Spring Pin Socket for 1mm pitch BGA and LGA

Socket your BGA2595 using Extreme Temperature Socket with Superior Electrical Performance

EAGAN, MN - May, 2020 - Ironwood Electronics recently introduced a new socket addressing high performance requirements for Burn-in and Test applications - SBT-BGA-6048. The contactor is a stamped spring pin with 19 gram actuation force per ball and cycle life of 125,000 insertions. The self inductance of the contactor is 0.93 nH, insertion loss of < 1 dB at 14.1 GHz and capacitance 0.097pF. The current capacity of each contactor is 4 amps at 85°C temperature rise. Socket temperature range is -55°C to +125°C. Socket features a floating guide for precise ball to pin alignment. Socket also includes removable compression plate. The specific configuration of the package to be tested in the SBT-BGA-6048 is BGA or LGA, 70x70mm body size, 1.27mm pitch and 54x54 ball array. To use, drop IC into the socket, place the compression plate, swivel the lid, and apply down force using center compression screw (recommended torque specified in the datasheet). When using with BGA, removable ball guide needs to be placed over the pin array. When testing LGA, ball guide is not needed and should be removed. This socket can be used for hand test and quick turn custom burn-in applications with the most stringent requirements.