

Product Change Notice

(PCN Tracking Number: EE-QR-181219-01)

Version: 1.0

Customer:	All
Renesas Product Type:	Please refer to product list on page 4
Description of Change:	<p>Change of wafer fab. plant & wafer aperture for photocoupler's photo detector</p> <p>Current: Shiga plant, 6 inch New: Naka plant or Kawashiri plant, 8 inch</p> <p>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 second group.</p>
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:	<p>Sample & reliability report: From March 2019 onwards</p> <p>Requested approval by: By e/o Nov. 2019 latest</p> <p>Shipment of new Parts: Jan. 2020</p>
Anticipated Impact:	<p>Fit, Form & Function: No change</p> <p>Quality & Reliability: No change</p> <p>Material declaration: Change wafer aperture from 6 inch to 8 inch</p>
Doc. No.:	EEQC-PCN-CR-18-0078
Internal Reference:	GET-11721

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, 19 Dec. 2018

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:

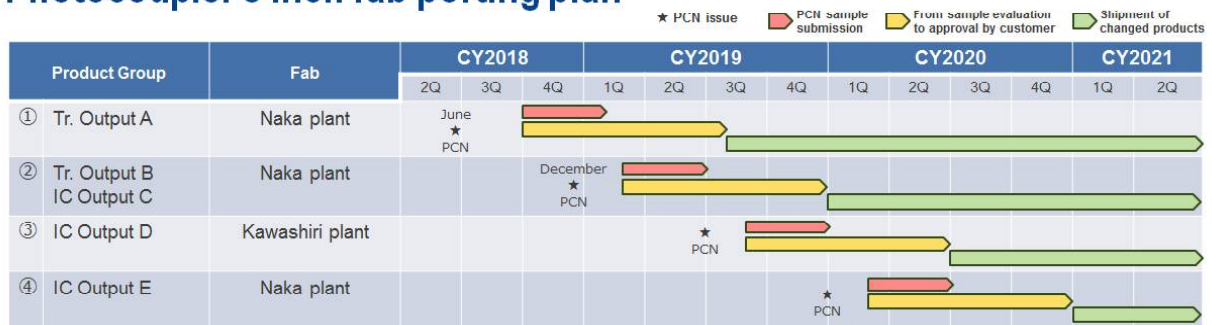
Item		New	Current
[item no.]	Company	RSMC Naka plant / RSMC Kawashiri plant	RSMC Shiga plant
	Location	Ibaraki / Kumamoto	Shiga
	Manufacturer	RSMC Naka plant / RSMC Kawashiri plant	RSMC Shiga plant
	Machine	8 inch	6 inch
	Method	Similar to Shiga plant	-
	Material	Similar to Shiga plant	-
	Measurement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

Sample order:

Please request samples in units of 10 pieces and in bulk packaging from March 2019.

Supplementary Information:

Photocoupler 8 inch fab porting plan



- Regarding the characteristic data and QT results of the representative evaluation, and the 1M 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.	PKG	Product Name	Representative Evaluation Product
①	Tr. Output A	Darlington Output Tr. Breakdown Voltage; 40V	DIP (6.5*4.6*3.5)	PS2502, PS2506, PS2562	PS2802
			SOP (4.4*4.0*2.1)	PS2702, PS2706	
			SSOP (4.4*2.7*2.0)	PS2802, PS2806	
		Single Output Tr. Breakdown Voltage; 120V	DIP (6.5*4.6*3.5)	PS2514	PS2514
		Single Output Tr. Breakdown Voltage; 350V	DIP (6.5*4.6*3.5)	PS2503	PS2503

● Group② (Tr. Output B)

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

● Group② (IC Output C)

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

● Group③ (IC Output D)

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

● Group④ (IC Output E)

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

Product List:

PS2381-1Y-AX	PS2561AL1-1Y-A	PS2561L-1-A
PS2381-1Y-F3-AX	PS2561AL1-1Y-V-A	PS2561L-1-F3-A
PS2381-1Y-V-AX	PS2561AL-1-A	PS2561L-1-V-A
PS2381-1Y-V-F3-AX	PS2561AL-1-F3-A	PS2561L-1-V-F3-A
PS2501-1-A	PS2561AL-1-V-A	PS2561L-1Y-A
PS2501-1Y-A	PS2561AL-1-V-F3-A	PS2561L-1Y-F3-A
PS2501-4-A	PS2561AL-1Y-A	PS2561L-1Y-V-A
PS2501A-1-A	PS2561AL-1Y-V-A	PS2561L-1Y-V-F3-A
PS2501A-1Y-A	PS2561AL-1Y-V-F3-A	PS2561L2-1-A
PS2501AL-1-A	PS2561AL2-1-A	PS2561L2-1-F3-A
PS2501AL-1-F3-A	PS2561AL2-1-F3-A	PS2561L2-1-V-A
PS2501AL-1Y-A	PS2561AL2-1-V-A	PS2561L2-1-V-F3-A
PS2501AL-1Y-F3-A	PS2561AL2-1-V-F3-A	PS2561L2-1Y-A
PS2501L-1-A	PS2561AL2-1Y-A	PS2561L2-1Y-F3-A
PS2501L-1-F3-A	PS2561AL2-1Y-F3-A	PS2561L2-1Y-V-A
PS2501L-1Y-A	PS2561AL2-1Y-V-A	PS2561L2-1Y-V-F3-A
PS2501L-1Y-F3-A	PS2561AL2-1Y-V-F3-A	PS2565-1-A
PS2501L-4-A	PS2561B-1-A	PS2565-1-V-A
PS2505-1-A	PS2561B-1-V-A	PS2565-1Y-A
PS2505-4-A	PS2561BL1-1-A	PS2565-1Y-V-A
PS2505L-1-A	PS2561BL1-1-V-A	PS2565L1-1-A
PS2505L-1-F3-A	PS2561BL-1-A	PS2565L1-1-V-A
PS2505L-4-A	PS2561BL-1-F3-A	PS2565L1-1Y-A
PS2513-1-A	PS2561BL-1-V-A	PS2565L1-1Y-V-A
PS2513-1-V-A	PS2561BL-1-V-F3-A	PS2565L-1-A
PS2513L-1-A	PS2561BL2-1-A	PS2565L-1-F3-A
PS2513L-1-F3-A	PS2561BL2-1-F3-A	PS2565L-1-V-A
PS2513L-1-V-F3-A	PS2561BL2-1-V-A	PS2565L-1-V-F3-A
PS2533-1-A	PS2561D-1Y-A	PS2565L-1Y-A
PS2533-1-V-A	PS2561D-1Y-V-A	PS2565L-1Y-F3-A
PS2533L-1-A	PS2561DL1-1Y-A	PS2565L-1Y-V-A
PS2533L-1-F3-A	PS2561DL1-1Y-V-A	PS2565L-1Y-V-F3-A
PS2533L-1-V-A	PS2561DL-1Y-A	PS2565L2-1-A
PS2533L-1-V-F3-A	PS2561DL-1Y-F3-A	PS2565L2-1-F3-A
PS2535-1-A	PS2561DL-1Y-V-A	PS2565L2-1-V-A
PS2535-1-V-A	PS2561DL-1Y-V-F3-A	PS2565L2-1-V-F3-A
PS2535L-1-A	PS2561DL2-1Y-A	PS2565L2-1Y-A
PS2535L-1-F3-A	PS2561DL2-1Y-F3-A	PS2565L2-1Y-F3-A
PS2535L-1-V-A	PS2561DL2-1Y-V-A	PS2565L2-1Y-V-A
PS2535L-1-V-F3-A	PS2561DL2-1Y-V-F3-A	PS2571-1-V-A
PS2561-1-A	PS2561F-1Y-A	PS2571-1Y-V-A
PS2561-1-V-A	PS2561FL1-1Y-A	PS2571L1-1-V-A
PS2561-1Y-A	PS2561FL-1Y-A	PS2571L1-1Y-V-A
PS2561-1Y-V-A	PS2561FL-1Y-F3-A	PS2581AL1-A
PS2561A-1-A	PS2561FL2-1Y-A	PS2581AL2-A
PS2561A-1-V-A	PS2561FL2-1Y-F3-A	PS2581AL2-F3-A
PS2561A-1Y-A	PS2561L1-1-A	PS2581AL2-Y-A
PS2561A-1Y-V-A	PS2561L1-1-V-A	PS2581AL2-Y-F3-A
PS2561AL1-1-A	PS2561L1-1Y-A	PS2581L1-A
PS2561AL1-1-V-A	PS2561L1-1Y-V-A	PS2581L1-Y-A

PS2581L2-A	PS2761B-1Y-F3-A	PS2805-4-V-F3-A
PS2581L2-F3-A	PS2761B-1Y-V-A	PS2805C-1-A
PS2581L2-Y-A	PS2761B-1Y-V-F3-A	PS2805C-1-F3-A
PS2701-1-A	PS2801-1-A	PS2805C-1-F4-A
PS2701-1-F3-A	PS2801-1-F3-A	PS2805C-1-V-A
PS2701-1-F4-A	PS2801-1-F4-A	PS2805C-1-V-F3-A
PS2701-1-V-A	PS2801-1-V-A	PS2805C-1Y-A
PS2701-1-V-F3-A	PS2801-1-V-F3-A	PS2805C-1Y-F3-A
PS2701-1Y-A	PS2801-1Y-A	PS2805C-1Y-V-A
PS2701-1Y-F3-A	PS2801-1Y-F3-A	PS2805C-1Y-V-F3-A
PS2701-1Y-V-A	PS2801-1Y-V-A	PS2805C-4-A
PS2701-1Y-V-F3-A	PS2801-1Y-V-F3-A	PS2805C-4-F3-A
PS2701A-1-A	PS2801-4-A	PS2805C-4-V-A
PS2701A-1-F3-A	PS2801-4-F3-A	PS2805C-4-V-F3-A
PS2701A-1-V-A	PS2801-4-F4-A	PS2811-1-A
PS2701A-1-V-F3-A	PS2801-4-V-A	PS2811-1-F3-A
PS2701A-1Y-A	PS2801-4-V-F3-A	PS2811-1-F4-A
PS2701A-1Y-F3-A	PS2801A-1-A	PS2811-1-V-A
PS2701A-1Y-V-A	PS2801A-1-F3-A	PS2811-1-V-F3-A
PS2701A-1Y-V-F3-A	PS2801A-1-F4-A	PS2811-4-A
PS2703-1-A	PS2801A-1-V-A	PS2811-4-F3-A
PS2703-1-F3-A	PS2801A-1-V-F3-A	PS2811-4-F4-A
PS2703-1-F4-A	PS2801A-4-A	PS2811-4-V-A
PS2703-1-V-A	PS2801A-4-F3-A	PS2811-4-V-F3-A
PS2703-1-V-F3-A	PS2801A-4-V-A	PS2815-1-A
PS2705-1-A	PS2801A-4-V-F3-A	PS2815-1-F3-A
PS2705-1-F3-A	PS2801C-1-A	PS2815-1-F4-A
PS2705-1-F4-A	PS2801C-1-F3-A	PS2815-1-V-A
PS2705-1-V-A	PS2801C-1-F4-A	PS2815-1-V-F3-A
PS2705-1-V-F3-A	PS2801C-1-V-A	PS2815-4-A
PS2705A-1-A	PS2801C-1-V-F3-A	PS2815-4-F3-A
PS2705A-1-F3-A	PS2801C-1Y-A	PS2815-4-F4-A
PS2705A-1-F4-A	PS2801C-1Y-F3-A	PS2815-4-V-A
PS2705A-1-V-A	PS2801C-1Y-V-A	PS2815-4-V-F3-A
PS2705A-1-V-F3-A	PS2801C-1Y-V-F3-A	PS2833-1-A
PS2711-1-A	PS2801C-4-A	PS2833-1-F3-A
PS2711-1-F3-A	PS2801C-4-F3-A	PS2833-1-V-A
PS2711-1-V-A	PS2801C-4-V-A	PS2833-1-V-F3-A
PS2711-1-V-F3-A	PS2801C-4-V-F3-A	PS2833-4-A
PS2715-1-A	PS2805-1-A	PS2833-4-F3-A
PS2715-1-F3-A	PS2805-1-F3-A	PS2833-4-V-A
PS2733-1-A	PS2805-1-F4-A	PS2841-4A-AX
PS2733-1-F3-A	PS2805-1-V-A	PS2841-4A-F3-AX
PS2733-1-V-A	PS2805-1-V-F3-A	PS2841-4B-AX
PS2733-1-V-F3-A	PS2805-1Y-A	PS2841-4B-F3-AX
PS2761B-1-A	PS2805-1Y-V-A	PS2845-4A-AX
PS2761B-1-F3-A	PS2805-1Y-V-F3-A	PS2845-4A-F3-AX
PS2761B-1-V-A	PS2805-4-A	PS2861B-1Y-A
PS2761B-1-V-F3-A	PS2805-4-F3-A	PS2861B-1Y-F3-A
PS2761B-1Y-A	PS2805-4-V-A	PS2861B-1Y-V-A

PS2861B-1Y-V-F3-A	PS9313L-V-E3-AX	PS2581AL2-Q-A
PS2911-1-AX	PS9513-AX	PS2581AL1-W-A
PS2911-1-F3-AX	PS9513L1-AX	PS2565L-1-K-A
PS2911-1-V-AX	PS9513L1-V-AX	PS2565L-1-F3-K-A
PS2911-1-V-F3-AX	PS9513L2-AX	PS2562L2-1-K-A
PS2911-1Y-AX	PS9513L2-E3-AX	PS2562L1-1-K-A
PS2911-1Y-F3-AX	PS9513L2-V-AX	PS2562L-1-V-F3-K-A
PS2911-1Y-V-AX	PS9513L2-V-E3-AX	PS2562L-1-F3-L-A
PS2911-1Y-V-F3-AX	PS9513L3-AX	PS2561L2-1-V-L-A
PS2913-1-AX	PS9513L3-E3-AX	PS2561L2-1-D-A
PS2913-1-F3-AX	PS9513L3-V-AX	PS2561L1-1-V-Q-A
PS2913-1-V-AX	PS9513L3-V-E3-AX	PS2561L1-1-V-H-A
PS2913-1-V-F3-AX	PS9513-V-AX	PS2561L1-1-V-D-A
PS2915-1-AX	PS2913-1-V-F3-K-AX	PS2561L-1-W-A
PS2915-1-F3-AX	PS2913-1-M-AX	PS2561L-1-V-F3-W-A
PS2915-1-V-AX	PS2913-1-K-AX	PS2561L-1-V-F3-L-A
PS2915-1-V-F3-AX	PS2913-1-F3-K-AX	PS2561L-1-V-D-A
PS2933-1-AX	PS2911-1Y-V-F3-M-AX	PS2561L-1-L-A
PS2933-1-F3-AX	PS2911-1Y-V-F3-K-AX	PS2561L-1-F3-M-A
PS2933-1-V-AX	PS2911-1-V-L-AX	PS2561FL-1Y-F3-K-A
PS2933-1-V-F3-AX	PS2911-1-V-F3-L-AX	PS2561DL2-1Y-W-A
PS2805A-4-F3-A	PS2911-1-V-F3-K-AX	PS2561DL2-1Y-V-W-A
PS2805A-4-A	PS2911-1-M-AX	PS2561DL2-1Y-V-H-A
PS2805A-1-F3-A	PS2911-1-L-AX	PS2561DL2-1Y-V-F3-L-A
PS2805A-1-A	PS2911-1-K-AX	PS2561DL2-1Y-V-F3-H-A
PS2805A-1-F4-A	PS2911-1-F3-M-AX	PS2561DL2-1Y-F3-Q-A
PS9013-Y-AX	PS2911-1-F3-L-AX	PS2561DL2-1Y-F3-H-A
PS9013-Y-F3-AX	PS2911-1-F3-K-AX	PS2561DL1-1Y-W-A
PS9013-Y-V-AX	PS2911-1Y-V-F3-L-AX	PS2561DL1-1Y-V-H-A
PS9013-Y-V-F3-AX	PS2801C-4-M-A	PS2561DL1-1Y-Q-A
PS9113-AX	PS2805C-4-M-A	PS2561DL1-1Y-N-A
PS9113-F3-AX	PS2805C-4-F3-M-A	PS2561DL1-1Y-L-A
PS9113-F4-AX	PS2801C-4-F3-M-A	PS2561DL1-1Y-H-A
PS9113-V-AX	PS2381-1Y-W-AX	PS2561DL-1Y-W-A
PS9113-V-F3-AX	PS2381-1Y-M-AX	PS2561DL-1Y-V-W-A
PS9303L2-AX	PS2381-1Y-L-AX	PS2561DL-1Y-V-L-A
PS9303L2-E3-AX	PS2381-1Y-F3-W-AX	PS2561DL-1Y-V-F3-W-A
PS9303L2-V-AX	PS2381-1Y-F3-M-AX	PS2561DL-1Y-V-F3-L-A
PS9303L2-V-E3-AX	PS2381-1Y-F3-L-AX	PS2561DL-1Y-V-F3-H-A
PS9303L-AX	PS2381-1Y-V-W-AX	PS2561DL-1Y-Q-A
PS9303L-E3-AX	PS2381-1Y-V-M-AX	PS2561DL-1Y-F3-Q-A
PS9303L-V-AX	PS2381-1Y-V-L-AX	PS2561BL2-1-V-Q-A
PS9303L-V-E3-AX	PS2381-1Y-V-F3-W-AX	PS2561BL1-1-W-A
PS9313L2-AX	PS2381-1Y-V-F3-M-AX	PS2561BL1-1-Q-A
PS9313L2-E3-AX	PS2381-1Y-V-F3-L-AX	PS2561BL1-1-L-A
PS9313L2-V-AX	PS2561DL2-1Y-H-A	PS2561BL1-1-D-A
PS9313L2-V-E3-AX	PS2581L2-W-A	PS2561BL-1-W-A
PS9313L-AX	PS2581L2-H-A	PS2561B-1-W-A
PS9313L-E3-AX	PS2581L2-D-A	PS2561B-1-Q-A
PS9313L-V-AX	PS2581AL2-W-A	PS2561B-1-D-A

PS2561AL2-1-V-H-A	PS2561L-1-H-A	PS2501L-1-F3-L-A
PS2561AL2-1-Q-A	PS2561L-1-F3-W-A	PS2501L-1-F3-K-A
PS2561AL2-1-H-A	PS2561L-1-F3-L-A	PS2501L-1-F3-H-A
PS2561AL1-1-V-W-A	PS2561L-1-F3-H-A	PS2501L-1-F3-D-A
PS2561AL-1-V-F3-L-A	PS2561FL-1Y-K-A	PS2501AL-1-W-A
PS2561AL-1-V-F3-H-A	PS2561F-1Y-K-A	PS2501AL-1-F3-W-A
PS2561AL-1-N-A	PS2561DL2-1Y-V-Q-A	PS2501AL-1-F3-L-A
PS2561AL-1-F3-W-A	PS2561DL2-1Y-V-F3-W-A	PS2501AL-1-F3-H-A
PS2561AL-1-F3-Q-A	PS2561DL2-1Y-Q-A	PS2501A-1-Q-A
PS2561AL-1-F3-L-A	PS2561DL2-1Y-L-A	PS2501-1-W-A
PS2561A-1-V-L-A	PS2561DL2-1Y-F3-L-A	PS2501-1-Q-A
PS2561A-1-V-H-A	PS2561DL-1Y-V-H-A	PS2501-1-M-A
PS2561-1-W-A	PS2561DL-1Y-L-A	PS2501-1-L-A
PS2561-1-V-L-A	PS2561DL-1Y-H-A	PS2501-1-K-A
PS2561-1-V-H-A	PS2561DL-1Y-F3-W-A	PS2501-1-H-A
PS2561-1-V-D-A	PS2561DL-1Y-F3-L-A	PS2501-1-D-A
PS2561-1-M-A	PS2561DL-1Y-F3-H-A	PS2761B-1-M-A
PS2561-1-H-A	PS2561D-1Y-W-A	PS2761B-1-L-A
PS2533L-1-K-A	PS2561D-1Y-V-W-A	PS2711-1-V-M-A
PS2533L-1-F3-K-A	PS2561D-1Y-V-L-A	PS2705A-1-F3-M-A
PS2503L-1-M-A	PS2561D-1Y-V-H-A	PS2705-1-V-F3-L-A
PS2503L-1-L-A	PS2561D-1Y-L-A	PS2705-1-F3-M-A
PS2503L-1-K-A	PS2561D-1Y-H-A	PS2703-1-V-F3-K-A
PS2503-1-M-A	PS2561BL-1-Q-A	PS2703-1-L-A
PS2503-1-L-A	PS2561BL-1-F3-Q-A	PS2703-1-F3-M-A
PS2503-1-K-A	PS2561B-1-L-A	PS2702-1-V-F3-K-A
PS2502L-1-L-A	PS2561AL2-1-V-W-A	PS2702-1-F3-M-A
PS2502-1-M-A	PS2561AL2-1-V-F3-W-A	PS2701A-1-V-M-A
PS2502-1-L-A	PS2561AL2-1-V-F3-L-A	PS2701A-1-V-F3-M-A
PS2501L-1-M-A	PS2561AL2-1-V-F3-H-A	PS2701A-1-F3-M-A
PS2501L-1-F3-M-A	PS2561L2-1-V-F3-L-A	PS2701-1-V-M-A
PS2501AL-1-Q-A	PS2561L-1-V-H-A	PS2701-1-V-F3-P-A
PS2501AL-1-L-A	PS2561AL1-1-L-A	PS2701-1-V-F3-L-A
PS2501AL-1-H-A	PS2561AL1-1-H-A	PS2701-1-V-F3-H-A
PS2501A-1-W-A	PS2561AL-1-H-A	PS2701-1-H-A
PS2501A-1-L-A	PS2561AL-1-F3-H-A	PS2701-1-V-F3-Y-A
PS2501A-1-H-A	PS2561A-1-W-A	PS2761B-1-F3-L-A
PS2561L-1-V-L-A	PS2561A-1-H-A	PS2711-1-M-A
PS2561AL-1-W-A	PS2561-1-V-W-A	PS2711-1-L-A
PS2561AL-1-V-H-A	PS2561-1-L-A	PS2711-1-K-A
PS2561AL-1-Q-A	PS2561-1-D-A	PS2711-1-F3-M-A
PS2581L2-F3-L-A	PS2503L-1-F3-L-A	PS2711-1-F3-L-A
PS2581L1-L-A	PS2502L-1-K-A	PS2711-1-F3-K-A
PS2581L1-H-A	PS2502L-1-F3-K-A	PS2705A-1-L-A
PS2581AL2-F3-Q-A	PS2502-1-K-A	PS2705A-1-F3-L-A
PS2562L-1-F3-K-A	PS2501L-1-W-A	PS2705-1-F3-L-A
PS2562-1-L-A	PS2501L-1-Q-A	PS2703-1-M-A
PS2561L2-1-V-H-A	PS2501L-1-L-A	PS2703-1-K-A
PS2561L1-1-L-A	PS2501L-1-K-A	PS2703-1-F3-L-A
PS2561L1-1-H-A	PS2501L-1-H-A	PS2703-1-F3-K-A

PS2702-1-L-A	PS2801C-1-F3-L-A
PS2702-1-F3-K-A	PS2801A-1-L-A
PS2701A-1-V-F3-P-A	PS2801A-1-F3-P-A
PS2701A-1-F3-P-A	PS2801A-1-F3-L-A
PS2701A-1-F3-L-A	PS2801-1-V-F3-Y-A
PS2701-1-V-F3-M-A	PS2801-1-P-A
PS2701-1-P-A	PS2801-1-L-A
PS2701-1-M-A	PS2801-1-K-A
PS2701-1-L-A	PS2801-1-F3-P-A
PS2701-1-F3-P-A	PS2801-1-F3-L-A
PS2701-1-F3-M-A	PS2801-1-F3-K-A
PS2701-1-F3-L-A	PS2861B-1Y-V-L-A
PS2701-1-F3-H-A	PS2861B-1Y-V-F3-M-A
PS2761B-1-V-F3-K-A	PS2861B-1Y-V-F3-L-A
PS2705-1-M-A	PS2861B-1Y-M-A
PS2705-1-L-A	PS2861B-1Y-L-A
PS2702-1-K-A	PS2861B-1Y-F3-M-A
PS2702-1-F3-L-A	PS2861B-1Y-F3-L-A
PS2701A-1-P-A	PS2761B-1-L-A
PS2701A-1-M-A	PS2761B-1-M-A
PS2701A-1-L-A	
PS2815-1-L-A	
PS2815-1-F3-L-A	
PS2811-1-V-L-A	
PS2811-1-V-F3-L-A	
PS2805C-1-M-A	
PS2805-1-L-A	
PS2802-1-M-A	
PS2802-1-L-A	
PS2802-1-K-A	
PS2802-1-F3-L-A	
PS2801C-1-V-F3-P-A	
PS2801C-1-V-F3-L-A	
PS2801A-1-P-A	
PS2801-1-V-F3-P-A	
PS2801-1-F4-P-A	
PS2801C-1-V-P-A	
PS2811-1-M-A	
PS2811-1-L-A	
PS2811-1-K-A	
PS2811-1-F3-M-A	
PS2811-1-F3-L-A	
PS2811-1-F3-K-A	
PS2805C-1-F3-M-A	
PS2802-1-F3-K-A	
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PS2801C-1-M-A	
PS2801C-1-L-A	
PS2801C-1-F3-P-A	
PS2801C-1-F3-M-A	