

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

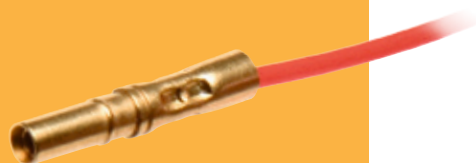
DIL Female Crimp with Hex Socket Jackscrews, Large Bore – 4 Special cavity, 10 Signal, 2 Special cavity. Supplied with 4-off Female Straight Crimp Coax for Ø2mm cable, and 2-off Female 90° Crimp Coax for Ø2mm cable.

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

All dimensions in mm.

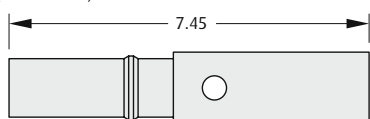
Spare Signal Crimp Contacts

- ❖ 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.

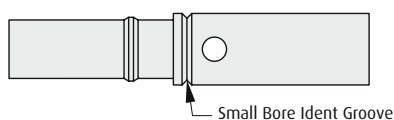


FEMALE

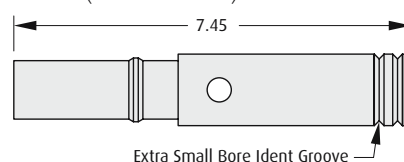
Large Bore (22 AWG):



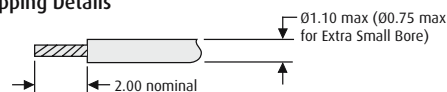
Small Bore (24 – 28 AWG):



Extra Small Bore (28 – 32 AWG):

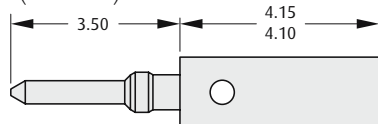


Wire Stripping Details

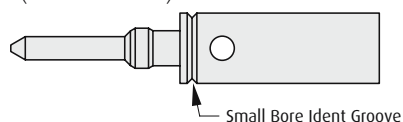


MALE

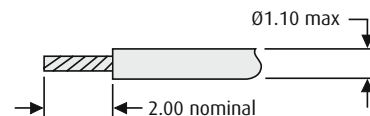
Large Bore (22 AWG):



Small Bore (24 – 28 AWG):



Wire Stripping Details



HOW TO ORDER

M80 - XXX 00 XX

SERIES CODE

FINISH

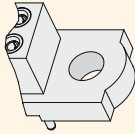
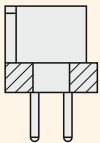
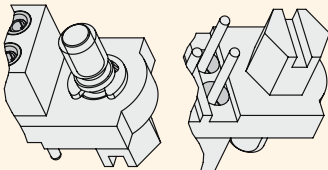
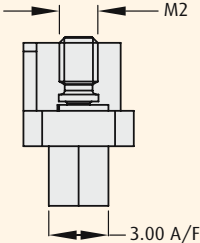
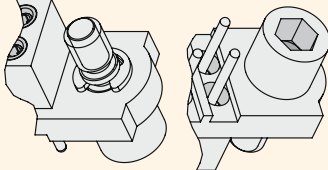
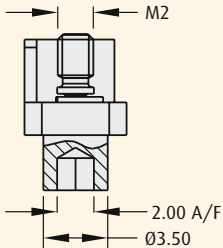
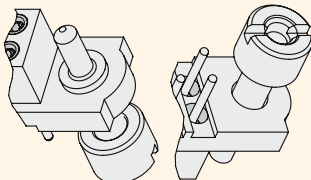
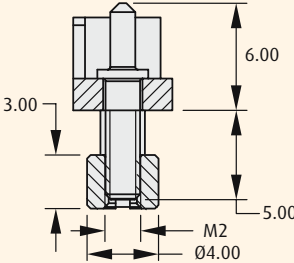
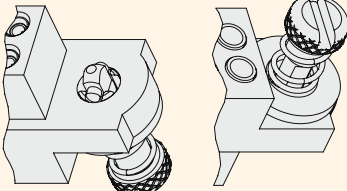
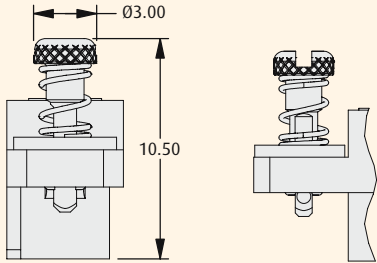

| | | |
|-----------|--------------------------|--|
| 01 | Gold + Tin (Female only) | |
| 05 | Gold | |

TYPE

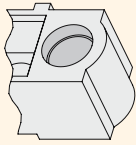
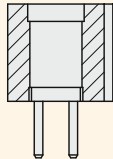
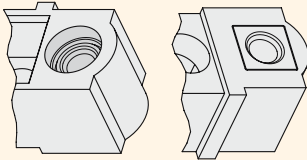
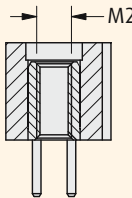
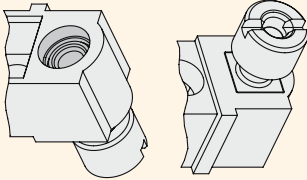
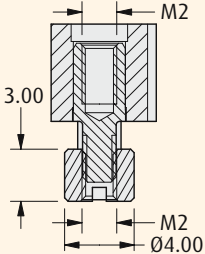
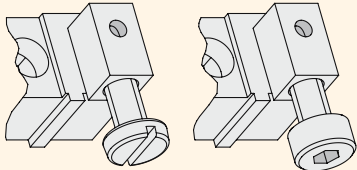
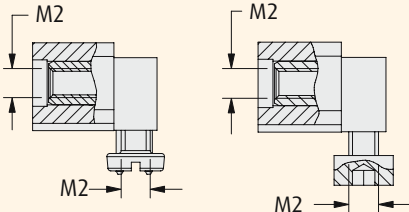
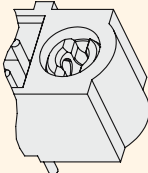
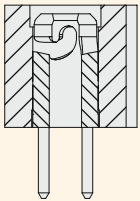

| | | | |
|------------|-------------------------------------|------------|-----------------------------|
| 011 | Female Large Bore (22 AWG) | 194 | Male Large Bore (22 AWG) |
| 013 | Female Small Bore (24-28 AWG) | 195 | Male Small Bore (24-28 AWG) |
| 019 | Female Extra Small Bore (28-32 AWG) | | |

All dimensions in mm.

Datamate – Jackscrews Female

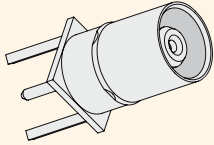
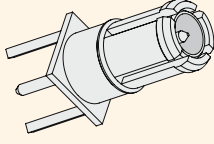
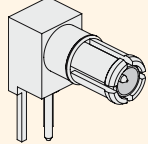
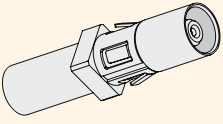
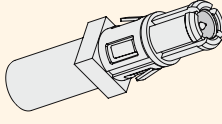
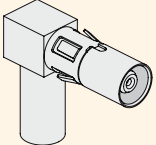
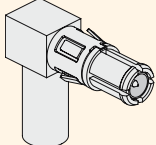
| | | | |
|----|---|--|---|
| 00 |  |  | None assembled |
| F1 |  |  | Hexagonal Slotted Jackscrew (floating) |
| F2 |  |  | Hexagonal Socket Jackscrew (floating) |
| F3 |  |  | Guide Pin Jackscrew with Panel Mount |
| FC |  |  |  101 Lok Jackscrew |

Datamate – Jackscrews Male

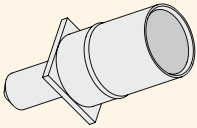
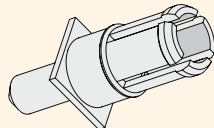
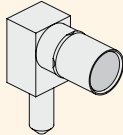
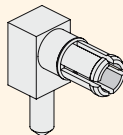
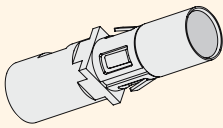
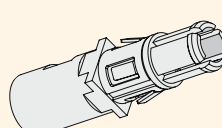
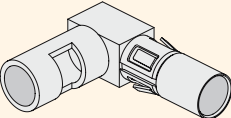
| | | | |
|----------|---|--|--|
| 00 |  |  | None assembled |
| M1 |  |  | Jackscrew nut only |
| M2 or M3 |  |  | Jackscrew with Vertical Board Mount, slotted nut M2 = 3.50mm stud length M3 = 5.00mm stud length |
| M5 or M7 |  |  | Jackscrew with Horizontal Board Mount, 5mm bolt length M5 = Slotted 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 |

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 | | | |