

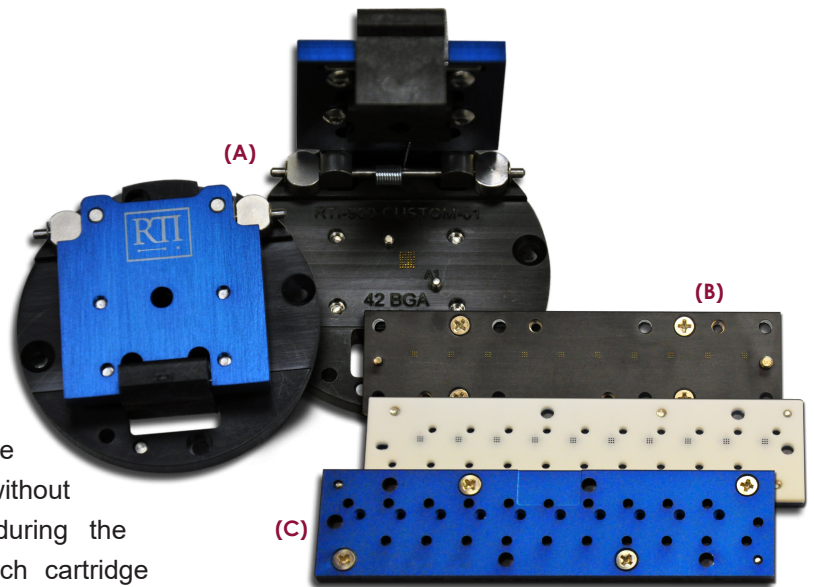
RTI INTERFACE SOLUTIONS



Multi-Site Universal “Cartridge Based” Test Sockets

PRODUCT OVERVIEW:

RTI’s cartridge based test sockets are an ideal solution for OEMs that need to efficiently test small, fragile devices across a spectrum of test processes. The DUT are loaded into a multi-site device cartridge (C). The bottom section aligns the devices to the pin based compression mounted socket. The cartridges are easily removed from the socket on one DUT board and loaded onto another single or multi-site socket on a different DUT board without the need to handle individual devices during the process. The number of test sites on each cartridge depends on your DUT size and pin count. Additional customization is available to meet your test requirements.



- (A): Single site socket aligns to cartridge for indexed testing. Shown here both opened and closed.
- (B): Multi-site compression mount socket with standard or custom footprints. Number of sites depends on DUT size.
- (C): Shown in blue and white - Cartridge that holds devices moves between DUT boards without DUT handling

CARTRIDGE PRODUCT FEATURES:

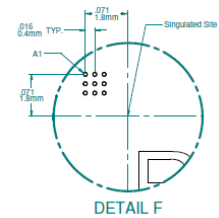
- ◆ Universal arrays justify A1 to top left corner
- ◆ Overall dimensions do not change for range of sockets
- ◆ Same mounting and keep-outs used across all sockets
- ◆ Cartridge provides for air flow to device top and sides
- ◆ Cartridge provides for ball alignment across individual sites
- ◆ Cartridge provides precise alignment for single site ATE socket for real time point testing of individual sites
- ◆ Cartridge holds devices in tray when transferring between sockets, minimizing device handling between test



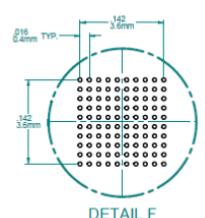
Cartridge (C) awaiting DUT loading. Airflow channels visible.

SOCKET PRODUCT FEATURES:

- ◆ Single site test socket has indexing pins to mate with each of the sites on cartridge. Custom footprints available for your existing DUT/Burn-in PCBs
- ◆ Socket adds no pressure to the DUT except what is applied by the pin force - determined by device pitch and your performance requirements
- ◆ A single socket can test cartridges of different array sizes
- ◆ Designed for tight pitches and low pin counts. Ideal for MEMS devices and other small/fragile devices



Cartridge drilled for 3x3 array device



Compatible with socket drilled for 10x10 devices