

# 394

## BATTERY OPERATED SMD VACUUM PICK-UP TOOL



The suction power on the **HAKKO 394 Vacuum Pick-up Tool** provides smooth, even suction to hold a part in place while you line it up for exact placement. The perfect pick-up tool for surface mount components.



### FEATURES & BENEFITS

- Easy-to-use, battery operated pick-up tool for surface mount components.
- Uses 2 AAA batteries
- Ideal for handling surface mount components



### SPECIFICATIONS For Part No.394-01

Power Supply	AAA alkaline battery x2
Suction Capacity	4.2 ozf / 120 gf with pad A1311
Dimensions (L x H x W)	5.1 x 1.1 x 0.9 in. / 130 x 29 x 22 mm
Pickup Power	
Pad Size (Part No.)	Maximum Item Weight
3 mm (A1166)	0.2 ozf / 6 gf
5 mm (A1312)	1.4 ozf / 40 gf
7 mm (A1167)	2.8 ozf / 80 gf
10 mm (A1311)	4.2 ozf / 120 gf
Service Life of Battery*	
Pickup Repetition Limit	Continuous Pickup Time**
Approx. 15 Hours	Approx. 30,000 times



### REPLACEMENT PARTS

Part No.	Description
A1164	Bent nozzle 0.02 in. / 0.4 mm
A1165	Bent nozzle 0.04 in. / 1.1 mm w/stopper
A1166	Pad 0.12 in. / 3 mm
A1312	Pad 0.2 in. / 5 mm
A1167	Pad 0.28 in. / 7 mm
A1311	Pad 0.39 in. / 10 mm
A1486	Straight nozzle 0.04 in. / 1.1 mm with stopper
A1198	Bent nozzle Ø 0.01 in. / 0.26 mm



### CONTENTS

Part No.	Description
394-01 A1165 A1312 A1311	Vacuum pick-up tool Bent nozzle 0.04 in. / 1.1 mm Pad 0.20 in. / 5 mm Pad 0.39 in. / 10 mm AAA alkaline battery x2

**U.S. Patent Numbers:** D467,048.

#### \*Service Life of Battery

Pick-up Repetition Limit: ~30,000 pick-ups (with alkaline batteries)  
A 26 mm x 26 mm QFP is picked up for 2 seconds using a 10 mm diameter pad and then released for 1 second. This cycle is repeated continuously until the QFP is no longer picked up.

#### \*Continuous Pick-up Time: ~15 hours

This is the time period from the moment a 26 mm x 26 mm QFP is picked up using a 10 mm diameter pad to the moment the QFP drops.



A1164



A1165



A1198



A1486



A1166



A1167



A1312

