

Description

These **flexible solder paste BGA rework stencils** are laser cut from high quality, anti-static polymer film with a residue-free adhesive backing. Because they are self-sticking, no tape or fixturing is needed. The adhesive seals around each BGA pad to prevent solder paste from bleeding under the stencil when the paste is applied. Easy to use and leave no residue on the board surface.

Typical BGA rework stencils are made from metal and require fixturing or taping to position them and hold them in place. Metal stencils warp easily, and if the circuit board has undulations in the board surface, the metal stencil will not sit flat. Since there is no gasket-like seal, solder paste can easily bleed under metal stencils when paste is applied with a squeegee. Also solder paste can spill out over the sides of flat metal stencils contaminating the circuit board surface. Metal stencils require tedious stencil cleaning. To use metal stencils effectively, a high level of operator skill is required.

Features & Benefits

- Residue-free adhesive backing seals around BGA pads to prevent solder paste bleed
- Laser cut ensures precise aperture size
- Disposable – eliminates tedious stencil cleaning
- Flexible – conforms to board surface
- Fold-up sides for easy placement and solder paste containment
- Low cost
- Packaged in a handy ESD safe carrying case

Applications

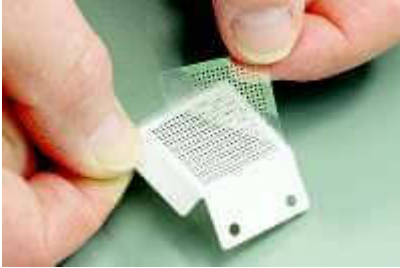
- Applying solder paste for BGA rework

How Flextac BGA Rework Stencils Work



- 1) Select the proper size and fold up the side tabs

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2) Peel off the cover film exposing the adhesive backing



3) Place in position using the handy side tabs

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4) Apply paste using a standard metal squeegee



5) Remove the stencil and save for another reuse or dispose

Ordering Information

Flextac BGA Rework Stencils



Part number	Description
CRC201-3120	Flextac BGA Rework Stencil Kit
Includes:	
40 (2 x 20 sizes)	Flextac BGA Stencils
1	Squeegee Handle
3	Squeegee Blades (3 different sizes)
1	Stainless Steel Spatula
1	Conductive Storage Case

Individual Stencils

Supplied in packages of 10

Flextac BGA Rework Stencils



Part number	Thickness	Aperture	Ball count	Ball pattern	Pitch	Component body
CRCB8-005-1515-000	.008 (0.203 mm)	Enquire	5		.050 (1.27 mm)	15 mm x 15 mm Connector
CRCB4-048-0709-075	.004 (0.102 mm)	.017 (0.432 mm)	48	6 x 8 Array	.0295 (0.75 mm)	7 mm x 9 mm
CRCB6-064-1113-100	.006 (0.152 mm)	.020 (0.508 mm)	64	8 x 8 Array	.039 (1.00 mm)	11 mm x 13 mm
CRCB4-064-1013-100	.004 (0.102 mm)	.020 (0.508 mm)	64	8 x 8 Full Array	.039 (1.00 mm)	10 mm x 13 mm
CRCB4-078-0911-080	.004 (0.102 mm)	.017 (0.432 mm)	78	9 x 13 Array	.0315 (0.80 mm)	9 mm x 11.5 mm
CRCB4-084-0814-080	.004 (0.102 mm)	.017 (0.432 mm)	84	9 x 15 Array	.0315 (0.80 mm)	11 mm x 13 mm
CRCB4-090-1113-080	.004 (0.102 mm)	.017 (0.432 mm)	90	9 x 15 Array	.0315 (0.80 mm)	11 mm x 13 mm

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Part number	Thickness	Aperture	Ball count	Ball pattern	Pitch	Component body
CRCB4-096-0915-080	.004 (0.102 mm)	.017 (0.432 mm)	96	9 x 16 Array	.0315 (0.80 mm)	9 mm x 15.5 mm
CRCB4-144-1212-080	.004 (0.102 mm)	.017 (0.432 mm)	144	13 x 13 P4-Row	.0315 (0.80 mm)	12 mm x 12 mm
CRCB4-180-1212-080	.004 (0.102 mm)	.017 (0.432 mm)	180	14 x 14 P5-Row	.0315 (0.80 mm)	12 mm x 12 mm
CRCB4-196-1515-100	.004 (0.102 mm)	.020 (0.508 mm)	196	14 x 14 Full Array	.039 (1.00 mm)	15 mm x 15 mm
CRCB6-208-2323-127	.006 (0.152 mm)	.025 (0.635 mm)	208	17 x 17 P4-Row	.050 (1.27 mm)	23 mm x 23 mm
CRCB6-209-1422-100	.006 (0.152 mm)	.019 (0.483 mm)	209	11 x 19 Full Array	.039 (1.00 mm)	14 mm x 22 mm
CRCB8-255-2121-127	.008 (0.209 mm)	.029 (0.736 mm)	255	16 x 16 Full Array	.050 (1.27 mm)	21 mm x 21 mm
CRCB6-256-1717-100	.006 (0.152 mm)	.021 (0.533 mm)	256	16 x 16 Array	.039 (1.00 mm)	17 mm x 17 mm

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Part number	Thickness	Aperture	Ball count	Ball pattern	Pitch	Component body
CRCB6-256-2727-127	.006 (0.152 mm)	.025 (0.635 mm)	256	20 x 20 P4-Row	.050 (1.27 mm)	27 mm x 27 mm
CRCB4-256-1717-100	.004 (0.102 mm)	.020 (0.508 mm)	256	16 x 16 Full Array	.039 (1.00 mm)	17 mm x 17 mm
CRCB6-272-2727-127	.006 (0.152 mm)	.025 (0.635 mm)	272	20 x 20 P4-Row +4 x 4 Center	.050 (1.27 mm)	27 mm x 27 mm
CRCB8-304-2125-127	.008 (0.203 mm)	.032 (0.813 mm)	304	16 x 19 Full Array	.050 (1.27 mm)	21 mm x 25 mm
CRCB4-324-2323-100	.004 (0.102 mm)	.020 (0.508 mm)	324	22 x 22 P4-Row +6 x 6 Center	.039 (1.00 mm)	23 mm x 23 mm
CRCB4-324-1919-100	.004 (0.102 mm)	.020 (0.508 mm)	324	18 x 18 Full Array	.039 (1.00 mm)	19 mm x 19 mm

Flextac BGA Rework Stencils



Part number	Thickness	Aperture	Ball count	Ball pattern	Pitch	Component body
CRCB8-329-3131-127	.008 (0.203 mm)	.029 (0.736 mm)	329	23 x 23 Array P4-Row + 5 x 5 Center	.050 (1.27 mm)	31 mm x 31 mm
CRCB6-357-2525-127	.006 (0.152 mm)	.025 (0.635 mm)	357	19 x 19 Full Array	.050 (1.27 mm)	25 mm x 25 mm
CRCB8-360-2525-127	.008 (0.203 mm)	.033 (0.838 mm)	360	19 x 19 Array	.050 (1.27 mm)	25 mm x 25 mm
CRCB6-360-2525-127	.006 (0.152 mm)	.025 (0.635 mm)	360	19 x 19 Array	.050 (1.27 mm)	25 mm x 25 mm
CRCB4-363-1717-080	.004 (0.102 mm)	.017 (0.432 mm)	363	20 x 20 P7-Array	.0315 (0.80 mm)	17 mm x 17 mm
CRCB6-429-2727-127	.006 (0.152 mm)	.025 (0.635 mm)	429	21 x 21 Array	.050 (1.27 mm)	27 mm x 27 mm

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Part number	Thickness	Aperture	Ball count	Ball pattern	Pitch	Component body
CRCB4-456-2323-100	.004 (0.102 mm)	.020 (0.508 mm)	456	22 x 22 P7-Row + 6 x 6 Center	.039 (1.00 mm)	23 mm x 23 mm
CRCB4-484-2727-100	.004 (0.102 mm)	.020 (0.508 mm)	484	26 x 26 P5-Row + 8 x 8 Center	.039 (1.00 mm)	27 mm x 27 mm
CRCB4-484-2323-100	.004 (0.102 mm)	.020 (0.508 mm)	484	22 x 22 Full Array	.039 (1.00 mm)	23 mm x 23 mm
CRCB6-552-2525-100	.006 (0.152 mm)	.025 (0.635 mm)	552	24 x 24 Full Array	.039 (1.00 mm)	25 mm x 25 mm
CRCB6-560-4242-127	.006 (0.152 mm)	.025 (0.635 mm)	560	33 x 33 P5-Row	.050 (1.27 mm)	42.5 mm x 42.5 mm
CRCB8-625-3232-127	.008 (0.203 mm)	.032 (0.813 mm)	625	25 x 25 Full Array	.050 (1.27 mm)	32.5 mm x 32.5 mm

Flextac BGA Rework Stencils



Part number	Thickness	Aperture	Ball count	Ball pattern	Pitch	Component body
CRCB4-672-2727-100	.004 (0.102 mm)	.020 (0.508 mm)	672	26 x 26 Full Array	.039 (1.00 mm)	27 mm x 27 mm
CRCB4-676-2727-100	.004 (0.102 mm)	.020 (0.508 mm)	676	26 x 26 Full Array	.039 (1.00 mm)	27 mm x 27 mm
CRCB4-783-2929-100	.004 (0.102 mm)	.020 (0.508 mm)	783	28 x 28 Array	.039 (1.00 mm)	29 mm x 29 mm
CRCB4-900-3131-100	.004 (0.102 mm)	.020 (0.508 mm)	900	30 x 30 Full Array	.039 (1.00 mm)	31 mm x 31 mm
CRCB4-1152-3535-100	.004 (0.102 mm)	.020 (0.508 mm)	1152	34 x 34 Array	.039 (1.00 mm)	35 mm x 35 mm
CRCB4-1156-3535-100	.004 (0.102 mm)	.020 (0.508 mm)	1156	34 x 34 Full Array	.039 (1.00 mm)	35 mm x 35 mm

Part number	Thickness	Aperture	Ball count	Ball pattern	Pitch	Component body
CRCB8-1517-4040-100	.008 (0.203 mm)	.022 (0.559 mm)	1517	39 x 39 Array	.039 (1.00 mm)	40 mm x 40 mm

Next Steps

Our technical sales team are on hand to discuss your application requirements. [Click here](#) to get in touch.

Find out more information on [how to purchase](#).

Supplied by:

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