

Ball / Land Grid Array Sockets

Knob Lock Type

(patents pending)



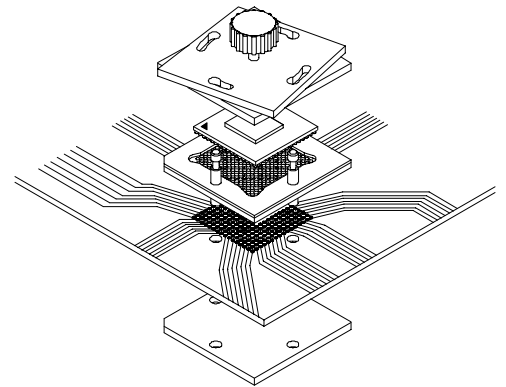
E-tec is now the leading BGA socket manufacturer.

Sockets range from 19 x 19 upwards contacts with even larger parts currently in design. Some of the existing patterns are shown on the following pages, many more exist and your exact requirements can easily be added to our extensive product library. The SMD socket is simply placed and reflowed onto the PCB in the same way as the chip and occupies only a small amount of additional board space. The knob lock socket extends ≈ 6,00 mm beyond the outer ballrow with no fixing holes.

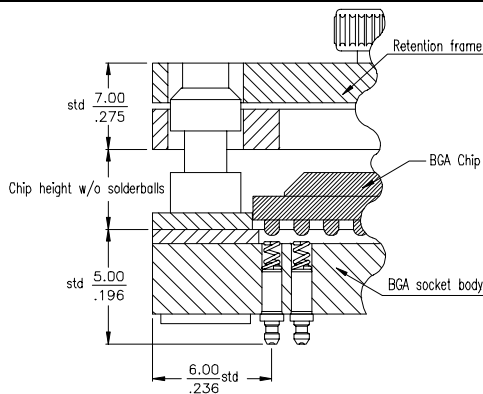
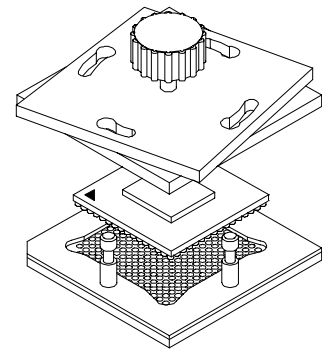
We aim to solve your requirements - many different terminals and configurations are available. Your custom sets our standards!

Please note, we will always request the chip data to ensure we offer a compatible socket.

solderless compression type



SMT and soldertail type



dimensions if contact type 30

SMT Style		Soldertail Style		Specifications	
				Mechanical data	
				Contact life	min. 100000 cycles
				Retention System life	1000 cycles min.
				Solderability	exceeds MIL-STD-202 Method 208
				Individual contact force	40 grams max.
				Material	
				Insulator	Glass Epoxy FR 4
				Terminal	Brass
				Contact	BeCu
				Electrical data	
				Contact resistance	< 30 mΩ
				Current rating	1 A max.
				Insulation resistance at 500V DC	> 10 ⁴ MΩ
				Breakdown voltage at 60 Hz	1 KV min.
				Operating temperature	-55°C to +150°C ; 220°C for 10 sec.

How to order

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Device Type B = Ball Grid L = Land Grid C = Column Grid	Device Material C = Ceramic P = Plastic	Pitch 10 = 1,00mm 12 = 1,27mm 15 = 1,50mm	Grid Code <i>please refer to the footprint pages</i>	Config Code <i>will be given by the factory after receipt of the chip datasheet</i>	Plating 01 = tin/gold 11 = gold only for solderless Compression Type
Nbr of contacts <i>refer to the next pages</i>		Contact Type 30 = standard SMD („A“ = 1,20/.047) 29 = raised SMD („A“ = 5,00/.197) 70 = solder tail 90 = solderless Compression Type			