Product Change Notice
(PCN Tracking Number: EE-QR-221007-01)

Version: 1

Customer:	ALL Customers
Renesas Product Type:	TFLGA, LFBGA & TFBGA package products (please refer to page 2-4 for more details)
Description of Change:	The substrate materials (core material and through hole plugging material) will be changed
Reason for Change:	Due to the end of supply by the substrate material manufacturer
Identification:	Identifiable via production history data thru product trace code
Schedules:	Reliability report: e/o Oct. 2022 (upon request) Requested approval: e/o Dec. 2022 Change Implementation: e/o Jan. 2023 onwards
Anticipated Impact:	Fit, Form & Function: No impact Quality & Reliability: No impact
Doc. No.:	EE-QC-PCN-CR-22-0177
Internal Reference:	IMO-AB-22-0118-2

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, 11.10.2022

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

☐ acknowledge
☐ acceptable
☐ inacceptable (pls. comment)
☐ not applicable

Company: _____

Name & Position: _____

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)

Product List:

Ordering Part Number	Changes		Product	PKG Type
	Substrate Core Material	Substrate Through Hole Plugging Material		
R1LV1616HBG-4SI#B0	Changed	-	R1LV1616HBG family	TFBGA
R1LV1616HBG-4SI#S0	Changed	-	R1LV1616HBG family	TFBGA
R1LV1616HBG-5SI#B0	Changed	-	R1LV1616HBG family	TFBGA
R1LV1616HBG-5SI#S0	Changed	-	R1LV1616HBG family	TFBGA
R2J30513LG#W2	Changed	-	DSC family	TFLGA
R7S910002CBG#AC0	-	Changed	RZ family	LFBGA
R7S910006CBG#AC0	-	Changed	RZ family	LFBGA
R7S910007CBG#AC0	-	Changed	RZ family	LFBGA
R7S910011CBG#AC0	-	Changed	RZ family	LFBGA
R7S910013CBG#AC0	-	Changed	RZ family	LFBGA
R7S910015CBG#AC0	-	Changed	RZ family	LFBGA
R7S910016CBG#AC0	-	Changed	RZ family	LFBGA
R7S910017CBG#AC0	-	Changed	RZ family	LFBGA
R7S910018CBG#AC0	-	Changed	RZ family	LFBGA
R7S910020CBG#AC0	-	Changed	RZ family	LFBGA
R7S910021CBG#AC0	-	Changed	RZ family	LFBGA
R7S910022CBG#AC0	-	Changed	RZ family	LFBGA
R7S910023CBG#AC0	-	Changed	RZ family	LFBGA
R7S910025CBG#AC0	-	Changed	RZ family	LFBGA

R7S910026CBG#AC0	-	Changed	RZ family	LFBGA
R7S910027CBG#AC0	-	Changed	RZ family	LFBGA
R7S910028CBG#AC0	-	Changed	RZ family	LFBGA
R7S910035CBG#AC0	-	Changed	RZ family	LFBGA
R7S910036CBG#AC0	-	Changed	RZ family	LFBGA
R7S910037CBG#AC0	-	Changed	RZ family	LFBGA
R7S910045CBG#AC0	-	Changed	RZ family	LFBGA
R7S910046CBG#AC0	-	Changed	RZ family	LFBGA
R7S910047CBG#AC0	-	Changed	RZ family	LFBGA
R7S910048CBG#AC0	-	Changed	RZ family	LFBGA
R7S910051CBG#AC0	-	Changed	RZ family	LFBGA
R7S910052CBG#AC0	-	Changed	RZ family	LFBGA
R7S910055CBG#AC0	-	Changed	RZ family	LFBGA
R7S910056CBG#AC0	-	Changed	RZ family	LFBGA
R7S910115B07CBG#AC0	-	Changed	RZ family	LFBGA
R7S910117B03CBG#AC0	-	Changed	RZ family	LFBGA
R7S910117B05CBG#AC0	-	Changed	RZ family	LFBGA
R7S910118B04CBG#AC0	-	Changed	RZ family	LFBGA
R7S910118CBG#AC0	-	Changed	RZ family	LFBGA
R7S910120B01CBG#AC0	-	Changed	RZ family	LFBGA
R9A06G043GBG#AC0	-	Changed	EC-1	LFBGA
R7FA6M3AF2CBG#AC0	-	Changed	RA family	LFBGA
R7FA6M3AF3CBG#AC0	-	Changed	RA family	LFBGA
R7FA6M3AH2CBG#AC0	-	Changed	RA family	LFBGA
R7FA6M3AH3CBG#AC0	-	Changed	RA family	LFBGA
R7FS5D97C2A01CBG#AC0	-	Changed	SYNERGY family	LFBGA
R7FS5D97C3A01CBG#AC0	-	Changed	SYNERGY family	LFBGA
R7FS5D97E2A01CBG#AC0	-	Changed	SYNERGY family	LFBGA
R7FS5D97E3A01CBG#AC0	-	Changed	SYNERGY family	LFBGA
R7FS7G27G2A01CBG#AC0	-	Changed	SYNERGY family	LFBGA
R7FS7G27H2A01CBG#AC0	-	Changed	SYNERGY family	LFBGA
R5F5651CDDBG#20	-	Changed	RX family	LFBGA
R5F5651CDGBG#20	-	Changed	RX family	LFBGA
R5F5651CHDBG#20	-	Changed	RX family	LFBGA
R5F5651CHGBG#20	-	Changed	RX family	LFBGA
R5F5651EDDBG#20	-	Changed	RX family	LFBGA
R5F5651EDGBG#20	-	Changed	RX family	LFBGA
R5F5651EHDBG#20	-	Changed	RX family	LFBGA
R5F5651EHGBG#20	-	Changed	RX family	LFBGA
R5F565NCDDBG#20	-	Changed	RX family	LFBGA
R5F565NCDGBG#20	-	Changed	RX family	LFBGA
R5F565NCHDBG#20	-	Changed	RX family	LFBGA
R5F565NCHGBG#20	-	Changed	RX family	LFBGA
R5F565NEDDBG#20	-	Changed	RX family	LFBGA
R5F565NEDGBG#20	-	Changed	RX family	LFBGA
R5F565NEHDBG#20	-	Changed	RX family	LFBGA

R5F565NEHGBG#20	-	Changed	RX family	LFBGA
R5F566NDDDBG#20	-	Changed	RX family	LFBGA
R5F566NDDGBG#20	-	Changed	RX family	LFBGA
R5F566NDHDBG#20	-	Changed	RX family	LFBGA
R5F566NDHGBG#20	-	Changed	RX family	LFBGA
R5F566NNDDBG#20	-	Changed	RX family	LFBGA
R5F566NNDGBG#20	-	Changed	RX family	LFBGA
R5F566NNHDBG#20	-	Changed	RX family	LFBGA
R5F566NNHGBG#20	-	Changed	RX family	LFBGA
R5F572MDDDBG#20	-	Changed	RX family	LFBGA
R5F572MDDGBG#20	-	Changed	RX family	LFBGA
R5F572MDHDBG#20	-	Changed	RX family	LFBGA
R5F572MDHGBG#20	-	Changed	RX family	LFBGA
R5F572MNDDBG#20	-	Changed	RX family	LFBGA
R5F572MNDGBG#20	-	Changed	RX family	LFBGA
R5F572MNHDBG#20	-	Changed	RX family	LFBGA
R5F572MNHGBG#20	-	Changed	RX family	LFBGA
R5F572NDDDBG#20	-	Changed	RX family	LFBGA
R5F572NDDGBG#20	-	Changed	RX family	LFBGA
R5F572NDHDBG#20	-	Changed	RX family	LFBGA
R5F572NDHGBG#20	-	Changed	RX family	LFBGA
R5F572NNDDBG#20	-	Changed	RX family	LFBGA
R5F572NNDGBG#20	-	Changed	RX family	LFBGA
R5F572NNHDBG#20	-	Changed	RX family	LFBGA
R5F572NNHGBG#20	-	Changed	RX family	LFBGA
R4F2153VBR25KDV	Changed	-	H8S family	LFBGA
R5F61662N50LGV	Changed	-	H8SX family	TFLGA
R5F61665D50LGV	Changed	-	H8SX family	TFLGA
R4F24279NVLPV	Changed	-	H8S family	TFLGA
DF2117RVLP20DHV	Changed	-	H8S family	TFLGA
DF2117RVPLP20HV	Changed	-	H8S family	TFLGA
R4F2113DLG#U0	Changed	-	H8S family	TFLGA
R4F2113NLG#U0	Changed	-	H8S family	TFLGA
R5F56216BDLD#U0	Changed	-	RX family	TFLGA
R5F56217BDLD#U0	Changed	-	RX family	TFLGA
R5F56218BDLD#U0	Changed	-	RX family	TFLGA
R5F56216BDLE#U0	Changed	-	RX family	TFLGA
R5F56217BDLE#U0	Changed	-	RX family	TFLGA
R5F56218BDLE#U0	Changed	-	RX family	TFLGA
R5F562N7ADLE#U0	Changed	-	RX family	TFLGA
R5F562N7BDLE#U0	Changed	-	RX family	TFLGA
R5F562N8ADLE#U0	Changed	-	RX family	TFLGA
R5F562N8BDLE#U0	Changed	-	RX family	TFLGA