



# Product Change Notification



Product Group: Vishay Siliconix/September 24, 2015/PCN SIL-0232015  
June 3, 2015/PCN-SIL-0232015 - CXL

## Additional Commercial Power MOSFET Manufacturing Capacity

**This PCN has officially been canceled and rescinded**

**DESCRIPTION OF CHANGE:** To meet increasing demand for Power MOSFET products, Vishay Siliconix has expanded assembly and test capacity on commercial Low Voltage MOSFET in Vishay's proprietary PowerPAKSO8 Single Die package to subcontracting partner Amkor Technology Philippines.

Amkor is one of the world's largest providers of semiconductor test and assembly services, and has received international quality systems and environmental compliance certifications TS61949, ISO9001, ISO14001 and OSHAS 18001.

Additionally, there will be slight modifications to the mechanical dimensions of the PPAKSO8 Single Die Package Outline Drawing to unify production capabilities at both Vishay and Amkor. The updated PPAKSO8 Single Die package outline drawing is exhibited on page 3 of this PCN. All critical dimensional specifications are compliant to JEDEC.

**CLASSIFICATION of CHANGE:** Additional assembly and test capacity

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** There will be no affect on the quality, reliability, or performance. There will be no changes in minimum and maximum values on the data sheets.

**PRODUCT CATAGORY:** Commercial Low Voltage Power MOSFETs

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** See page 2 of this PCN.

**VISHAY BRAND(s):** Vishay Siliconix

**TIME SCHEDULE:** Shipments of products manufactured at Amkor will begin in December 2015.

**SAMPLE AVAILABILITY:** Please contact your regional Vishay Sales office for sample availability.

**QUALIFICATION DATA:** Qualification reports are available upon request; please

**PRODUCT IDENTIFICATION:** Products manufactured at Amkor will be identified by datecodes starting with **G59x** on the bottom line of the part marking.

**ISSUED BY:** Dave MacDonald, Vishay Siliconix, Sr. Manager, Technical Marketing.

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**For further information, please contact your regional Vishay office.**

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Vishay Intertechnology, Inc.

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## PCN-SIL-0232015 Parts List

SIR164DP-T1-GE3
SIR800DP-T1-GE3
SIR416DP-T1-GE3
SIR862DP-T1-GE3
SI7788DP-T1-GE3
SI7790DP-T1-GE3
SI7774DP-T1-GE3

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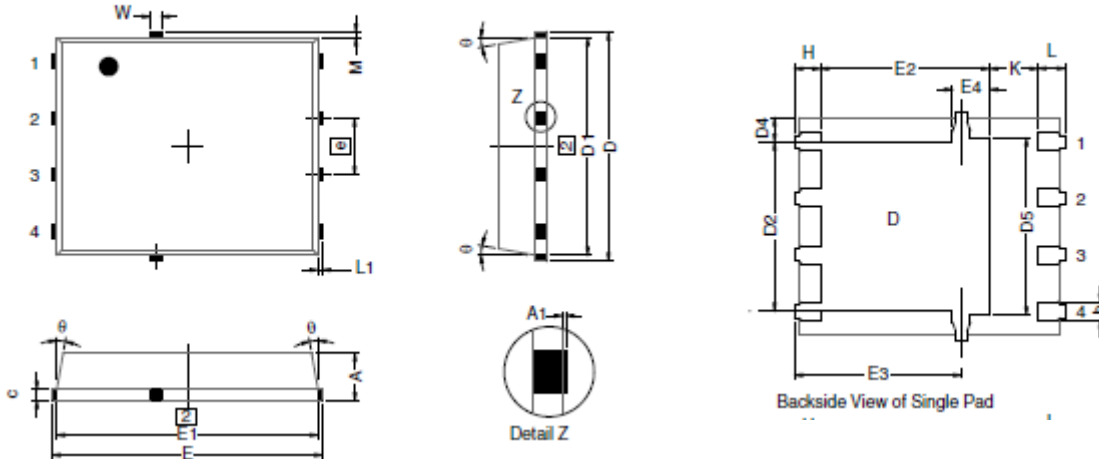


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## PPAKSO8 Single Die Package Mechanical Dimension



Dimension	MILIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.75	0.95	1.12	0.030	0.037	0.044
A1	-	-	0.05	-	-	0.002
b	0.33	0.41	0.51	0.013	0.016	0.020
c	0.20	0.24	0.33	0.0079	0.009	0.0130
D	5.05	5.15	5.26	0.199	0.203	0.207
D1	4.95	5.00	5.26	0.195	0.197	0.207
D2	3.56	3.76	3.91	0.140	0.148	0.154
D4	0.62 typ			0.024 typ		
D5	3.98 typ			0.157 typ		
E	6.05	6.15	6.25	0.238	0.242	0.246
E1	5.95	6.00	6.05	0.234	0.236	0.238
E2	3.48	3.66	3.84	0.137	0.144	0.151
E3	3.55	3.65	3.91	0.140	0.144	0.154
E4	0.75 typ			0.030 typ		
e	1.27 BSC			0.050 BSC		
K	1.27 typ			0.005 typ		
H	0.49	0.54	0.71	0.019	0.021	0.028
L	0.49	0.54	0.71	0.019	0.021	0.028
L1	0.06	0.13	0.20	0.002	0.005	0.008
⊙	0°		12°	0°		12°
W	0.15	0.25	0.36	0.006	0.010	0.014
M	0.125 typ			0.005 typ		

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