

Product Data Sheet

Amphenol® M³-Micro-Miniature-Metric Connectors

No. 126-1

M³-Micro-Miniature-Metric Features:

- Aluminum hardware
- Threaded coupling
- Conductive shell finish
- EMI termination available
- Micro-miniature size
- Positive keying
- Alternate rotations can be made available
- Jam nut style receptacle (other styles can be made available)
- Currently available with three 22D contacts
- 0.000030 gold plating on contacts
- Environmental resistant main joint seal

M³ Design

The M³ connector has an aluminum shell with a metric coupling thread for a durable positive coupling. An O.D. cadmium finish is used for shell to shell conductivity. This miniature metal shelled connector is lightweight and inexpensive.

These connectors were designed to be small in size with a 1.406 inch (35.71mm) max. length for a mated pair; a 0.594 inch (15.09mm max. O.D. over the coupling nut; and a 0.663 inch (16.84mm) max. O.D. over the jam nut. The weight of the plug with contacts is approximately 2.7 grams, and the jam nut receptacle is approximately 4.8 grams.

The micro-miniature connector has a positive keying with keys in the receptacle on the socket insert and keyways in the I.D. of the plug shell. This only allows for sockets in the receptacle, but opens the door for possible alternate rotations.

For EMI protection, a braid can be terminated to the rear of the connectors by use of a standard MS21980-415 crimp ferrule.



*Amphenol M³-Micro-Miniature-Metric Connector
1.406 inch (35.71mm) max. length mated pair*

HOW TO ORDER

Part numbers as follows:

Straight plug 71-547545-3P

Jam nut receptacle 71-547546-3S

These connectors come with 3 size 22D contacts.

Contact plating is 0.000030 gold.

Consult Amphenol, Sidney, NY for other contact plating options and for other connector styles.

This environmental connector has been tested to many of the performance requirements of MIL-C-38999H for Series II. Ref. Engineering Report 8037.

For further information and assistance contact:

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