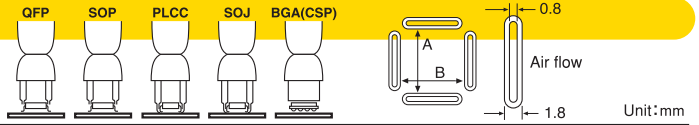


# Optional Nozzles



※The size in Name/Specifications indicates the size of IC package.

Unit:mm

## VACUUM FUNCTION OPERATIVE NOZZLES.

※The vacuum function is not available in the FR-801 and FR-802.

	<b>A1125B</b> QFP 10×10	<b>A1126B</b> QFP 14×14	<b>A1127B</b> QFP 17.5×17.5	<b>A1128B</b> QFP 14×20				
	A:10.2 B:10.2	A:15.2 B:15.2	A:19.2 B:19.2	A:15.2 B:21.2				
<b>A1129B</b> QFP 28×28	<b>A1135B</b> PLCC 17.5×17.5 (44 Pins)	<b>A1136B</b> PLCC 20×20 (52 Pins)	<b>A1137B</b> PLCC 25×25 (68 Pins)	<b>A1138B</b> PLCC 30×30 (84 Pins)	<b>A1139B</b> PLCC 12.5×7.3 (18 Pins)	<b>A1140B</b> PLCC 11.5×11.5 (28 Pins)		
A:29.7 B:29.7	A:18.5 B:18.5	A:21 B:21	A:26 B:26	A:31 B:31	A:9 B:14	A:13 B:13		
<b>A1141B</b> PLCC 11.5×14 (32 Pins)	<b>A1180B</b> BQFP 17 x 17	<b>A1181B</b> BQFP 19 x 19	<b>A1182B</b> BQFP 24×24	<b>A1184B</b> SOJ 18 x 8	<b>A1185B</b> TSOL 13 x 10	<b>A1186B</b> TSOL 18 x 10	<b>A1187B</b> TSOL 18.5×8	<b>A1259B</b> SOP 13×28
A:15 B:13	A:13.6 B:13.6	A:19.2 B:19.2	A:24.2 B:24.2					
<b>A1260B</b> SOP 8.6×18	<b>A1261B</b> QFP 20×20	<b>A1262B</b> QFP 12×12	<b>A1188B</b> PLCC 9 x 9 (20 Pins)	<b>A1189B</b> PLCC 34 x 34 (100 Pins)	<b>A1203B</b> QFP 35 x 35	<b>A1214B</b> SOJ 10 x 26		
8.7	A:20.2 B:20.2	A:12.2 B:12.2	A:11 B:11	A:36.5 B:36.5	A:35.2 B:35.2	12		
<b>A1215B</b> QFP 42.5 x 42.5	<b>A1257B</b> SOP 11×21	<b>A1258B</b> SOP 7.6×12.7	<b>A1263B</b> QFP 28×40	<b>A1264B</b> QFP 40×40	<b>A1265B</b> QFP 32×32	<b>A1470</b> BGA 8×8	<b>A1471</b> BGA 12×12	
A:42.5 B:42.5	11.7	8.2	A:27.7 B:39.7	A:40.2 B:40.2	A:32.2 B:32.2	9	13	
<b>A1472</b> BGA 13×13	<b>A1473</b> BGA 15×15	<b>A1474</b> BGA 18×18	<b>A1475</b> BGA 27×27	<b>A1476</b> BGA 35×35	<b>A1477</b> BGA 38×38	<b>A1478</b> BGA 40×40		
14	16	19	28	36	39	41		

## VACUUM FUNCTION INOPERATIVE NOZZLES.

	<b>A1124B</b> Single $\phi$ 2.5	<b>A1130</b> Single $\phi$ 4.4	<b>A1131</b> SOP 4.4×10	<b>A1132</b> SOP 5.6×13	
	$\phi$ 2.5(I.D)	$\phi$ 4.4(I.D)	4.8	5.7	
<b>A1133</b> SOP 7.5×15	<b>A1134</b> SOP 7.5×18	<b>A1142B</b> Bent Single 1.5×3	<b>A1183</b> SOJ 15 x 8	<b>A1190</b> Dual Single 2.5 x 9.5	<b>A1191</b> SIP 25L
7.2	7.2	45° 1.5(I.D) 3(I.D)	8	$\phi$ 2.5(I.D)	26
<b>A1192</b> SIP 50L	<b>A1325</b> Dual Single $\phi$ 1.5×5-10 Adjustable Pitch				
52.5	The pitch between the two nozzles is adjustable				