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

© 2021 VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishay.com/doc?91000

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

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

© 2021 VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishay.com/doc?91000

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

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

******	**********	****	**********	*******	****	****	****	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