Product/Process Change Notification

Initiation Date	Jan 18, 2021	**Notification No.**	20201021
Implementation Date	July 16, 2021	**Initiator's Name**	Evan Wei
Beginning Date Code of Implemented Change			N/A

CHANGE DESCRIPTION:

As part of Knowles ongoing commitment to provide customers with the most current technology and best experience, the below SiSonic™ microphone model (including all versions and all packaging suffixes) has been designated for End of Life, effective Jan 18, 2021.

MODEL AFFECTED: (covering all suffixes)

Ford SPV0842LR5H

1. The Effective Date: Jan 18, 2021.
2. The Last Order Date: July 16, 2021. (No orders will be accepted after this date)
3. The Last Shipment Date: Dec 31, 2021.

Please note that all POs will be classified as NCNR (Non-Cancellable Non-Returnable).

Knowles recommends Ford 2 (P/N SPV0142LR5H) as a replacement for Ford microphone (P/N: SPV0842LR5H). Ford 2 offers higher MEMS robustness and improved product tracking vs Ford.

Please contact your Knowles account manager for the corresponding datasheet or visit Knowles.com.

There are no changes to fit or function for Ford 2 from the existing product Ford. The major benefits of the upgrade include:

1. Upgraded MEMS for improved Airburst robustness.
2. 2D barcode for 1:1 product tracking.

SUPPORT INFORMATION:

Knowles Reliability passes for Ford 2 (P/N SPV0142LR5H) per below:

No	Standard	Test Method	Test conditions	Acceptance Criteria	Total Sample Size	Results
1	KRP014 IEC 68-2-14 Test Na	Air-Air Thermal Shock Test	Upper Temp = 125°C Lower Temp = -40°C Soak time = 15mins 100 Cycles	Sensitivity Shift ±1dB report / ±3dB Out of Spec Current Shift < 10% Refer to product specs	15x 3	Pass

No	Standard	Test Method	Test conditions	Acceptance Criteria	Total Sample Size	Results
				for additional parameters		
2	KRP008 IEC 68-2-2, Test Ba	High Temperature Storage	+105°C Readings at 2 & 6 Weeks	Initial to Post reflow Sensitivity Shift <1dB Initial to POST/Final Stress Sensitivity Shift<3dB, Frequency Response, SNR within spec	20x3	Pass
3	KRO010 IEC 68-2-1 Test Aa	Low Temperature Storage	-40°C Readings at 2, & 6 Weeks	Initial to Post reflow Sensitivity Shift <1dB Initial to POST/Final Stress Sensitivity Shift<3dB, Frequency Response, SNR within spec	20x3	Pass
4	KRP011 IEC 68-2-2, Test Ba	High Temperature Bias	+105°C with 3.6V Readings at 1& 2 & 6 Weeks	Sensitivity Shift ±1dB report / ±3dB Out of Spec Current Shift < 10% Refer to product specs for additional parameters	20x3	Pass
5	KRP013 IEC 68-2-1 Test Ad	Low Temperature Bias (On Flex)	-40°C with 3.6 V Readings at 1& 2 & 6 Weeks	Sensitivity Shift ±1dB report / ±3dB Out of Spec Current Shift < 10% Refer to product specs for additional parameters	20x3	Pass
6	KRP012 JESD22-A101A-B	High Temperature, High Humidity Bias (Flex)	+85°C, 85% RH with 3.6 V Readings at 1& 2 & 6 weeks	Sensitivity Shift ±1dB report / ±3dB Out of Spec Current Shift < 10% Refer to product specs for additional parameters	20x3	Pass
7	KRP020 Mil-Std-883e 2007.2 A	Vibration - Sine	20 to 2000 Hz Sinusoidal Sweep; 16 Minutes on Each of the 3 Multually Perpendicular Side	Sensitivity Shift ±1dB report / ±3dB Out of Spec Current Shift < 10% Refer to product specs for additional parameters	15x3	Pass
8	KRP017 ANSI/ESDA/JEDEC JS-001-2014	ESD-HBM	3 Discharges at ±2 kV (Pin-Pin)	Initial to Post reflow Sensitivity Shift <1dB Initial to POST/Final Stress Sensitivity Shift<3dB, Frequency Response, SNR within spec	5x3	Pass
9	KRP032 ESDA/JEDEC JS-001-2011	ESD-HMM	25 Discharges at ±8kV, 150pF, 330Ω Contact to lid Normal mode VDD with floating ground	Initial to POST/Final Stress Sensitivity Shift<3dB, Frequency Response, SNR within spec	5x3	Pass
10	KRP005 JEDEC 22-A113F	Reflow	5x Reflow with +260°C Peak Temperature (Total 5x reflow including pre-conditioning)	Sensitivity Shift ±1dB report / ±3dB Out of Spec Current Shift < 10% Refer to product specs for additional parameters	15x3	Pass
11	KRP007 IEC 68-2-27, Test Ea	Mechanical Shock (Loose units - unbiased)	12 kGs in 0.1 ms; 3 Pulses on Each of the 6 Sides	Sensitivity Shift ±1dB report / ±3dB Out of Spec Current Shift < 10% Refer to product specs for additional parameters	5x3	Pass