



CUSTOMER NOTIFICATION

Customer Notification Number: CN081103 Product(s) Affected: PE4259	Date Issued: 21 Nov 08 Attachment? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Contact: Title: Phone: Fax: Email:	Change Effective Date: February 2009 Customer Response by : 19 Dec 08 Sample Availability: 21 Nov 08 Qual Completion: 21 Nov 08

Notification Category:

- Wafer Fabrication Process - PSA to Oki
- Assembly Process
- Design/Mask Change
- Singulation Process
- Manufacturing Site
- Equipment
- Material – **Lead frame**
- Electrical Specification
- Non-Conforming
- Other - Marking

Description and Purpose:

1. Peregrine is transferring wafer production from PSA to ROHM's Miyazaki, Japan production facility
 2. Peregrine is qualifying Hana Semiconductor Co., Ayutthaya, Thailand as a second source assembly subcontractor to satisfy PE4259 demand. Our current qualified assembly subcontractor is Unisem in IPOH, Malaysia.
 3. The leadframe is preplated frame with NiPdAu plating on leads. The plating thicknesses are per attached. This is different from our current package where leads are 100% matte tin plated. See attached.
 4. Parts assembled at Hana will only have top marking. Part number and datecode are marked on the top. Unisem parts are marked with Part number on the top and datecode on the bottom. See attached.
- The ordering part number will change to the 4259-63.

Reliability/Qualification Summary:

Peregrine will complete full internal qualification testing and electrical characterization of the PE4259 on 21 Nov 08. The qualification report will be available on 21 Nov 08. The RoHS declaration will be posted on Peregrine's website, www.psemi.com

Customer Acknowledgement of Receipt:

(If acknowledgement not received within 30 days it will be assumed this change is acceptable)

Customer:	<input type="checkbox"/> <i>Approval for shipments prior to affective date</i>
Name:	Date:
Title:	Phone:
Email:	Fax:



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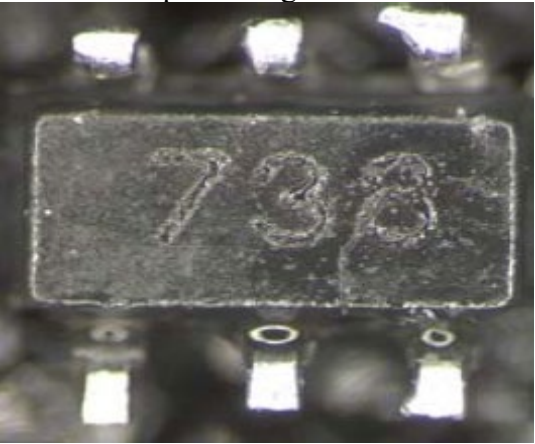
Customer Comments:



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Lead Frame Material	
Hana-AYT	Unisem
Copper A-194	Copper – A194

Lead Frame – Lead Plating	
Hana-AYT	Unisem
NiPdAu plated leads Ni – 20-80 microinches Pd – 0.8 -6.0 microinch Au – 0.10-0.59 microinch	100% Sn – Matte Finish 300-900 microinch

Marking	
Hana-AYT	Unisem
 <p>Only Top Side Marking</p>	 <p>Top Marking</p>  <p>Bottom Marking</p>