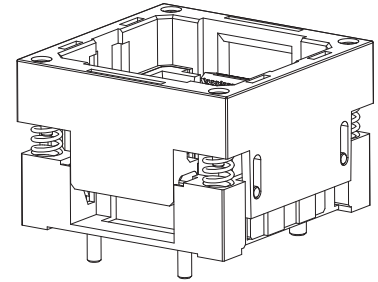


Burn-In Sockets MPS Series

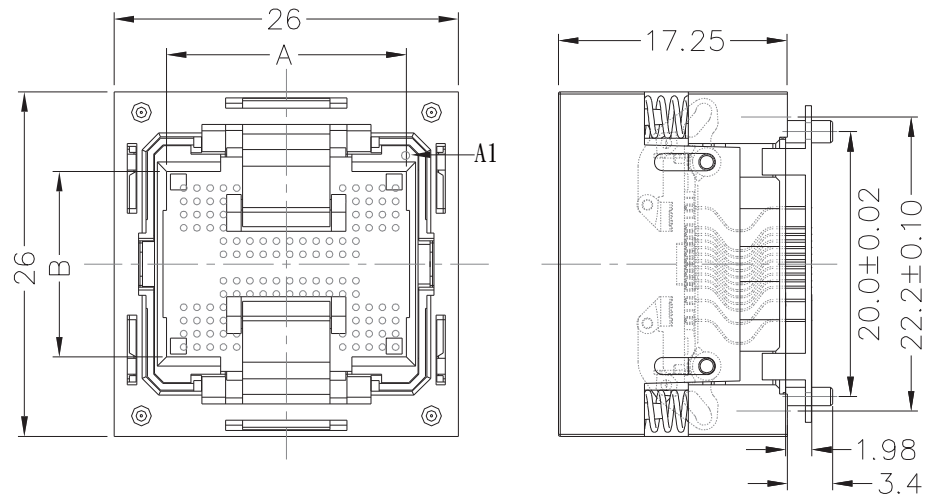
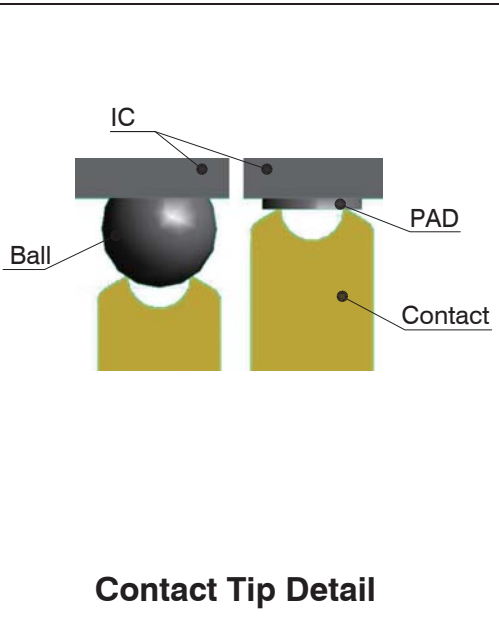
OPEN TOP BGA SOCKET



Open Top Style. Accommodates Chip Scale package with 1.0mm pitch.
 Compact size and low Actuation Force.
 4-Point pinch design for enhanced electrical contact.
 Field exchangeable package location plate.
 "U" contact supports any type of solder ball shape and composition.



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



You may request any specific socket dimension from info@e-tec.com
 For top view socket dimension pls. ref. to separate catalog page

Applicable IC	Specifications									
<table border="1"> <tr> <td>A</td> <td>12.00/14.00</td> <td>±0.10 mm</td> </tr> <tr> <td>B</td> <td>16.00/16.50/18.00</td> <td>±0.10 mm</td> </tr> <tr> <td>C</td> <td>0.78/0.98/1.00/1.50</td> <td>±0.05 mm</td> </tr> </table>	A	12.00/14.00	±0.10 mm	B	16.00/16.50/18.00	±0.10 mm	C	0.78/0.98/1.00/1.50	±0.05 mm	<p>Mechanical data</p> <p>Contact life: 25,000 cycles Contact Normal Force: 3-5g Per Pin Operation Force: 2.0Kg max.</p> <p>Material</p> <p>Insulator (RoHS compliant): PES, PEI Contact (RoHS compliant): Beryllium Copper Alloy Contact plating: Gold cover Nickel</p> <p>Electrical data</p> <p>Contact resistance: < 30 mΩ Current rating: 1A Insulation resistance at 500V DC: 1,000 mΩ</p> <p>Operating temperature: -55°C to +175°C</p>
A	12.00/14.00	±0.10 mm								
B	16.00/16.50/18.00	±0.10 mm								
C	0.78/0.98/1.00/1.50	±0.05 mm								

Recommendations:

Solder paste – Please use a solder paste w/o any silver!

Solder profile – Please refer to our website www.e-tec.com

E-tec solderless sockets are adapted to a standard PCB thickness of 1.60mm. For a different PCB thickness, please inform E-tec first!

For high pincount SMT sockets, E-tec recommends the use of a pluggable thru-hole socket mounted into a MiniGrid Adapter (see also page 10, 11 & 12 for more details)

For SMT sockets in general, E-tec recommends the use of locating pegs which can be soldered to the PCB for added mechanical strength.

How to order

MPS - x x x - 10 - xx.x/xx

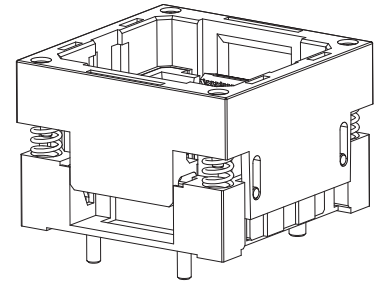
Nbr of contacts	Pitch	Package Size
088	04 = 0,40mm	12.0/16-0.98 for 088 pad count
132	05 = 0,50mm	14.0/16.5-0.78 for 136 pad count
136	06 = 0,65mm	14.0/16.5-0.98 for 136 pad count
152	07 = 0,75mm	12.0/18-0.78 for 132 pad count
	08 = 0,80mm	12.0/18-0.98 for 132 pad count
	10 = 1,00mm	12.0/18-1.5 for 132 pad count
	12 = 1,27mm	
	15 = 1,50mm	
	others on request	

Burn-In Sockets MPS Series

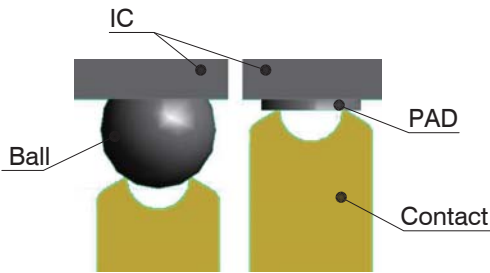
OPEN TOP BGA SOCKET



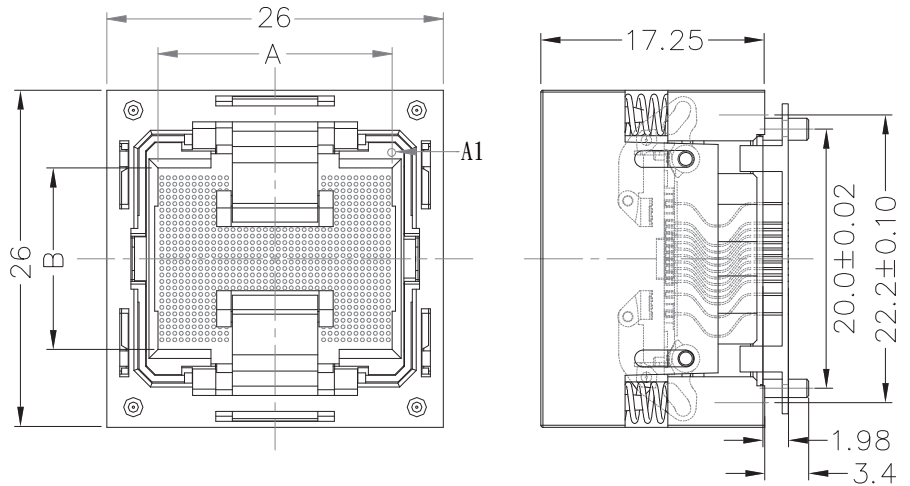
Open Top Style. Compact size and low Actuation Force.
 Accommodates BGA chip package with 0.50/0.65/0.80/1.00mm pitch.
 4-Point pinch design for enhanced electrical contact.
 Unique mechanism to eliminate solder ball sticking.
 Field replaceable package location plate.



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



Contact Tip Detail



You may request any specific socket dimension from info@e-tec.com

For top view socket dimension pls. ref. to separate catalog page

Specifications

Mechanical data

Contact life 25,000 cycles
 Contact Normal Force 3-5g Per Pin
 Operation Force 2.0kg min.

Material

Insulator (RoHS compliant) PES, PEI
 Contact (RoHS compliant) Beryllium Copper Alloy
 Contact plating Gold cover Nickel

Electrical data

Contact resistance < 30 mΩ
 Current rating 1A
 Insulation resistance at 500V DC 1,000 mΩ

Operating temperature

-55°C to +175°C

Recommendations:

Solder paste – Please use a solder paste w/o any silver!

Solder profile – Please refer to our website www.e-tec.com

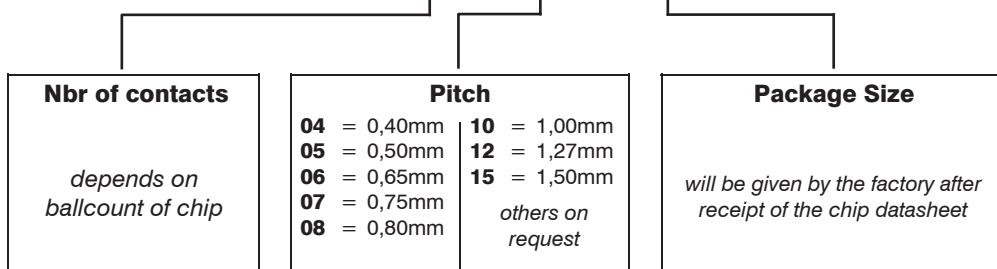
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For high pincount SMT sockets, E-tec recommends the use of a pluggable thru-hole socket mounted into a MiniGrid Adapter (see also page 10, 11 & 12 for more details)

For SMT sockets in general, E-tec recommends the use of locating pegs which can be soldered to the PCB for added mechanical strength.

How to order

MPS - xxx - xx - xx.x/xx

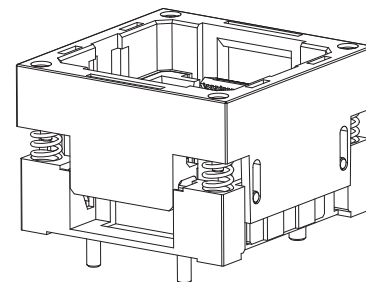


Burn-In Sockets MPS Series

OPEN TOP BGA SOCKET



Open Top Style. Compact size and low Actuation Force.
 Accommodates BGA chip package with 0.50/0.65/0.80/1.00mm pitch.
 4-Point pinch design for enhanced electrical contact.
 Unique mechanism to eliminate solder ball sticking.
 Field replaceable package location plate.



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

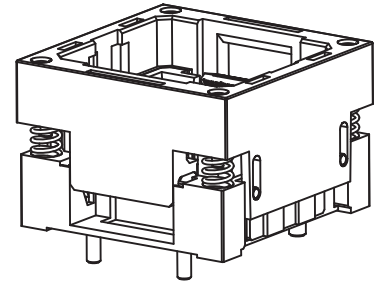
Pitch	No. of Contacts	Package Size(mm)	Part Number
0.5	40	8x9.2	MPS-040-05-8.0/9.2
	48	6x4	MPS-048-05-6.0/4
	56	6x6	MPS-056-05-6.0/6
	64	5x5	MPS-064-05-5.0/5
	84	6x6	MPS-084-05-6.0/6
	88	7x7	MPS-088-05-8.0/8
	105	6x6	MPS-105-05-6.0/6
0.8	141	11.5x13	MPS-141-05-11.5/13
	25	5x5	MPS-025-08-5.0/5
	30	5x5	MPS-030-08-5.0/5
	48	6x10	MPS-048-08-6.0/10
	48	6x11	MPS-048-08-6.0/11
	48	6x8	MPS-048-08-6.0/8
	48	6x9	MPS-048-08-6.0/9
	48	6.15x8.15	MPS-048-08-6.15/8.15
	48	8x10	MPS-048-08-8.0/10
	48	9x11	MPS-048-08-9.0/11
	48	9.5x12	MPS-048-08-9.5/12
	48	10.95x11.95	MPS-048-08-10.95/11.95
	48	11x12	MPS-048-08-11/12
	54	8x8	MPS-054-08-8.0/8
	56	7x9	MPS-056-08-7.0/9
	56	8x10	MPS-056-08-8.0/10
	56	8x11.6	MPS-056-08-8.0/11.6
	56	8x11.6	MPS-056-08-8/11.6
	56	8x13	MPS-056-08-8.0/13
	59	8x11.6	MPS-056-08-8.0/11.6
	60	8x10	MPS-060-08-8.0/10
	60	8x11.6	MPS-060-08-8.0/11.6
	60	11x13	MPS-060-08-11.0/13
	63	7x11	MPS-063-08-7.0/11
	64	7x7	MPS-064-08-7.0/7
	64	8x11	MPS-064-08-8.0/11
	64	8.1x11.1	MPS-064-08-8.1/11.1

Burn-In Sockets MPS Series

OPEN TOP BGA SOCKET



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 Accommodates BGA chip package with 0.50/0.65/0.80/1.00mm pitch.
 4-Point pinch design for enhanced electrical contact.
 Unique mechanism to eliminate solder ball sticking.
 Field replaceable package location plate.



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

Pitch	No. of Contacts	Package Size(mm)	Part Number
1.0	64	7.95x8.95	MPS-064-10-7.95/8.95
	64	9x9	MPS-064-10-9.0/9
	64	9x11.5	MPS-064-10-9.0/11.5
	64	10.95x11.95	MPS-064-10-10.95/11.95
	66	7.47x11.02	MPS-066-10-7.47/11.02
	72	10x10	MPS-072-10-10.0/10
	80	7x9	MPS-080-10-7.0/09
	80	8x8	MPS-080-10-8.0/08
	80	8x10	MPS-080-10-8.0/10
	80	8x11	MPS-080-10-8.0/11
	80	9x11.5	MPS-080-10-9.0/11.5
	81	8x8	MPS-081-10-8.0/08
	81	14x18	MPS-081-10-14.0/18