


Reference: QOD-510

Product/Process Change Notification
PCN-053121-AGA
Flexible Termination System EIA 0603, 3mm to 5mm

Date:	ID Number (MMDDYY): 053121	
Affected Products	Product Line: Automotive Flex Term	Case Sizes: 0603
	Voltages: All	Tolerances: All
	Dielectrics: All	C-spec's: AUTO, 3121, 3112, 3123, 3124, 3181, 3182, 3190, 3191, 3198, 3199, 3204
	Grade: Automotive	
	End Termination: Flexible Termination 100%Sn 	
Change	To meet the growing demand for improved flex robustness of Multilayer Ceramics Capacitors (MLCC), KEMET will be upgrading its flexible termination system to meet 5mm minimum flex capability.	
Change Details	<ul style="list-style-type: none"> • This PCN will only impact the Ag Epoxy Layer as seen in figure 1 below. • No change to dielectric material, Cu termination layer, Ni barrier layer, or Sn termination. • No change to catalog dimensions (see table below) • No change to part number format. • Quantity per reel for devices ordered with tape and reel packaging will remain the same. • AEC Q200 qualification per family has been performed and it is available upon request. 	

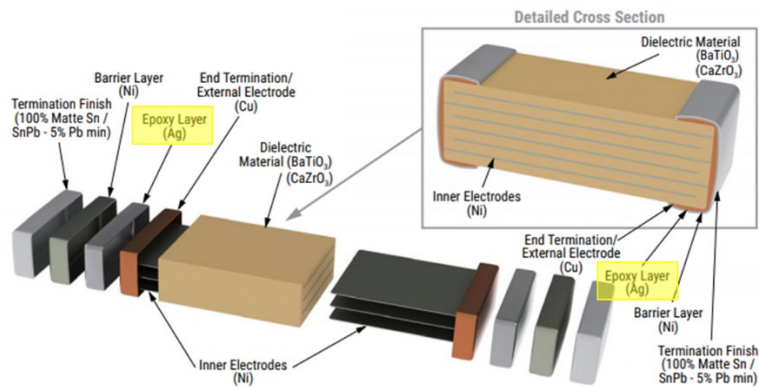


Figure 1 – Detailed view of MLCC

Change Details Cont ..	0603 Dimensions							
	EIA SIZE	METRIC SIZE	L LENGTH	W WIDTH	B BANDWIDTH	S [MIN] SEPARATION		
	0603	1608	1.60 (0.063) ± 0.17 (0.007)	0.80 (0.032) ± 0.15 (0.006)	0.45 (0.018) ± 0.15 (0.006)	0.58 (0.023)		
Table 2 – Chip Thickness/Tape & Reel Packaging Quantities								
Thickness Code		Thickness Range (mm)	Paper Quantity					
			7" Reel	13" Reel				
CF		0.80 ±0.07	4,000	15,000				
CG		0.80 ±0.10	4,000	15,000				
CJ		0.80 ±0.15	4,000	15,000				
CK		0.80 ±0.20	4,000	15,000				
CM		0.80 ±0.25	4,000	10,000				
CH		0.85 ±0.07	4,000	10,000				
Product Series Ordering Information								
C	0603	X	104	-	-	-	A	C
Cer	Case Size (L x W)	Specification/Series	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Diel.	Failure Rate/Design	Termination Finish
	0603	X= Flexible Termination Y= Floating Electrode with Flexible Termination W= Arcshield™ with Flexible Termination.	ALL	ALL	ALL	ALL	A= N/A	C=100% Sn
Effective Date and Identification		February 1 st 2022						
Affected Part Numbers		Please refer to "Affected Part Types" Excel file for KEMET part numbers being affected by these changes.						
To Obtain Samples or General Information Contact		Ana Garza Technical Product Management Ceramics PBU AnaGarza@kemet.com Craig Scruggs Director, Product Management Automotive Ceramics PBU CraigScruggs@kemet.com						

KEMET Proprietary Information
 Entire Contents not to be shared without express written consent of KEMET Electronics Corporation.