

If you are unable to specify the connectors you require from our Off-The-Shelf range of Datamate Mix-Tek (pages 76 to 81), then customise your own Mix-Tek part number.

All items in this range are made-to-order, and may be subject to minimum order quantities and current availability conditions.

PART NUMBERING SYSTEM

M80 - X #X XX XX #X - XX - XXX - XX - XXX

PRODUCT RANGE

GENDER

4	Female (Socket)
5	Male (Plug)

SIGNAL CONTACT STYLE

00	No Signal Contacts
T1	Vertical PC Tail, 3mm tail
T2	Vertical PC Tail, 4.5mm tail
L1	Horizontal PC Tail, 3mm tail (Male only)
L2	Horizontal PC Tail, 4.5mm tail (Male only)
C1	Crimp 24-28 AWG (Small Bore)
D1	Crimp 22 AWG (Large Bore)
E1	Crimp 28-32 AWG (Extra Small Bore)
S1	Vertical Surface Mount
S2	Horizontal Surface Mount (Male only)

NO. OF SIGNAL CONTACTS

00, 02 to 50 (Must be even number)

SIGNAL CONTACT FINISH

	00	No Signal Contacts	
	01	Gold + Tin/Lead	Female PC Tail only
	05	Gold	
	22	Gold + Tin/Lead	Male PC Tail only
	42	Gold + Tin	All PC Tail & Female Crimp

PART NUMBER OF SPECIAL CONTACTS AFTER FINAL SIGNAL CONTACT

See page 86, or 000 if none loaded

NUMBER OF SPECIAL CONTACTS AFTER FINAL SIGNAL CONTACT

00 to 12

PART NUMBER OF SPECIAL CONTACTS BEFORE SIGNAL CONTACT NO. 1

See page 86, or 000 if none loaded

NUMBER OF SPECIAL CONTACTS BEFORE SIGNAL CONTACT NO. 1

00 to 12

JACKSCREW VARIANT

00	None assembled
Fx	Female Jackscrews – see page 84
Mx	Male Jackscrews – see page 85

Note: If special contacts are being ordered separately, and cavities in mould are to be left empty, then the Special Contact part numbers should be 000.

EXAMPLES:

M80-5T11422M1-02-311-02-311

DIL Male Vertical with Jackscrew, no Board Mount, 3mm PC Tail – 2 Coax, 14 Signal, 2 Coax.

M80-4C12005F1-04-326-00-000

DIL Female Crimp with Slotted Hex Jackscrews, Small Bore – 4 Power (for 14 AWG), 20 Signal.

M80-4D11042F2-04-305-02-308

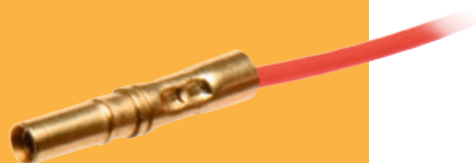
DIL Female Crimp with Hex Socket Jackscrews, Large Bore – 4 Special cavity, 10 Signal, 2 Special cavity. Supplied with 4-off Female Straight Crimp Coax for Ø2mm cable, and 2-off Female 90° Crimp Coax for Ø2mm cable.

Max. number of contacts per connector: Special contacts only – 12 off, Signal contacts only – 50 off.

All dimensions in mm.

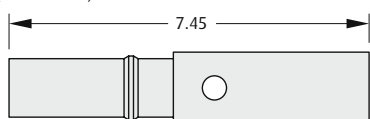
Spare Signal Crimp Contacts

- ❖ Crimp contacts are supplied with all Mix-Tek connectors – use the order codes below for extra crimp contacts.
- ❖ For crimp and insertion tools, see pages 87 to 89.

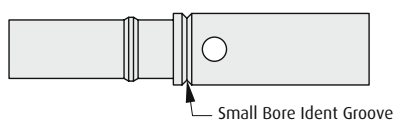


FEMALE

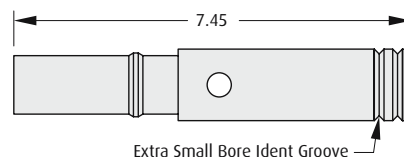
Large Bore (22 AWG):



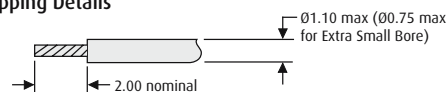
Small Bore (24 – 28 AWG):



Extra Small Bore (28 – 32 AWG):

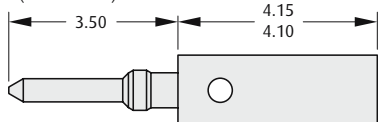


Wire Stripping Details

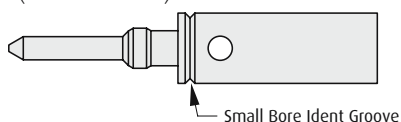


MALE

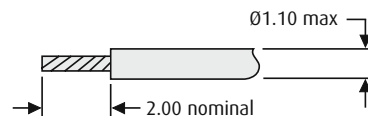
Large Bore (22 AWG):



Small Bore (24 – 28 AWG):



Wire Stripping Details



HOW TO ORDER

M80 - XXX 00 XX

SERIES CODE

TYPE

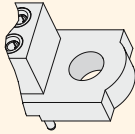
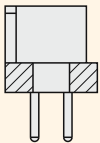
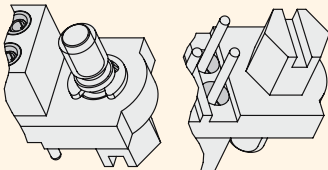
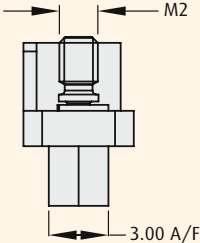
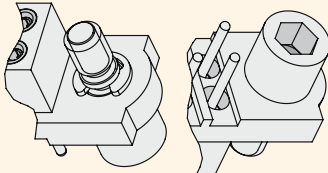
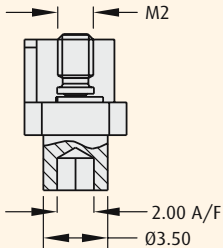
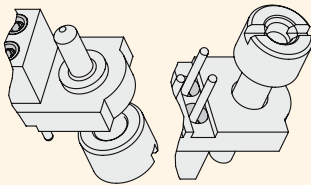
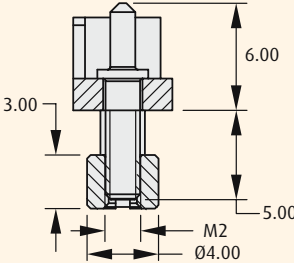
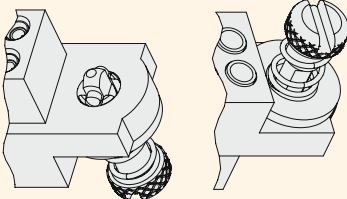
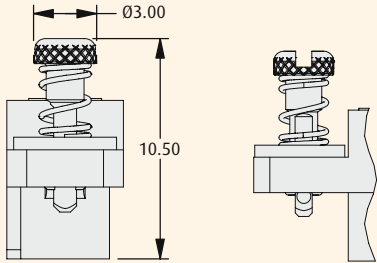
011	Female Large Bore (22 AWG)	194	Male Large Bore (22 AWG)
013	Female Small Bore (24-28 AWG)	195	Male Small Bore (24-28 AWG)
019	Female Extra Small Bore (28-32 AWG)		

FINISH

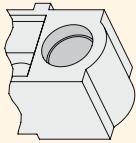
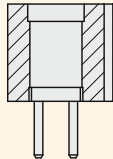
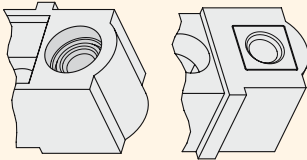
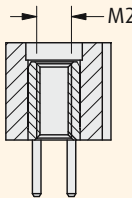
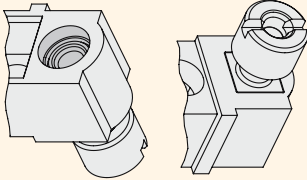
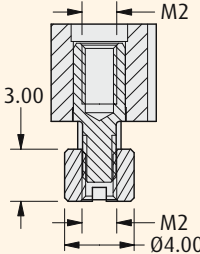
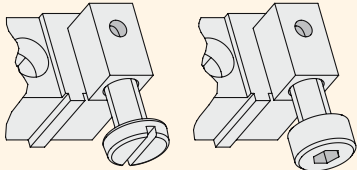
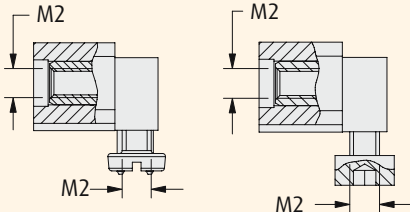
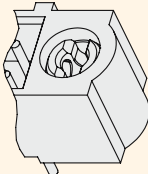
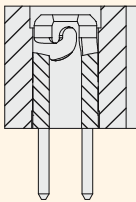
01	Gold + Tin (Female only)	
05	Gold	

All dimensions in mm.

Datamate – Jackscrews Female

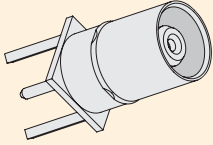
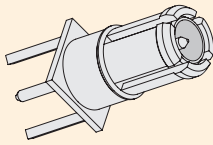
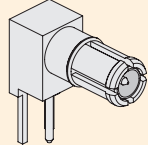
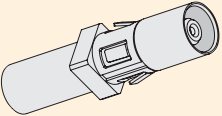
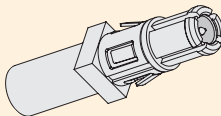
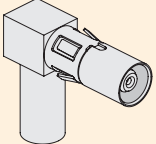
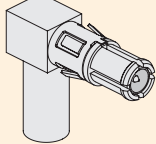
00			None assembled
F1			Hexagonal Slotted Jackscrew (floating)
F2			Hexagonal Socket Jackscrew (floating)
F3			Guide Pin Jackscrew with Panel Mount
FC			 Lok Jackscrew

Datamate – Jackscrews Male

00			None assembled
M1			Jackscrew nut only
M2 or M3			Jackscrew with Vertical Board Mount, slotted nut M2 = 3.50mm stud length M3 = 5.00mm stud length
M5 or M7			Jackscrew with Horizontal Board Mount, 5mm bolt length M5 = Slotted bolt M7 = Hex Socket bolt
MC			 101 Lok Jackscrew Retainer

Datamate – Special Contacts

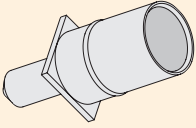
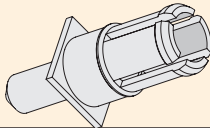
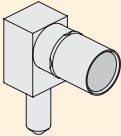
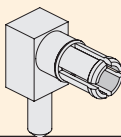
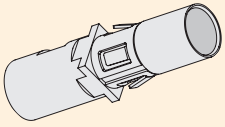
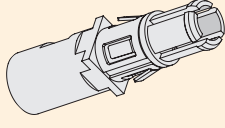
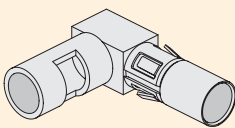
COAX

FEMALE			MALE		
301 or 302		Vertical PC Tail 301 = 3.00mm tail 302 = 4.50mm tail	311 or 312		Vertical PC Tail 311 = 3.00mm tail 312 = 4.50mm tail
			313 or 314		Horizontal PC Tail 313 = 3.00mm tail 314 = 4.50mm tail
305 306 307		Straight Crimp 305 = Ø2.00mm cable 306 = Ø2.40mm cable 307 = Ø2.70mm cable	315 316 317		Straight Crimp 315 = Ø2.00mm cable 316 = Ø2.40mm cable 317 = Ø2.70mm cable
308 or 309		90° Crimp 308 = Ø2.00mm cable 309 = Ø2.70mm cable	318 or 319		90° Crimp 318 = Ø2.00mm cable 319 = Ø2.70mm cable

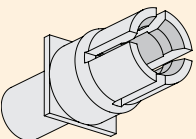
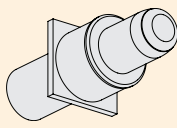
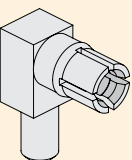
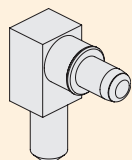
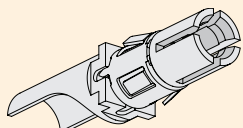
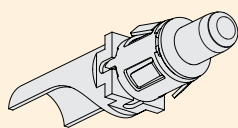
CABLE SIZE	CABLE TYPE	CONTACTS
Ø2.00mm cable	RG 178	305 315 308 318
Ø2.40mm cable	PTFE Cellular	306 316
Ø2.70mm cable	RG 174 RG 179 RG 316	307 317 309 319

Datamate – Special Contacts

POWER

	FEMALE		MALE	
321 or 322		Vertical PC Tail 321 = 3.50mm tail 322 = 5.00mm tail	331 or 332	 Vertical PC Tail 331 = 3.50mm tail 332 = 5.00mm tail
323 or 324		Horizontal PC Tail 323 = 3.50mm tail 324 = 5.00mm tail	333 or 334	 Horizontal PC Tail 333 = 3.50mm tail 334 = 5.00mm tail
325 326 327 328 329		Straight Solder 325 = 12 AWG cable 326 = 14 AWG cable 327 = 16 AWG cable Straight Crimp 328 = 18 AWG cable 329 = 20 AWG cable	335 336 337 338 339	 Straight Solder 335 = 12 AWG cable 336 = 14 AWG cable 337 = 16 AWG cable Straight Crimp 338 = 18 AWG cable 339 = 20 AWG cable
32A 32B 32C		90° Solder 32A = 12 AWG cable 32B = 14 AWG cable 32C = 16 AWG cable		

HIGH POWER

	FEMALE		MALE	
PF1 or PF2		Vertical PC Tail PF1 = 3.50mm tail PF2 = 5.00mm tail	PM1 or PM2	 Vertical PC Tail PM1 = 3.50mm tail PM2 = 5.00mm tail
PF3 or PF4		Horizontal PC Tail PF3 = 3.50mm tail PF4 = 5.00mm tail	PM3 or PM4	 Horizontal PC Tail PM3 = 3.50mm tail PM4 = 5.00mm tail
PF5		Straight Solder 10 AWG cable	PM5	 Straight Solder 10 AWG cable

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-4000000F2-02-325-00-000](#)