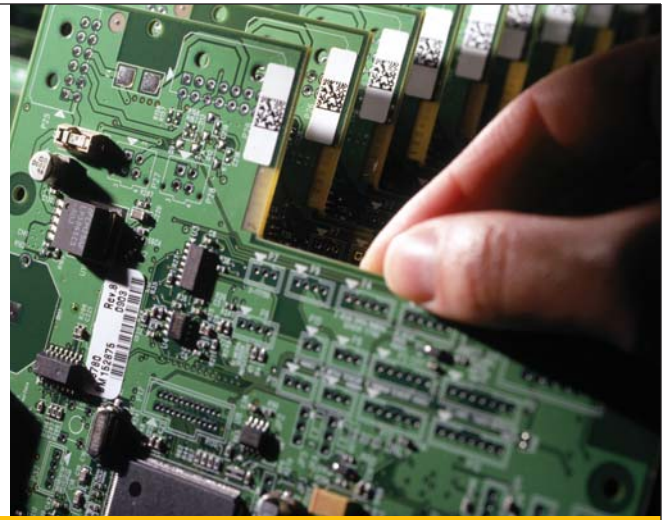


The RoHS Directive...Implications to Bar Code Labels

The European Union's Restriction of Hazardous Substances (RoHS) directive banning the sale of electronic products that contain certain toxic substances, including lead, takes effect on July 1, 2006. Companies changing to lead-free PCB manufacturing need to re-evaluate their bar coded labels. Lead-free manufacturing requires higher processing temperatures and may result in new chemical cleaning agents that could result in discoloration or curling of the label rendering the bar code information useless.



Zebra® Z-Supreme 8000™

Labels for Lead-free PCB Manufacturing

Recommended Solutions

Zebra is a leader in specialty labeling applications for electronics manufacturing and we understand the changes required under the lead-free initiative. Zebra is now introducing its new series of Z-Supreme labels, which meet the requirements of a lead-free PCB manufacturing environment.

Z-Supreme 8000—A gloss finish, thermal transfer, polyimide label with a high temperature, acrylic adhesive designed for printed circuit board applications, including lead-free manufacturing processes.

- Zebra's R&D team has tested the Z-Supreme 8000 product family to ensure the labels meet the higher temperature and chemical resistance requirements of lead-free manufacturing.
- Available in white, blue, yellow, and orange to support manufacturers that opt to use color coding to differentiate between lead-free and traditional manufacturing processes.
- Recommended with the 5100 Premium Resin ribbon to provide unparalleled chemical and heat resistance with dense black images in the harshest environments.

Zebra recommends testing Z-Supreme 8000 labels in your PCB manufacturing process to ensure a smooth transition from existing labels. The existing family of Z-Supreme labels does not contain lead or other restricted substances, but the new lead-free manufacturing processes may adversely affect the labels.

For more information about Zebra Z-Supreme RoHS solutions, contact your authorized channel partner or call Zebra's Supplies team at +1 866 230 9495.



Zebra's 110XiIIIPlus™ matched with Z-Supreme 8000 labels is the perfect fit for harsh environments such as lead-free PCB manufacturing processes.

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