

## Product Change Notice

(PCN Tracking Number: EE-QR-201027-01)

Version: 1

<b>Customer:</b>	All Customers		
<b>Renesas Product Type:</b>	R8C and M16C series (please refer to page 2-3 for more details)		
<b>Description of Change:</b>	The die attach material, lead frame and Back side grinding (BG) process factory will be changed for the listed Renesas R8C family (for automobiles use), M16C family (for automobiles use), M32R family and M59 series products. Please refer to page 2 for details of changes for each product.		
<b>Reason for Change:</b>	Due to the end of supply by the material manufacturer		
<b>Identification:</b>	Production history data can be queried by using the trace code of the product		
<b>Schedules:</b>	Qualification results:	Feb. 2021 (upon request)	
	Sample order:	Dec. 2020 latest (max. 100 pcs)	
	Sample delivery:	May 2021 (upon request)	
	Requested approval:	June 2021	
	Change implementation:	from Aug. 2021 sequentially	
	Final Last Time Buy Order for current products is end of Aug. 2021		
<b>Anticipated Impact:</b>	Fit:	No change	
	Form:	No change	
	Function:	No change	
	Quality & Reliability:	No change	
<b>Doc. No.:</b>	EEQC-PCN-CR-20-0077		
<b>Internal Reference:</b>	LLWEB-10089904		

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, 03.11.2020

### 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:

### Change of BG process factory:

Current : Renesas Semiconductor Manufacturing Co., Ltd. Saijo Factory

After change : Amkor Technology Japan, Inc. Kumamoto Factory

### Change of Lead Frame manufacturing method:

Current : Lead frame made by etching method

After change : Lead frame made by pressing method

**Notes:** \*\*\* indicates ROM code within the part name below

### 1. Change of the die attach material and BG process factory

M306N4FCTFP#UTQ	M30291FATHP#UFQ	M32176F4TFP#U0	M30281F8V-***HPU1Q
M306N4FGFP#UKJ	M30291FCTHP#UFQ	M32186F8VFP#U0	M30281M6T-***HP#U0
M306N4FGGP#U3	M30291FAVHP#UFQ	M32186F8VFP#U4	M30281M8T-***HP#UF
M306N4FGTFP#UKJ	M30291FCVHP#UFQ	M32186F8VFP#UFQ	M30281M8T-***HPUTQ
M306N4FGTFP#UTQ	M30291FCVHP#UGQ	M32192F8TFP#U0	M30291FAT-***HPUFQ
M306N4FGTGP#U0	R5F2120AKFP#U0	M32192F8TFP#UFQ0	M30291FCV-***HPU1Q
M306N5FCGP#U3	R5F2120CKFP#U0	M32196F8UFP#UFQ0	M30291FCV-***HPUUQ
M306N5FCTFP#U0J	R5F2121AJFP#U0	M59118FP#RV0T	M30291M8T-***HP#U0
M306N5FCTFP#UK	R5F2121CJFP#U0	M59544FP#RD	M30291M8T-***HP#UF
M306N5FCTFP#UKJ	R5F2122AJFP#U0	M30291FATHP#U3A	M30291MAT-***HP#U0
M306N5FCVFP#UKJ	R5F2122AJFP#W4	M30291FCVHP#U3A	M30291MAT-***HPUTQ
M306N5FCVFP#UKV	R5F2122CJFP#U0	M306N4MCT-***FP#X2	M30291MAV-***HP#U0
M306NKFHGP#U3	R5F2122CKFP#U0	M306N4MGT-***FPUFQ	M30291MCT-***HP#U0
M306NLFHGP#U3	R5F2123AJFP#G0L	M306N4MGT-***FPUTQ	M30291MCT-***HPUTQ
M306NLFJGP#U3	R5F2123AJFP#U0	M306N5MCT-***FP#X2	M30291MCV-***HP#WA
M306NMFHGP#U3	R5F2123AJFP#U0L	M306N5MCT-***FP#U0	R5F2122AJ***FP#U0
M306NMFJGP#U3	R5F2123AJFP#W4	M306N5MCV-***FPUNV	R5F2123AK***FP#U0
M30833FJVGP#UFQ	R5F2123AJFP#W5	M306NKME-***GP#U3	M32176F2V-***FP#U5
M30853FHVGP#UFQ	R5F2123AKFP#U0	M30840MCT-***GP#U0	M32176F4V-***FPU2V
M30853FJVGP#UFQ	R5F2123CJFP#G0Q	M301N2M4T-***FP#U3	M32176F4V-***FPUF5
M30853FWTGP#UFQ	R5F2123CJFP#U0	M301N2M8T-***FP#U3	M32186F8V-***FPU0V
M30943FJUGP#UFQ	R5F2123CJFP#W4	M301N2M8T-***FPU0V	M32186F8V-***FP#U1
M301N2F8TFP#U3	R5F2123CKFP#U0	M30260F3T-***GPU1Q	M32186F8V-***FP#U5
M301N2F8TFP#U7	M32176F2VFP#U0J	M30260F3V-***GPUDQ	
M301N2F8TFP#UTQ	M32176F3TFP#U0	M30260F3V-***GPUFQ	

### 2. Change of the die attach material, lead frame and BG process factory

M30290FATHP#UFQ	M30290FAVHP#U1Q	M30290FCTHP#UFQ	M30290FCVHP#U1Q
-----------------	-----------------	-----------------	-----------------

### 3. Change of BG process factory

C32186F8V-***	C32186F8V-***#U5
---------------	------------------

**Product list:**

M306N4FGTFP#UKJ  
M301N2F8TFP#U3  
M30291FCVHP#U3A  
M306N4FGGP#U3  
M306N4FGTFP#UKJ  
M306N4FGTGP#U0  
M306N5FCTFP#UK  
M306N5FCTFP#UKJ  
M306NKFHGP#U3  
M306NLFHGP#U3  
M306NLFJGP#U3  
R5F2122AJFP#W4  
R5F2122CKFP#U0  
R5F2123AJFP#W4  
R5F2123CJFP#U0  
R5F2123CKFP#U0