



BBR-5208

BBR-5210

●BBR-5208 1 kit set for 0.8mm

* Contents of kit for 0.8mm

BBR-001	0.8mm pin (25 pin)	10
BBR-010	insertor for 0.8mm	1
BBR-011	0.83mm drill bit	1
BBR-008	auto punch	1
BBR-009-2	base and bar for press	each 1

●BBR-5210 1 kit set for 1.0mm

* Contents of kit for 1.0mm

BBR-002	1.0mm pin (25 pin)	10
BBR-004	insertor for 1.0mm	1
BBR-006	1.04mm drill bit	1
BBR-008	auto punch	1
BBR-009-2	base and bar for press	each 1

(Note) There is 1 drill bit for the kit.

●BBR-5212 1 kit set for 1.2mm

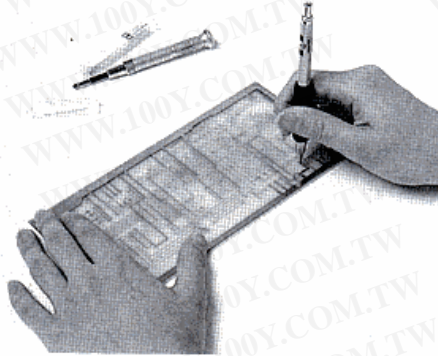
* BBR-5212 is produced after orders are received.

Through Pin Kit

■ Without using any plating chemicals, through pin process can be completed by inserting the special through pin. The surface will be smooth just like with the plating method. With high reliability, the appropriate electrical characteristics and mechanical strength can be acquired.

USE

- Though hole substrates can be made easily using double-side sensitive substrates.
- It is also very useful to add through holes to substrates already with through holes.
- Through hole additions and repairs can be made on substrates even after parts have been assembled on it.



(parts sold separately)

Product Name	Model Name	Amount	Note
Through Hole Pin	for 0.8mm	BBR-001	250 pin
	for 1.0mm	BBR-002	250 pin
	for 1.2mm	BBR-003	250 pin
Insertor	for 0.8mm	BBR-010	1
	for 1.0mm	BBR-004	1
	for 1.2mm	BBR-005	1
Drill Bit	for 0.8mm	BBR-011	2
	for 1.0mm	BBR-006	2
	for 1.2mm	BBR-007	2
Auto Punch	BBR-008	1	same for 0.8, 1.0, 1.2mm



BBR-010 BBR-004 BBR-005
(Insertor)

Work Procedure

1

Drill

Drill a hole with the attached drill bit to make a through hole. (Please use a 1.04mm bit for a 1.0 pin, and 1.21mm bit for a 1.2 pin.)

2

Pin

Bas

PCB

Insertor

Place the substrate on the press base, and press the pin in using the knock-pen type insertor.

3

Bend right and left

Once the pin reached the base, move the insertor largely to the right and left and break the pin.

4

Auto punch

Click

Then, place the auto punch in the center of the pin, and press down strongly.

5

Solder

Solder iron

Put solder on both sides of the pin with a solder iron.

6

Solder blotter

Use a solder blotter to remove the solder from the pin, and it will become a clean through hole.

7

Click

If there is no solder blotter available, hit the substrate on the edge of a table right after soldering both sides, and the solder will jump out, like in the illustration. (* Note: do not do this to substrates that have parts attached.)

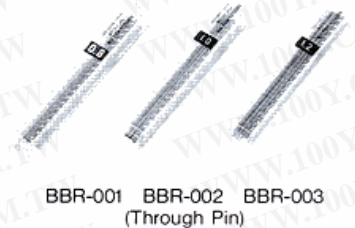
8

Finish

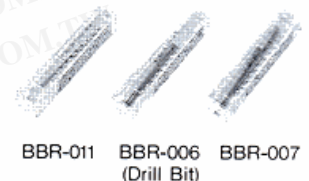
Assembled substrate

Bar

When working with an assembled substrate, attach it to the bar like in the illustration and work on top of the bar.



BBR-001 BBR-002 BBR-003
(Through Pin)



BBR-011 BBR-006 BBR-007
(Drill Bit)



BBR-008
(Auto Punch)

