Product Change Notification

Product Group: SIL/Tuesday October 13, 2026/PCN-SIL-000509-2026-REV-0

Additional Assembly and Test capacity for MLP5x5 DrMOS

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Americas
2585 Junction Avenue
-
San Jose United States 95134- 1923
Phone: +1-408-988-8000
Fax:
-

Europe

Vishay Europe Sales GmbH
Dr Felix Zandman Platz 1
-
Selb Germany 95101
Phone: +49-9287-710
Fax:
business-europe@vishay.com

Asia

Vishay Intertechnlogy Asia Pte.Ltd
37A Tampines Street 92
#07-01
Singapore Singapore Singapore 528886
Phone: +65-6788-6668
Fax:
business-asia@vishay.com

Description of Change: Vishay Siliconix has expanded Assembly and Test capacity for MLP5x5 DrMOS to Subcontractor Carsem, China

Reason for Change: Addition of assembly and test capacity.

Expected Influence on Quality/Reliability/Performance: There will be no effect on performance, quality or reliability.

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

Affected customers will be informed directly with a detailed part list.

Vishay Brand(S): Vishay Siliconix

Time Schedule:

Start Shipment Date: Sunday December 13, 2026

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

Product Identification: Lot number

Qualification Data: Please see attached.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sunday December 13, 2026 or as specified by contract.

Issued By: Lisette Saba, malinalisette.saba@vishay.com

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SIC654ACD-T1-GE3	SIC654CD-T1-GE3	SIC677ACD-T1-GE3	SIC677CD-T1-GE3	SIC678ACD-T1-GE3
SIC678CD-T1-GE3	SIC679ACD-T1-GE3	SIC679CD-T1-GE3	SIC680ACD-T1-GE3	SIC680CD-T1-GE3

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Qualification Data

October 2026

EVAL	STRESS	STEP	TEST CONDITION	HR-CYC	S S	FAIL	DONE	TEST TYPE	FAIL CODE
2660100	BOND INTEG	0	BOND INTEGRIT	0	40	0	X	VM	
		1	BOND INTEGRIT	250	40	0	X	VM	
		2	BOND INTEGRIT	500	40	0	X	VM	
	DPA	0	DPA	0	40	0	X	VM	
	LATCH-UP	0	LATCH-UP	100	6	0	X	ET	
		1	LATCH-UP	100	6	0	X	ET	
		2	LATCH-UP	150	6	0	X	ET	
		3	LATCH-UP	150	6	0	X	ET	
		4	LATCH-UP	200	6	0	X	ET	
		5	LATCH-UP	200	6	0	X	ET	
		6	LATCH-UP	300	6	0	X	ET	
		7	LATCH-UP	300	6	0	X	ET	
		8	LATCH-UP	400	6	0	X	ET	
		9	LATCH-UP	500	6	0	X	ET	
	ESD - C D	0	ESD' - C D MO	0	28	0	X	ET	
		1	ESD' - C D MO	125	3	0	X	ET	
		2	ESD' - C D MO	250	3	0	X	ET	
		3	ESD' - C D MO	500	3	0	X	ET	
		4	ESD' - C D MO	750	3	0	X	ET	
		5	ESD' - C D MO	1000	3	0	X	ET	
		6	ESD' - C D MO	1500	3	0	X	ET	
		7	ESD' - C D MO	2000	10	0	X	ET	
	ESD - H B	0	ESD' - H B MO	250	27	0	X	ET	
		1	ESD' - H B MO	500	3	0	X	ET	
		2	ESD' - H B MO	750	3	0	X	ET	
		3	ESD' - H B MO	1000	3	0	X	ET	
		4	ESD' - H B MO	1500	3	0	X	ET	
		5	ESD' - H B MO	2000	3	0	X	ET	
		6	ESD' - H B MO	2500	3	0	X	ET	
		7	ESD' - H B MO	3000	3	0	X	ET	
		8	ESD' - H B MO	3500	3	0	X	ET	
		9	ESD' - H B MO	4000	3	0	X	ET	
	PRESSURE P	0	PRESSURE POT	0	82	0	X	ET	
		1	PRESSURE POT	50	82	0	X	ET	
	PHYSICAL D	0	PHYSICAL DIM	0	30	0	X	VM	
	SOLDERABIL	0	SOLDERABILITY	8	15	0	X	VM	
	SOLDER DUN	0	SOLDER DUNK	0	55	0	X	ET	
		1	SOLDER DUNK	48	55	0	X	ET	
	TEMP CYCLE	0	T/C (H)	0	82	0	X	ET	
		1	T/C (H)	250	82	0	X	ET	
		2	T/C (H)	500	82	0	X	ET	
		3	T/C (H)	1000	82	0	X	ET	
	MSL 3	0	MSL CLASSIFIC	0	11	0	X	VM	
		1	MSL CLASSIFIC	48	11	0	X	VM	
	VP/SOLDER	0	PRODUCT PRECO	0	332	0	X	ET	
		1	PRODUCT PRECO	48	332	0	X	ET	

PART NUMBER: SIC677A (Test Vehicle)
DATE CODE:
PURPOSE: QUALIFICATION
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EVAL	STRESS	STEP	TEST CONDITION	HR-CYC	S S	FAIL	DONE	TEST TYPE	FAIL CODE
2660101	BOND INTEG	0	BOND INTEGRIT	0	40	0	X	VM	
		1	BOND INTEGRIT	250	40	0	X	VM	
		2	BOND INTEGRIT	500	40	0	X	VM	
	TEMP CYCLE	0	T/C (H)	0	82	0	X	ET	
		1	T/C (H)	250	82	0	X	ET	
		2	T/C (H)	500	82	0	X	ET	
		3	T/C (H)	1000	82	0	X	ET	
	MSL 3	0	MSL CLASSIFIC	0	11	0	X	VM	
		1	MSL CLASSIFIC	48	11	0	X	VM	
	PRESSURE P	0	PRESSURE POT	0	82	0	X	ET	
		1	PRESSURE POT	48	82	0	X	ET	
	VP/SOLDER	0	PRODUCT PRECO	0	332	0	X	ET	
		1	PRODUCT PRECO	48	332	0	X	ET	

PART NUMBER: SIC677A (Test Vehicle)
DATE CODE:
PURPOSE: QUALIFICATION
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******	**********	****	**********	*******	****	****	****	TEST ****	FAIL ****
2660102	BOND INTEG	0	BOND INTEGRIT	0	40	0	X	VM	
		1	BOND INTEGRIT	250	40	0	X	VM	
		2	BOND INTEGRIT	500	40	0	X	VM	
	TEMP CYCLE	0	T/C (H)	0	82	0	X	ET	
		1	T/C (H)	250	82	0	X	ET	
		2	T/C (H)	500	82	0	X	ET	
		3	T/C (H)	1000	82	0	X	ET	
	MSL 3	0	MSL CLASSIFIC	0	11	0	X	VM	
		1	MSL CLASSIFIC	48	11	0	X	VM	
	PRESSURE P	0	PRESSURE POT	0	82	0	X	ET	
		1	PRESSURE POT	48	82	0	X	ET	
	VP/SOLDER	0	PRODUCT PRECO	0	332	0	X	ET	
		1	PRODUCT PRECO	48	332	0	X	ET	

PART NUMBER: SIC677A (Test Vehicle)
DATE CODE:
PURPOSE: QUALIFICATION
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SIC654ACD-T1-GE3 SIC654CD-T1-GE3 SIC677ACD-T1-GE3 SIC677CD-T1-GE3 SIC678ACD-T1-GE3

SIC678CD-T1-GE3 SIC679ACD-T1-GE3 SIC679CD-T1-GE3 SIC680ACD-T1-GE3 SIC680CD-T1-GE3