



For applications where cross mating of connectors can cause catastrophic failure, M/A-COM Interconnect Division has designed a fool-proof series of "keyed" connector products. A complete line of keyed TNC designs are available.

In principle, each Interconnect is defined as a mated pair designed to mate only with each other. Typically, twenty-four different keying schemes are available for each part number. Keying is integral to the connector housing and coupling nut.

The interface of the connector is still fully compatible with MIL-C-38012.

The mated pair in Figure 1 illustrates the concept behind keying arrangements. Using machined flats, grooves and posts in both the coupling nut and housing permits twenty-four different keying arrangements. Examples of how each mated pair is specified for both the plug and jack are shown in Figures 2 and 3.

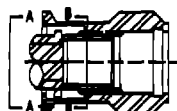


Figure 1

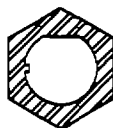
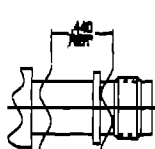


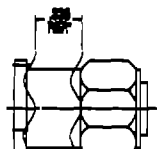
Figure 2



Figure 3



Jack



Plug

\*In order not to interfere with the standard MIL-C-38012 interface, a fixed additional length must be incorporated into the housing and coupling of the connector chosen.

Designs are available for any of the TNC family of connectors. Due to the number of combinations possible, consult the factory for specific part numbers and design

### Plugs

Part Number	Configuration
3101-XXXX	Straight Cable Direct Solder
3101-XXXX	Straight Cable Solder Clamp
3101-XXXX	Flexible Cable Clamp
3131-XXXX	Flexible Cable Crimp
3181-XXXX	Flange Mount
3781-XXXX	High Frequency Cable Direct Solder
3781-XXXX	High Frequency Flange Mount

assistance. Standard designs are available for the following series of connectors. You should refer to other sections of this catalog for detailed characteristics of each connector series.

### Jacks

Part Number	Configuration
3104-XXXX	Bulkhead Cable Direct Solder
3104-XXXX	Bulkhead Cable Solder Clamp
3108-XXXX	Flange Mount Solder Clamp
3134-XXXX	Bulkhead Flexible Cable Crimp
3134-XXXX	Bulkhead Flexible Cable Crimp
3188-XXXX	Flange Mount Flexible Cable Crimp
3188-XXXX	Flange Mount
3784-XXXX	High Frequency Bulkhead Direct Solder
3788-XXXX	High Frequency Flange Mount