



**Part No: A1124B,
Single Hot Air Nozzle,
2 mm**

NOZZLE,SINGLE,2.5mm
,FR-
811/810B/803B/802/80
1



**Part No: A1125B,
QFP-10, 2x10.2mm
Hot Air Nozzle**

NOZZLE,QFP,10.2 x
10.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1126B,
QFP, 15.2x15.2mm
Hot Air Nozzle**

NOZZLE,QFP,15.2 x
15.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1127B,
QFP, 19.2x19.2mm
Hot Air Nozzle**

NOZZLE,QFP,19.2 x
19.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1128B,
QFP-100,
15.2x21.2mm Hot Air
Nozzle**

NOZZLE,QFP 100,15.2 x
21.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1129B,
QFP, 28.2 x 28.2mm
Hot Air Nozzle**

NOZZLE,QFP,28.2 x
28.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1130,
Single, 4.4mm Hot Air
Nozzle**

NOZZLE,SINGLE,4.4mm
,FR-
811/810B/803B/802/80
1



**Part No: A1131, SOP,
10x4.8mm Hot Air
Nozzle**

NOZZLE,SOP,10 X
4.8mm,FR-
811/810B/803B/802/80
1



**Part No: A1132, SOP,
15x5.7mm Hot Air
Nozzle**

NOZZLE,SOP,15 X
5.7mm,FR-
811/810B/803B/802/80
1



**Part No: A1133, SOP,
16x7.2mm Hot Air
Nozzle**

NOZZLE,SOP,16 X
7.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1134, SOP,
19x7.2mm Hot Air
Nozzle**

NOZZLE,SOP,19 X
7.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1135B,
PLCC-44, 18.5x18.5
Hot Air Nozzle**

NOZZLE,PLCC 44,18.5 x
18.5mm,FR-
811/810B/803B/802/80
1



**Part No: A1136B,
PLCC-52, 21x21mm
Hot Air Nozzle**

NOZZLE,PLCC 52,21 x
21mm,FR-
811/810B/803B/802/80
1



**Part No: A1137B,
PLCC-68, 26x26mm
Hot Air Nozzle**

NOZZLE,PLCC 68,26 x
26mm,FR-
811/810B/803B/802/80
1



**Part No: A1138B,
PLCC-84, 31x31mm
Hot Air Nozzle**

NOZZLE,PLCC 84,31 x
31mm,FR-
811/810B/803B/802/80
1



**Part No: A1139B,
PLCC, 18.9x14mm
Hot Air Nozzle**

NOZZLE,PLCC 18,9 x
14mm,FR-
811/810B/803B/802/80
1



**Part No: A1140B,
PLCC-28, 13x13mm
Hot Air Nozzle**

NOZZLE,PLCC 28,13 x
13mm,FR-



**Part No: A1141B,
PLCC-32, 13x15mm
Hot Air Nozzle**

NOZZLE,PLCC 32,13 x
15mm,FR-



**Part No: A1142B,
Single, 1.5 x 3mm Hot
Air Nozzle**

NOZZLE,BENT,SINGLE,1.
5 x 3mm,FR-



**Part No: A1180B,
BQFP-84, 18x18mm
Hot Air Nozzle**

NOZZLE,BQFP 84,18 x
18mm,FR-

811/810B/803B/802/80
1



**Part No: A1181B,
BQFP-100, 20x20mm
Hot Air Nozzle**

NOZZLE,BQFP 100,20 x
20mm,FR-
811/810B/803B/802/80
1

811/810B/803B/802/80
1



**Part No: A1182B,
BQFP-132, 24x24mm
Hot Air Nozzle**

NOZZLE,BQFP 132,24 x
24mm,FR-
811/810B/803B/802/80
1

811/810B/803B/802/80
1



**Part No: A1183, SOJ,
15x8mm Hot Air
Nozzle**

NOZZLE,SOJ,15 X
8mm,FR-
811/810B/803B/802/80
1

811/810B/803B/802/80
1



**Part No: A1184B,
SOJ, 19x10mm Hot
Air Nozzle**

NOZZLE,SOJ,19 x
10mm,FR-
811/810B/803B/802/80
1



**Part No: A1185B,
TSOL, 10x13mm Hot
Air Nozzle**

NOZZLE,TSOL,10 x
13mm,FR-
811/810B/803B/802/80
1



**Part No: A1186B,
TSOL, 10x18mm Hot
Air Nozzle**

NOZZLE,TSOL,10 x
18mm,FR-
811/810B/803B/802/80
1



**Part No: A1187B,
TSOL, 8x18.5mm Hot
Air Nozzle**

NOZZLE,TSOL,8 x
18.5mm,FR-
811/810B/803B/802/80
1



**Part No: A1188B,
PLCC-20, 10x10mm
Hot Air Nozzle**

NOZZLE,PLCC 20,10 x
10mm,FR-
811/810B/803B/802/80
1



**Part No: A1189B,
PLCC-100,
36.5x36.5mm Hot Air
Nozzle**

NOZZLE,PLCC 100,36.5
x 36.5mm,FR-
811/810B/803B/802/80
1



**Part No: A1190, Dual,
2.5x7.2mm Hot Air
Nozzle**

NOZZLE,DUAL,2.5mm X
7.2mm,FR-
811/810B/803B/802/80
1



**Part No: A1191, SIP,
25.5x1mm Hot Air
Nozzle**

NOZZLE,SIP,25.5 X
1mm,FR-
811/810B/803B/802/80
1



**Part No: A1192, SIP,
52x1mm Hot Air
Nozzle**

NOZZLE,SIP,52 X
1mm,FR-
811/810B/803B/802/80
1



**Part No: A1203B,
BQFP-196, 35x35mm
Hot Air Nozzle**

NOZZLE,BQFP 196,35 x
35mm,FR-
811/810B/803B/802/80
1 **NOTE:** Requires
adapter B5058 for use
with the FR-810, or see
Product Bulletin —
PB377



**Part No: A1214B,
SOJ, 27x12mm Hot
Air Nozzle**

NOZZLE,SOJ,27 x
12mm,FR-
811/810B/803B/802/80
1 **NOTE:** Requires
adapter B5058 for use
with the FR-810, or see
Product Bulletin —
PB377



**Part No: A1215B,
QFP, 42.5x42.5mm
Hot Air Nozzle**

NOZZLE,QFP,42.5 x
42.5mm,FR-
811/810B/803B/802/80
1 **NOTE:** Requires
adapter B5058 for use
with the FR-810, or see
Product Bulletin —
PB377



**Part No: A1257B,
SOP, 21.0x11.7mm
Hot Air Nozzle**

NOZZLE,SOP,21.0 x
11.7mm,FR-
811/810B/803B/802/80
1 **NOTE:** Requires
adapter B5058 for use
with the FR-810, or see
Product Bulletin —
PB377



**Part No: A1258B,
SOP, 11.7x8mm Hot
Air Nozzle**

NOZZLE,SOP,11.7 x
8mm,FR-



**Part No: A1259B,
SOP, 29.0x13.5mm
Hot Air Nozzle**

NOZZLE,SOP,29.0 x
13.5mm,FR-



**Part No: A1260B,
SOP, 19.0x8.7mm Hot
Air Nozzle**

NOZZLE,SOP,19.0 x
8.7mm,FR-



**Part No: A1261B,
QFP, 20.2x20.2mm
Hot Air Nozzle**

NOZZLE,QFP,20.2 x
20.2mm,FR-

811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1262B, QFP, 12.2x12.2mm Hot Air Nozzle

NOZZLE,QFP,12.2 x 12.2mm,FR-811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377

811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1263B, QFP, 27.9x39.9mm Hot Air Nozzle

NOZZLE,QFP,27.9 x 39.9mm,FR-811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377

811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1264B, QFP, 40.4x40.4mm Hot Air Nozzle

NOZZLE,QFP,40.4 x 40.4mm,FR-811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377

811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1265B, QFP, 32.2x32.2mm Hot Air Nozzle

NOZZLE,QFP,32.2 x 32.2mm,FR-811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1325, Dual, 1.5x5-10mm Adjustable Hot Air Nozzle

NOZZLE,DUAL,1.5mm x 5-10mm ADJ.PITCH,FR-811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1470, BGA, 9x9x12.4(h)mm Hot Air Nozzle

NOZZLE,BGA,9 x 9 x 12.4(H)mm,FR-811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1471, BGA, 13x13x12.4(h)mm Hot Air Nozzle

NOZZLE,BGA,13 x 13 x 12.4(H)mm,FR-811/810B/803B/802/801 **NOTE:** Requires adapter B5058 for use with the FR-810, or see Product Bulletin — PB377



Part No: A1472, BGA, 14x14x12.4(h)mm Hot Air Nozzle

NOZZLE,BGA,14 x 14 x 12.4(H)mm,FR-811/810B/803B/802/801



Part No: A1473, BGA, 16x16x25(h)mm Hot Air Nozzle

NOZZLE,BGA,16 x 16 x 25(H)mm,FR-811/810B/803B/802/801



Part No: A1474, BGA, 19x19x25(h)mm Hot Air Nozzle

NOZZLE,BGA,19 x 19 x 25(H)mm,FR-811/810B/803B/802/801



Part No: A1475, BGA, 28x28x15(h)mm Hot Air Nozzle

NOZZLE,BGA,28 x 28 x 15(H)mm,FR-811/810B/803B/802/801



Part No: A1476, BGA, 36x36x15(h)mm Hot Air Nozzle

NOZZLE,BGA,36 x 36 x 15(H)mm,FR-811/810B/803B/802/801



Part No: A1477, BGA, 39x39x15(h)mm Hot Air Nozzle

NOZZLE,BGA,39 x 39 x 15(H)mm,FR-811/810B/803B/802/801



Part No: A1478, BGA, 41x41x15(h)mm Hot Air Nozzle

NOZZLE,BGA,41 x 41 x 15(H)mm,FR-811/810B/803B/802/801



Part No: N51-01 Single Hot Air Nozzle, 2.5mm

Single Hot Air Nozzle, size 2.5mm, for use with the FR-810, FR-810B, FR-811



Part No: N51-02 Single Hot Air Nozzle, 4.0mm

Single Hot Air Nozzle, size 4.0mm, for use with the FR-810, FR-810B, FR-811



Part No: N51-03
Single Hot Air Nozzle,
5.5mm

Single Hot Air Nozzle,
 size 5.5mm, for use with
 the FR-810, FR-810B,
 FR-811



Part No: N51-04
Single Hot Air Nozzle,
7.0mm

Single Hot Air Nozzle,
 size 7.0mm, for use with
 the FR-810, FR-810B,
 FR-811



Part No: N51-05 Bent
Hot Air Nozzle, 1.5 x
3mm

Single Bent Hot Air
 Nozzle, size 1.5 x 3mm,
 for use with the FR-810,
 FR-810B, FR-811



Part No: N51-06 Bent
30° Hot Air Nozzle,
5.5 mm

Single, Bent 30° hot air
 nozzle can be used with
 the HAKKO FR-810, FR-
 810B, FR-811



Part No: N51-10 BGA
Hot Air Nozzle, 4 x 4
mm

NOZZLE,BGA,4 X
 4mm,FR-810,FR-
 810B,FR-811



Part No: N51-11 BGA
Hot Air Nozzle, 6 x 6
mm

NOZZLE,BGA,6 X
 6mm,FR-810,FR-
 810B,FR-811



Part No: N51-12 BGA
Hot Air Nozzle, 8 x 8
mm

NOZZLE,BGA,8 x
 8mm,,FR-810,FR-
 810B,FR-811



Part No: N51-13 BGA
Hot Air Nozzle, 10 x
10 mm

NOZZLE,BGA,10 X
 10mm,,FR-810,FR-
 810B,FR-811



Part No: N51-14 BGA
Hot Air Nozzle, 12 x
12 mm

NOZZLE,BGA,12 X
 12mm,,FR-810,FR-
 810B,FR-811



Part No: N51-15 BGA
Hot Air Nozzle, 14 x
14 mm

NOZZLE,BGA,14 x
 14mm,FR-810,FR-
 810B,FR-811



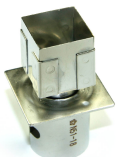
Part No: N51-16 BGA
Hot Air Nozzle, 15 x
15 mm

NOZZLE,BGA,15 x
 15mm,,FR-
 810,FR810B,FR-811



Part No: N51-17 BGA
Hot Air Nozzle, 17 x
17 mm

NOZZLE,BGA,17
 x17mm,,FR-
 810,FR810B,FR-811



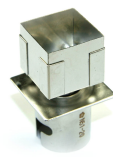
Part No: N51-18 BGA
Hot Air Nozzle, 18 x
18 mm

NOZZLE,BGA,18 x
 18mm,,FR-
 810,FR810B,FR-811



Part No: N51-19 BGA
Hot Air Nozzle, 20 x
20 mm

NOZZLE,BGA,20 x
 20mm,FR-810,FR-
 810B,FR-811



Part No: N51-20 BGA
Hot Air Nozzle, 22 x
22 mm

NOZZLE,BGA,22 x
 22mm,FR-
 810,FR810B,FR-811



Part No: N51-21 BGA
Hot Air Nozzle, 24 x
24 mm

NOZZLE,BGA,24 x
 24mm,FR-
 810,FR810B,FR-811



Part No: N51-22 BGA
Hot Air Nozzle, 27 x
27 mm

NOZZLE,BGA,27 x
 27mm,FR-
 810,FR810B,FR-811



Part No: N51-23 BGA
Hot Air Nozzle, 29 x
29 mm

NOZZLE,BGA,29 x
 29mm,FR-
 810,FR810B,FR-811



Part No: N51-24 BGA
Hot Air Nozzle, 35 x
35 mm

NOZZLE,BGA,35 x
 35mm,FR-
 810,FR810B,FR-811



Part No: N51-25 BGA
Hot Air Nozzle, 38 x
38 mm

NOZZLE,BGA,38 x
 38mm,FR-
 810,FR810B,FR-811



Part No: N51-26 BGA

Hot Air Nozzle, 40 x

40 mm

NOZZLE,BGA,40 x

40mm,FR-

810,FR810B,FR-811

CLOSE WINDOW