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# Product Change Notification



Product Group: SIL/Thursday March 27, 2025/PCN-SIL-016-2025-REV-0

## Process improvement for HVM PPAK8X8LR BWL package leadframe design change

For further information, please contact your regional Vishay office.

### CONTACT INFORMATION

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**Description of Change:** Vishay Siliconix announces new leadframe design for PPAK8X8LR BWL package for High Voltage Commercial power MOSFETs. This change is to improve process to resolve mold flash on PPAK8X8LR BWL package.

**Reason for Change:** Part of continued quality improvement program

**Expected Influence on Quality/Reliability/Performance:** There will be no effect on the quality, reliability, or performance. There will be no changes in minimum and maximum values on the datasheet. The finished good appearance and outline dimension variance are shown in annex on page 3 & 4.

**Part Numbers/Series/Families Affected:** Please see materials list on the succeeding page.

**Vishay Brand(S):** Vishay Siliconix

#### Time Schedule:

Start Shipment Date: Sunday June 1, 2025

**Sample Availability:** Please contact your regional Vishay Sales office for sample availability

**Product Identification:** There is no change to part numbering

**Qualification Data:** Available upon request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Thursday May 29, 2025 or as specified by contract.**

**Issued By:** Michael Hsieh, michael.hsieh@vishay.com



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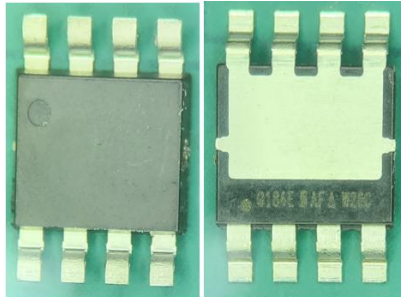
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SIHR080N60E-T1-GE3	SIHR085N60EF-T1GE3	SIHR100N60EF-T1GE3	SIHR100N60E-T1-GE3	SIHR120N60EF-T1GE3
SIHR120N60E-T1-GE3				

## ANNEX

### PowerPAK® 8 x 8 LR BWL Outline Comparison

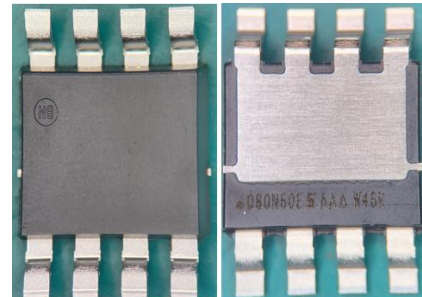
**BEFORE**



FRONT

BACK

**AFTER**



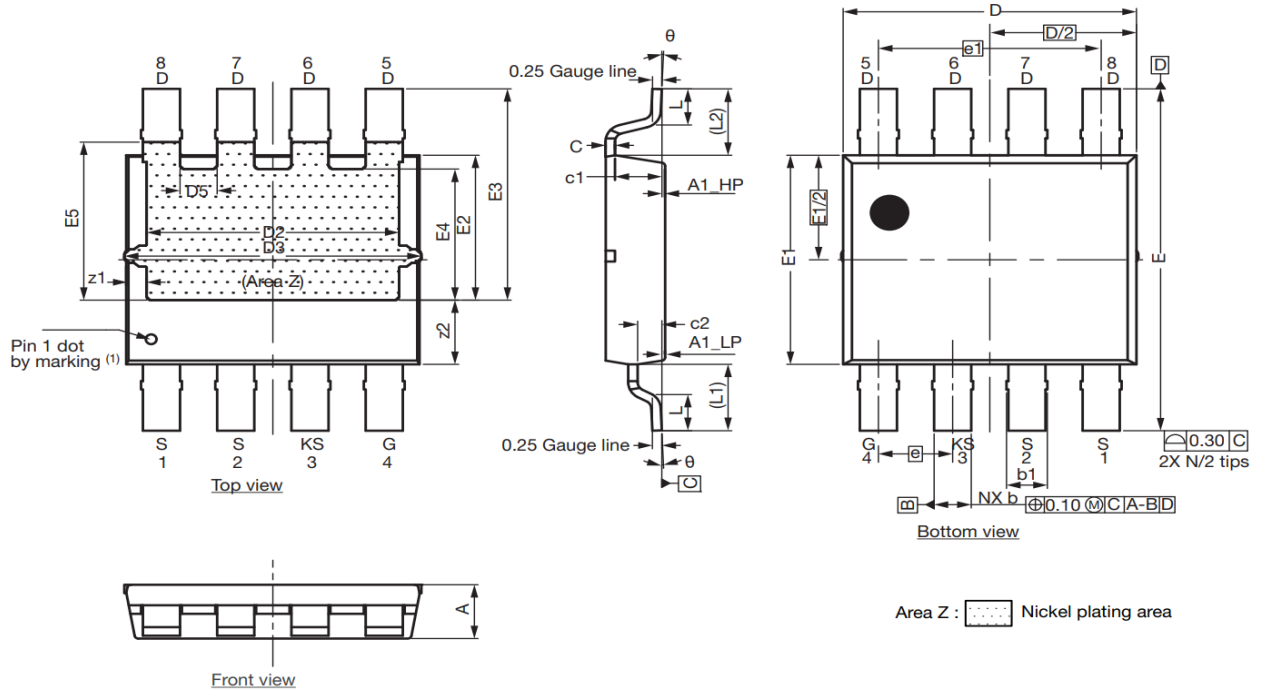
FRONT

BACK

### Outline Drawing Comparison

Before			After			Change (Before vs. After)
Symbol	Min	Max	Symbol	Min	Max	
A	1.55	1.65	A	1.55	1.65	None
A1_LP	0.035	0.135	A1_LP	0.035	0.135	None
A1_HP	0.035	0.135	A1_HP	0.035	0.135	None
b	0.97	1.13	b	0.97	1.13	None
b1	1.07	1.23	b1	1.07	1.23	None
c	0.254 ref.		c	0.254 ref.		None
c1	1.26 ref.		c1	1.26 ref.		None
c2	0.63 ref.		c2	0.63 ref.		None
D	7.80	8.00	D1	7.80	8.00	None
D2	6.70	6.90	D2	6.70	6.90	None
D3	7.95	8.15	D	8.00	8.20	<b>+0.05 / +0.05</b>
D5	0.90	1.10	D5	0.90	1.10	None
e	2.00 BSC		e	2.00 BSC		None
e1	6.00 BSC		e1	6.00 BSC		None
E	9.92	10.42	E	9.92	10.42	None
E1	6.12	6.32	E1	6.12	6.32	None
E2	4.21	4.41	E2	4.21	4.41	None
E3	6.18	6.43	E3	6.18	6.43	None
E4	3.80	4.00	E4	3.80	4.00	None
E5	4.70 ref.		E5	4.70 ref.		None
L	0.90	1.15	L	0.90	1.15	None
L1	1.80	2.10	L1	1.80	2.10	None
L2	1.80	2.10	L2	1.80	2.10	None
Z1	0.45	0.65	Z1	0.45	0.65	None
Z2	1.81	2.01	Z2	1.81	2.01	None
θ	0°	5°	θ	0°	5°	None

## BEFORE



## AFTER

