



# Product Change Notification

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## ● Purpose

2021-02-25 – This PCN is to notify customers of the following change to Sharp dust sensor model GP2Y1026AU0F:

- Added another capacitor supplier to stabilize production.

The specifications and reliability will not be changed as a result of this PCN. There is no change to the dust sensor model number.

## ● Effective Time of Change

These are running changes that will be applied to production starting in March, 2021.

## ● Details

Please refer to the pages that follow for the details of the change.

If you have any questions concerning this notification, please contact your Socle representatives at: [Socle Sales NA@socle-tech.com](mailto:Socle_Sales_NA@socle-tech.com)

25th, February , 2021

Issue No. ST- EDO12102A

## SHARP Products Change Notification

SHARP Fukuyama Semiconductor Co., Ltd.

Thank you very much for adopting our products.

Semiconductor Business Unit

We inform products change notification as follows;

Sales Div.



<b>Subject</b>	<b><u>Announcement of capacitor supplier for dust sensor</u></b>
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<b>Applicable Product Category</b>	<b>Dust Sensors ( 1 models)</b>
<b>Changed From</b>	<b>Running change since March 2021 onward</b>

Please be informed that some suppliers of capacitor mounted on dust sensor which will be added to stable the production.

Please kindly agree this "product change notification".

### 1. Applicable Models

	Model name
1	GP2Y1026AU0F

### 2. Contents of the change

It will be purchased ceramic capacitors used in dust sensor from two companies.

	Supplier name	Capacitance	Size
Current	Murata manufacturing Co., Ltd	0.1 $\mu$ F	1005
Addition	Walsin Technology Corporation	0.1 $\mu$ F	1005

※Please refer to the attachment document(comparison sheet) for details/

### 3. Reason of changes

In order to stably supply.

The specification and reliability will be not affected by this PCN

## Comparison sheet related on material change for SHARP dust sensor

**【Applicable Model】 GP2Y1026AU0F**

SHARP Fukuyama Semiconductor Co., Ltd.  
Semiconductor Business Unit

		Current Product	New product
Business Model No.		SAME	
SHARP Internal Model No.		SAME	
Country of Origin / Manufacturing Location		SAME (China / Zhuhai Ensei Electronics Co., Ltd.)	
Materials	capacitor to be changed	Supplier	Murata manufacturing co.,Ltd or <b>Walsin Technology Corporation</b>
		Size	1005 (SAME)
		Capacitance	0.1 $\mu$ F (SAME)
	Other materials		SAME
Electronic spec. (Including absolute maximum rating.)		SAME	
QC process		SAME	
Product Reliability		SAME	
Outline Dimension / Marking		SAME	
Package spec		SAME	

**Comparison sheet on added capacitor**SHARP Fukuyama Semiconductor Co., Ltd.  
Semiconductor Business Unit

Applicable Product Category : Dust Sensors

Model : GP2Y1026AU0F

	Current MLCC	Combine use of Current and New MLCC
Supplier name	Murata manufacturing co.,Ltd	Walsin Technology Corporation
Model name	GRM155B31C104KA87D	0402B104K160CT
Size code	1005	
Volume	0.1 $\mu$ F	
Voltage	16 VDC	
Temp.characteristic	B(JIS standard)	X7R(EIA standard)
	$\pm 10\%$ (-25~+85 $^{\circ}$ C)	$\pm 15\%$ (-55~+125 $^{\circ}$ C)
Tolerance	$\pm 10\%$	$\pm 10\%$
operating temperature	-25~+85 $^{\circ}$ C	-55~+125 $^{\circ}$ C