

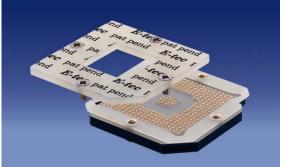
Ball / Land Grid Array Sockets Screw Lock Type

EP patents 0829188, 0897655 Patents pending in other countries.



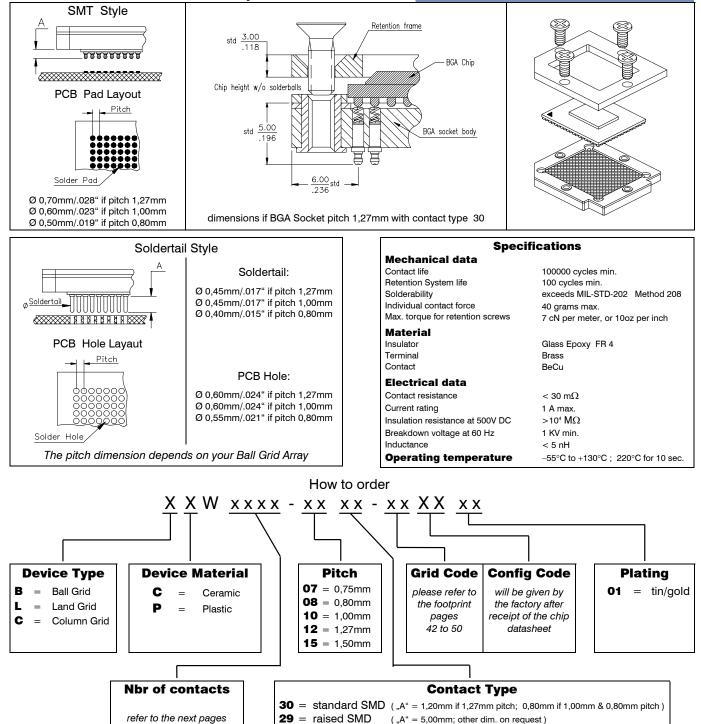
E-tec is now the leading BGA socket manufacturer.

Sockets range from 5 x 5 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 screw lock socket extends \approx 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!



("A" = 3,30mm if 1,27mm pitch; 2,80mm if 1,00mm & 0,80mm pitch)

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



70 = solder tail

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Torque Screwdrivers Limiting, Internally Adjustable

Designed and manufactured to meet or exceed the accuracy and repeatability requirements of ISO 6789:1992.
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Various models that range from 0.7 ozf.in to 120 lbf.in.
Precision radial ball clutch "slips-free" when the preset torque is reached preventing overtorquing.
Thrust bearings insure that the torque setting is independent of any end load applied by the operator.
Tamper-proof internal adjustment.
All models provide bi-directional operation. Available with a one- way clutch system so the screwdriver will operate in one direction but lock solid in the opposite direction for easy screw removal.
Can be clean room modified upon request.

Four different colored lightweight aluminum handles allow color coding of specific torque values in production areas.

	1/4" MALE SQUARE DRIVES		1/4" FEMALE HEX DRIVES		Presettable Torque Ranges			Weight	
Model	ltem#	Color	ltem#	Color	American	<i>S.I</i> .	Metric	oz.	g.
Micro Minimaster	-	-	020083	Red	3 - 32 ozf.in	2 - 22 cN.m	216 - 2300 gf.cm	1.8	50
Minimaster	-	-	020074	Gold	0.7 - 32 ozf.in	0.5 - 22 cN.m	50 - 2306.2 gf.cm	2.5	72
Minor	020062	Blue	020066	Blue	3 ozf.in - 12 lbf.in	2 - 135 cN.m	200 gf.cm - 14 kgf.cm	7.4	210
	020063	Gold	020067	Gold					
	020064	Green	020068	Green					
10000000 00000 00000 0	020065	Red	020069	Red					
Standard	020075	Blue	020079	Blue	8 ozf.in - 36 lbf.in	6 - 406 cN.m	600 gf.cm - 40 kgf.cm	9.9	280
	020076	Gold	020080	Gold					
	020077	Green	020081	Green					
CT 12204-00 - 520-140 - 500-000 11	020078	Red	020082	Red					
TLS 1360	020060	Black	020061	Black	10 - 120 lbf.in	113 - 1360 cN.m	11 - 138 kgf.cm	11.5	325