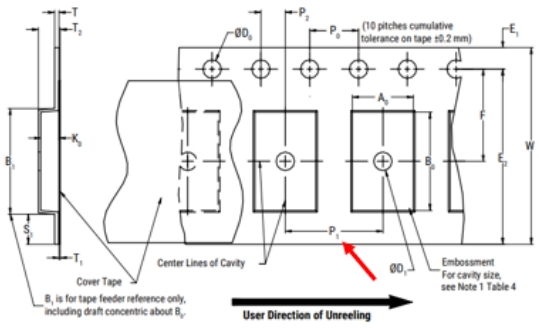


Reference: QOD-510

Product/Process Change Notification

PCN-090521-MRL

ID Number/Date	ID Number (MMDDYY): PCN-090521-MRL, September 5 th , 2021																																																					
Affected Product/s	<p>This PCN only affects a subset of EIA case size 1808 part numbers within the below series EIA Case Size 1808 High Voltage COG and X7R</p> <ul style="list-style-type: none"> SMD COG High Voltage Automotive and Commercial, Standard and Flexible Termination SMD X7R High Voltage Automotive and Commercial, Standard and Flexible Termination See part number list at the end of PCN for affected part types 																																																					
Change Overview	<p>The affected part numbers have a Tape and Reel Pitch (P_1) of 4mm per the catalog below. However, since the beginning of production of these part types, they were actually being shipped with a P_1 dimension of 8mm. This PCN will change the pitch of the parts being shipped to match the catalog specification of 4mm.</p>  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="9" style="text-align: center;">Variable Dimensions – Millimeters (Inches)</th> </tr> <tr> <th>Tape Size</th> <th>Pitch</th> <th>B_1 Maximum Note 4</th> <th>E_2 Minimum</th> <th>F</th> <th>P_1</th> <th>T_2 Maximum</th> <th>W Maximum</th> <th>A_0, B_0 & K_0</th> </tr> </thead> <tbody> <tr> <td>8 mm</td> <td>Single (4 mm)</td> <td>4.35 (0.171)</td> <td>6.25 (0.246)</td> <td>3.5 ±0.05 (0.138 ±0.002)</td> <td style="border: 2px solid red;">4.0 ±0.10 (0.157 ±0.004)</td> <td>2.5 (0.098)</td> <td>8.3 (0.327)</td> <td rowspan="3" style="text-align: center;">Note 5</td> </tr> <tr> <td>12 mm</td> <td>Single (4 mm) and double (8 mm)</td> <td>8.2 (0.323)</td> <td>10.25 (0.404)</td> <td>5.5 ±0.05 (0.217 ±0.002)</td> <td>8.0 ±0.10 (0.315 ±0.004)</td> <td>4.6 (0.181)</td> <td>12.3 (0.484)</td> </tr> <tr> <td>16 mm</td> <td>Triple (12 mm)</td> <td>12.1 (0.476)</td> <td>14.25 (0.561)</td> <td>7.5 ±0.05 (0.138 ±0.002)</td> <td>12.0 ±0.10 (0.157 ±0.004)</td> <td>4.6 (0.181)</td> <td>16.3 (0.642)</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Dimension</th> <th>Current Pitch in Catalog</th> <th>Current Pitch Being Shipped</th> <th>New Pitch in Catalog</th> <th>New Pitch Being Shipped</th> </tr> </thead> <tbody> <tr> <td>Pitch (P_1)</td> <td style="text-align: center;">4mm</td> <td style="text-align: center;">8mm</td> <td style="text-align: center;">4mm</td> <td style="text-align: center;">4mm</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Only the P_1 dimension will be changing No changes to the catalog will be made No changes in reel quantity for both 7" and 13" 	Variable Dimensions – Millimeters (Inches)									Tape Size	Pitch	B_1 Maximum Note 4	E_2 Minimum	F	P_1	T_2 Maximum	W Maximum	A_0, B_0 & K_0	8 mm	Single (4 mm)	4.35 (0.171)	6.25 (0.246)	3.5 ±0.05 (0.138 ±0.002)	4.0 ±0.10 (0.157 ±0.004)	2.5 (0.098)	8.3 (0.327)	Note 5	12 mm	Single (4 mm) and double (8 mm)	8.2 (0.323)	10.25 (0.404)	5.5 ±0.05 (0.217 ±0.002)	8.0 ±0.10 (0.315 ±0.004)	4.6 (0.181)	12.3 (0.484)	16 mm	Triple (12 mm)	12.1 (0.476)	14.25 (0.561)	7.5 ±0.05 (0.138 ±0.002)	12.0 ±0.10 (0.157 ±0.004)	4.6 (0.181)	16.3 (0.642)	Dimension	Current Pitch in Catalog	Current Pitch Being Shipped	New Pitch in Catalog	New Pitch Being Shipped	Pitch (P_1)	4mm	8mm	4mm	4mm
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Justification and Benefits	Manufacturing Productivity Improvement	
Effective Date and Identification	Orders placed after October 4 th , 2021 will start receiving reels with 4mm pitch.	
For General Information Contact	Mark R. Laps Technical Product Manager Ceramic Business Unit marklaps@kemet.com	
Affected Part Numbers	Table below shows ONLY part types with shipments history for the last 24 months.	
	PCN Name	KEMET Part Type
	PCN-090521-MRL	C1808C681KHRACTU
	PCN-090521-MRL	C1808C471KHRACTU
	PCN-090521-MRL	C1808X102KHRACTU
	PCN-090521-MRL	C1808C103KFRACTU
	PCN-090521-MRL	C1808C102KHRACTU
	PCN-090521-MRL	C1808C152KGRACTU
	PCN-090521-MRL	C1808C153KDRACTU
	PCN-090521-MRL	C1808C222KGRACTU
	PCN-090521-MRL	C1808C681JGGACTU
	PCN-090521-MRL	C1808C331KHRACTU
	PCN-090521-MRL	C1808C181FHGACAUTO
	PCN-090521-MRL	C1808X222KGRACTU
	PCN-090521-MRL	C1808C102KHRAC76217800
	PCN-090521-MRL	C1808C102KHRACAUTO
	PCN-090521-MRL	C1808C563KCRACTU
	PCN-090521-MRL	C1808X152KFGACTU
	PCN-090521-MRL	C1808C272KGRACTU
	PCN-090521-MRL	C1808C102KZRACTU
	PCN-090521-MRL	C1808C562KFRACTU
	PCN-090521-MRL	C1808C681FGGACAUTO
	PCN-090521-MRL	C1808X222MGRACTU
	PCN-090521-MRL	C1808C151FHGACTU
	PCN-090521-MRL	C1808C153KBRALTU
	PCN-090521-MRL	C1808C102KHRACWENG7800
	PCN-090521-MRL	C1808C102MZRACTU