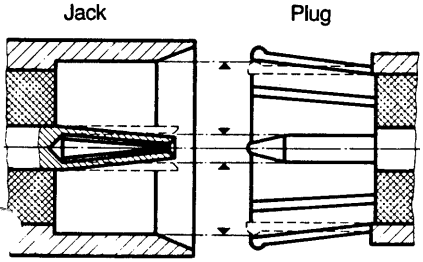
RF connectors

Pin-socket connections

This type of connection is by far the most popular in coaxial connectors (see figure). The various series are identified by the ratio of the inner conductor diameter to that of the outer conductor. Identification of the plug or jack is determined by the design of the inner conductor, a rigid pin being provided at one end and a spring socket at the other.



Uniform contact system for differing mechanical connection types

Three different types of mechanical connection are used with this contact principle:

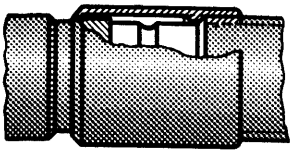
Insertion screw connection with union nut
Latch connection and
modular connection.

The special feature of these kinds of connectors is thus the fact that three different types of plug are compatible with one single socket.

All connectors manufactured in Australia comply with Telecom Australia specifications. However; in line with a policy of continual product development Siemens Ltd reserves the right to change specifications and/or part numbers without notice. Contact our sales offices for current details.

Series 1.6/5.6 (75 Ω) and 1.6/5.6 m (75 Ω)

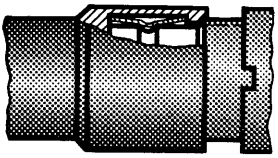
Coupling types



Type A, DIN 47295

Screw coupling, union nut version

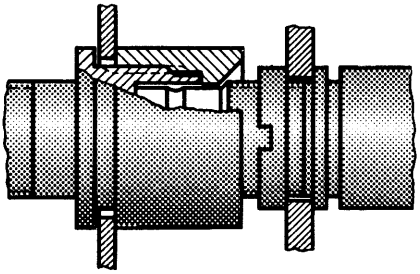
The plug and socket of this type of coupling can be securely screwed together using a union nut incorporated in the plug, e.g. for easily accessible connection, test points on front panels and cable connections.



Type B, DIN 47295

Snap-on coupling

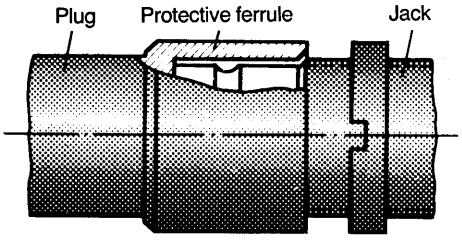
Connectors of this type offer fast make/break. They can be used to advantage, for example, for test and maintenance work and can also be put to universal use in situations where, for lack of space, connectors with screw or bayonet couplings cannot be used.



Type C, DIN 47295

Slide-in connector

The plugs of this type of coupling are provided with a guide ferrule with a conical surface which ensures accurate alignment of the floating plugs with the fixed panel sockets; application examples, for instance single and multiple connections for slide-in modules and multiple connections.

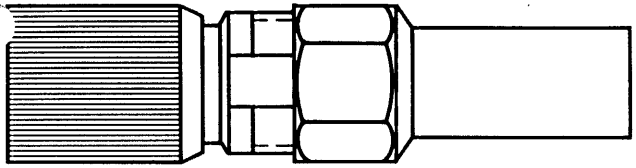


Type D

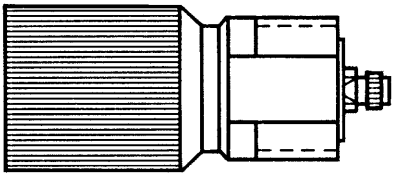
Bulkhead adapters

The plugs have a protective ferrule in place of the union nut; they are particularly suitable for connections to equipment units or subassemblies.

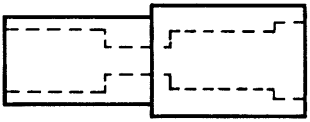
In-line male 1.6/5.6



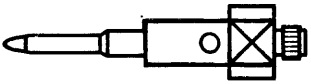
Connector Assembly



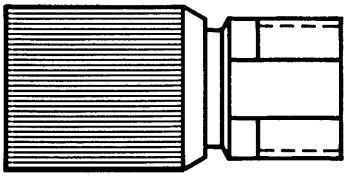
Body Assembly



Insulator



Pin

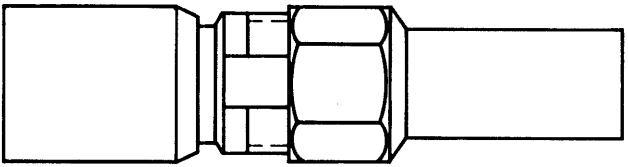


Body

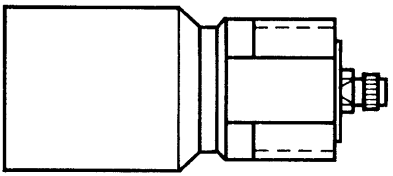
In-line male

1.6/5.6

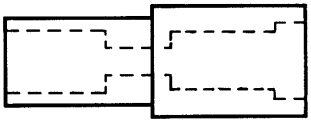
Snap Coupling B



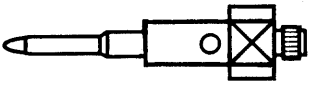
Connector Assembly



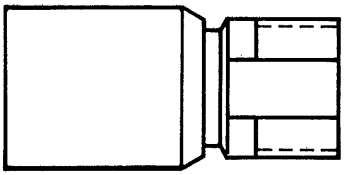
Body Assembly



Insulator

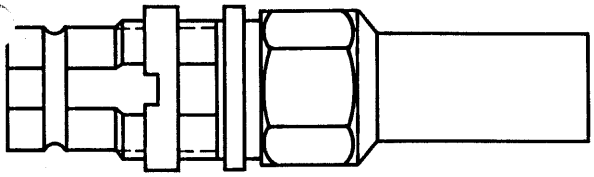


Pin

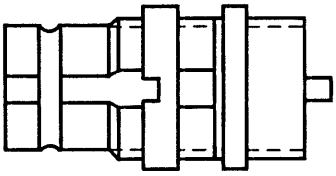


Body

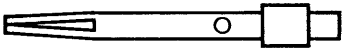
In-line female 1.6/5.6



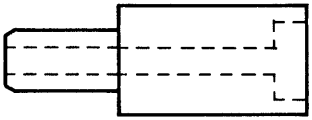
Connector Assembly



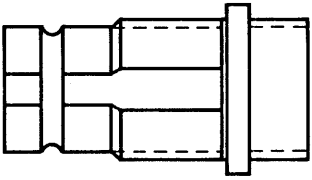
Body Assembly



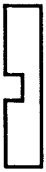
Socket



Insulator



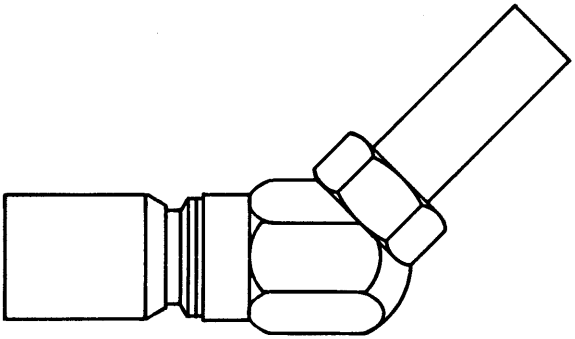
Body



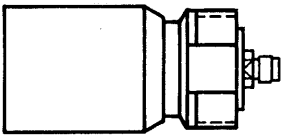
Ring

Half-angled male 1.6/5.6

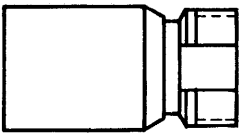
Snap Coupling B



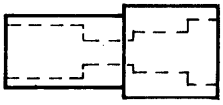
Connector Assembly



Body Assembly

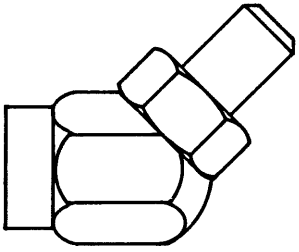


Body



Insulator

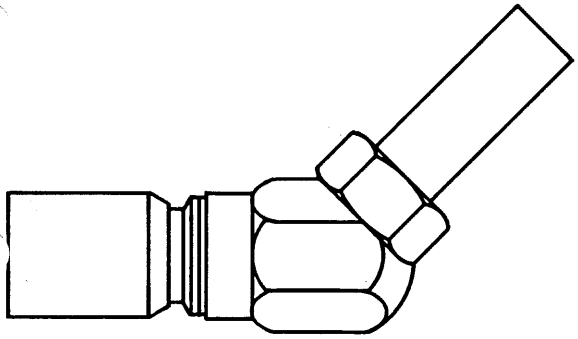
Pin



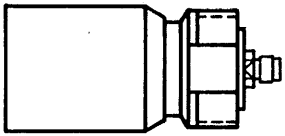
Elbow

Half-angled male 1.6/5.6

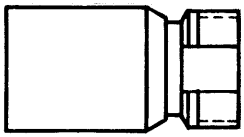
Slide Coupling C



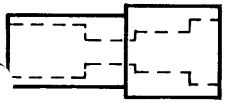
Connector Assembly



Body Assembly

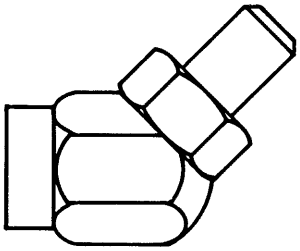


Body



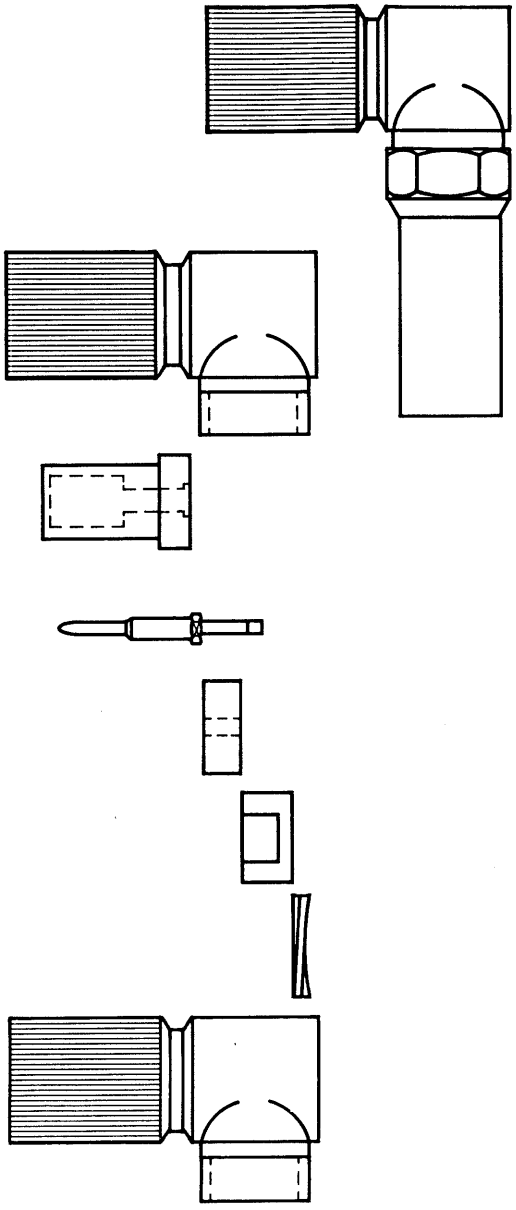
Insulator

Pin



Elbow

Angled male 1.6/5.6



Connector Assembly

Body Assembly

Insulator

Pin

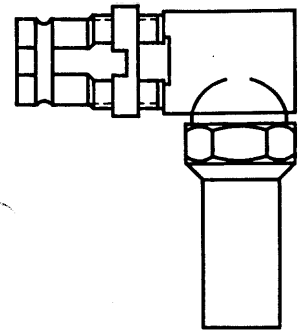
Insulator Washer

Insulator Cap

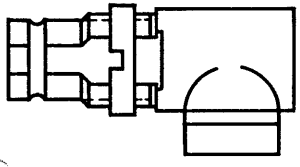
Cap Screw

Body

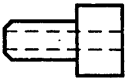
Angled female 1.6/5.6



Connector Assembly



Body Assembly

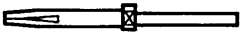


Insulator

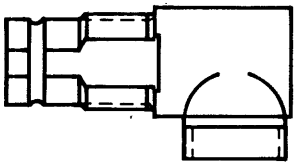
Insulator Washer

Insulator Cap

Cap Screw

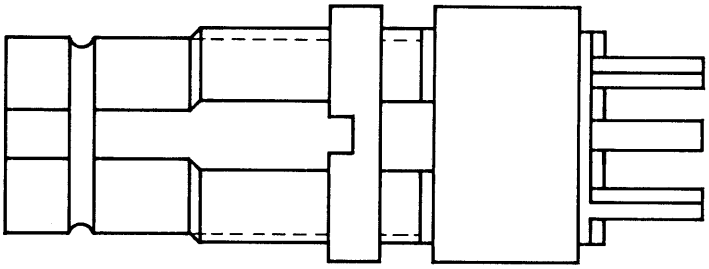


Socket

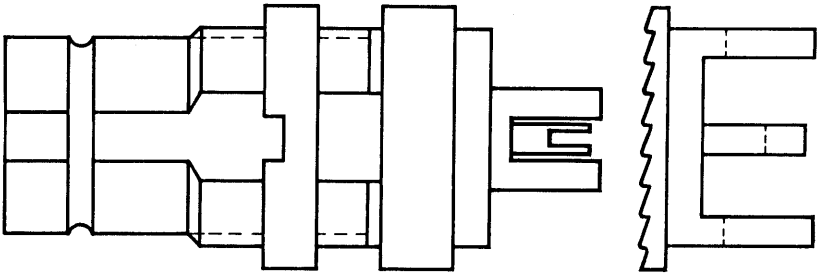


Body

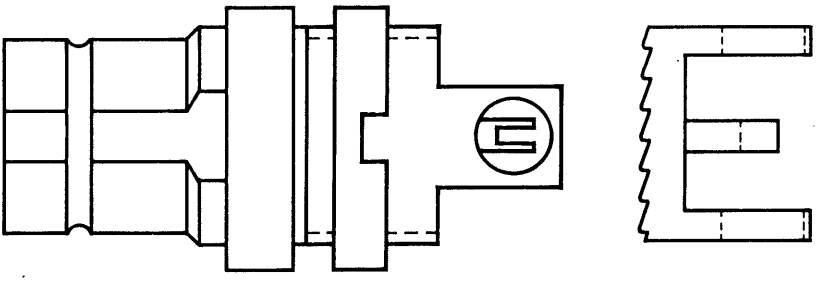
Ring



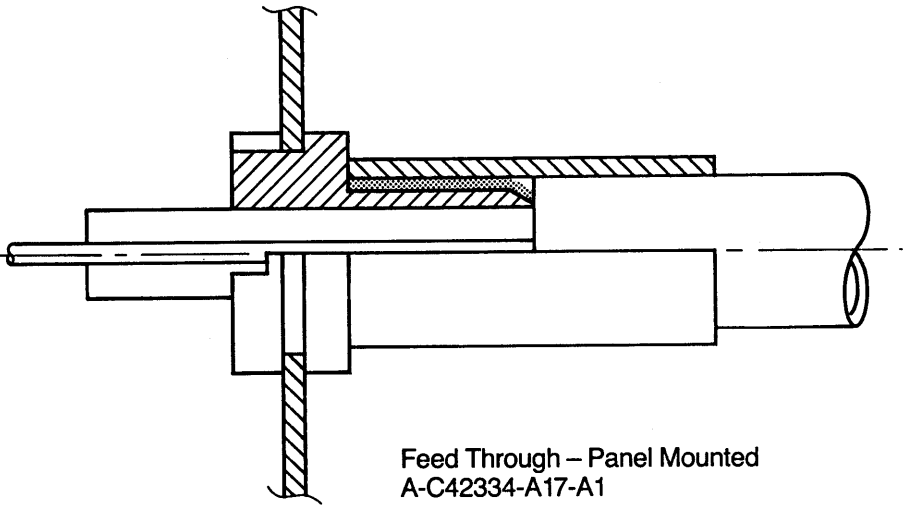
Female connector-PCB mounted
A-C42334-A76-A114



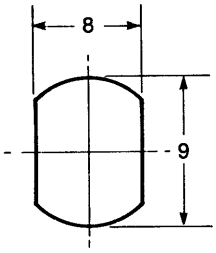
Female connector-panel mounted -rear access
A-C42334-A76-A14



Female connector-panel mounted -front access
A-C42334-A80-A18



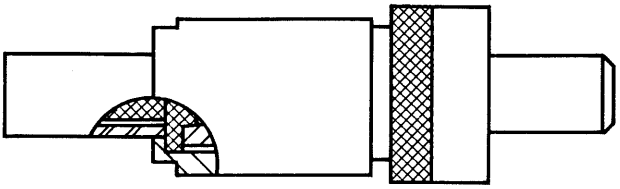
Feed Through – Panel Mounted
A-C42334-A17-A1



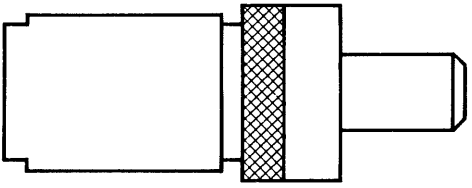
Panel Cut Out

In-line male

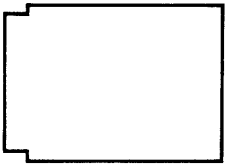
2.5/6.0



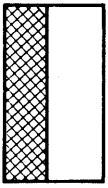
Connector Assembly



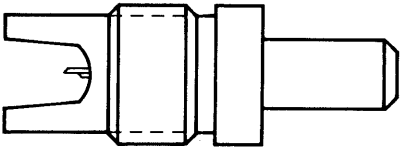
Body Assembly



Sleeve



Ring-Locking



Body