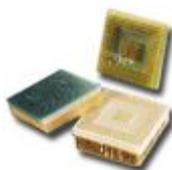




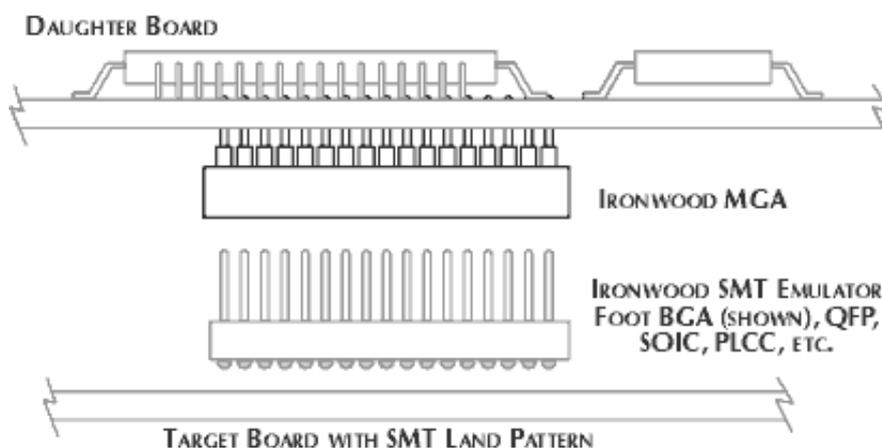
**High Performance
Sockets & Adapters**

MGA Receptacles

"Socket receptacles" are parts that present a pluggable female interface. Depending on the pattern, they can be used with our land sockets, industry standard ZIF and production sockets, or other parts with compatible arrays of pins. Socket receptacles typically plug into one of our surface mount emulator feet, although we do offer some QFP socket receptacle parts (RE-QFE) that are surface mounted directly to the target system. These 0.05" pitch mini-grid (MGA) pin array interconnects are typically used as mating connectors to many Ironwood parts such as SMT emulator bases, probe boards, and extenders. We offer them in several Female/Male and Male/Male configurations. Our MGA receptacles all use gold plated pins and connectors.



Ironwood Electronics has designated pin arrays with centers greater than 0.039" and less than 0.100" (>1.0mm and <2.45mm) as mini grid arrays (MGA). 0.100" centers are industry standard PGAs. Pin arrays with centers 1.0mm and smaller are designated as micro grid arrays (UGA). MGA and UGA receptacles are typically used as mating connectors to the Ironwood surface mount (SMT) foot product line. A daughter board designed to accommodate the MGA part will plug onto an Ironwood SMT foot allowing connection to a target PCB SMT land pattern.



TYPICAL MGA APPLICATION

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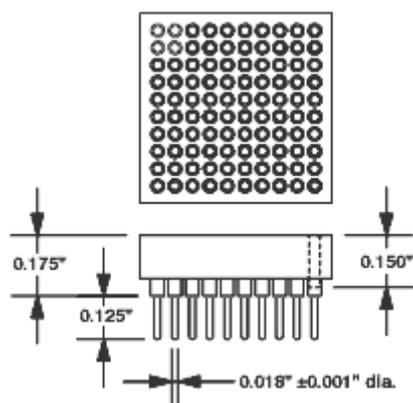
E-mail: bce@bce.it

Web: www.bce.it

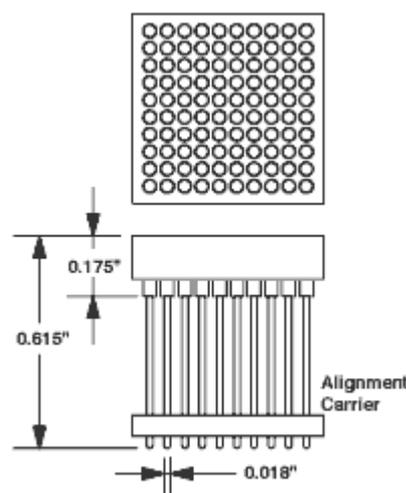
The Ironwood mini grid arrays which typically have 0.050" centers are available in three common designs:

- (-01) Female/Male with 0.125" tail,
- (-02) Female/Male with 0.440" tail,
- (-03) Male/Male.

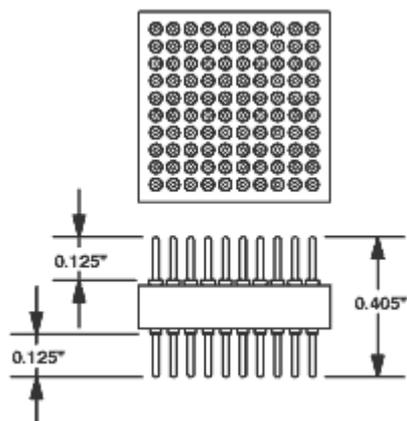
The -01 and -02 MGAs accept a pin diameter from 0.014" to 0.022". Seating depth for an 0.018" diameter mating pin is 0.150".



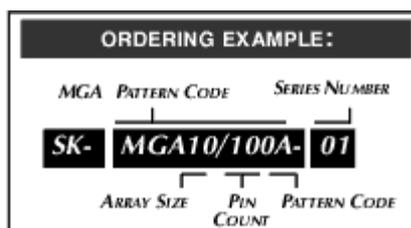
SK-MGxxx/xxxx-01



SK-MGxxx/xxxx-02



SK-MGxxx/xxxx-03



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(September, 2020)