



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





American Hakko Products, Inc.

## P R O D U C T   B U L L E T I N

**Bulletin No:** PB160

**Issue Date:** November 15, 2002

**Product:**  
Tip Cleaner

**Part No:**  
599B-02  
599B/P

**Specification:**

**Comments:**

The 599B replaces the 599 tip cleaner. The “shell” design of the holder keeps solder from splattering. The 599B cleans tips without water. To clean the tip, simply plunge the tip into the coiled wire. The wire is softer than the tip plating yet harder than the oxidation that forms on the tip. The 599B tip cleaner may be used in lieu of a damp sponge.

**Accessories:**

599-029 replacement wire.

**Available:**

599B-02: now available  
599B/P December 12, 2002



From...

For pricing information, please contact your local American Hakko representative or our customer service department at (661) 294-0090.

American Hakko Products, Inc.  
28920 N. Avenue Williams.  
Valencia, CA 91355  
Tel: (661) 294-0090  
Fax: (661) 294-0096  
[www.hakkousa.com](http://www.hakkousa.com)  
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