

Product Change Notice

(PCN Tracking Number: EE-QR-191216-01)

Version: 1.0

Customer:	All
Renesas Product Type:	Please refer to product list on pages 4-5
Description of Change:	Change of wafer fab. plant & wafer aperture for photocoupler's photo detector Current: Shiga plant, 6 inch New: Naka plant or Kawashiri plant, 8 inch This change is related to 4 product groups and for each group there will be a separate PCN with different times. This PCN is related to the fourth group.
Reason for Change:	Termination of the silicon line at Shiga plant.
Identification:	The product itself cannot be identified, but it is possible to distinguish between 6 inch and 8 inch products by the label printing contents of the exterior box.
Schedules:	Sample & reliability report: From March 2020 onwards Requested approval by: By November 2020 latest Shipment of new Parts: January 2021
Anticipated Impact:	Fit, Form & Function: No change Quality & Reliability: No change Material declaration: Change wafer aperture from 6 inch to 8 inch
Doc. No.:	EEQC-PCN-CR-19-0080
Internal Reference:	GET-11976

In case of any question, please contact:

INITIATOR	TITLE	E-mail	PHONE No.
Farhad Banihashemi	Staff Engineer	Farhad.Banihashemi@renesas.com	+49-211-6503-1844

Düsseldorf, 16 Dec. 2019

Customer Response:

(please fill in and return by e-mail, fax or mail)

- | | |
|--|------------------------|
| <input type="checkbox"/> acknowledge | Company: _____ |
| <input type="checkbox"/> acceptable | |
| <input type="checkbox"/> unacceptable (pls. comment) | Name & Position: _____ |
| <input type="checkbox"/> not applicable | Phone / Fax No.: _____ |

Note: Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN in which to make any objections to the PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved. If customer cannot accept the PCN, they must provide Renesas with a last time buy demand and purchase order.

Comments:

(Signature)

Details of Change:

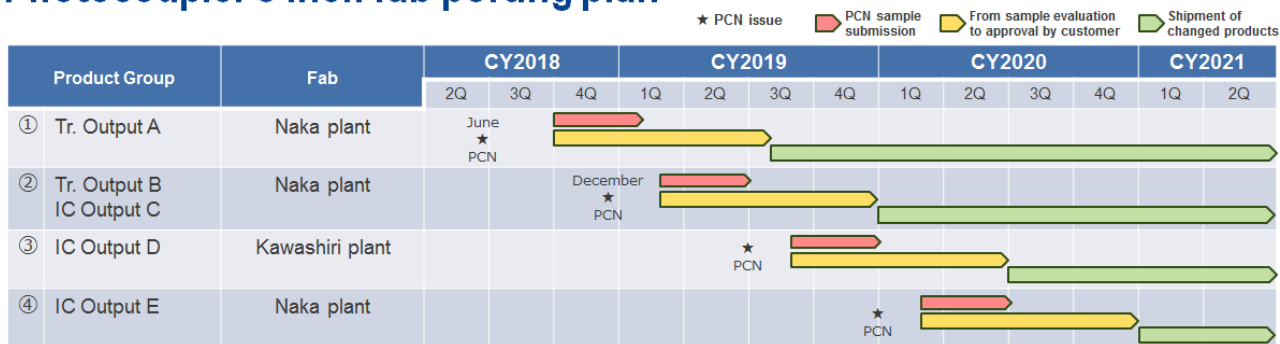
Item		New	Current
[item no.]	Company	RSMC Naka plant / RSMC Kawashiri plant	RSMC Shiga plant
	Location	Ibaraki / Kumamoto	Shiga
	Manufacturer	RSMC Naka plant / RSMC Kawashiri plant 8 inch	RSMC Shiga plant 6 inch
	Machine	Similar to Shiga plant	-
	Method	Similar to Shiga plant	-
	Material	Regarding photo Tr., change the retailer for some materials	-
	Measurement	Change some chips	-
	Environment	Similar clean room grade to Shiga plant	-

Sample order:

Sample requests in units of 10 or 20 pieces (depending on product type specified on page 3) by Mar. 2020.

Supplementary Information:

Photocoupler 8 inch fab porting plan



- Regarding the characteristic data and QT results of the representative evaluation, and the 4M document, please contact with REL sales department, distributor or agency.

(Note) Not porting product

- We terminate PS2932 and PS9552 production and shipment because these products are the old generation product.
(PS2932 alternative products : PS2933, PS9552 alternative products : PS9531)

● Group① (Tr. Output A)

Product Group	Fab	Structure/Function etc.	Representative Evaluation Product	PKG	Product Name	Sample Request Quantity per Unit	
①	Tr. Output A	Naka plant	Darlington Output, Tr. Breakdown Voltage; 40V	PS2802	DIP (6.5*4.6*3.5)	PS2502, PS2506, PS2562	10 pieces
					SOP (4.4*4.0*2.1)	PS2702, PS2706	20 pieces
					SSOP (4.4*2.7*2.0)	PS2802, PS2806	20 pieces
			Single Output Tr. Breakdown Voltage; 120V	PS2514	DIP (6.5*4.6*3.5)	PS2514	10 pieces
			Single Output Tr. Breakdown Voltage; 350V	PS2503	DIP (6.5*4.6*3.5)	PS2503	10 pieces

● Group② (Tr. Output B)

Product Group	Fab	Structure/Function etc.	Representative Evaluation Product	PKG	Product Name	Sample Request Quantity per Unit			
②	Tr. Output B	Naka plant	Single Output Tr. Breakdown Voltage; 40V	PS2701	SOP (4.4*4.0*2.1)	PS2701, PS2705	20 pieces		
					Single Output Tr. Breakdown Voltage; 80V	PS2801	DIP (6.5*4.6*3.5)	PS2501, PS2505, PS2561, PS2565, PS2571, PS2581, PS2501A, PS2561A, PS2581A, PS2561B, PS2561D, PS2561F	10 pieces
							SOP (4.4*4.0*2.1)	PS2711, PS2715, PS2701A, PS2705A, PS2761B	20 pieces
			SSOP (4.4*2.7*2.0)	PS2801, PS2805, PS2811, PS2815, PS2841, PS2845, PS2801A, PS2805A, PS2801C, PS2805C, PS2861B			20 pieces		
			SON (4.6*2.5*2.1)	PS2911, PS2915			20 pieces		
			Single Output Tr. Breakdown Voltage; 120V	PS2913	LSOP (7.5*3.8*2.0)	PS2381	20 pieces		
					DIP (6.5*4.6*3.5)	PS2513	10 pieces		
					SOP (4.4*4.0*2.1)	PS2703	20 pieces		
			Darlington Output, Tr. Breakdown Voltage; 350V	PS2733	SON (4.6*2.5*2.1)	PS2913	20 pieces		
					PS2833	DIP (6.5*4.6*3.5)	PS2533	10 pieces	
						SOP (4.4*4.0*2.1)	PS2733	20 pieces	
					SON (4.6*2.5*2.1)	PS2933	20 pieces		
						DIP (6.5*4.6*3.5)	PS2535	10 pieces	
			SSOP (4.4*2.7*2.0)	PS2833	20 pieces				
			SON (4.6*2.5*2.1)	PS2933	20 pieces				

● Group② (IC Output C)

Product Group	Fab	Structure/Function etc.	Representative Evaluation Product	PKG	Product Name	Sample Request Quantity per Unit	
②	IC Output C	Naka plant	IPM driver	PS9303	6pin SDIP (4.6*6.8*3.5)	PS9303	10 pieces
					PS9313	10 pieces	
				PS9113	SO-5 (3.4*4.4*2.6)	PS9113	20 pieces
					LSO5 (3.8*7.5*2.0)	PS9013	10 pieces
					8pin DIP (9.3*6.5*3.5)	PS9513	10 pieces

● Group③ (IC Output D)

Product Group	Fab	Structure/Function etc.	Representative Evaluation Product	PKG	Product Name	Sample Request Quantity per Unit		
③	IC Output D	Kawashiri plant	15Mbps	PS9151	SO-5 (3.4*4.4*2.6)	PS9151	20 pieces	
					SO-8 (5.2*4.0*3.3)	PS9851	10 pieces	
					6pin SDIP (4.6*6.8*3.5)	PS9351	10 pieces	
			ISA	PS8352A	8pin SDIP (5.9*6.6*3.5)	PS8352A	10 pieces	
					8pin DIP (9.3*6.5*3.5)	PS8551A, PS8551	10 pieces	
					PS9352A	8pin SDIP (5.9*6.6*3.5)	PS9352A	10 pieces
						8pin DIP (9.3*6.5*3.5)	PS9551A	10 pieces

● Group④ (IC Output E)

Product Group	Fab	Structure/Function etc.	Representative Evaluation Product	PKG	Product Name	Sample Request Quantity per Unit	
④	IC Output E	1-10Mbps	PS9124	SO-5 (3.4*4.4*2.6)	PS9124	20 pieces	
				6pin SDIP (4.6*6.8*3.5)	PS9324	10 pieces	
				LSDIP (6.7*13.8*3.3)	PS9924	10 pieces	
			PS9123	SO-5 (3.4*4.4*2.6)	PS9123	20 pieces	
				PS9121	SO-5 (3.4*4.4*2.6)	PS9117A, PS9121	20 pieces
					SO-8 (5.2*4.0*3.3)	PS9817A, PS9821	10 pieces
			PS9001	6pin SDIP (4.6*6.8*3.5)	PS9317	10 pieces	
				8pin DIP (9.3*6.5*3.5)	PS9587	10 pieces	
				LSO5 (3.8*7.5*2.0)	PS9001	10 pieces	
			PS9122	SO-5 (3.4*4.4*2.6)	PS9122	20 pieces	
				SO-8 (5.2*4.0*3.3)	PS9822	10 pieces	
				PS8101	SO-5 (3.4*4.4*2.6)	PS8101	20 pieces
			PS8302		6pin SDIP (4.6*6.8*3.5)	PS8302	10 pieces
					SO-8 (5.2*4.0*3.3)	PS8802	10 pieces
			Analog 1M	PS8802	8pin DIP (9.3*6.5*3.5)	PS8501, PS8502	10 pieces
		LSDIP (6.7*13.8*3.3)			PS8902	10 pieces	
		8pin SDIP (5.9*6.6*3.5)			PS9332	10 pieces	
		PS9307A		6pin SDIP (4.6*6.8*3.5)	PS9307A, PS9307	10 pieces	
				PS9402	SO-16 (10.3*7.5*3.5)	PS9402	10 pieces
					LSO5 (3.8*7.5*2.0)	PS9031	10 pieces
		PS9031		6pin SDIP (4.6*6.8*3.5)	PS9331, PS9305, PS9308	10 pieces	
				8pin DIP (9.3*6.5*3.5)	PS9531, PS9505	10 pieces	
				LSDIP (6.7*13.8*3.3)	PS9905	10 pieces	
		PS9306	6pin SDIP (4.6*6.8*3.5)	PS9306	10 pieces		
			8pin DIP (9.3*6.5*3.5)	PS9506	10 pieces		
			PS9009	LSO5 (3.8*7.5*2.0)	PS9009	10 pieces	
		IPM driver		6pin SDIP (4.6*6.8*3.5)	PS9309	10 pieces	

Product List:

PS8101-AX	PS8802-2-V-F3-AX	PS9305L-AX
PS8101-F3-AX	PS8902-Y-AX	PS9305L-E3-AX
PS8101-F4-AX	PS8902-Y-F3-AX	PS9305L-V-AX
PS8101-V-AX	PS8902-Y-V-AX	PS9305L-V-E3-AX
PS8101-V-F3-AX	PS8902-Y-V-F3-AX	PS9306L2-AX
PS8101-V-F4-AX	PS9001-Y-AX	PS9306L2-E3-AX
PS8302L2-AX	PS9001-Y-F3-AX	PS9306L2-V-AX
PS8302L2-E3-AX	PS9001-Y-V-AX	PS9306L2-V-E3-AX
PS8302L2-V-AX	PS9001-Y-V-F3-AX	PS9306L-AX
PS8302L2-V-E3-AX	PS9009-Y-AX	PS9306L-E3-AX
PS8302L-AX	PS9009-Y-F3-AX	PS9306L-V-AX
PS8302L-E3-AX	PS9009-Y-V-AX	PS9306L-V-E3-AX
PS8302L-V-AX	PS9009-Y-V-F3-AX	PS9307AL2-AX
PS8302L-V-E3-AX	PS9031-Y-AX	PS9307AL2-E3-AX
PS8501-AX	PS9031-Y-F3-AX	PS9307AL2-V-AX
PS8501L1-AX	PS9031-Y-V-AX	PS9307AL2-V-E3-AX
PS8501L1-V-AX	PS9031-Y-V-F3-AX	PS9307AL-AX
PS8501L2-AX	PS9117A-AX	PS9307AL-E3-AX
PS8501L2-E3-AX	PS9117A-F3-AX	PS9307AL-V-AX
PS8501L2-V-AX	PS9117A-F4-AX	PS9307AL-V-E3-AX
PS8501L2-V-E3-AX	PS9117A-V-AX	PS9307L2-AX
PS8501L3-AX	PS9117A-V-F3-AX	PS9307L2-E3-AX
PS8501L3-E3-AX	PS9117A-V-F4-AX	PS9307L2-V-AX
PS8501L3-V-AX	PS9121-AX	PS9307L2-V-E3-AX
PS8501L3-V-E3-AX	PS9121-F3-AX	PS9307L-AX
PS8501-V-AX	PS9121-F4-AX	PS9307L-E3-AX
PS8502-AX	PS9121-V-AX	PS9307L-V-AX
PS8502L1-AX	PS9121-V-F3-AX	PS9307L-V-E3-AX
PS8502L1-V-AX	PS9121-V-F4-AX	PS9308L2-AX
PS8502L2-AX	PS9122-AX	PS9308L2-E3-AX
PS8502L2-E3-AX	PS9122-F3-AX	PS9308L2-V-AX
PS8502L2-V-AX	PS9122-V-AX	PS9308L2-V-E3-AX
PS8502L2-V-E3-AX	PS9122-V-F3-AX	PS9308L-AX
PS8502L3-AX	PS9123-AX	PS9308L-E3-AX
PS8502L3-E3-AX	PS9123-F3-AX	PS9308L-V-AX
PS8502L3-V-AX	PS9123-V-AX	PS9308L-V-E3-AX
PS8502L3-V-E3-AX	PS9123-V-F3-AX	PS9309L2-AX
PS8502-V-AX	PS9124-AX	PS9309L2-E3-AX
PS8802-1-AX	PS9124-F3-AX	PS9309L2-V-AX
PS8802-1-F3-AX	PS9124-V-AX	PS9309L2-V-E3-AX
PS8802-1-V-AX	PS9124-V-F3-AX	PS9309L-AX
PS8802-1-V-F3-AX	PS9305L2-AX	PS9309L-E3-AX
PS8802-2-AX	PS9305L2-E3-AX	PS9309L-V-AX
PS8802-2-F3-AX	PS9305L2-V-AX	PS9309L-V-E3-AX
PS8802-2-V-AX	PS9305L2-V-E3-AX	PS9317L2-AX

PS9317L2-E3-AX	PS9505L3-V-E3-AX	PS9817A-2-V-F3-AX
PS9317L2-V-AX	PS9505-V-AX	PS9821-1-AX
PS9317L2-V-E3-AX	PS9506-AX	PS9821-1-F3-AX
PS9317L-AX	PS9506L1-AX	PS9821-1-V-AX
PS9317L-E3-AX	PS9506L1-V-AX	PS9821-1-V-F3-AX
PS9317L-V-AX	PS9506L2-AX	PS9821-2-AX
PS9317L-V-E3-AX	PS9506L2-E3-AX	PS9821-2-F3-AX
PS9324L2-AX	PS9506L2-V-AX	PS9821-2-V-AX
PS9324L2-E3-AX	PS9506L2-V-E3-AX	PS9821-2-V-F3-AX
PS9324L2-V-AX	PS9506L3-AX	PS9822-1-AX
PS9324L2-V-E3-AX	PS9506L3-E3-AX	PS9822-1-F3-AX
PS9324L-AX	PS9506L3-V-AX	PS9822-1-V-AX
PS9324L-E3-AX	PS9506L3-V-E3-AX	PS9822-1-V-F3-AX
PS9324L-V-AX	PS9506-V-AX	PS9822-2-AX
PS9324L-V-E3-AX	PS9531-AX	PS9822-2-F3-AX
PS9331L2-AX	PS9531L1-AX	PS9822-2-V-AX
PS9331L2-E3-AX	PS9531L1-V-AX	PS9822-2-V-F3-AX
PS9331L2-V-AX	PS9531L2-AX	PS9905-Y-AX
PS9331L2-V-E3-AX	PS9531L2-E3-AX	PS9905-Y-F3-AX
PS9331L-AX	PS9531L2-V-AX	PS9905-Y-V-AX
PS9331L-E3-AX	PS9531L2-V-E3-AX	PS9905-Y-V-F3-AX
PS9331L-V-AX	PS9531L3-AX	PS9924-Y-AX
PS9331L-V-E3-AX	PS9531L3-E3-AX	PS9924-Y-F3-AX
PS9332L2-AX	PS9531L3-V-AX	PS9924-Y-V-AX
PS9332L2-E3-AX	PS9531L3-V-E3-AX	PS9924-Y-V-F3-AX
PS9332L2-V-AX	PS9531-V-AX	PS8101-F3-K-AX
PS9332L2-V-E3-AX	PS9587-AX	PS8101-K-AX
PS9332L-AX	PS9587L1-AX	PS8101-V-F3-K-AX
PS9332L-E3-AX	PS9587L1-V-AX	PS8101-V-K-AX
PS9332L-V-AX	PS9587L2-AX	PS9117A-V-F3-NTY-AX
PS9332L-V-E3-AX	PS9587L2-E3-AX	PS9122-F3-L-AX
PS9402-AX	PS9587L2-V-AX	PS9122-L-AX
PS9402-E3-AX	PS9587L2-V-E3-AX	PS9122-N-AX
PS9402-V-AX	PS9587L3-AX	PS9822-2-F3-N-AX
PS9402-V-E3-AX	PS9587L3-E3-AX	PS9822-2-L-AX
PS9505-AX	PS9587L3-V-AX	PS9122-F3-N-AX
PS9505L1-AX	PS9587L3-V-E3-AX	PS9822-1-F3-N-AX
PS9505L1-V-AX	PS9587-V-AX	PS9822-1-L-AX
PS9505L2-AX	PS9817A-1-AX	PS9822-1-N-AX
PS9505L2-E3-AX	PS9817A-1-F3-AX	PS9822-2-F3-L-AX
PS9505L2-V-AX	PS9817A-1-V-AX	PS9822-2-N-AX
PS9505L2-V-E3-AX	PS9817A-1-V-F3-AX	
PS9505L3-AX	PS9817A-2-AX	
PS9505L3-E3-AX	PS9817A-2-F3-AX	
PS9505L3-V-AX	PS9817A-2-V-AX	