

19<sup>th</sup> Dec 2019

PCN (Product Change Notification) reference: **2019/22**

Subject: StackiCap™ Component Range Voltage Rating  $\geq 1.2\text{kV}$

Dear Customer,

The performance of StackiCap™ range parts with a voltage rating  $\geq 1.2\text{kV}$  can be demonstrated to improve if the parts and boards are coated after assembly. We therefore recommend that this is done wherever possible, and in particular for high-reliability applications.

To clearly identify which Knowles parts are recommended to be coated after mounting onto PCBs, Knowles has allocated a new suffix code at the end of the part number. This suffix code is WS3.

Please note that

- There is no change to the actual component, this is only a part number change to consolidate the commercial range to align with the automotive range.
- Knowles AEC-Q200 qualification on StackiCap™ range parts with a voltage rating  $\geq 1.2\text{kV}$  was completed with parts coated after mounting to test boards.

All new orders received from 1<sup>st</sup> March 2020 for StackiCap™ part numbers with a voltage rating  $\geq 1.2\text{kV}$  ending with WS2 will not be processed, customers will be requested to change to the part number to end with WS3.

Please refer to application note reference AN0043 on Knowles website for further information on customer coating product advice: <https://www.knowlescapacitors.com/an0043>

If you require further information, please contact Knowles sales.

Yours sincerely,



Alice Liu  
Quality Manager, Knowles Capacitors

## PCN Details

PCN reference: 2019/22

PCN Issue Date: 19 Dec 2019

Product: StackiCap™ range with a voltage rating  $\geq 1.2\text{kV}$ , part numbers ending with WS2 changing to WS3.

Example current part number:

Example	2220	Y	1K5	0154	K	X	T	WS2
	Case Size	Termination	Voltage	Capacitance	Capacitance Tolerance	Dielectric	Packaging	Suffix Code



Current WS2 code part number

Example changed part number:

Example	2220	Y	1K5	0154	K	X	T	WS3
	Case Size	Termination	Voltage	Capacitance	Capacitance Tolerance	Dielectric	Packaging	Suffix Code



New WS3 code part number

Request Description: Part number change from WS2 to WS3.

Reasons for Request: Consolidate commercial part number with AEC-Q200 automotive part number release.

Changes to Form, Fit or Function: No change to components, this is only a part number change.

Changes to Quality or Reliability: None.

Changes to Part Numbers: None.

Qualification Results: Available on request.

Are Samples Available? Not applicable.

Implementation date: New Purchase Orders received after 1<sup>st</sup> March 2020.