



Calumet Electronics Corporation

25830 Depot Street
Calumet, MI 49913

Phone: (906) 337-1305
Fax: (906) 337-5359

www.cec-up.com
sales@cec-up.com

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FOR IMMEDIATE RELEASE

Calumet Electronics Now Offering Halogen-Free Soldermask

CALUMET, MI: PCB Manufacturer - Calumet Electronics Corp. (CEC) announced that it has completed the addition of Taiyo-America's Halogen-Free LPI Soldermask PSR-4000 HFX.

Content restriction is a growing concern in the electronics industry. The European Union RoHS Directive has caused many of our customers to lead-free alternatives to the tradition tin/lead solder surface plating on the circuit boards we build for them. Electroless Nickel / Immersion Gold, Immersion Silver, and lead-free solder are gaining in popularity.

"The transition to lead-free finishes exposes the circuit board to different process parameters" states Stephen J. Marshall, CEC's National Sales Manager, "We are recommending this soldermask as the new standard to our Customers. It is formulated to provide optimal performance as well as addressing the growing concerns over of content restriction."

PSR-4000 HFX Characteristics:

- Extremely Fast Photospeed (150 mJ/cm²)
- Fine Dam Resolution (<2 mils)
- Straighter Sidewalls
- Small Hole Clearing
- Excellent Resistance to ENIG, Immersion Silver
- Available in Satin Green, Blue, and Red
- Halogen-Free (<400 ppm with no Bromine)
- RoHS Compliant
- Lead-Free Assembly Compatible

About Calumet Electronics Corp.

For 35 years, Calumet Electronics has been setting the standard of excellence for printed circuit boards. By consistently providing customers with friendly, detail-oriented service and the highest level of quality and performance, Calumet Electronics has built one of the most successful circuit board shops in North America. Their Quality System is registered to ISO9001:2000 and certified by the Department of Defense to the Military Performance Specification for Printed Circuit Boards; MIL-PRF-31032. Calumet Electronics is also a certified [HUBZone Small Business](#) by the SBA. For more information, please visit; www.calumetelectronics.com

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