

# SURFING REFLOW POINT <sup>TM</sup>

## HOT SURF WARNING <sup>TM</sup>

**SURFBOARDS®** and other LEAD FREE RoHS compliant products from Capital can take the heat. Rated for multiple exposures to reflow profiles up to 260-C\*, the boards can handle the needs of both prototype and production circuit applications when a Lead Free process is desired. While several Lead Free alloys with differing melting points are available, the Tin/Copper and Tin/Silver/Copper alloys have great acceptance for lead free soldering processes. Typical soldering temperatures associated with these alloys can range from 235-C up to 260-C for reflow ovens and hot air reflow tools. Soldering irons may be even hotter. In normal use the boards may be subjected to several reflow cycles and hand soldering operations in the circuit building process. With proper technique and solder selection, Capitals RoHS compliant Lead free products can handle lead free soldering operations in most applications. Consult with your solder or solder paste supplier for more Lead Free soldering information for your solder alloy selection.

Capitals Lead Free RoHS products are **BACKWARD COMPATIBLE** with traditional Lead based solders and soldering processes with little or no adjustment to technique.

\* Excessive heating excursions can weaken the foil bond strength and can cause discoloration of the base laminate. The acceptability of products for a given use is dependant on end user assembly technique, equipment, and processes and this information is given as a guide only. Users should determine acceptability of these products by testing with their soldering materials and equipment.

## BULLETIN RP-260

Rev A 11/06

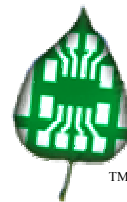
### LEAD FREE PROCESS WINDOW \*

|              |         |
|--------------|---------|
| MAX TEMP     | 260-C   |
| TIME AT PEAK | 10-Sec  |
| CYCLES       | 3 +     |
| SOLDERS      | Pb Free |

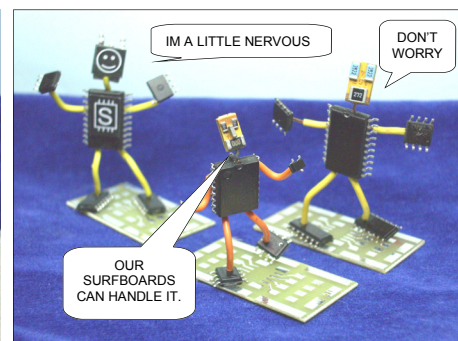
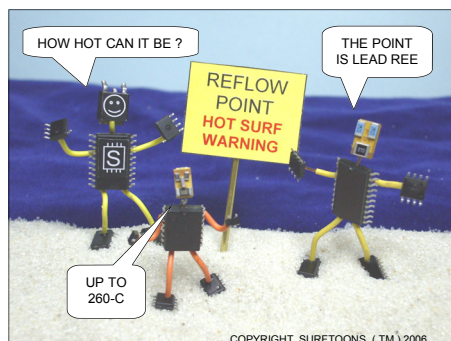
RoHS Compliant products are Lead Free and **LEAD FREE PROCESS READY**

**TURN OVER A NEW LEAF <sup>TM</sup>**

**RoHS**  
COMPLIANT



SEE BULLETIN  
**GP-206**



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