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HVM HEXDIP Package Laser Marker Change at Subcontractor Cirtek

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Description of Change: This advisory is being provided to you as an announcement that we will replace the Lumonics 930 with EZ Laser Marker Model, TM8002P, for HVM HEXDIP package at our Subcontractor – Cirtek, Philippines.

Classification of Change: This change is to replace existing machine, Lumonics 390, which had been phased out and new EZ Laser Marker, TM8002P, is capable to detect no marking unit.

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

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

Vishay Brand(S): Vishay Siliconix

Time Schedule:

Start Shipment Date: Thu Feb 23, 2023

Sample Availability: Please see materials list on the succeeding page

Product Identification: No change to part numbering

Qualification Data: N/A

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



Product Information Notification



Product Group: SIL/Wed Feb 1, 2023/PIN-SIL-005-2023-REV-0

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IRFD014PBF	IRFD020PBF	IRFD024PBF	IRFD110PBF	IRFD113PBF
IRFD120PBF	IRFD123PBF	IRFD210PBF	IRFD214PBF	IRFD220PBF
IRFD224PBF	IRFD310PBF	IRFD320PBF	IRFD420PBF	IRFD9010PBF
IRFD9014PBF	IRFD9020PBF	IRFD9024PBF	IRFD9110PBF	IRFD9120PBF
IRFD9210PBF	IRFD9220PBF	IRFDC20PBF	IRLD014PBF	IRLD024PBF
IRLD110PBF	IRLD120PBF			



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Product Information Notice



Product Group: Vishay Siliconix/ Feb 2nd, 2023 / SIL-0052023

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	Supplier	Affected Product Package
From	Lumonics 930 Laser	HVMDIP / HEXDIP
To	EZ Laser Marker	HVMDIP / HEXDIP

* EZ Laser Marker is currently being used in HEXDIP package for full mark process.

	Lumonics 930	EZ Marker	Remarks	Risk Assessment
Laser Marker			Different	<p>LOW RISK</p> <p>EZ Marker has capability to detect mis aligned strip decrease potential occurrence of misaligned mark</p> <p>While machine does not have vision test to determine if unit have marking, the change in process flow (Laser Mark -> DTFS, -> FVI) will provide better detection rate compared to sampling inspection from Lumonics 930</p> <p>FROM Inspection Point: Laser Mark Production Monitoring SS: Every tube. Inspection is done through luxu lamp and units are inside the shipping tube</p> <p>TO Inspection Point: Final Visual Inspection SS: Every unit. Inspection is done through low power scope and units are placed in inspection jig (outside the shipping tube)</p> <p>Additional Inspection Point: FVI Gate SS: 200 units per lot</p>

	Lumonics 930	EZ Marker	Remarks	Risk Assessment
Laser Type	Gas Laser Single Head 	Diode Laser Dual Head 	Different	<p>LOW RISK</p> <p>Dual laser head will improve the through put.</p> <p>PM Controls for both dual head are already established in Cirtek Specs</p>
	Singulated laser Marking	Strip Laser Marking	Different	<p>MEDIUM RISK</p> <p>Change will effectively prevent mixing on assembly side since units will be marked in strip form, however, advantage of singulated marking, to mark only the tested good units will be removed</p>

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Procedure #