



Product/Process Change Notification

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Initiation Date	31 Jan 2022	Notification No.	20220121
Implementation Date	1 May 2022	Initiator's Name	C. Walsh
Beginning Date Code of Implemented Change			5/1/2022

CHANGE DESCRIPTION:

Knowles is updating the Tochi product family to add a more scalable 8" wafer process for MEMS vs the existing 6" line for long term supply assurance. This transition will begin with shipments on 1 May 2022. For existing product Knowles recommends continued use of the SPV08A0LR5H part number. For new product builds and launches, Knowles recommends using part number SPV21A0LR5H to order parts that have enhanced 2D barcode readability feature for part tracking/tracing.

Please see below the qualification results for this PCN conversion.

Please contact your Knowles contact point for further information.

MODELS AFFECTED:

SPV08A0LR5H-1-2
SPV08A0LR5H-1-8
SPV08A0LR5H-1-T

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The following qualification tests have been performed:

Knowles Qualification Plan Number S-21-0499

<u>Test</u>	<u>Acceptance Criteria</u>	<u>Model Tested</u>	<u>Sample Size</u>	<u>Result</u>
High Temperature Bias (HTB)	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	77x3	PASS
Low Temperature Bias(LTB)	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	77x3	PASS
High Temperature, High Humidity Bias (THB)	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	77x3	PASS
Air-Air Thermal Shock Test	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	77x3	PASS
ESD-CDM	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	5x3	PASS
ESD-HMM	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	5x3	PASS
ESD-HBM	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	5x3	PASS
Mechanical Shock (Loose units - unbiased)	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	30x3	PASS
Moisture Sensitivity Level	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	30x3	PASS
Tumble	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	30x3	PASS
Vibration	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	30x3	PASS
Reflow	Sensitivity Shift ± 1 dB report / ± 3 dB Out of Spec	SPV08A0LR5H	30x3	PASS

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