Ironwood ELECTRONICS

ISO 9001:2015 with design CERTIFIED   RoHS   ITAR INTERNATIONAL TRAFFIC IN ARMS REGISTERED

RoHS **High Performance Sockets & Adapters**

Emulator Adapters

Ironwood supports developers using in-circuit emulators with adapter products to assist in applications where an emulator pod cannot plug directly into the system being developed.

In-circuit Emulator Support

When an emulator pod cannot plug directly into the system being developed, the most common incompatibility issues are space and height restrictions. Often, incompatibility between the emulator pod head and the actual target device is also a concern.

Many of the emulator adapters in our catalog are similar to the picture shown on the right. The adapter is surface mounted to the target board and presents an emulator specific interface to the pod head.

A modular approach is often more desirable because it allows the developer to test the target system in place while switching between the emulator and the actual IC device.

Ironwood's product line provides convenient, yet highly reliable connections to in-circuit emulators:

Standard Parts

- PGA Male/Male sockets
- Extenders & Rotators
- Surface Mount Feet

We have employed rigid-flex material for some custom applications. If you cannot find an emulator adapter system that meets your needs, please call us: **(+39) 0536-811616**
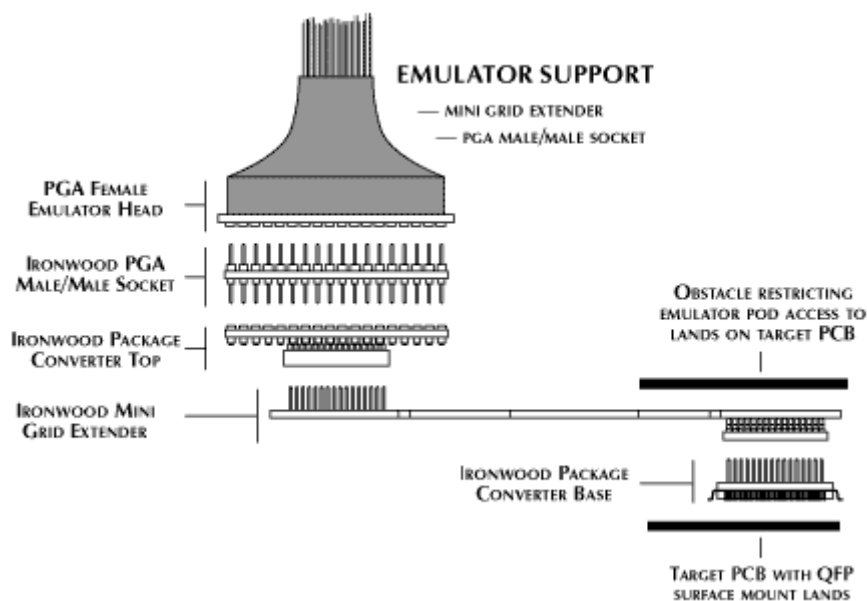
An Example Modular Application:

This drawing illustrates a modular emulator adaptor solution. At the top is a PGA emulator pod head. Using a PGA male/male socket, the pod plugs into a PGA to MGA package converter, which is in turn connected to an extender.

The extender then plugs into a surface mounted "foot" or "package emulator base"".

The modular approach also allows for incorporating probe boards and sockets.

EMULATOR SUPPORT
— MINI GRID EXTENDER
— PGA MALE/MALE SOCKET

PGA FEMALE EMULATOR HEAD

IRONWOOD PGA MALE/MALE SOCKET

IRONWOOD PACKAGE CONVERTER TOP

IRONWOOD MINI GRID EXTENDER

OBSTACLE RESTRICTING EMULATOR POD ACCESS TO LANDS ON TARGET PCB

IRONWOOD PACKAGE CONVERTER BASE

TARGET PCB WITH QFP SURFACE MOUNT LANDS

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