

## **Product Change Notice (PCN)**

**件名:** RJH65T14DPQ-A0 の Diode チップの前工程拠点追加について

発行日: 11/21/2022

出荷開始予定日: 6/30/2023

### 改版履歴:

初版

### 変更内容の説明:

RJH65T14DPQ-A0 の Diode チップの前工程拠点の追加になります。

IGBT チップに関しては変更ありません。

新たに適用する前工程拠点での電気的特性は同一性能・特性となります。

現在の前工程拠点: RSMC 高崎工場 追加の前工程拠点: RSMC 西条工場

### 対象製品リスト:

| · • - • · · · · · · · · · · · · · · · · |  |  |  |  |
|---|--|--|--|--|
| RJH65T14DPQ-A0#T0                       |  |  |  |  |
|   |  |  |  |  |

#### 変更の理由:

本製品のDiode チップの製造拠点である RSMC 高崎工場の供給能力逼迫に伴い 前工程拠点の追加を実施し、製品供給の安定性を図るため。

#### 外形、実装、機能、品質、信頼性への影響:

本変更による外形、実装、機能、品質、信頼性への影響はありません。

### 製品の識別方法:

受注型名は変更ありません。

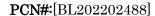
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信頼性データについて: 添付の資料にてご対応願います。

サンプル出荷予定日: 出荷可能です。弊社営業にお問い合わせください。

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

# RENESAS SEMICONDUCTOR RELIABILITY REPORT

DEVICE: RJH65T14DPQ-A0#T0

APPLICATION: Standard

Reported by Hitoshi. Arimoto

Approved by Minoru. Oiso

M. Disp

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<br>Storage Life  | Ta=150 °C, 1,000h   | 0/22   |  |  |
| 5   | High Temperature High<br>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<br>Life  | ΔTc=100°C, 10kcycles  | 0/22   |  |  |
| 8   | Electrostatic-<br>Discharge(ESD)HBM   | C=100pF, R=1.5k ohm, ±1,000V  | 0/3  |  |  |
| 9   | Estimated failure rate  | Estimated failure rate : 10Fit or less $\cdot$ Tj= 55°C $\cdot$ Ea = 0.8eV $\cdot$ 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.)</judgement> |   |  |  |  |