

Product Change Notification

(Notification – P2209056-DI)

(AMBD-2022-1168 / DOZ022)

September 29, 2022

To: *Our Valued Distribution Customer*

The purpose of this notification is to communicate a product change of select Renesas Electronics America, Inc. (REA) devices.

This notification announces the addition of Renesas Electronics Corporation (Naka Factory) as an additional wafer fabrication site and Renesas Semiconductor KL Sdn. Bhd. (RSKL) as an additional back grinding site for select RL78/F13 & F14 series devices. See the appendix for additional details.

Devices from the new additional sites have a new additional part number. There is no impact to the specifications, fit, form, characteristics, quality & reliability of the products.

Affected Products: A review of our records indicates the list of products in the Appendix may affect your company.

Part numbers given in this list are for active part numbers in REA database at the time of this notification.

Key Dates:

Shipments from REA of the new additional part numbers begins.

December 1, 2023

Response: No response is required. REA will consider this notification approved 30 days after its issue. If you anticipate volumes beyond your regular rate prior to the transition date, please contact your REA sales representative with a forecast of your requirements.

If the customer provides a timely acknowledgement, the customer shall have 90 days (an additional 60 days) from the date of receipt of this notification in which to make any objections to the notification. If the customer does not make any objections to this notification within 90 days of the receipt of the notification, then Renesas will consider the notification as approved. If customer cannot accept the notification, then the customer must provide Renesas with a last time buy demand and purchase order.

Please contact your REA sales representative for any questions or comments. Thank you for your attention.

Sincerely,

Renesas Electronics America, Inc.

Appendix A: Affected Part List

Booking Part Number	New Additional PN	Booking Part Number	New Additional PN
R5F10AGCCLFB#55	R5F10AGCCLFB#5A	R5F10AMECLFB#55	R5F10AMECLFB#5A
R5F10AGCCLFB#55Q	R5F10AGCCLFB#5AQ	R5F10AMFCLFB#55	R5F10AMFCLFB#5A
R5F10AGDCLFB#35	R5F10AGDCLFB#3A	R5F10AMFCLFB#55Q	R5F10AMFCLFB#5AQ
R5F10AGDCLFB#55	R5F10AGDCLFB#5A	R5F10AMGCLFB#55	R5F10AMGCLFB#5A
R5F10AGECKFB#15	R5F10AGECKFB#1A	R5F10AMGCLFB#55Q	R5F10AMGCLFB#5AQ
R5F10AGECKFB#35	R5F10AGECKFB#3A	R5F10BGDCLFB#55	R5F10BGDCLFB#5A
R5F10AGECKFB#55	R5F10AGECKFB#5A	R5F10BGECKFB#35	R5F10BGECKFB#3A
R5F10AGECLFB#15	R5F10AGECLFB#1A	R5F10BGECKFB#55	R5F10BGECKFB#5A
R5F10AGECLFB#35	R5F10AGECLFB#3A	R5F10BGECLFB#35	R5F10BGECLFB#3A
R5F10AGECLFB#55	R5F10AGECLFB#5A	R5F10BGECLFB#55	R5F10BGECLFB#5A
R5F10AGFCKFB#35	R5F10AGFCKFB#3A	R5F10BGFCLFB#15	R5F10BGFCLFB#1A
R5F10AGFCKFB#55	R5F10AGFCKFB#5A	R5F10BGFCLFB#35	R5F10BGFCLFB#3A
R5F10AGFCLFB#55	R5F10AGFCLFB#5A	R5F10BGFCLFB#55	R5F10BGFCLFB#5A
R5F10AGGCKFB#35	R5F10AGGCKFB#3A	R5F10BGGCKFB#15	R5F10BGGCKFB#1A
R5F10AGGCKFB#55	R5F10AGGCKFB#5A	R5F10BGGCKFB#35	R5F10BGGCKFB#3A
R5F10AGGCLFB#15	R5F10AGGCLFB#1A	R5F10BGGCKFB#55	R5F10BGGCKFB#5A
R5F10AGGCLFB#15Q	R5F10AGGCLFB#1AQ	R5F10BGGCLFB#15	R5F10BGGCLFB#1A
R5F10AGGCLFB#55	R5F10AGGCLFB#5A	R5F10BGGCLFB#15Q	R5F10BGGCLFB#1AQ
R5F10ALCCLFB#35Q	R5F10ALCCLFB#3AQ	R5F10BGGCLFB#35	R5F10BGGCLFB#3A
R5F10ALECKFB#15	R5F10ALECKFB#1A	R5F10BGGCLFB#55	R5F10BGGCLFB#5A
R5F10ALECKFB#35	R5F10ALECKFB#3A	R5F10BLECKFB#55	R5F10BLECKFB#5A
R5F10ALECKFB#55	R5F10ALECKFB#5A	R5F10BLGCKFB#15	R5F10BLGCKFB#1A
R5F10ALECLFB#15	R5F10ALECLFB#1A	R5F10BLGCKFB#35	R5F10BLGCKFB#3A
R5F10ALECLFB#35	R5F10ALECLFB#3A	R5F10BLGCKFB#55	R5F10BLGCKFB#5A
R5F10ALECLFB#55	R5F10ALECLFB#5A	R5F10BLGCLFB#15	R5F10BLGCLFB#1A
R5F10ALFCKFB#55	R5F10ALFCKFB#5A	R5F10BLGCLFB#35	R5F10BLGCLFB#3A
R5F10ALGCLFB#15	R5F10ALGCLFB#1A	R5F10BLGCLFB#55	R5F10BLGCLFB#5A
R5F10ALGCLFB#35	R5F10ALGCLFB#3A	R5F10BMGCKFB#15	R5F10BMGCKFB#1A
R5F10ALGCLFB#55	R5F10ALGCLFB#5A	R5F10BMGCKFB#35	R5F10BMGCKFB#3A
R5F10AMECKFB#15	R5F10AMECKFB#1A	R5F10BMGCKFB#55	R5F10BMGCKFB#5A
R5F10AMECKFB#35	R5F10AMECKFB#3A	R5F10BMGCLFB#15	R5F10BMGCLFB#1A
R5F10AMECKFB#55	R5F10AMECKFB#5A	R5F10BMGCLFB#35	R5F10BMGCLFB#3A
R5F10AMECLFB#15	R5F10AMECLFB#1A	R5F10BMGCLFB#55	R5F10BMGCLFB#5A
R5F10AMECLFB#35	R5F10AMECLFB#3A	R5F10PGDCLFB#15	R5F10PGDCLFB#1A

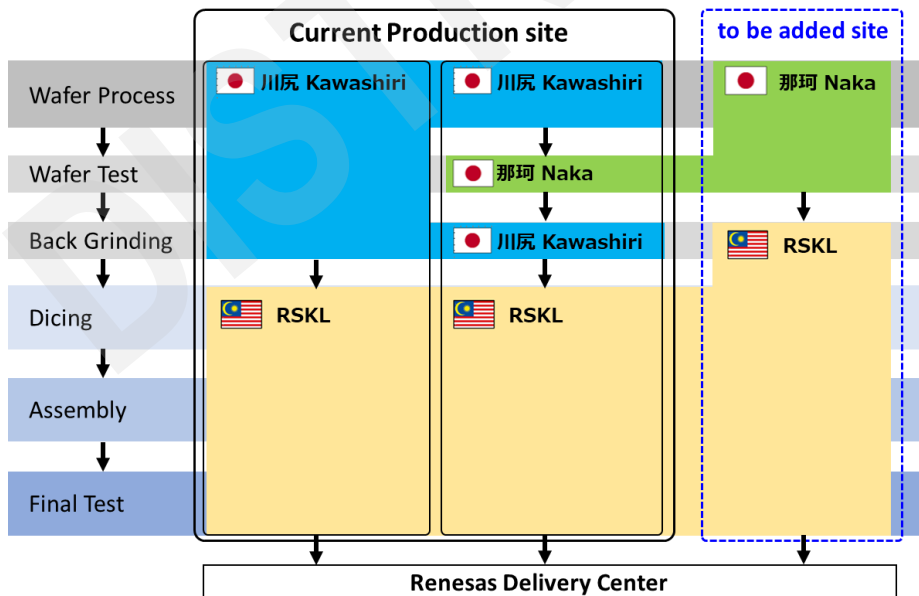
Appendix A: Affected Part List (cont.)

Booking Part Number	New Additional PN	Booking Part Number	New Additional PN
R5F10PGDCLFB#35	R5F10PGDCLFB#3A	R5F10PLJCKFB#55	R5F10PLJCKFB#5A
R5F10PGDCLFB#55	R5F10PGDCLFB#5A	R5F10PLJCLFB#15	R5F10PLJCLFB#1A
R5F10PGFCKFB#15	R5F10PGFCKFB#1A	R5F10PLJCLFB#15Q	R5F10PLJCLFB#1AQ
R5F10PGFCKFB#35	R5F10PGFCKFB#3A	R5F10PLJCLFB#35	R5F10PLJCLFB#3A
R5F10PGFCKFB#55	R5F10PGFCKFB#5A	R5F10PLJCLFB#35Q	R5F10PLJCLFB#3AQ
R5F10PGGCKFB#15	R5F10PGGCKFB#1A	R5F10PLJCLFB#55	R5F10PLJCLFB#5A
R5F10PGGCKFB#35	R5F10PGGCKFB#3A	R5F10PMHCKFB#35	R5F10PMHCKFB#3A
R5F10PGGCKFB#55	R5F10PGGCKFB#5A	R5F10PMHCKFB#55	R5F10PMHCKFB#5A
R5F10PGGCLFB#35	R5F10PGGCLFB#3A	R5F10PMJCKFB#15	R5F10PMJCKFB#1A
R5F10PGGCLFB#55	R5F10PGGCLFB#5A	R5F10PMJCKFB#35	R5F10PMJCKFB#3A
R5F10PGHCKFB#35	R5F10PGHCKFB#3A	R5F10PMJCKFB#55	R5F10PMJCKFB#5A
R5F10PGHCKFB#55	R5F10PGHCKFB#5A	R5F10PMJCLFB#15	R5F10PMJCLFB#1A
R5F10PGHCLFB#15Q	R5F10PGHCLFB#1AQ	R5F10PMJCLFB#15Q	R5F10PMJCLFB#1AQ
R5F10PGHCLFB#35	R5F10PGHCLFB#3A	R5F10PMJCLFB#35	R5F10PMJCLFB#3A
R5F10PGHCLFB#35Q	R5F10PGHCLFB#3AQ	R5F10PMJCLFB#35Q	R5F10PMJCLFB#3AQ
R5F10PGHCLFB#55	R5F10PGHCLFB#5A	R5F10PMJCLFB#55	R5F10PMJCLFB#5A
R5F10PGHCLFB#55Q	R5F10PGHCLFB#5AQ	R5F10PPECLFB#35	R5F10PPECLFB#3A
R5F10PGJCKFB#15	R5F10PGJCKFB#1A	R5F10PPECLFB#55	R5F10PPECLFB#5A
R5F10PGJCKFB#35	R5F10PGJCKFB#3A	R5F10PPFCLFB#55	R5F10PPFCLFB#5A
R5F10PGJCKFB#55	R5F10PGJCKFB#5A	R5F10PPFCLFB#55Q	R5F10PPFCLFB#5AQ
R5F10PGJCLFB#15	R5F10PGJCLFB#1A	R5F10PPGCLFB#15	R5F10PPGCLFB#1A
R5F10PGJCLFB#15Q	R5F10PGJCLFB#1AQ	R5F10PPGCLFB#35	R5F10PPGCLFB#3A
R5F10PGJCLFB#35	R5F10PGJCLFB#3A	R5F10PPGCLFB#55	R5F10PPGCLFB#5A
R5F10PGJCLFB#35Q	R5F10PGJCLFB#3AQ	R5F10PPGCLFB#55Q	R5F10PPGCLFB#5AQ
R5F10PGJCLFB#55	R5F10PGJCLFB#5A	R5F10PPHCLFB#35	R5F10PPHCLFB#3A
R5F10PLECLFB#15	R5F10PLECLFB#1A	R5F10PPHCLFB#55	R5F10PPHCLFB#5A
R5F10PLGCKFB#35	R5F10PLGCKFB#3A	R5F10PPJCKFB#15	R5F10PPJCKFB#1A
R5F10PLGCKFB#55	R5F10PLGCKFB#5A	R5F10PPJCKFB#35	R5F10PPJCKFB#3A
R5F10PLHCKFB#35	R5F10PLHCKFB#3A	R5F10PPJCKFB#55	R5F10PPJCKFB#5A
R5F10PLHCKFB#55	R5F10PLHCKFB#5A	R5F10PPJCLFB#15	R5F10PPJCLFB#1A
R5F10PLHCLFB#35	R5F10PLHCLFB#3A	R5F10PPJCLFB#15Q	R5F10PPJCLFB#1AQ
R5F10PLHCLFB#35Q	R5F10PLHCLFB#3AQ	R5F10PPJCLFB#35	R5F10PPJCLFB#3A
R5F10PLHCLFB#55	R5F10PLHCLFB#5A	R5F10PPJCLFB#35Q	R5F10PPJCLFB#3AQ
R5F10PLJCKFB#15	R5F10PLJCKFB#1A	R5F10PPJCLFB#55	R5F10PPJCLFB#5A
R5F10PLJCKFB#35	R5F10PLJCKFB#3A		

Appendix B: Change Summary

Item	Current	New Additional
Diffusion Factory	Kawashiri Factory	Naka Factory
Design Process	No Change, MF3 (130um) Process	
Wafer Test Factory	No Change (Kawashiri / Naka)	
Back Grinding Factory	Kawashiri Factory	RSKL Factory
Assembly Factory	No Change (RSKL)	
Final Test Factory	No Change (RSKL)	
Assembly Process	No Change (Cu Wire)	
PKG Shape	No Change	
Mark	Changed (See Appendix D)	
Packing Label	Changed (See Appendix E)	

Appendix C: Production Flow



Appendix D: Marking Change

Mark example for R5F10PPJCLFB (F14, Cu wire product).

	川尻品/Kawashiri (Cu wire)	那珂品/Naka (Cu wire)
example 48pin	10PPJCL XXXXXX4XX	10PPJCL XXXXXXEXX
example 64pin	R5F10PPJCL XXXXXX4XX	R5F10PPJCL XXXXXXEXX
example 80pin	R5F10PPJCL XXXXXX4XX MALAYSIA	R5F10PPJCL XXXXXXEXX MALAYSIA
example 100pin	R5F10PPJCL XXXXXX4XX MALAYSIA	R5F10PPJCL XXXXXXEXX MALAYSIA

The front-end factory can be identified by the part of red character in above.

Appendix E: Packing Label Change

Label example for R5F10PPJCLFB#15Q (F14, 100pin Full-Carton).

川尻品/Kawashiri



那珂品/Naka



The front-end factory can be identified by the part of red character in above.