

# SMD-BGA

## Model:



**FR801**



**FR802**

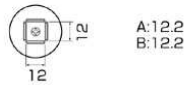


**FR803B**

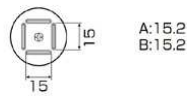
## QFP



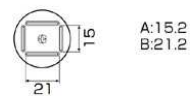
**A1125B QFP**  
Size 10 x 10



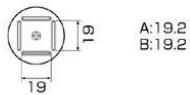
**A1262B QFP**  
Size 12 x 12



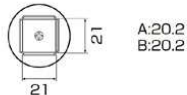
**A1126B QFP**  
Size 14 x 14



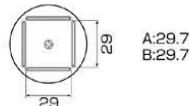
**A1128B QFP**  
Size 14 x 20



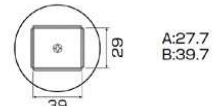
**A1127B QFP**  
Size 17.5 x 17.5



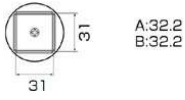
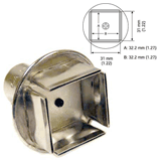
**A1261B QFP**  
Size 20 x 20



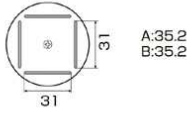
**A1129B QFP**  
Size 28 x 28



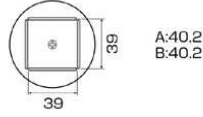
**A1263B QFP**  
Size 28 x 40



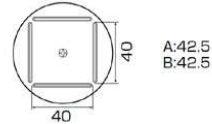
A1265B QFP  
Size 32 x 32



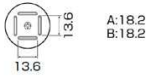
A1203B QFP  
Size 35 x 35



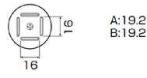
A1264B QFP  
Size 40 x 40



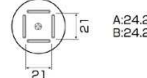
A1215B QFP  
Size 42.5 x 42.5



A1180B BQFP  
Size 17 x 17



A1181B BQFP  
Size 19 x 19



A1182B BQFP  
Size 24 x 24



SOP



A1131 SOP  
Size 4.4 x 10  
Vacuum function inoperative nozzle



A1132 SOP  
Size 5.6 x 13  
Vacuum function inoperative nozzle



A1133 SOP  
Size 7.5 x 15  
Vacuum function inoperative nozzle



A1134 SOP  
Size 7.5 x 18  
Vacuum function inoperative nozzle



A1258B SOP  
Size 7.6 x 12.7



A1260B SOP  
Size 8.6 x 18



A1257B SOP  
Size 11 x 21



A1259B SOP  
Size 13 x 28

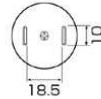
## TSOL



A1185B TSOL  
Size 13 x 10



A1186B TSOL  
Size 18 x 10

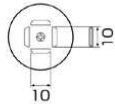


A1187B TSOL  
Size 18.5 x 8

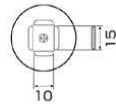
## PLCC



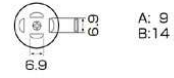
A1188B PLCC  
Size 9 x 9 (20pin)



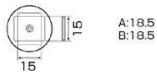
A1140B PLCC  
Size 11.5 x 11.5 (28pin)



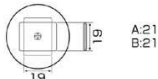
A1141B PLCC  
Size 11.5 x 14 (32pin)



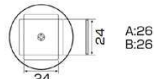
A1139B PLCC  
Size 12.5 x 7.3 (18pin)



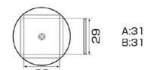
A1135B PLCC  
Size 17.5 x 17.5 (44pin)



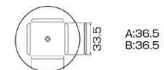
A1136B PLCC  
Size 20 x 20 (52pin)



A1137B PLCC  
Size 25 x 25 (68pin)



A1138B PLCC  
Size 30 x 30 (84pin)



A1189B PLCC  
Size 34 x 34 (100pin)

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**SOJ**



**A1214B SOJ**  
Size 10 x 26



**A1183 SOJ**  
Size 15 x 8



**A1184B SOJ**  
Size 18 x 8



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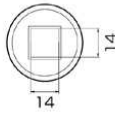
**BGA**



**A1470 BGA**  
Size 8 x 8



**A1471 BGA**  
Size 12 x 12



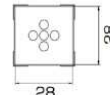
**A1472 BGA**  
Size 13 x 13



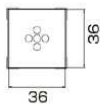
**A1473 BGA**  
Size 15 x 15



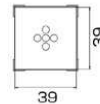
**A1474 BGA**  
Size 18 x 18



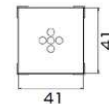
**A1475 BGA**  
Size 27 x 27



**A1476 BGA**  
Size 35 x 35



**A1477 BGA**  
Size 38 x 38



**A1478 BGA**  
Size 40 x 40



## Single



A1124B Single  
Size Φ2.5  
Vacuum function inoperative nozzle



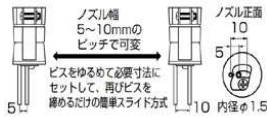
A1130 Single  
Size Φ4.4  
Vacuum function inoperative nozzle



A1142B Bent Single  
Size Φ1.5 x 3  
Vacuum function inoperative nozzle

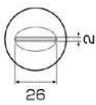


A1190 Dual Single  
Size Φ2.5 x 9.5  
Vacuum function inoperative nozzle

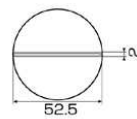


A1325 Dual Single  
Size Φ1.5 x 5 to 10  
Vacuum function inoperative nozzle

## SIP



A1191 25L  
Vacuum function inoperative nozzle



A1192 50L  
Vacuum function inoperative nozzle