



Maxmega Electronics Pte Ltd  
63 Hillview Avenue #09-19  
Lam Soon Industrial Building  
Singapore 669569  
Tel: (65) 6769-1118  
Web: [www.maxmega.com/knowles](http://www.maxmega.com/knowles)

19<sup>th</sup> April 2023

PCN (Product Change Notification) reference: **2023/02**

Subject: Process Change for MLCCs

Dear Customer,

The purpose of this notification is to advise that Knowles have introduced a second manufacturing process for standard surface mount C0G Multilayer Ceramic Capacitors (MLCCs) to supplement existing capacity.

Custom parts with an additional suffix code are not included in scope at this time.

There is no difference to form, fit or function when comparing C0G Multilayer Ceramic Capacitors manufactured by the second manufacturing process with components manufactured by the current process. As such, there will be no part number changes.

Knowles has now accumulated extensive reliability test data in order to verify that the second manufacturing process for standard C0G Multilayer Ceramic Capacitors (MLCCs) meet all reliability specifications. Data packs are available on request.

Knowles ranges affected by this change are detailed on the next page. Samples will be available on request.

If customers prefer the current process, Knowles will accommodate these requirements by generating a special suffix code to make this a custom specific part number.

If you require further information, please contact your local Knowles customer service representative.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Myths Shang', written over a light blue rectangular background.

Myths Shang  
Staff QA Engineer, Knowles Precision Devices

**PCN Details**

PCN reference: 2023/02

PCN Issue Date: 19<sup>th</sup> April 2023

Product Ranges:

Size	Termination	Voltage	Capacitance	Capacitance Tolerance	Dielectric	Packaging	Suffix code
All	J, Y	All	All	All	C, G, K	All	None

Request Description: Introduce a second manufacture process for C0G MLCC.

Reasons for Request: Increase Knowles manufacturing process capacity.

Changes to Form,  
Fit or Function: No changes to component specifications.

Changes to Quality  
or Reliability: None.

Changes to Part  
Numbers: None.

Qualification  
Results: Available on request.

Are Samples  
Available? Available on request.

Implementation date: 20<sup>th</sup> July 2023