PCN# : [HBLM-2026-0522]

Product Change Notice (PCN)

Subject: Change and Addition of Assembly Sites for RH850 Series Products

Publication Date: 10/16/2026

Effective Date: 6/1/2027

Revision Description: Initial Release

Description of Change:

1. The assembly site for the RH850/F1L, F1K, and F1KM-S1 series will be changed from the Nishiki Factory to the Yonezawa Factory.
2. The Yonezawa Factory will be added as an assembly site for the RH850/F1KM-S4, F1KM-S2, F1KH-D8, F1M, F1H, P1M-C, P1L-C, P1M, P1M-E, D1L, D1M1-V2, and RIO series.
3. Suzuki High-Tech (SHT) will be added as a plating process supplier for the Yonezawa Factory.
4. Products assembled at the Yonezawa Factory will use 20 µm-diameter Cu wire, molding resin compatible with 20 µm-diameter Cu wire, and standard Renesas-qualified die-attach material.
   For details, refer to “Reference Information” in the Appendix.

Affected Product List:

Refer to the “Product List” in the Appendix.

Reason for Change:

To ensure a stable supply of products.

Impact on Fit, Form, Function, Quality & Reliability:

This change has no impact on the fit, form, function, quality, or reliability of the affected products.

Product Identification:

Our production history data can be queried by using the trace code (T/C) of the product.

Qualification Status: Refer to the “Q100 Qualification Test Results” in the Appendix.
Sample Availability Date: 1/11/2027
Device Material Declaration: Available upon request

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.

Appendix

Product List

RH850/F1L Series

R7F7010023AFP-C#AA4	R7F7010094AFP-C#KA4	R7F7010134AFP-C#AAT	R7F7010193AFP-C#AA2
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R7F7010023AFP-C#KA4	R7F7010103AFP-C#BA4	R7F7010134AFP-C#BAT	R7F7010193AFP-C#TA2
R7F7010024AFP-C#AA4	R7F7010103AFP-C#KA4	R7F7010134AFP-C#TA4	R7F7010194AFP-C#AA2
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R7F7010623AFP-C#AA4	R7F701A023AFP-C#BA8	R7F701A364AFP-C#KA4	

RH850/F1K Series

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R7F7015663AFP-C#AA3	R7F7015834AFP-C#AA3	R7F7016113AFP-C#AA3	R7F7016233AFP-C#AA3

R7F7016233AFP-C#BA3	R7F7016233AFP-C#KA3	R7F7016234AFP-C#AA3	R7F7016234AFP-C#BA3
R7F7016234AFP-C#KA3			

RH850/F1KM-S1 Series

R7F7016843AFP-C#BA1	R7F701689FAFP-C#TA1	R7F701695FAFP-C#BA1	R7F701A753AFP-C#AA1
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R7F7016844AFP-C#BA1	R7F7016903AFP-C#TA1	R7F701A643AFP-C#AA1	R7F701A753AFP-C#KA1
R7F7016844AFP-C#KA1	R7F7016904AFP-C#BA1	R7F701A643AFP-C#BA1	R7F7016844AFP-C#AA9
R7F701684FAFP-C#BA1	R7F7016904AFP-C#TA1	R7F701A643AFP-C#KA1	R7F7016844AFP-C#BA9
R7F701684FAFP-C#KA1	R7F701690FAFP-C#BA1	R7F701A653AFP-C#AA1	R7F7016844AFP-C#KA9
R7F7016853AFP-C#BA1	R7F701690FAFP-C#TA1	R7F701A653AFP-C#BA1	R7F7016863AFP-C#AA9
R7F7016853AFP-C#KA1	R7F7016913AFP-C#BA1	R7F701A653AFP-C#KA1	R7F7016863AFP-C#BA9
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R7F7016913AFP-C#BA2	R7F701A663AFP-C#BA2	R7F701A753AFP-C#BA2	

RH850/F1KM-S4 Series

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R7F7016363AFP-C#AA2	R7F7016493AFP-C#BA2	R7F701A604AFP-C#TA2	
R7F7016363AFP-C#BA2	R7F7016493AFP-C#TA2	R7F701A793AFP-C#AA2	

RH850/F1KM-S2 Series

R7F7017603AFP-C#AA1	R7F701A634AFP-C#AA1	R7F7017623AFP-C#AA2	R7F701A763AFP-C#AA2
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R7F7017603AFP-C#KA1	R7F701A634AFP-C#TA1	R7F7017623AFP-C#KA2	R7F701A763AFP-C#TA2
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R7F701A624AFP-C#BA1	R7F7017603AFP-C#BA2	R7F701A634AFP-C#BA2	
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RH850/F1KH-D8 Series

R7F7017083AFP-C#AA1	R7F7017083AFP-C#BA1	R7F7017083AFP-C#TA1	R7F7017093AFP-C#AA1
R7F7017093AFP-C#BA1	R7F7017093AFP-C#TA1		

RH850/F1M Series

R7F7015443AFP-C#AA2	R7F7015484AFP-C#AA2	R7F7015644AFP-C#AA2	R7F7015693AFP-C#AA2
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R7F7015443AFP-C#KA2	R7F7015484AFP-C#BA2	R7F7015644AFP-C#KA2	R7F7015693AFP-C#TA2
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R7F7015483AFP-C#TA2	R7F7015643AFP-C#KA2	R7F7015684AFP-C#TA2	

RH850/F1H Series

R7F7015013AFP-C#AA2	R7F7015024AFP-C#AA2	R7F7015273AFP-C#AA2	R7F7015313AFP-C#AA2
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RH850/P1M Series

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R7F701304GAFA-C#KA1	R7F701310EAFP-C#BA4	R7F701310GAFA-C#BA1	R7F701312EAFP-C#AA1
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R7F701312GAFA-C#BA1	R7F701318GAFA-C#AA1	R7F701322GAFA-C#KA1	R7F701364EAFP-C#BA1
R7F701312GAFA-C#KA1	R7F701318GAFA-C#BA1	R7F701323EAFP-C#AA1	R7F701364EAFP-C#KA1
R7F701313EAFP-C#AA1	R7F701318GAFA-C#KA1	R7F701323EAFP-C#BA1	R7F701364GAFA-C#AA1
R7F701313EAFP-C#BA1	R7F701319EAFP-C#AA1	R7F701323EAFP-C#KA1	R7F701364GAFA-C#BA1
R7F701313EAFP-C#KA1	R7F701319EAFP-C#BA1	R7F701362EAFP-C#AA1	R7F701364GAFA-C#KA1
R7F701314EAFP-C#AA1	R7F701319EAFP-C#KA1	R7F701362EAFP-C#BA1	R7F701365EAFP-C#AA1
R7F701314EAFP-C#BA1	R7F701320EAFP-C#AA1	R7F701362EAFP-C#KA1	R7F701365EAFP-C#BA1
R7F701314EAFP-C#KA1	R7F701320EAFP-C#BA1	R7F701362E***AFP-C#KA1	R7F701365EAFP-C#KA1
R7F701314GAFA-C#AA1	R7F701320EAFP-C#KA1	R7F701362EY05AFP-C#KA1	R7F701366EAFP-C#AA1
R7F701314GAFA-C#BA1	R7F701320GAFA-C#AA1	R7F701362EY06AFP-C#KA1	R7F701366EAFP-C#BA1
R7F701314GAFA-C#KA1	R7F701320GAFA-C#BA1	R7F701362GAFA-C#AA1	R7F701366EAFP-C#KA1
R7F701315EAFP-C#AA1	R7F701320GAFA-C#KA1	R7F701362GAFA-C#BA1	R7F701366GAFA-C#AA1
R7F701315EAFP-C#BA1	R7F701321EAFP-C#AA1	R7F701362GAFA-C#KA1	R7F701366GAFA-C#BA1
R7F701315EAFP-C#KA1	R7F701321EAFP-C#BA1	R7F701363EAFP-C#AA1	R7F701366GAFA-C#KA1
R7F701318EAFP-C#AA1	R7F701321EAFP-C#KA1	R7F701363EAFP-C#AAT	R7F701367EAFP-C#AA1
R7F701318EAFP-C#BA1	R7F701322EAFP-C#AA1	R7F701363EAFP-C#BA1	R7F701367EAFP-C#BA1
R7F701318EAFP-C#KA1	R7F701322EAFP-C#BA1	R7F701363EAFP-C#BAT	R7F701367EAFP-C#KA1
R7F701318E***AFP-C#KA1	R7F701322EAFP-C#KA1	R7F701363EAFP-C#KA1	

*** means ROM code

RH850/P1M-E Series

R7F701375EAFP-C#AA2	R7F701378EAFP-C#KA2	R7F701380GAFA-C#KA2	R7F701384EAFP-C#BA2
R7F701375EAFP-C#BA2	R7F701378E***AFP-C#KA2	R7F701381EAFP-C#AA2	R7F701384EAFP-C#KA2
R7F701375EAFP-C#KA2	R7F701378EY02AFP-C#KA2	R7F701381EAFP-C#BA2	R7F701384GAFA-C#AA2
R7F701376EAFP-C#AA2	R7F701378GAFA-C#AA2	R7F701381EAFP-C#KA2	R7F701384GAFA-C#BA2
R7F701376EAFP-C#BA2	R7F701378GAFA-C#BA2	R7F701382EAFP-C#AA2	R7F701384GAFA-C#KA2
R7F701376EAFP-C#KA2	R7F701378GAFA-C#KA2	R7F701382EAFP-C#BA2	R7F701385EAFP-C#AA2
R7F701376GAFA-C#AA2	R7F701379EAFP-C#AA2	R7F701382EAFP-C#KA2	R7F701385EAFP-C#BA2
R7F701376GAFA-C#BA2	R7F701379EAFP-C#BA2	R7F701382GAFA-C#AA2	R7F701385EAFP-C#KA2
R7F701376GAFA-C#KA2	R7F701379EAFP-C#KA2	R7F701382GAFA-C#BA2	R7F701386EAFP-C#AA2
R7F701377EAFP-C#AA2	R7F701380EAFP-C#AA2	R7F701382GAFA-C#KA2	R7F701386EAFP-C#BA2
R7F701377EAFP-C#BA2	R7F701380EAFP-C#BA2	R7F701383EAFP-C#AA2	R7F701386EAFP-C#KA2
R7F701377EAFP-C#KA2	R7F701380EAFP-C#KA2	R7F701383EAFP-C#BA2	R7F701386GAFA-C#AA2
R7F701378EAFP-C#AA2	R7F701380GAFA-C#AA2	R7F701383EAFP-C#KA2	R7F701386GAFA-C#BA2
R7F701378EAFP-C#BA2	R7F701380GAFA-C#BA2	R7F701384EAFP-C#AA2	R7F701386GAFA-C#KA2

*** means ROM code

RH850/P1L-C Series

R7F701340EAFP#TA1	R7F701390EAFP-C#BA1	R7F701336EAFP#KA1	R7F701388EAFP-C#BA1
R7F701341EAFP#TA1	R7F701390EAFP-C#RA1	R7F701337EAFP#KA1	R7F701388EAFP-C#HA1

R7F701342EAFP#TA1	R7F701391EAFP-C#AA1	R7F701338EAFP#TA1	R7F701389EAFP-C#AA1
R7F701343EAFP#TA1	R7F701391EAFP-C#BA1	R7F701339EAFP#TA1	R7F701389EAFP-C#BA1
R7F701390EAFP-C#AA1	R7F701391EAFP-C#RA1	R7F701388EAFP-C#AA1	R7F701389EAFP-C#RA1

RH850/P1M-C Series

R7F701330AEAFP#KA1	R7F701374AEAFP-C#AA1	R7F701374AEAFP-C#BAT	R7F701374AEAFP-C#HA1
R7F701331AEAFP#KA1	R7F701374AEAFP-C#BA1	R7F701374AEAFP-C#BAU	

RH850/D1L Series

R7F701400EAFB-C#AA1	R7F701420EAFB-C#BA1	R7F701402EA55AFB-C#KA1	R7F701422EAFB-C#AA2
R7F701400EAFB-C#BA1	R7F701420EAFB-C#KA1	R7F701402EA56AFB-C#KA1	R7F701422EAFB-C#BA1
R7F701400EAFB-C#KA1	R7F701420EAFB-C#KA9	R7F701402EA57AFB-C#KA1	R7F701422EAFB-C#BA2
R7F701400E***AFB-C#KA1	R7F701420E***AFB-C#KA1	R7F701402EA58AFB-C#KA1	R7F701422EAFB-C#KA1
R7F701400EA21AFB-C#KA1	R7F701420E***AFB-C#KA9	R7F701402EA59AFB-C#KA1	R7F701422EAFB-C#KA2
R7F701400EA22AFB-C#KA1	R7F701421EAFB-C#AA1	R7F701403EAFB-C#AA1	R7F701422EAFB-C#KA9
R7F701400EA23AFB-C#KA1	R7F701421EAFB-C#AA2	R7F701403EAFB-C#BA1	R7F701422E***AFB-C#KA1
R7F701400EA29AFB-C#KA1	R7F701421EAFB-C#BA1	R7F701403EAFB-C#TA1	R7F701422E***AFB-C#KA9
R7F701400EA30AFB-C#KA1	R7F701421EAFB-C#BA2	R7F701403E***AFB-C#TA1	R7F701423EAFB-C#AA1
R7F701400EA49AFB-C#KA1	R7F701421EAFB-C#KA1	R7F701414EA03AFB-C#KA1	R7F701423EAFB-C#BA1
R7F701401EAFB-C#AA1	R7F701421EAFB-C#KA2	R7F701414EA04AFB-C#KA1	R7F701423EAFB-C#TA1
R7F701401EAFB-C#BA1	R7F701421EAFB-C#KA9	R7F701414EA05AFB-C#KA1	R7F701423EAFB-C#TA9
R7F701401EAFB-C#KA1	R7F701421E***AFB-C#KA1	R7F701414EA13AFB-C#KA1	R7F701423E***AFB-C#TA1
R7F701401E***AFB-C#KA1	R7F701421E***AFB-C#KA9	R7F701414EA15AFB-C#KA1	R7F701423E***AFB-C#TA9
R7F701401EA00AFB-C#KA1	R7F701402EAFB-C#AA1	R7F701414EA16AFB-C#KA1	R7F701434EAFB-C#AA1
R7F701401EA01AFB-C#KA1	R7F701402EAFB-C#BA1	R7F701414EA54AFB-C#KA1	R7F701434EAFB-C#BA1
R7F701401EA10AFB-C#KA1	R7F701402EAFB-C#KA1	R7F701414EAFB-C#AA1	R7F701434EAFB-C#KA1
R7F701401EA24AFB-C#KA1	R7F701402E***AFB-C#KA1	R7F701414EAFB-C#BA1	R7F701434E***AFB-C#KA1
R7F701401EA31AFB-C#KA1	R7F701402EA02AFB-C#KA1	R7F701414EAFB-C#KA1	
R7F701401EA46AFB-C#KA1	R7F701402EA12AFB-C#KA1	R7F701414E***AFB-C#KA1	
R7F701420EAFB-C#AA1	R7F701402EA14AFB-C#KA1	R7F701422EAFB-C#AA1	

*** means ROM code

RH850/D1M1-V2 Series

R7F701442EAFB-C#AA0	R7F701442E***AFB-C#TA0	R7F701462EAFB-C#TA0	R7F701462E***AFB-C#TA9
R7F701442EAFB-C#BA0	R7F701462EAFB-C#AA0	R7F701462EAFB-C#TA9	
R7F701442EAFB-C#TA0	R7F701462EAFB-C#BA0	R7F701462E***AFB-C#TA0	

*** means ROM code

RH850/RIO Series

R7F701A352BFP#BA1			

Reference Information

RH850/F1L Series

Item	Before Change				After Change			
WP Site	TSMC	Naka	TSMC	Naka	TSMC	Naka	TSMC	Naka
Assembly Site	Suzhou		Nishiki		Suzhou		Yonezawa	
Plating process supplier	Suzhou		NOGE ELECTRIC		Suzhou		Yonezawa and SHT	
FT Site	Suzhou		Nishiki		Suzhou		Nishiki	
Cu-wire (Diameter)	φ20um				<--			
Mold Resin	Mold Resin for φ20um				<--			
Die-bonding Material	Existing materials*		Standard materials		Existing materials*		Standard materials	

* Standard materials have already been used for 48pin and 64pin products.

RH850/F1K and F1KM-S1 Series

Item	Before Change			After Change			
WP Site	TSMC	Naka	Naka	TSMC	Naka	TSMC	Naka
Assembly Site	Suzhou		Nishiki	Suzhou		Yonezawa	
Plating process supplier	Suzhou		NOGE ELECTRIC	Suzhou		Yonezawa and SHT	
FT Site	Suzhou		Nishiki	Suzhou		Nishiki	
Cu-wire (Diameter)	φ23um	φ20um	φ20um	φ23um	φ20um	φ20um	
Mold Resin	For φ23um	For φ20um	For φ20um	For φ23um	For φ20um	For φ20um	
Die-bonding Material	Existing materials*		Standard materials	Existing materials*		Standard materials	

* Standard materials have already been used for 48pin and 64pin products.

RH850/F1KM-S4, F1KM-S2 and F1KH-D8 Series

Item	Before Change		After Change			
WP Site	TSMC	TSMC	TSMC	Naka	TSMC	Naka
Assembly Site	Suzhou		Suzhou		Yonezawa	
Plating process supplier	Suzhou		Suzhou		Yonezawa and SHT	
FT Site	Suzhou		Suzhou		Nishiki	
Cu-wire (Diameter)	φ23um	φ20um	φ23um	φ20um	φ20um	
Mold Resin	For φ23um	For φ20um	For φ23um	For φ20um	For φ20um	
Die-bonding Material	Existing materials		Existing materials		Standard materials	

RH850/F1M, F1H, P1M-C, P1L-C, P1M, P1M-E and D1L Series

Item	Before Change	After Change	
WP Site	TSMC	TSMC	
Assembly Site	Suzhou	Suzhou	Yonezawa
Plating process supplier	Suzhou	Suzhou	Yonezawa and SHT
FT Site	Suzhou	Suzhou	Nishiki
Cu-wire (Diameter)	φ20um	<--	
Mold Resin	For φ20um	<--	
Die-bonding Material	Existing materials	Existing materials	Standard materials

RH850/D1M1-V2 Series

Item	Before Change	After Change	
WP Site	TSMC	TSMC	
Assembly Site	Suzhou	Suzhou	Yonezawa
Plating process supplier	Suzhou	Suzhou	Yonezawa and SHT
FT Site	Suzhou	Suzhou	Nishiki
Wire	φ23um Cu-wire	φ23um	φ20um
Mold Resin	Mold Resin for φ23um	for φ23um	for φ20um
Die-bonding Material	Existing materials	Existing materials	Standard materials

RH850/RIO

Item	Before Change	After Change	
WP Site	Naka	Naka	
Assembly Site	Suzhou	Suzhou	Yonezawa
Plating process supplier	Suzhou	Suzhou	Yonezawa and SHT
FT Site	Suzhou	Suzhou	Nishiki
Die-bonding Material	Existing materials	Existing materials	Standard materials

Q100 Qualification Test Results

Note :
-Basically qualification tests were performed using a representative product with the same wafer process and the same package structure.
-The evaluation results cover Grade 0, in addition to Grade 1 and Grade 2.

Test	#	Reference	Test Conditions	Lots	S.S.	Total	Results (Fail of Total)	Comments: (N/A =Not Applicable)
TEST GROUP A – ACCELERATED ENVIRONMENT STRESS TESTS								
PC	A1	JESD22 A113 J-STD-020	Preconditioning: (Test @ Rm) SMD only; Moisture Preconditioning for THB/HAST, AC/UHST/TH, TC, &PTC ; Peak Reflow Temp=260°C	Min.MSL=3			MSL=3	-
THB ~~or~~ ~~HAST~~	A2	JESD22 A101	Temperature Humidity Bias: (Test @ Rm/Hot) Ta=85°C, RH=85%, 1000hrs	3	77	231	0 of 231	-
~~AC or~~ UHST ~~or TH~~	A3	JESD22 A118	Unbiased Highly Accelerated Stress Test: (Test @ Rm) 110°C, 85% RH, 264h	3	77	231	0 of 231	-
TC	A4	JESD22 A104	Temperature Cycle: (Test @ Rm/Hot) Ta=-55°C to 150°C, 1500cyc	3	77	231	0 of 231 0 Fails after TC (WBP)	-
PTC	A5	JESD22 A105	Power Temperature Cycle: (Test @ Rm/Hot) -	-	-	-	-	N/A
HTSL	A6	JESD22 A103	High Temperature Storage Life: (Test @ Rm/Hot) Ta=175°C, 1000hrs	1	45	45	0 of 45	-
TEST GROUP B – ACCELERATED LIFETIME SIMULATION TESTS								
HTOL	B1	JESD22 A108	High Temp Operating Life: (Test @ Rm/Cold/Hot) Ta=150°C, 1000hrs	3	77	231	0 of 231	-
ELFR	B2	AEC-Q100-008	Early Life Failure Rate: (Test @ Rm/Hot) Ta=150°C, 48hrs	3	800	2400	0 of 2400	-

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Test	#	Reference	Test Conditions		Lots	S.S.	Total	Results (Fail of Total)	Comments: (N/A =Not Applicable)
EDR	B3	AEC-Q100-005	NVM Endurance & Data Retention Test: (Test @ Rm/Hot)	For HTOL	3	77	231	0 of 231	-
				For HTSL	1	45	45	0 of 45	-

TEST GROUP C – PACKAGE ASSEMBLY INTEGRITY TESTS

WBS	C1	AEC-Q100-001 AEC-Q003	Wire Bond Shear Test: (Cpk > 1.67)	30 bonds	5 parts Min.	30 bonds	0 of 30 bonds	Cpk>1.67
WBP	C2	Mil-STD-883 Method 2011 AEC-Q003	Wire Bond Pull: (Cpk > 1.67); Each bonder used	30 bonds	5 parts Min.	30 bonds	0 of 30 bonds	Cpk>1.67
SD	C3	J-STD-002	Solderability: (>95% coverage) 8 hr steam aging prior to testing	1	15	15	0 of 15	-
PD	C4	JESD22 B100, JESD22 B108 AEC-Q003	Physical Dimensions: (Cpk > 1.67)	3	10	30	0 of 30	Cpk>1.67
SBS	C5	AEC-Q100-010 AEC-Q003	Solder Ball Shear: (Cpk > 1.67); 5 balls from min. of 10 devices	-	-	-	-	N/A
LI	C6	JESD22 B105	Lead Integrity: (No lead cracking or breaking); Through-hole only; 10 leads from each of 5 devices	-	-	-	-	N/A
BST	C7	JESD22-B117 AEC-Q003	Bump Shear Test : 20 bumps/pillars from a minimum of 5 devices	-	-	-	-	N/A

TEST GROUP D – DIE FABRICATION RELIABILITY TESTS

EM	D1	JESD61	Electromigration:	-	-	-	Pass	Confirmed by process TEG
TDDB	D2	JESD35	Time Dependent Dielectric Breakdown:	-	-	-	Pass	Confirmed by process TEG
HCI	D3	JESD60 & 28	Hot Carrier Injection:	-	-	-	Pass	Confirmed by process TEG
NBTI	D4	JESD90	Negative Bias Temperature Instability:	-	-	-	Pass	Confirmed by process TEG
SM	D5	JESD61,87 & 202	Stress Migration:	-	-	-	Pass	Confirmed by process TEG

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Test	#	Reference	Test Conditions	Lots	S.S.	Total	Results (Fail of Total)	Comments: (N/A =Not Applicable)
TEST GROUP E- ELECTRICAL VERIFICATION								
TEST	E1	User/Supplier Specification	Pre and Post Stress Electrical Test:	All	All	All	0 of All	-
HBM	E2	AEC-Q100-002	Electrostatic Discharge, Charged Device Model: (Test @ Rm/Hot); (Class 2 or better)	1	3	3	0 of 3 ESD Level= HBM:2	HBM>2KV
CDM	E3	AEC-Q100-011	Electrostatic Discharge, Charged Device Model: (Test @ Rm/Hot); (750V corner leads, 500V all other leads / Class C2a or better)	1	3	3	0 of 3 ESD Level= CDM:C2a	Corner leads: 750V Pass All other leads:500V Pass
LU	E4	AEC-Q100-004	Latch-Up: (Test @ Rm/Hot)	1	3	3	0 of 3	-
ED	E5	AEC-Q100-009 AEC-Q003	Electrical Distributions: (Test @ Rm/Hot/Cold) (where applicable, Cpk>1.67)	3	30	90	Cpk>1.67	-
FG	E6	AEC-Q100-007	Fault Grading:	-	-	-	>98%	-
CHAR	E7	AEC-Q003	Characterization: (Test @ Rm/Hot/Cold)	-	-	-	Pass	According to Renesas standard procedure
EMC	E9	SAE J1752/3	Electromagnetic Compatibility (Radiated Emissions)	1	1	1	0 of 1	-
SC	E10	AEC Q100-012	Short Circuit Characterization	-	-	-	-	N/A
SER	E11	JESD89-1 JESD89-2 JESD89-3	Soft Error Rate	1	3	3	Pass	-
LF	E12	AEC-Q005	Lead (Pb) Free: (see AEC-Q005)	-	-	-	Pass	Solderability: See SD (C3) result. Solder heat resistance: N/A (Wave Solder is Not recommended.) Whisker: Performed on product TEG with test method based on JESD201.

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Test	#	Reference	Test Conditions	Lots	S.S.	Total	Results (Fail of Total)	Comments: (N/A =Not Applicable)
TEST GROUP F – DEFECT SCREENING TESTS								
PAT	F1	AEC-Q001	Process Average Testing: (see AEC-Q001)	All	All	All	Reject units outside PAT limits	Apply to mass production according to Renesas standard procedure
SBA	F2	AEC-Q002	Statistical Bin/Yield Analysis: (see AEC-Q002)	All	All	All	Reject units outside criteria	Apply to mass production according to Renesas standard procedure
TEST GROUP G – CAVITY PACKAGE INTEGRITY TESTS (for Ceramic Package testing only)								
MS	G1	JESD22 B104	Mechanical Shock: (Test @ Rm)	-	-	-	-	N/A
VFV	G2	JESD22 B103	Variable Frequency Vibration: (Test @ Rm)	-	-	-	-	N/A
CA	G3	MIL-STD-883 Method 2001	Constant Acceleration: (Test @ Rm)	-	-	-	-	N/A
GFL	G4	MIL-STD-883 Method 1014	Gross and Fine Leak:	-	-	-	-	N/A
DROP	G5	----------	Drop Test: (Test @ Rm) MEMS cavity parts only. Drop part on each of 6 axes once from a height of 1.2m onto a concrete surface.	-	-	-	-	N/A
LT	G6	MIL-STD-883 Method 2004	Lid Torque:	-	-	-	-	N/A
DS	G7	MIL-STD-883 Method 2019	Die Shear:	-	-	-	-	N/A
IWV	G8	MIL-STD-883 Method 1018	Internal Water Vapor:	-	-	-	-	N/A

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part number
R7F7010023AFP-C#AA4
R7F7010023AFP-C#BA4
R7F7010023AFP-C#KA4
R7F7010024AFP-C#AA4
R7F7010024AFP-C#BA4
R7F7010024AFP-C#KA4
R7F7010033AFP-C#AA2
R7F7010033AFP-C#BA2
R7F7010033AFP-C#KA2
R7F7010034AFP-C#AA2
R7F7010034AFP-C#BA2
R7F7010034AFP-C#KA2
R7F7010063AFP-C#AA4
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R7F7010064AFP-C#KA4
R7F7010073AFP-C#AA4
R7F7010073AFP-C#BA4
R7F7010073AFP-C#TA4
R7F7010074AFP-C#AA4
R7F7010074AFP-C#BA4
R7F7010074AFP-C#TA4
R7F7010083AFP-C#AA4
R7F7010083AFP-C#BA4
R7F7010083AFP-C#KA4
R7F7010084AFP-C#AA4
R7F7010084AFP-C#BA4
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R7F7010093AFP-C#BA4
R7F7010093AFP-C#KA4
R7F7010094AFP-C#AA4
R7F7010094AFP-C#BA4
R7F7010094AFP-C#KA4
R7F7010103AFP-C#AA4
R7F7010103AFP-C#BA4
R7F7010103AFP-C#KA4
R7F7010104AFP-C#AA4
R7F7010104AFP-C#BA4
R7F7010104AFP-C#KA4
R7F7010113AFP-C#AA4

R7F7010113AFP-C#AA8
R7F7010113AFP-C#BA4
R7F7010113AFP-C#BA8
R7F7010113AFP-C#TA4
R7F7010113AFP-C#TA8
R7F7010114AFP-C#AA4
R7F7010114AFP-C#BA4
R7F7010114AFP-C#TA4
R7F7010123AFP-C#AA4
R7F7010123AFP-C#AA8
R7F7010123AFP-C#BA4
R7F7010123AFP-C#BA8
R7F7010123AFP-C#TA4
R7F7010123AFP-C#TA8
R7F7010124AFP-C#AA4
R7F7010124AFP-C#AAT
R7F7010124AFP-C#BA4
R7F7010124AFP-C#BAT
R7F7010124AFP-C#TA4
R7F7010124AFP-C#TAT
R7F7010133AFP-C#AA4
R7F7010133AFP-C#AA8
R7F7010133AFP-C#BA4
R7F7010133AFP-C#BA8
R7F7010133AFP-C#TA4
R7F7010133AFP-C#TA8
R7F7010134AFP-C#AA4
R7F7010134AFP-C#AAT
R7F7010134AFP-C#BA4
R7F7010134AFP-C#BAT
R7F7010134AFP-C#TA4
R7F7010134AFP-C#TAT
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