	M80-MV311M2-02	M80-MV312M3-02
F CONTACTS	4 Coax	M80-FC305F1-04	M80-MV311M2-04	M80-MV312M3-04
TOTAL NO. 0	6 Coax	M80-FC305F1-06	M80-WV311M2-06	M80-MV312M3-06
	8 Coax	M80-FC305F1-08	M80-MV311M2-08	M80-MV312M3-08

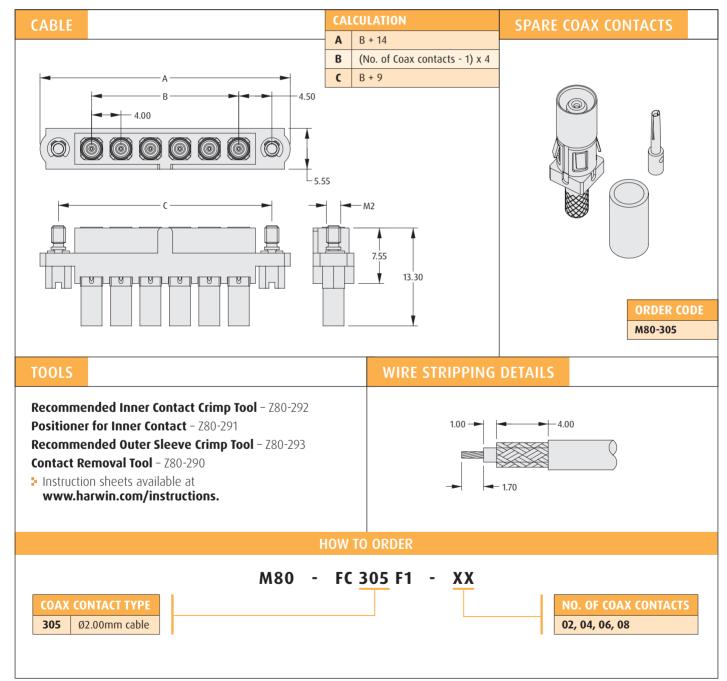
			ТҮРЕ	
		Female Cable Assemblies - Hex Slotted Jackscrews	Male Horizontal 3mm Tail - 5mm Board Mount Jackcrew	Male Horizontal 4.5mm Tail - 5mm Board Mount Jackcrew
	2 Coax	Single Ended (Female to Cut End) M80-FC305F1-02-0150L Double Ended (Female to Female) M80-FC305F1-02-0150F1	M80-MH313M5-02	M80-MH314M5-02
: CONTACTS	4 Coax	Single Ended (Female to Cut End) M80-FC305F1-04-0150L Double Ended (Female to Female) M80-FC305F1-04-0150F1	M80-MH313M5-04	M80-MH314M5-04
TOTAL NO. 0	6 Coax	Single Ended (Female to Cut End) M80-FC305F1-06-1050L Double Ended (Female to Female) M80-FC305F1-06-0150F1	M80-MH313M5-06	M80-MH314M5-06
	8 Coax	Single Ended (Female to Cut End) M80-FC305F1-08-0150L Double Ended (Female to Female) M80-FC305F1-08-0150F1	M80-MH313M5-08	M80-MH314M5-08



## Jack (Female) Crimp Kit

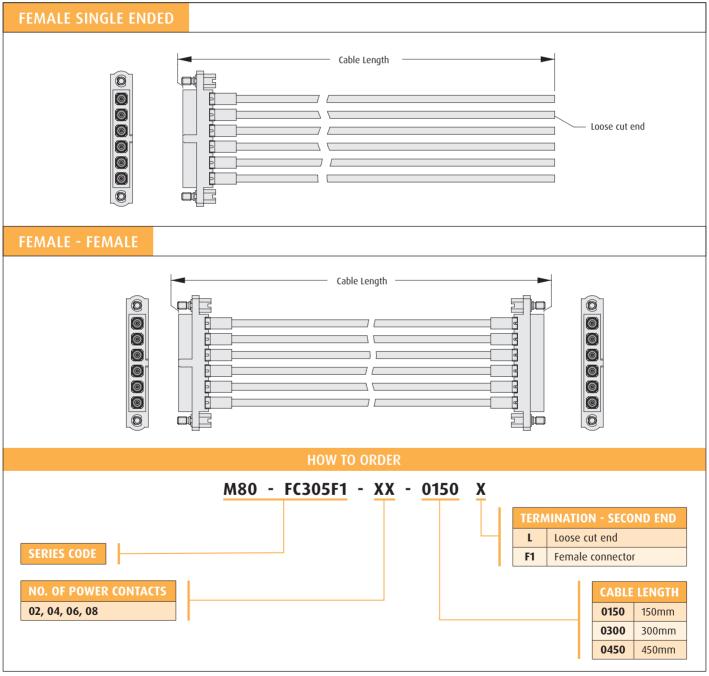
- A selection of stocked jack cable connectors in standard layouts.
- 6GHz,  $50\Omega$  Coax contacts, suitable for RG178 cable.
- Product supplied as a complete kit; housing with jackscrew assembled, and the applicable number of coax contacts supplied loose, not assembled.
- Polarized housings.
- Hexagonal slotted jackscrew style.







# Jack (Female) Cable Assemblies A selection of stocked ganged multiport coaxial cable assemblies in standard layouts. GGHz, 50Ω Coax contacts, assembled with RG178 cable. Hexagonal slotted jackscrew style.

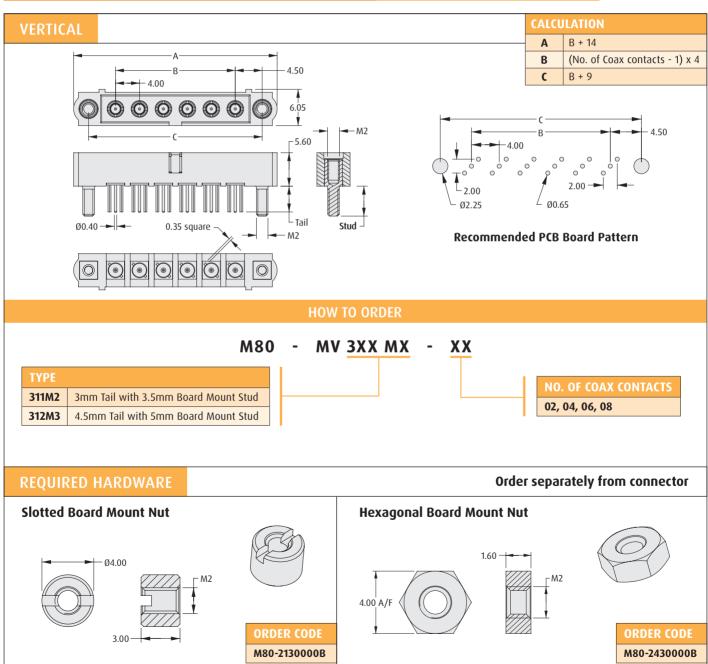




## Plug (Male) Vertical Throughboard

- Stocked coax connectors in vertical orientation, with board-mount jackscrews for added security
- 6GHz, 500 Coax contacts
- Choice to suit two PCB thicknesses.
- Order board mount nuts separately.
- Screwdriver Z80-298 available for assembling slotted iackscrew nuts.

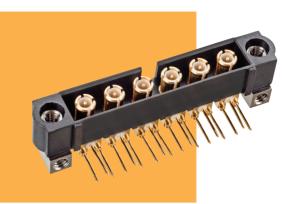


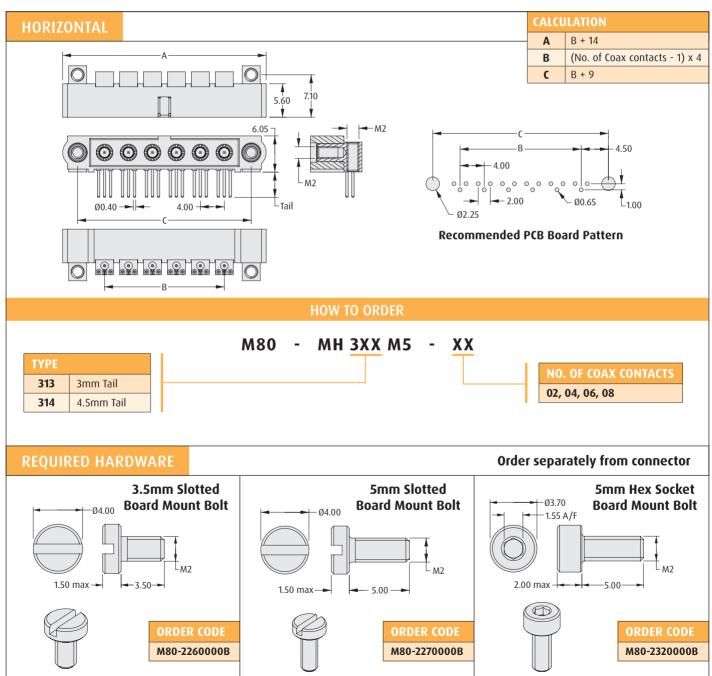




## Plug (Male) Horizontal Throughboard

- 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.







Housings only for cable connections, suitable for use with all power, high power and coax contacts. Contacts to be ordered separately.

	MIXED TECHNOLOGY HOUSINGS - FEMALE, HEX SLOTTED JACKSCREWS						
	2 Power/Coax 3 Power/Coax 4 Power/Coax 6 Power/Coax						
2 Signal			M80-263F104-02-00	M80-263F106-02-00			
4 Signal			M80-263F104-04-00				
6 Signal	M80-263F102-06-00						
8 Signal	M80-263F102-08-00	M80-263F103-08-00					
12 Signal			M80-263F104-12-00				

	POWER/COAX ONLY HOUSINGS - STANDARD GENDER JACKSCREWS				
	Female Hex Slotted floating	Female Hex Socket floating	Female Guide Pin panel mount	Male Internal jackscrew	
2 Contact	M80-263F102-00-00	M80-263F202-00-00	M80-263F302-00-00	M80-273M102-00-00	
3 Contact	M80-263F103-00-00	M80-263F203-00-00	M80-263F303-00-00	M80-273M103-00-00	
4 Contact	M80-263F104-00-00	M80-263F204-00-00	M80-263F304-00-00	M80-273M104-00-00	
6 Contact	M80-263F106-00-00	M80-263F206-00-00	M80-263F306-00-00	M80-273M106-00-00	
8 Contact	M80-263F108-00-00	M80-263F208-00-00	M80-263F308-00-00	M80-273M108-00-00	
10 Contact	M80-263F110-00-00				

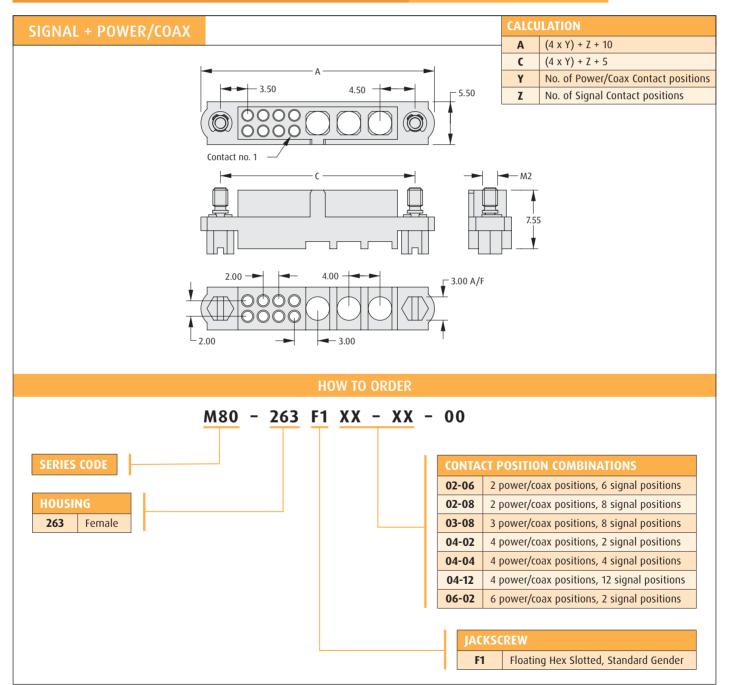
	POWER/COAX ONLY HOUSINGS				
	REVERSE FIX	JACKSCREWS	101LOK		
	Female Male 5mm panel mount Slotted floating		Female	Male	
2 Contact	M80-263F902-00-00	M80-273MA02-00-00	M80-263FC02-00-00	M80-273MC02-00-00	
3 Contact	M80-263F903-00-00	M80-273MA03-00-00	M80-263FC03-00-00	M80-273MC03-00-00	
4 Contact	M80-263F904-00-00	M80-273MA04-00-00	M80-263FC04-00-00	M80-273MC04-00-00	
6 Contact	M80-263F906-00-00	M80-273MA06-00-00	M80-263FC06-00-00	M80-273MC06-00-00	
8 Contact	M80-263F908-00-00	M80-273MA08-00-00	M80-263FC08-00-00	M80-273MC08-00-00	



## Female Mixed Technology Cable Housings

- ➤ Female cable housings fitted with floating jackscrews (standard gender), hexagonal slotted heads.
- Compatible with all signal, power and coax female cable contacts.
- ▶ Housings only compatible contacts must be purchased separately.
- ★ Mates with any male mixed-technology connectors with the same signal + power/coax layout.
- For other combinations shown on the Technical Drawing, please consult our Experts at www.harwin.com/contact.



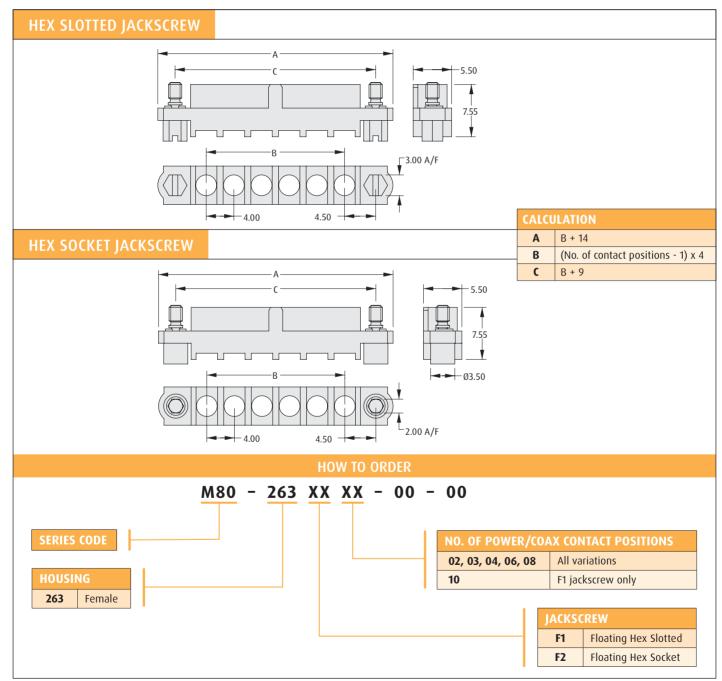




## Female Power/Coax Cable Housings

- Female cable housings fitted with floating jackscrews (standard gender).
- Choice of hexagonal slotted or hex socket for the jackscrew head.
- Compatible with all power and coax female cable contacts.
- Housings only compatible contacts must be purchased separately.
- ▶ Mates with any male connectors with the same power/coax layout.
- ➤ For other combinations shown on the Technical Drawing, please consult our Experts at www.harwin.com/contact.



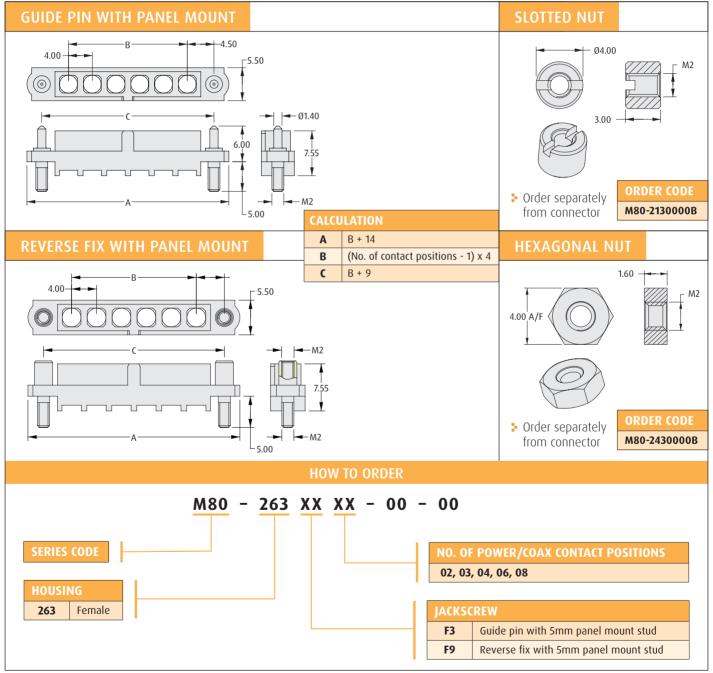




## Female Power/Coax Cable Housings - Guide Pin, Reverse Fix

- Female cable housings fitted with panel mount jackscrews.
- Guide Pins are compatible with male standard gender jackscrews.
- Reverse fix panel mount is only compatible with male connectors fitted with reverse fix.
- Compatible with all power and coax female cable contacts.
- ▶ Housings only compatible contacts must be purchased separately.
- ➤ For other combinations shown on the Technical Drawing, please consult our Experts at www.harwin.com/contact.



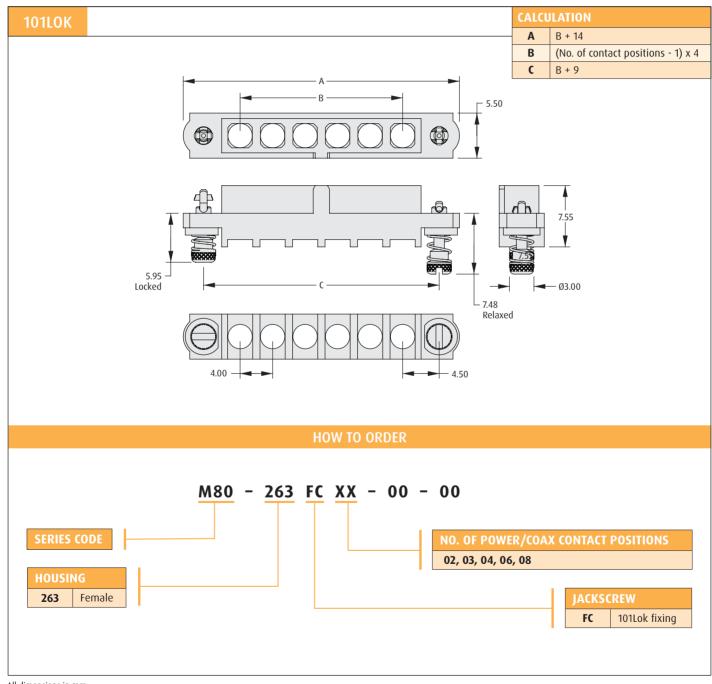




## Female Power/Coax Cable Housings - 101Lok

- ▶ Housings only compatible contacts must be purchased
- Compatible with all power and coax female cable contacts.
- consult our Experts at www.harwin.com/contact.



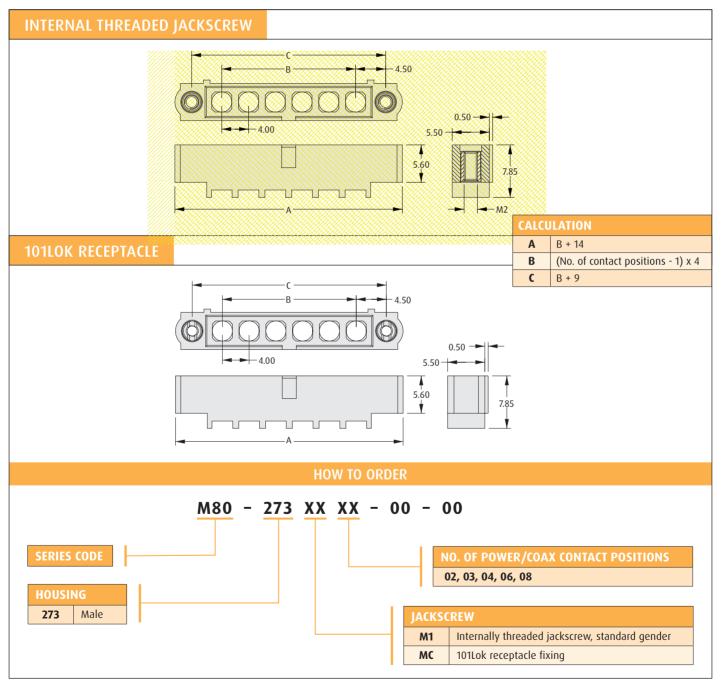




## Male Power/Coax Cable Housings

- ➤ Male cable housings fitted with either internally threaded jackscrews (standard gender) or 101Lok receptacles.
- Internal threaded jackscrews compatible with standard gender floating jackscrews or quide pins.
- 101Lok receptacle fixings compatible with 101Lok bayonet female fixings.
- Housings only compatible power and coax male contacts must be purchased separately.
- For other combinations shown on the Technical Drawing, please consult our Experts at www.harwin.com/contact.

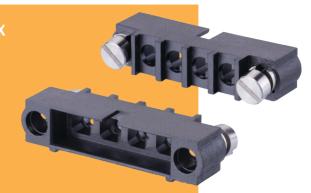


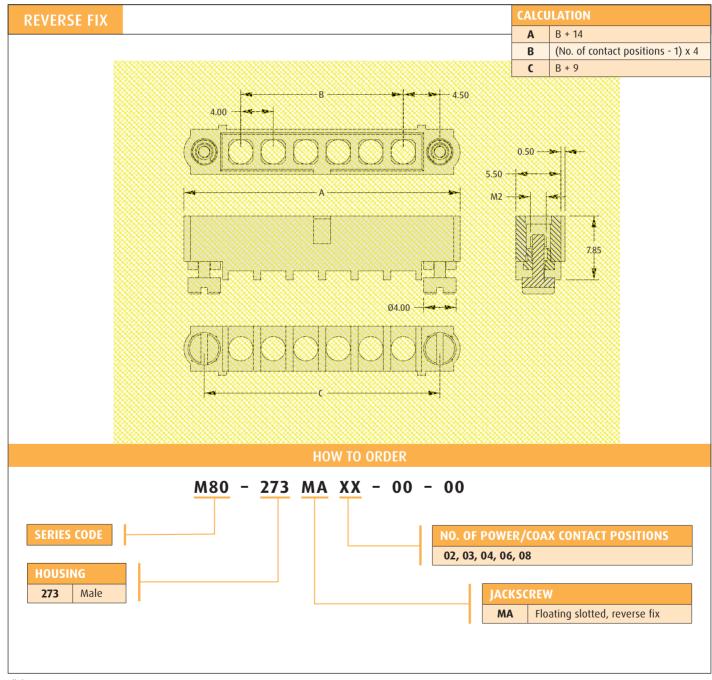




## Male Power/Coax Cable Housings - Reverse Fix

- ➤ Male cable housings fitted with floating slotted jackscrews, reverse fix style.
- Mates with equivalent layout female connectors fitted with reverse fix jackscrews.
- Housings only compatible power and coax male contacts must be purchased separately.
- **▶** For other combinations shown on the Technical Drawing, please consult our Experts at **www.harwin.com/contact.**





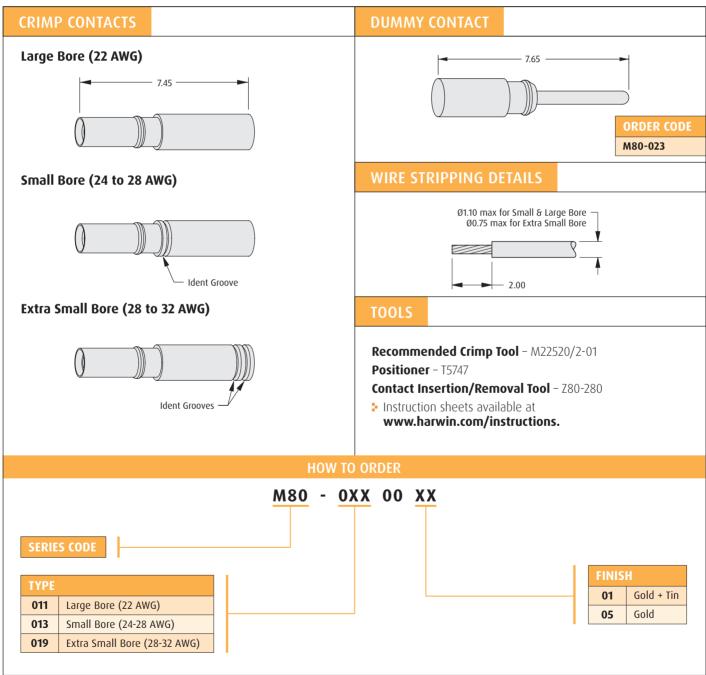


# **Datamate Mix-Tek Cable Contacts**

## **Female Signal Contacts**

Compatible with the signal + power/coax housings
 See following pages for power and coax contacts.







# **Datamate Mix-Tek Cable Contacts**

- Compatible contacts for use with all Mix-Tek cable housings.
- Female standard power contacts mate with male standard power, female high power with male high power. Standard power contacts do not mate with high power.

		STANDARD F	POWER		
Female	Male	Wire Size	Current Rating	Connection	Wire Strip Length
M80-325	M80-335	12 AWG	Up to 20A	Solder	5.00mm min
M80-326	M80-336	14 AWG	Up to 15A	Solder	5.00mm min
M80-327	M80-337	16 AWG	Up to 10A	Solder	5.00mm min
M80-328	M80-338	18 AWG	Up to 8A	Crimp	4.75-5.25mm
M80-329	M80-339	20 AWG	Up to 5A	Crimp	4.75-5.25mm
M80-32A		12 AWG	Up to 20A	Solder	5.00mm min
M80-32B		14 AWG	Up to 15A	Solder	5.00mm min
M80-32C		16 AWG	Up to 10A	Solder	5.00mm min
		HIGH POV	WER		
M80-PF5	M80-PM5	10 AWG	Up to 40A	Solder	5.00mm min
TOOLS					

#### TOOLS

Recommended Crimp Tool - Z80-294

Positioner - Z80-295

Contact Removal Tool - Z80-290

- Crimp Tool and Positioner required only for the Crimp contacts. No special tool is required for connecting wire to the solder contacts, other than standard soldering equipment.
- Instruction sheets available at www.harwin.com/instructions.



# **Datamate Mix-Tek Cable Contacts**

- Compatible contacts for use with all Mix-Tek cable housings.
- Straight coax contacts can mate with right-angle coax contacts.

		COAX			
Female	Male	Coax Size	Coax Type	Connection	Wire Strip Length
M80-305	M80-315	Ø2.00mm	RG178	Crimp	See Figure 1
M80-307	M80-317	Ø2.70mm	RG174 RG179 RG316	Crimp	See Figure 1
M80-308	M80-318	Ø2.00mm	RG178	Crimp	See Figure 2
M80-309	M80-319	Ø2.70mm	RG174 RG179 RG316	Crimp	See Figure 2

#### **TOOLS**

Recommended Inner Contact Crimp Tool – Z80-292 Positioner for Inner Contact – Z80-291 Recommended Outer Sleeve Crimp Tool – Z80-293 Contact Removal Tool – Z80-290 Instruction sheets available at www.harwin.com/instructions.

#### **WIRE STRIPPING DETAILS**

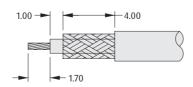


Figure 1

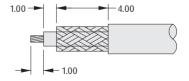


Figure 2



# **Datamate Mix-Tek Connectors**

## **Metal Backshell Accessories**

- Metal Backshells that can be used with any female cable connector (up to 12AWG), or male connectors with board mount jackscrews.
- Female backshells come with jackscrews any existing jackscrews can be removed by removing the e-clip.
- Suitable for new designs, or in-production addition to enhance existing designs.



#### PART NUMBERING SYSTEM

M80 - 9 XX XX 02

FINISH

02 Nickel

#### **SERIES CODE**

ale with Slotted Jackscrews
ale with Hex Socket Jackscrews

EQUIVALENT NO. OF SIGNAL CONTACTS	NO. OF POWER ONLY OR COAX ONLY CONTACTS	NO. OF CONTACTS IN POWER/SIGNAL COMBINATION
08	2 contacts	-
10	-	2 Power, 2 Signal
12	3 contacts	2 Power, 4 Signal
14	-	2 Power, 6 Signal
16	4 contacts	2 Power, 8 Signal
18	-	4 Power, 2 Signal
20	5 contacts	2 Power, 12 Signal or 4 Power, 4 Signal
22	-	4 Power, 6 Signal
24	6 contacts	4 Power, 8 Signal
28	7 contacts	4 Power, 12 Signal
32	8 contacts	-
36	9 contacts	-
40	10 contacts	-
44	11 contacts	-
48	12 contacts	-

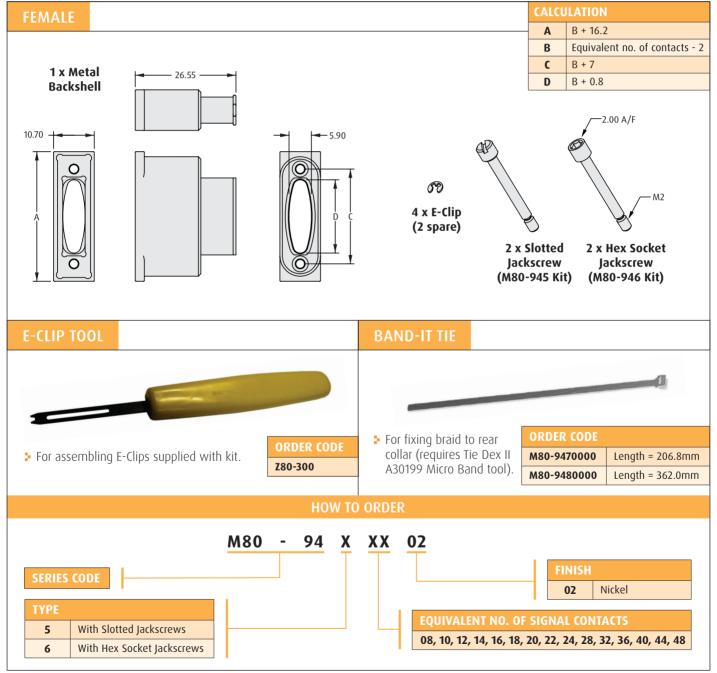


# **Datamate Mix-Tek Connectors**

#### Female Metal Backshell

- ➤ Supplied as an accessory kit, including metal backshell, e-clips and the applicable jackscrews.
- To be used with the appropriate size of Female Cable connector kit without jackscrews (existing jackscrews can be removed).
- Gives 360 degree shielding when used with conductive braid and mated to a compatible male connector with metal backshel
- **▶** Instruction sheets available at www.harwin.com/instructions.







# **Datamate Mix-Tek Connectors**

#### Male Metal Backshell

- Supplied as an accessory, to be used with existing male connectors.
- Can be fitted to either male vertical PCB connectors with board mount, or male cable connectors with panel mount iackscrews.
- Gives 360 degree shielding when mounted to a conductive panel and mated to a compatible female connector with metal backshell



