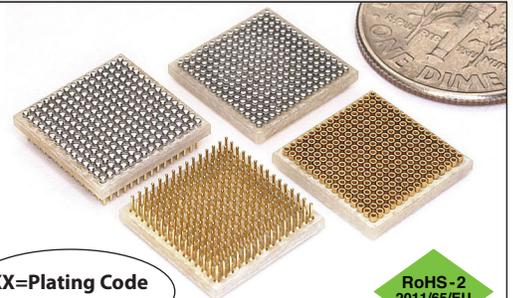


BALL GRID ARRAYS

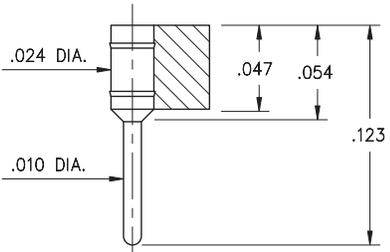
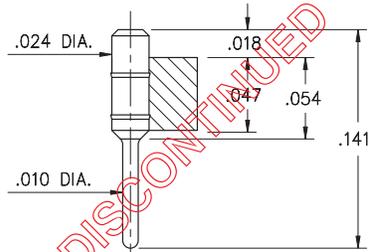
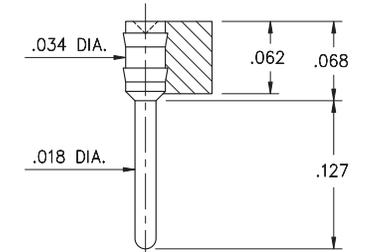
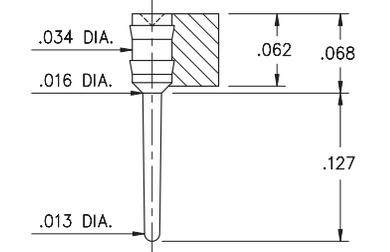
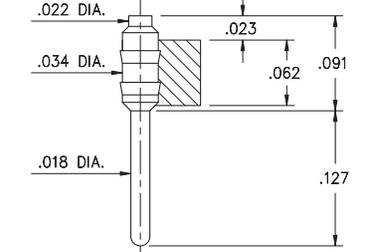
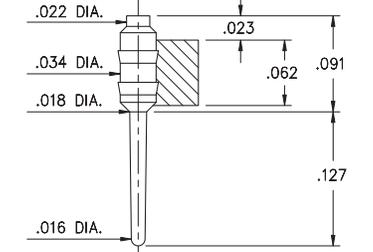
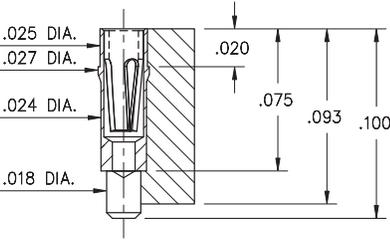
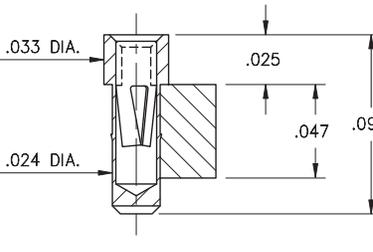
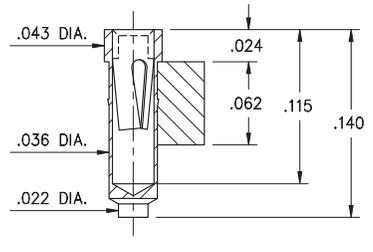
SERIES 540,579,582,587,599 • FOR 0,8mm GRID, 1mm GRID & .050" GRID • MALE PIN ADAPTERS AND FEMALE SOCKETS

- BGA adapter/socket systems are a reliable way to make BGAs pluggable. They may also be used as a high density board-to-board interconnect
- The BGA device for a 0,8mm or 1mm grid is soldered to a 9929 adapter (or a 7929 adapter is soldered to a PCB), then either one can be plugged into a 9953 (0.8mm grid) or 9928 (1mm grid) surface mount socket
- The BGA device for a .050" grid is soldered to a 8737/4048 adapter (or a 4098/4054 adapter is soldered to a PCB), then either one can be plugged into a 8214 surface mount socket
- Both socket and adapter have the same footprint as the BGA device
- Insertion force is .4N per pin for standard pins 7929/9929, 8737/4098. Tapered EZ-IN pins 4048/4054 reduce insertion force to only .08N, and are recommended for pin counts greater than 500
- Insulator material is FR-4 epoxy having a TCE to match the BGA device and circuit board
- For Electrical, Mechanical and Environmental Data, see page 141 for details



XX=Plating Code
See Below

RoHS-2
2011/65/EU

<p>SERIES 599...429 BGA MOUNT TYPE #9929</p>  <p>For 0,8mm & 1mm Grid Only</p>	<p>SERIES 579...429 PCB MOUNT TYPE #7929</p>  <p>For 0,8mm & 1mm Grid Only</p>	<p>SERIES 587...437 BGA MOUNT TYPE #8737</p>  <p>For .050" Grid Only</p>
<p>SERIES 540...448 EZ-IN BGA MOUNT TYPE #4048</p>  <p>For .050" Grid Only</p>	<p>SERIES 540...498 STANDARD PCB MOUNT TYPE #4098</p>  <p>For .050" Grid Only</p>	<p>SERIES 540...454 EZ-IN PCB MOUNT TYPE #4054</p>  <p>For .050" Grid Only</p>
<p>SERIES 599...453 SURFACE MOUNT TYPE #9953</p>  <p>For 0,8mm Grid Only</p>	<p>SERIES 599...428 SURFACE MOUNT TYPE #9928</p>  <p>For 1mm Grid Only</p>	<p>SERIES 582...414 SURFACE MOUNT TYPE #8214</p>  <p>For .050" Grid Only</p>
<p>Visit www.mill-max.com/bga to configure a formal part number</p>	<p>SPECIFY PLATING CODE XX =</p> <p>Sleeve (Pin)  11  10 μ" Au</p> <p>Contact (Clip)  10 μ" Au</p>	<p>SPECIFY PLATING CODE XX =</p> <p>Pin Plating  10  10 μ" Au</p>

