

# F B P S E R I E S L I S T

## 1. FBP developed L/F and L/F in developing

Product Name	Lead Pitch (mm)	Lead Style	Pad Size (mm*mm)	Die Attach Method	Down Bond	Test	Packing			Reliability	Compatible with
							Tube	T&R	Tray		
WBFBP-02E (0.8x0.6x0.5)	0.44	Dual Sides	0.27*0.45	Eutectic						MSL-1 (Precondition)	
WBFBP-02C (1.0x0.6x0.5)	0.60	Dual Sides	0.4*0.4	Eutectic		√		√		MSL-1 (Precondition)	SOD-923
WBFBP-03D (1.0x1.0x0.5)	0.50 (0.70)	Dual Sides	0.68*0.37	Eutectic		√		√		MSL-1 (Precondition)	SOT-923
WBFBP-03B (1.2x1.2x0.35)	0.80	Dual Sides	0.6*0.45	Epoxy	√					MSL-1 (Precondition)	SOT-723
WBFBP-03B (1.2x1.2x0.5)	0.80	Dual Sides	0.84*0.47	Eutectic Epoxy	√	√		√		MSL-1	SOT-723
WBFBP-02B (1.3x0.8x0.75)	0.80	Dual Sides	0.45*0.40	Eutectic Epoxy	√					MSL-1 (Precondition)	
WBFBP-03A (1.6x1.6x0.5)	1.00	Dual Sides	1.00*0.75	Eutectic Epoxy	√	√		√		MSL-1 (Precondition)	SOT-523
WBFBP-06D (1.6x1.4x0.5)	0.50	Dual Sides	0.5*1.2	Eutectic Epoxy	√	√		√		MSL-1 (Precondition)	
WBFBP-06D (1.6x1.6x0.5)	0.50	Dual Sides	0.5*1.2	Eutectic Epoxy	√	√		√		MSL-1 (Precondition)	SOT-553/563
WBFBP-02Z (2x2x0.85)	1.57	Dual Sides	1.68*1.02	Epoxy	√	√		√		MSL-3	SOD-323
WBFBP-06C (2x2x0.5)	0.65	Dual Sides	0.8*0.45 2 Die Pads	Eutectic Epoxy	√	√		√		MSL-1 (Precondition)	SOT-353/363
WBFBP-06D (2x2x0.6)	0.50	Dual Sides	1.5*0.65	Epoxy		√		√		MSL-1 (Precondition)	
WBFBP-05A (3x3x0.85)	1.00	Dual Sides	1.2*1.9	Epoxy	√	√	√	√		MSL-1 (Precondition)	SOT-23-5
WBFBP-08C (3x3x0.6)	0.65	Dual Sides	1.6*2.4	Epoxy	√		√	√		MSL-1 (Precondition)	
WBFBP-08C (3x3x0.85)	0.65	Dual Sides	1.6*2.4	Epoxy	√	√	√	√		MSL-3	
WBFBP-10D (3x3x0.85)	0.50	Dual Sides	1.6*2.4	Epoxy	√	√	√	√		MSL-1	
WBFBP-10D-A (3x3x0.85)	0.50	Dual Sides	1.6*2.6	Epoxy	√	√	√	√		MSL-3 (Precondition)	
WBFBP-16D (3x3x0.85)	0.50	Quad Sides	1.70*1.70	Epoxy	√	√	√	√		MSL-1	
WBFBP-46E (3x7.6x0.75)	0.40	Quad Sides	4.45*1.7	Epoxy	√		√		√	MSL-3 (Precondition)	
WBFBP-08A (4x4x0.5 or 0.85)	1.00	Dual Sides	0.90*0.90 & 1.12*1.12 2 Die Pads	Eutectic Epoxy	√	√	√			MSL-3	
WBFBP-16C (4x4x0.85)	0.65	Quad Sides	2.3*2.3	Epoxy		√	√	√		MSL-3	
WBFBP-20D (4x4x0.75)	0.50	Quad Sides	2.5*2.5	Epoxy	√	√	√	√		on Testing	
WBFBP-16B (5x5x0.75)	0.80	Quad Sides	3.4*3.4	Epoxy	√		√	√			

WBFBP-32D (5x5x0.85)	0.50	Quad Sides	3.6*3.6	Epoxy	✓	✓	✓	✓		MSL-3	
WBFBP-32D (5.2x6.2x0.85)	0.50	Quad Sides	3.55*4.45	Epoxy				✓	✓	MSL-3	
WBFBP-40D (6x6x0.85)	0.50	Quad Sides	4.4*4.4	Epoxy	✓	✓	✓	✓		MSL-3	
WBFBP-48E (6x6x0.85)	0.40	Quad Sides	4.46*4.46	Epoxy	✓		✓	✓		MSL-3	
WBFBP-46E (6.5x4.5x0.75)	0.40	Quad Sides	5.1*3.1	Epoxy	✓		✓		✓	MSL-1 (Precondition)	
WBFBP-48D (7x7x0.85)	0.50	Quad Sides	5.2*5.2	Epoxy	✓	✓	✓	✓		MSL-3	
WBHBGA-58D (4.5x6x0.85)	0.50	2 Rows	2.15*3.5	Epoxy			✓			MSL-3 (Precondition)	
WBHBGA-72D (6x6x0.85)	0.50	2 Rows	3.3*3.3	Epoxy	✓		✓	✓		MSL-3	
WBHBGA-104D (8x8x0.85)	0.50	2 Rows	4.4*4.4	Epoxy	✓					MSL-3 (Precondition)	
WBHBGA-132D (10x10x0.85)	0.50	2 Rows	6.3*6.3	Epoxy	✓					MSL-3 (Precondition)	
WBHBGA-156D (12x12x0.85)	0.50	2 Rows	7.25*7.25	Epoxy	✓					MSL-3 (Precondition)	

**2. The biggest die size = pad size - 2K; value K changes as below:**

	<b>Down Bond(K)</b>	<b>No Down Bond(K)</b>
<b>Eutectic</b>	<b>0.40</b>	<b>0.05</b>
<b>Epoxy</b>	<b>0.50</b>	<b>0.13</b>

Note: Above FBP products are equal to MLP/LLC/QFN/DFN products by pin to pin.

Prepared by: Vivian Tao







































































































