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8755 W. Higgins Road  
Suite 500  
Chicago, IL 60631

[www.littelfuse.com](http://www.littelfuse.com)

26<sup>th</sup> June 2017

**RE: PCN – Littelfuse Ceramic Chip Fuse 438 (2A and above)**

To our valued customers,

This is a 6-month PCN.

Littelfuse is introducing a new 0603 footprint fuse series which has a higher i2t compared to our existing 438 series for 2A to 6A inclusive. This new series is known as the 438GT series.

The ratings for the 438GT series is from 2A to 6A inclusive.

This 438GT series will replace the existing 438 series chip fuses at the end of this year due to product rationalization.

The affected ratings are from 2A to 6A inclusive. Part numbers affected are as follows:

<b>Existing 438 SERIES (2A TO 6A inclusive)</b>		<b>Latests 438GT SERIES (2A TO 6A inclusive)</b>
0438002.WR	to	0438002.WRGT
043802.5WR	to	043802.5WRGT
0438003.WR	to	0438003.WRGT
043803.5WR	to	043803.5WRGT
0438004.WR	to	0438004.WRGT
0438005.WR	to	0438005.WRGT
0438006.WR	to	0438006.WRGT

**Details:**

- Validation Reports as attached ([438GT Series Process Validation Report.pdf](#)).
- Comparison of the physical fuse itself and the electrical performance (i2t, resistance). See the attached file ([Comparison of Existing 438 series and Latest 438GT](#)) and below.

## Electrical Characteristic Summary

Series	Rating (A)	Resistance (mΩ)		I <sup>2</sup> t (Asec <sup>2</sup> )	
		Existing 438 series	Latest 438GT series	Existing 438 series	Latest 438GT series
438 External Glass	2A	51	49	0.149	0.181
	2.5A	35	36	0.197	0.240
	3A	25	26	0.292	0.439
	3.5A	21	21	0.475	0.647
	4A	17	17	0.692	0.730
	5A	12	12	0.739	0.747
	6A	8	8	1.383	1.444

The 438GT series has a higher i2t relative to the existing 438 series.

### Timeframe:

- This notification is for your information and acknowledgement.
- If you require specific data or product samples to certify this change, please contact Littelfuse® within 90 days of the notification date.
  - 438GT samples are available today for qualification/evaluation.
- The effective date of this change is on 1<sup>st</sup> January 2018.
  - Existing 438 series Part numbers will need to be converted to 438GT part numbers at start of 1<sup>st</sup> Dec 2017.
- Last Time Buy for the existing part numbers will be on 1<sup>st</sup> December 2017.

If you have any other questions or concerns, please contact your local Littelfuse sales.

Best regards;

Daniel Wang  
Director of Product Management  
Electronics Business Unit  
Littelfuse Far East Pte Ltd  
(65) 6885 9199  
[Dwang@Littelfuse.com](mailto:Dwang@Littelfuse.com)