PCN# : [BL202202489]

Product Change Notice (PCN)

Subject: Addition of RJH65T14DPQ-A0 Diode die Front-end Processing Factory
Publication Date: 11/21/2022
Effective Date: 6/30/2023

Revision Description:
Initial Release

Description of Change:
RJH65T14DPQ-A0 Diode die front-end processing factory will be added.
There are no changes for IGBT dies.
- Current : RSMC Takasaki
- Additional : RSMC Saijo

Affected Product List:

RJH65T14DPQ-A0#T0			

Reason for Change:
Due to the tight supply capacity of RSMC's Takasaki factory for Diode dies to this product, add the front-end process factories to ensure the stability of product supply.

Impact on Fit, Form, Function, Quality & Reliability:
This change has no impact on form, implementation, functionality, quality, or reliability.

Product Identification:
The orderable part number remains unchanged.
It can be identified by T/C (Manufacture lot and For Renesas Electronics management) in the label.
Please contact our sales representative.

Qualification Status: Please refer to the attached documents.
Sample Availability Date: Now Available. Please contact our sales representative.
Device Material Declaration: Materials can be provided. Please contact our sales representative.

Note:

1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.

2. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this 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.

3. If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.

For additional information regarding this notice, please contact your Renesas sales representative.

Report Date: APR-22-H0486
November 17, 2022

RENESAS SEMICONDUCTOR RELIABILITY REPORT

DEVICE: RJH65T14DPQ-A0#T0

APPLICATION: Standard

Reported by Hitoshi. Arimoto

Approved by Minoru. Oiso

Quality Assurance Div.
Renesas Electronics Corporation

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（Rev.5.0-2　October 2020）

1.RELIABILITY TEST

No.	ITEM	TEST CONDITION	Test Results (NUMBER OF FAILURE/NUMBER OF SAMPLES)
1	Soldering Heat	Lead Solder DIP (260°Cmax, 10s)	0/22
2	Solderability	245°C, 5s (Solder wetting area 95% or more)	0/22
3	High Temperature Bias	Tj=175℃, VCES of Maximum Rating, 1,000h	0/22
4	High Temperature Storage Life	Ta=150 °C, 1,000h	0/22
5	High Temperature High Humidity Reverse Bias	Ta=85 °C, 85%RH, VCES of Maximum Rating, 1,000h	0/22
6	Temperature Cycle	Ta=-55°C to +150°C, 200cycles	0/22
7	Intermittent operating Life	ΔTc=100°C, 10kcycles	0/22
8	Electrostatic-Discharge(ESD)HBM	C=100pF, R=1.5k ohm, ±1,000V	0/3
9	Estimated failure rate	Estimated failure rate : 10Fit or less ・Tj= 55℃ ・Ea = 0.8eV ・C.L. = 60%	
	Reliability test results may include data from family representative products. <Judgement criteria> Electrical characteristics described in the delivery specification. (Solderability test is excluded.)		