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Littelfuse, Inc.  
8755 West Higgins Road, Suite 500  
Chicago, IL 60631 USA  
www.littelfuse.com

March 16, 2020

### **Product Discontinuation Notice for PPGxxxHx Series RTDs**

Dear Valued Customers:

Littelfuse, Inc. would like to inform you of the discontinuation of the PPGxxxHx family of RTDs due to issues with manufacturability. This change is effective immediately. Unfortunately, due to the manufacturing issues, we cannot support any last time buy of these products.

A list of affected part numbers and their replacement products is shown in Table 1 below.

**Table 1: Obsolete PPGxxxHx part numbers and their replacements:**

<b>OLD PART NUMBER</b>	<b>STATUS</b>	<b>REPLACED BY</b>
PPG101HA	OBSOLETE	PPG101JA
PPG101HB	OBSOLETE	PPG101JB
PPG102HA	OBSOLETE	PPG102JA
PPG102HB	OBSOLETE	PPG102JB
PPG501HA	OBSOLETE	PPG501JA

The replacement products are each identical in form, fit, and function to their respective obsolete products except they contain differences in lead wire material. The obsolete PPGxxxHx series of products contained nickel lead wires while the replacement PPGxxxJx series of products contain platinum-clad nickel lead wires. All dimensions, electrical and thermal specifications are identical between the product families.

The PPGxxxJx series also serves as replacement products for selected part numbers from the PPG series previously announced for obsolescence on March 11, 2019. Table 2 below shows a list of the obsolete PPG series products and their replacement products.

**Table 2: Obsolete PPG part numbers and their replacements:**

<b>OLD PART NUMBER</b>	<b>STATUS</b>	<b>REPLACED BY</b>
PPG101A1	OBSOLETE	PPG101JA
PPG101B1	OBSOLETE	PPG101JB
PPG101C1	OBSOLETE	PPG101JB
PPG102A1	OBSOLETE	PPG102JA
PPG102B1	OBSOLETE	PPG102JB
PPG102C1	OBSOLETE	PPG102JB
PPG501A1	OBSOLETE	PPG501JA
PPG501B1	OBSOLETE	PPG501JA
PPG501C1	OBSOLETE	PPG501JA

Dimensional and specification differences between the PPG series and the replacement PPGxxxJx series are summarized in Table 3.

**Table 3: Specification differences between PPG series and PPGxxxJx series:**

OBSOLETE PART			REPLACEMENT PART		
PPG101A1	Width	0.067" ± 0.007"	PPG101JA	Width	0.083" ± 0.009"
	Length	0.110" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C
PPG101B1	Width	0.067" ± 0.007"	PPG101JB	Width	0.083" ± 0.009"
	Length	0.110" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C
PPG101C1	Width	0.067" ± 0.007"	PPG101JB	Width	0.083" ± 0.009"
	Length	0.110" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C
PPG102A1	Width	0.079" ± 0.007"	PPG102JA	Width	0.083" ± 0.009"
	Length	0.118" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C
PPG102B1	Width	0.079" ± 0.007"	PPG102JB	Width	0.083" ± 0.009"
	Length	0.118" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C
PPG102C1	Width	0.079" ± 0.007"	PPG102JB	Width	0.083" ± 0.009"
	Length	0.118" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C



**Table 3: Specification differences between PPG series and PPGxxxJx series (continued):**

OBSOLETE PART			REPLACEMENT PART		
PPG501A1	Width	0.079" ± 0.007"	PPG501JA	Width	0.083" ± 0.009"
	Length	0.118" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C
PPG501B1	Width	0.079" ± 0.007"	PPG501JB	Width	0.083" ± 0.009"
	Length	0.118" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C
PPG501C1	Width	0.079" ± 0.007"	PPG501JB	Width	0.083" ± 0.009"
	Length	0.118" ± 0.008"		Length	0.091" ± 0.008"
	Thickness	0.049" nominal		Thickness	0.049" maximum
	Lead Length	0.220" minimum		Lead Length	0.394" ± 0.079"
	Lead Dia.	0.008" nominal		Lead Dia.	0.0079" nominal
	Temp. Rating	-50°C to +500°C		Temp. Rating	-70°C to +500°C

This notification is for your information and acknowledgement. If you require specific data or product samples to certify this change, please contact Littelfuse before **April 16, 2020**. If we do not hear from you by **April 16, 2020**, we will consider that this change has been accepted and no further action is required.

Should you have any questions or require additional information, please contact your local Littelfuse sales representative.

Sincerely,

Tim Patel  
 Global Product Manager – Temperature Sensors  
 Electronics Business Unit  
 Littelfuse, Inc.