

Connector Termination

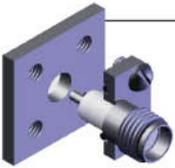
Zeeteq provides a wide range of connectors that can be terminated to panel, PCB, or coaxial cable.

Panel Mount

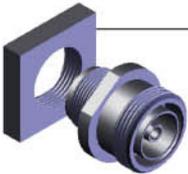
The panel mount connectors commonly act as the input or output ports of RF/microwave components such as filter, coupler, duplexer, antenna. They are attached onto the wall of screen box of a device to transmit signal, therefore the correct mounting hole on the wall must be available.



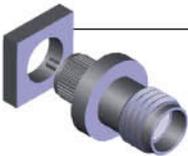
The rear mount bulkhead connector is fastened by a nut onto the wall of component or cabinet. The sealing and non-sealing versions is available.



The flange mount connector is a most common use to provide the high frequency performance. It can be attached by 2 or 4 screws.



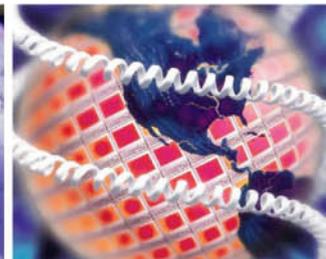
The thread mount connector is a cost-saving solution for panel mount. To survive in vibration environment, the thread glue is always applied.



The press-in connector is a time-saving solution. The press tooling is used to press the connector into the drill hole on the panel, the press force depend on the size of the connector.

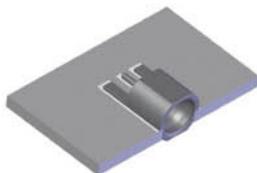
PCB Mount

PCB mount connector has four mount styles. Through hole mount is a standard configuration for PCB application which provide the maximum reliability. Surface mount makes automatic manufacture possible and reduce the EMI greatly. Press in is the solder free and time-saving style, however, a special tool is in need. Edge mount makes the orientation of connector interface go along PCB plane.

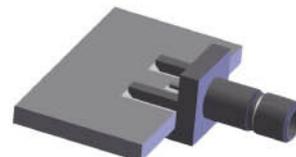




(a)



(b)



(c)



(d)



(e)

PCB mount connector

- (a) surface mount (b) edge mount (c) edge mount
 (d) press in (e) through hole

Cable mount

Connector is always soldered onto semi-rigid/flexible cable because of its tin plated tube jacket, which assures that the best mechanical and electrical performance can be achieved.

For flexible cable, crimp is used in manufacturing environment where crimp tooling is available because crimp can be done in the least amount of time and labor and with the most reliability and consistency.

Clamp is preferred in weather-exposed application because of inner gasket sealing, the specialized tools is not necessary when assembly, therefore it is popular in field installation.

Type			
Name	solder	crimp	clamp
Preferred	manufacturing	manufacturing	field installation
Advantage	reliability	consistency	can be re-used
Disadvantage	only for semi-rigid cable	can not be re-used; poor PIM	need extra time to make termination