# Raised SMT soldering Test Socket

For BGA / Bumped chip / WLCSP / eMMC Package
1.27 mm pitch (from 1.27 mm upwards)
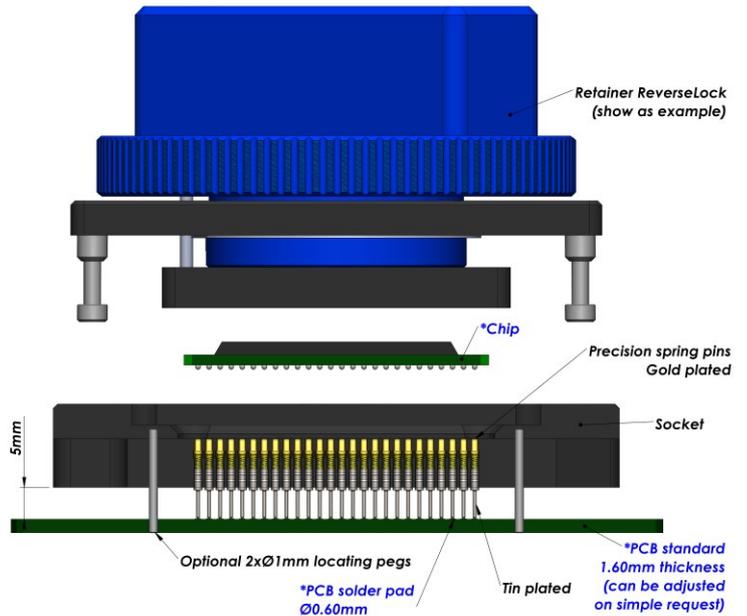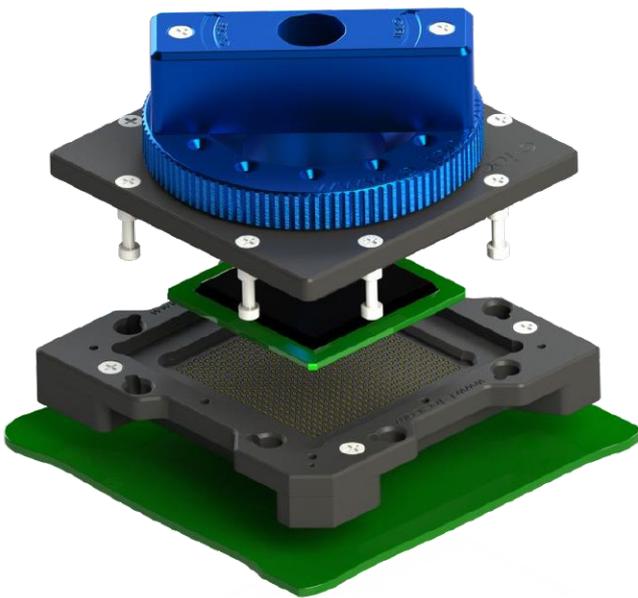
E-tec Interconnect AG is the world leading Test socket manufacturer

The Raised SMT socket lifts the socket above close-by components on PCB and uses the same footprint as your chip. Socket is simply placed and reflowed onto the PCB in the same way as the chip and it only requires a small amount of additional board space. Raised SMT sockets are available with all retention systems. We aim to solve your requirements. Please note, we will always request the chip data to ensure we offer a compatible socket. For Raised SMT sockets in general, E-tec Interconnect AG recommends the use of locating pegs, which can be soldered to the PCB for added mechanical strength.

Specifications contact type code 1229			
Application	Surface mouting	Force	25 gr
Mounting	Raised SMT	Current rating	2.2 A
Bandwidth (GHz@-1dB)	na	Capacitance pF	na
Contact resistance	<100mOhm	Inductance nH	na
Chip contact tip shape	Single Point tip or Concave tip	Temperature range	-55°C to +150°C
PCB tip shape	Raised SMT	Mating cycles	100 K

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How to order

BU # # # # # -1229 - # # # # # # 95A

Shape of tip	Nbr of contacts	Contact type	Plating	Option code (see page 16-19)
U : Concave	Depends on ballcount of chip	**29 :** Raised SMT – Dimension A = 5.00 mm	**95A:** Tin/Gold + Alignment plate	**D :** Dead bug
Options:				**M :** Multi frames
P : Pointed			Other on request	**U :** Multi packages
S : Spring				**S :** Custom opening slot
C : Crown				**L :** Locating pegs
				H : Heatsink

Retention frame type (Lid) (see page 12-15)		Grid code / Config. code	Option code (continued)
W: TwistLock	**S :** ScrewLock	Will be given by the factory after receipt of the chip datasheet	**F :** Fan + Heatsink
F : FastLock	**Q :** Open QuickLock (<200 contacts)		**P :** Thermal drain pad
B : SpringLock	**D :** QuickLock (>200 contacts)		**W :** Transparent lid
H : Open Clamshell Alu (<200 contacts)	**M :** Injection Molded ClamShell		**I :** Steel retention lid
J : Clamshell Alu (>200 contacts)	**R :** ReverseLock		**B :** Aluminium retention lid
L : Open Lever Clamshell Alu (>200 contacts)	**T :** SlimLock		**T :** Torque tool fixture
			G : Handling button