



Product Change Notification

■ Purpose

[2024-01-26] Sharp Corporation would like to notify customers of a change in the lead frame shape for the following connector-integrated photointerrupter models:

- GP1A173LCS5F
- GP1S173LCS2F

There will be no changes to the part specifications or reliability.

There will be no changes to the internal or external part number.

■ Effective Time of Change

These are running changes that will be applied in production starting in June, 2024.

■ Details

Please refer to the pages that follow for more details concerning the changes.

If you have any questions concerning this notification, please contact your Socle representatives at: Socle_Sales_NA@socle-tech.com

26 th January, 2024

Issue No. ST- EDO2401A

SHARP Products Change Notification

Sharp Semiconductor Innovation Corporation

Thank you very much for your continuous usage
of our semiconductor device products.

We would like to inform the change of photo sensor as follows.

Product
Planning
Div.



M.Watanabe

Subject	<u>Notification of the Change of Photointerrupter Lead Frame Shape</u>
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Applicable Product Category	Photointerrupter with integrated connector (3 models)
Changed From	Running change is scheduled for June 2024 onward. ※Depending on the sales situation, the schedule may be subjected to change.

We will change the shape of the lead frame,
which is a component of the photointerrupter with integrated connector
(GP1A173/GP1S173/GP1S273 series), so please check the details of the change.
Thank you for your understanding.

1. Applicable Models

	Model No.
1	GP1A173LCS5F
2	GP1S173LCS2F
3	GP1S273LCS1F

2. Contents of Change

Changing the shape of the lead frame

※For details, please refer to the attached comparison table.

3. Reason for Change

For improvement of productivity

There are no changes to product specifications and reliability.

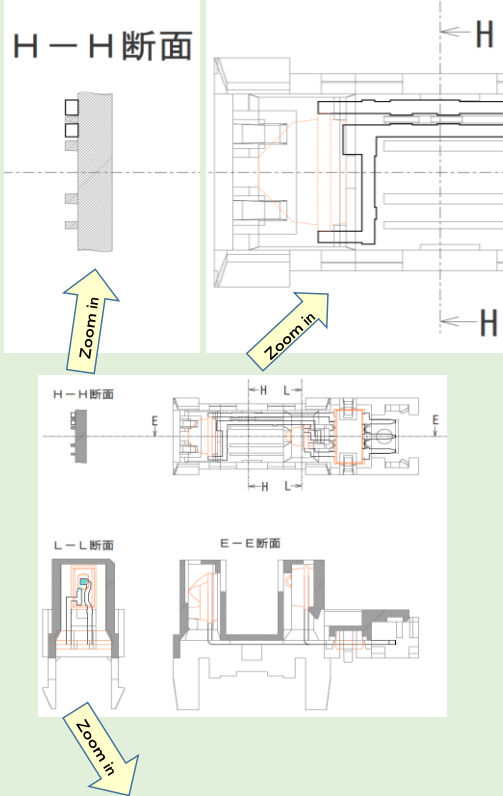
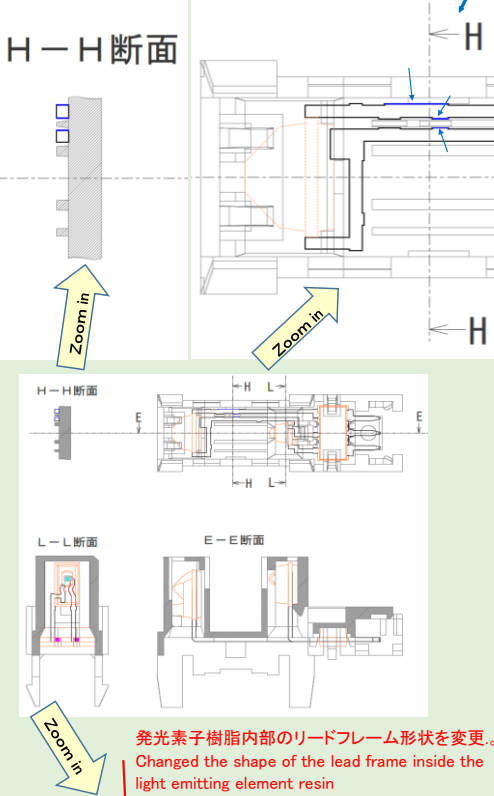
コネクタ一体型フォトインタラプタ リードフレーム形状変更に伴う比較資料
Photointerrupter Change Comparison Document

SHARP Semiconductor Innovation Corporation
シャープセミコンダクターイノベーション株式会社

		従来品 Current Product	変更品 Modified Product
取引品番 Business Model No.		同 ー (GP1A173LCS*F) SAME	
SHARP 社内管理用品番 SHARP Internal Model No.		同 ー (GP1A173LCS*4) SAME	
原産国／生産工場 Country of Origin / Manufacturing Location		同 ー 中国／珠海綠成電子有限公司 SAME (China / ZHUHAI ENSEI ELECTRONICS CO., LTD.)	
材料 Materials	リードフレーム Lead Frame	従来形状 Current Shape	変更形状(内部のみ) Modified Shape (Inner Only)
			<p>リードフレームの幅広部の長さを0.2mm短く変更(8箇所) Shorten the length of the wide part of the lead frame by 0.2 mm (8parts)</p>
	その他 材料 Other Materials	同 ー SAME	
QC工程 QC process	生産設備・方法 Production Equipment & Method	同 ー SAME	
	検査設備・方法 Inspection Equipment & Method	同 ー SAME	
電気的特性(絶対最大定格含む) Electronic Spec. (Including absolute maximum rating.)		同 ー SAME	
信頼性 Product Reliability		同 ー SAME	
外観／マーキング Visual / Marking		同 ー SAME	
包装仕様・ラベル標記ルール Package Spec. / Description of Label		同 ー SAME	

コネクター一体型フォトインタラプタ リードフレーム形状変更に伴う比較資料
Photointerrupter Change Comparison Document

SHARP Semiconductor Innovation Corporation
シャープセミコンダクターイノベーション株式会社

		従来品 Current Product	変更品 Modified Product
取引品番 Business Model No.		同 ー (GP1S173LCS*F/GP1S273LCS1F) SAME	
SHARP 社内管理用品番 SHARP Internal Model No.		同 ー (GP1S173LC**4/GP1S273LCS14) SAME	
原産国／生産工場 Country of Origin / Manufacturing Location		同 ー (中国／珠海縁成電子有限公司) SAME (China/ZHUHAI ENSEI ELECTRONICS CO., LTD.)	
材料 Materials	リードフレーム Lead Frame	従来形状 Current Shape	変更形状(内部のみ) Modified Shape(inner Only)
			<p>リードフレームの幅広部の長さを0.2mm短く変更(3箇所) Shorten the length of the wide part of the leadframe by 0.2 mm (3 parts)</p>  <p>発光素子樹脂内部のリードフレーム形状を変更。 Changed the shape of the lead frame inside the light emitting element resin</p> <p>GP1A173シリーズで採用中の形状に統一いたします。 Unified to the shape currently used in the GP1A173 series.</p>
	その他 材料 Other Materials	同 ー SAME	
QC工程 QC process	生産設備・方法 Production Equipment & Method	同 ー SAME	
	検査設備・方法 Inspection Equipment & Method	同 ー SAME	
電気的特性(絶対最大定格含む) Electronic Spec. (Including absolute maximum rating.)		同 ー SAME	
信頼性 Product Reliability		同 ー SAME	
外観／マーキング Visual/Marking		同 ー SAME	
包装仕様・ラベル標記ルール Package Spec. / Description of Label		同 ー SAME	