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Product Change Notification

Product Group: SIL/Fri Jun 30, 2023/PCN-SIL-000405-2023-REV-0



Additional Assembly Capacity for Vishay Siliconix PDIP 8

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

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Description of Change: Vishay Siliconix has expanded assembly capacity for PDIP8 packages to Subcontractor ATEC in the Philippines.

Classification of Change: Addition of Assembly Capacity

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

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

Vishay Brand(S): Vishay Siliconix

Time Schedule:

Start Shipment Date: Sat Dec 30, 2023

Sample Availability: Samples are available now

Product Identification: Lot Number and Country of Origin

Qualification Data: See attached PDF

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sat Dec 30, 2023 or as specified by contract.

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



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DG417BDJ-E3	DG417DJ-E3	DG418BDJ-E3	DG418DJ-E3	DG419BDJ-E3
DG419DJ-E3				



PCN-SIL-000405-2023 QUALIFICATION DATA

PDIP 8 package

**ATEC Philippines
Qualification Data**

June 2023


Table 1 Detailed Reliability Test Results

EVAL	STRESS	STEP	TEST CONDITION	HR-CYC	S S	FAIL	DONE	TEST	FAIL
								TYPE	CODE
*****	*****	****	*****	*****	****	****	****	****	****
2360045	HAST	0	HAST	0	85	0	X	ET	
		1	HAST	100	85	0	X	ET	
	PRESSURE P	0	PRESSURE POT	0	85	0	X	ET	
		1	PRESSURE POT	96	85	0	X	ET	
	SOLDER DUN	0	SOLDER DUNK	0	55	0	X	ET	
		1	SOLDER DUNK	10	55	0	X	ET	
	SOLDERABIL	0	SOLDERABILITY	8	15	0	X	VM	
	SS OP LIFE	0	HIGH TEMP OP	0	85	0	X	ET	
		1	HIGH TEMP OP	168	85	0	X	ET	
		2	HIGH TEMP OP	500	85	0	X	ET	
		3	HIGH TEMP OP	1000	85	0	X	ET	
	TEMP CYCLE	0	T/C (H)	0	85	0	X	ET	
		1	T/C (H)	250	85	0	X	ET	
		2	T/C (H)	500	85	0	X	ET	
		3	T/C (H)	1000	85	0	X	ET	
	VP/SOLDER	0	PRODUCT PRECO	0	265	0	X	ET	
		1	PRODUCT PRECO	192	265	0	X	ET	
	MSL	0	C-SAM & PRECO	0	11	0	X	VM	
		1	C-SAM & PRECO	192	11	0	X	VM	



PCN-SIL-000405-2023 QUALIFICATION DATA

PART NUMBER: DG417DJ

DATE CODE:

PURPOSE: QUALIFICATION

=====									TEST	FAIL
EVAL	STRESS	STEP	TEST CONDITION	HR-CYC	S S	FAIL	DONE	TYPE	CODE	
*****	*****	****	*****	*****	****	****	****	****	****	****
2360046	HAST	0	HAST	0	85	0	X	ET		
		1	HAST	100	85	0	X	ET		
	PRESSURE P	0	PRESSURE POT	0	85	0	X	ET		
		1	PRESSURE POT	96	85	0	X	ET		
	SOLDER DUN	0	SOLDER DUNK	0	55	0	X	ET		
		1	SOLDER DUNK	10	55	0	X	ET		
	SOLDERABIL	0	SOLDERABILITY	8	15	0	X	VM		
	SS OP LIFE	0	HIGH TEMP OP	0	85	0	X	ET		
		1	HIGH TEMP OP	168	85	0	X	ET		
		2	HIGH TEMP OP	500	85	0	X	ET		
		3	HIGH TEMP OP	1000	85	0	X	ET		
	TEMP CYCLE	0	T/C (H)	0	85	0	X	ET		
		1	T/C (H)	250	85	0	X	ET		
		2	T/C (H)	500	85	0	X	ET		
		3	T/C (H)	1000	85	0	X	ET		
	VP/SOLDER	0	PRODUCT PRECO	0	265	0	X	ET		
		1	PRODUCT PRECO	192	265	0	X	ET		
	MSL	0	C-SAM & PRECO	0	11	0	X	VM		
		1	C-SAM & PRECO	192	11	0	X	VM		



PCN-SIL-000405-2023 QUALIFICATION DATA

PART NUMBER: DG417DJ

DATE CODE:

PURPOSE: QUALIFICATION

=====

TEST FAIL

EVAL	STRESS	STEP	TEST CONDITION	HR-CYC	S S	FAIL	DONE	TYPE	CODE
*****	*****	****	*****	*****	****	****	****	****	****
2360047	HAST	0	HAST	0	85	0	X	ET	
		1	HAST	100	85	0	X	ET	
	PRESSURE P	0	PRESSURE POT	0	85	0	X	ET	
		1	PRESSURE POT	96	85	0	X	ET	
	SOLDER DUN	0	SOLDER DUNK	0	55	0	X	ET	
		1	SOLDER DUNK	10	55	0	X	ET	
	SOLDERABIL	0	SOLDERABILITY	8	15	0	X	VM	
	SS OP LIFE	0	HIGH TEMP OP	0	85	0	X	ET	
		1	HIGH TEMP OP	168	85	0	X	ET	
		2	HIGH TEMP OP	500	85	0	X	ET	
		3	HIGH TEMP OP	1000	85	0	X	ET	
	TEMP CYCLE	0	T/C (H)	0	85	0	X	ET	
		1	T/C (H)	250	85	0	X	ET	
		2	T/C (H)	500	85	0	X	ET	
		3	T/C (H)	1000	85	0	X	ET	
	VP/SOLDER	0	PRODUCT PRECO	0	265	0	X	ET	
		1	PRODUCT PRECO	192	265	0	X	ET	
	MSL	0	C-SAM & PRECO	0	11	0	X	VM	
		1	C-SAM & PRECO	192	11	0	X	VM	