



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!



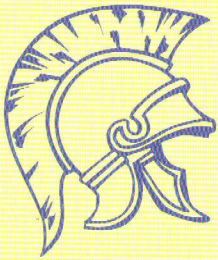
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SPARTANS

www.swanstromtools.com

The ancient Greeks admired Strength, Form and Function. These qualities have endured the test of time and remain a cornerstone of the modern world's celebration of engineering and technological achievement. Spartan Tools, manufactured by Swanstrom, capture the essence of these timeless traits in rugged, dependable, hand tools for the electronics industry. Forged out of superior steel, in Superior, Wisconsin, Spartan tools by Swanstrom have again, raised the bar of excellence in the electronic assembly industry.

<u>Description</u>	<u>Edge/Jaw</u>	<u>Description</u>	<u>Edge/Jaw</u>
 <p>Model 108</p> <p>Snipe Nose Micro</p>	Smooth	 <p>Model 320</p> <p>Long Nose</p>	Smooth
 <p>Model 109</p> <p>Snipe Nose Micro</p>	Serrated	 <p>Model 321</p> <p>Long Nose</p>	Serrated
 <p>Model 208</p> <p>Snipe Nose Submini</p>	Smooth	 <p>Model 324</p> <p>Long Nose Slim</p>	Smooth
 <p>Model 220</p> <p>Long Nose</p>	Smooth	 <p>Model 325</p> <p>Long Nose Slim</p>	Serrated
 <p>Model 221</p> <p>Long Nose</p>	Serrated	 <p>Model 330</p> <p>Needle Nose</p>	Smooth
 <p>Model 230</p> <p>Needle Nose</p>	Smooth	 <p>Model 331</p> <p>Needle Nose</p>	Serrated
 <p>Model 240</p> <p>Needle Nose, Curved</p>	Smooth	 <p>Model 350</p> <p>Long Nose, Shear Cut</p>	Smooth
 <p>Model 242</p> <p>Snipe Nose, Curved</p>	Smooth	 <p>Model 351</p> <p>Long Nose, Shear Cut</p>	Serrated
 <p>Model 300</p> <p>Flat Nose</p>	Smooth	 <p>Model 631</p> <p>Long Nose, Heavy Duty</p>	Serrated



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