

Note: This PCN is issued by Sharp Devices Europe, other SHARP business units might have different schedules.

Product Change Notification

NOTIFICATION NO.	ISSUE DATE	LAST BUY DATE	LAST SHIP DATE
EU-PCN-20251106-01	06.11.2025	---	---

This is to advise you that the following product will be changed.

Product ID (Description):

Distance Measuring Sensors - please see the attached model list

Description of Change:

Due to bankruptcy of the supplier of signal processing ICs used in our distance measuring sensors, we are switching to a new IC by a different supplier.

The change of the signal processing IC will be as follows:

Current: Manufacturing factory: JS Foundry Niigata, Japan

New: Manufacturing factory: UMC, Taiwan

Although there will be changes to the signal processing IC specifications, in order to maintain the specifications of the distance measuring sensor itself, it will be necessary to change the PCB pattern, resistors (R), capacitors (C), and in some models, thermistors and lead frames, which are the components mounted on the distance measuring sensor.

Please see the attachments for all details.

Effect of Change:

Running change will be made sequentially after mass production available for each target model listed in the attached document.

Note:

There is no change in the external part number, product shape, product characteristics and reliability.

Please see the attached comparison sheet for details on material change.

Suggested Alternative Parts and/or Manufactures:

CHANGED SHARP PART NO.	SUCCESSOR / SUGGESTED ALTERNATE PART NO.	ALTERNATE MANUFACTURER
see above	-	---

In case of further questions, please contact your SHARP sales representative.

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Attachment

/Schedule of distance measuring sensor signal processing IC change

系列/Series	タイプ/OutputType	機種名/Model	社内品番/ Internal model	DVT sample (出荷/Shipment)	倉入れ Warehousing
GP2Y系列 /Series	アナログ出力 Analog output	GP2Y0A02YK0F	GP2Y0A02YKFA	31 Oct 2025	量産中/Ready
		GP2Y0A21YK0F	GP2Y0A21YKFA	31 Oct 2025	量産中/Ready
		GP2Y0A51SK0F	GP2Y0A51SK0A	31 Oct 2025	量産中/Ready
		GP2Y0A41SK0F	GP2Y0A41SKFA	31 Oct 2025	量産中/Ready
	デジタル出力 Digital output	GP2Y0D02YK0F	GP2Y0D02YKFA	31 Oct 2025	量産中/Ready
		GP2Y0D21YK0F	GP2Y0D21YKFA	31 Oct 2025	量産中/Ready
GP2Y0AF系列 /Series (小型測距 /Small type)	アナログ出力 Analog output	GP2Y0AF15R	GP2Y0AF15R0A	※1	Mar 2026
		GP2Y0AF15X	GP2Y0AF15X0A	31 Oct 2025	Mar 2026
		GP2Y0AF15XR	GP2Y0AF15XRA	31 Oct 2025	Mar 2026
		GP2Y0AF15Q	GP2Y0AF15Q0A	31 Oct 2025	Mar 2026
		GP2Y0AF15Y	GP2Y0AF15Y0A	31 Oct 2025	Mar 2026
		GP2Y0AF15Y	GP2Y0AF15YSA	31 Oct 2025	Mar 2026
		GP2Y0AF30Q	GP2Y0AF30Q0A	※1	Mar 2026
		GP2Y0AF30R	GP2Y0AF30R0A	31 Oct 2025	Mar 2026
		GP2Y0AF30S	GP2Y0AF30S0A	31 Oct 2025	Mar 2026
		GP2Y0AF30Y	GP2Y0AF30Y0A	31 Oct 2025	Mar 2026

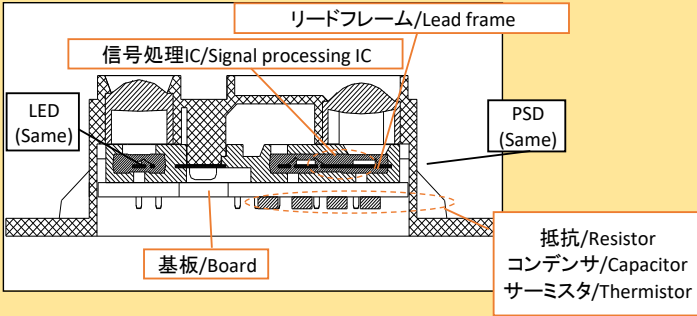
※1 ユーザー殿と協議の上、サンプルを準備 / Need to discuss the sample preparation with customers.

SHARP測距センサ 材料変更に関する比較表

Comparison sheet related on material change for SHARP Distance sensor

シャープセミコンダクターイノベーション株式会社

Sharp Semiconductor Innovation Corporation

			変更前/Before Change	変更後/After Change
社外品番/Applicable Model No.			全機種/All models (Same)	
社内品番/SHARP Internal Model No.			添付リスト参照/Refer to attached list	社内品番変更/Internal model No. changed
Country of Origin / Manufacturing Location			中国／珠海縁成電子 China / Zhuhai Ensei Electronics Co., Ltd. (Same)	
材料/ Materials	信号処理 IC /Signal processing IC	工場/Factory	JS Foundry	UMC(Taiwan)
		IC仕様 /IC Spec.	—	端子配置・機能変更有り /Pin assign・Function changed
		開発・ベンダー / Design・Vendor	S company (同一/Same)	
	基板/Board		—	ICに合わせた配線パターン変更 /Layout pattern changed to fit new IC
	抵抗/Resistor		—	ICに合わせた定数変更・使用数変更 /Constant value and use number changed to fit new IC
	コンデンサ/Capacitor		—	ICに合わせた定数変更・使用数変更 /Constant value and use number changed to fit new IC
	サーミスタ/Thermistor		—	ICに合わせた定数変更/Constant value changed to fit new IC (一部機種のみ / Only some models)
	リードフレーム/Lead frame		—	ICに合わせたフレーム変更 / Frame changed to fit new IC (一部機種のみ / Only some models)
	断面図/Cross section (参考/Reference)			
	その他部材(LED, PSD, Lens付きモールドケース等) /The other materials(LED, PSD, Lens mold case, etc.)		同一/Same	
電気的特性 / Electronic spec. (絶対最大定格含む/ Including absolute maximum rating.)			同一/Same	
QC工程 / QC process			同一/Same	
製品信頼性 / Product Reliability			同一/Same	
外形図/ Outline Dimension			同一/Same	
マーク/ Marking			末尾に識別マーク「B」追加 / Discrimination Mark「B」 added at the end	末尾に識別マーク「A」追加 / Discrimination Mark「A」 added at the end
梱包仕様 / Package spec			同一/Same	

※色塗り箇所は変化を伴う項目です。／The coloring parts are parameters accompanied by change.