

Product Change Notification

(Notification - P1607035-DIGI)

(PC-WRP-A001A/E)

July 29, 2016

To: *Our Valued DigiKey, Inc. Electronics Customer*

Overview: The purpose of this notification is to communicate product change of select Renesas Electronics America, Inc. (REA) devices. There is no change to the part number, electrical characteristics, or product reliability.

This notification announces a standardization of JEDEC trays and carrier tape specifications. The following is a list of the changes (see the appendices for the specific change and additional details)...

1. Change in the specification for the carrier tape.
2. Unification of the model of the JEDEC tray.
3. Unification of the storing order of IC in the JEDEC tray.
4. Unification of numbers of strapping band for JEDEC trays.

Affected Products: The accompanying letter, provided by DigiKey, Inc., lists the products which 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 products using the new specification begins. Cross shipments between the original and new specification may continue for a period of time.
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March 15th, 2017

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.

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

Thank you for your attention.

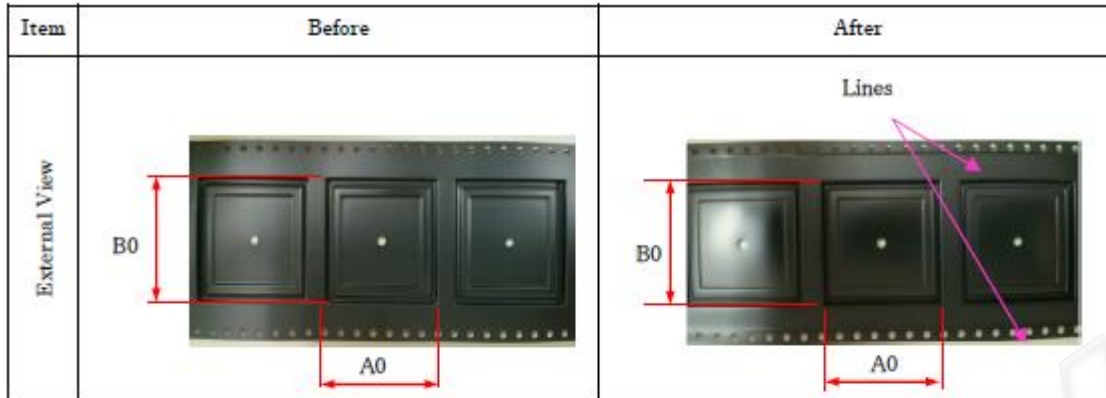
Sincerely,

Renesas Electronics America, Inc.

Appendix 1:

1. Change the specification of the carrier tape.

The pocket dimension of designated products shall be changed as such: however, there is no change to a stored quantity, a tape width, and a pocket pitch.

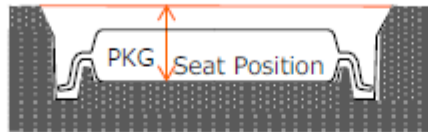


Applied Package	Applied Products	Before			After		
		Old tape model	A0/B0 (mm)	PKG Seat position (mm)	New tape model	A0/B0 (mm)	PKG Seat position (mm)
LQFP 7x7	APPENDIX 1-A	E16x12-B1CA	9.95	0	E1612Q07RA	9.50	0
		E16x12-DFCA	9.95	0			
		TE1612-34P	9.5/10.8	0			
		TE1612-32P6U	9.95	0			
		MTE1612H-QFP(FP)-7X7	10.36	0.25			
LQFP 10x10	APPENDIX 1-B	E24x16-B2CA	13.45	0	E2416Q10RA	12.50	0
		MTE2416H-64P6Q-A	13.00				
LQFP 12x12	APPENDIX 1-C	E24*20-B3CA	15.45	0	E2420Q12RA	14.50	0
		MTE2420H-80P6Q-A	15.00				
LQFP 14x14	APPENDIX 1-D	E24*24-AKCA	16.50	0	E2424Q14RA	16.50	0
		E24*24-DGCA	16.50				
LQFP 16x16	APPENDIX 1-E	TE3224-17P	19.45	0	E3224Q16RA	18.50	0
LQFP 20x20	APPENDIX 1-F	E44*32-B5CA	23.45	0	E4432Q20RA	22.50	0
		MTE4432H-144P6Q-A	23.3				
LQFP 24x24	APPENDIX 1-G	E44*32-AZCA	27.45	0	E4432Q24RA	26.50	0
		TE4432-6P	27.45				

Appendix 2:

2. Unification of the JEDEC Tray for LQFP Package.

The products shipped by an old model tray shall be changed to a new model tray. A JEDEC specified size (External size, Pocket Pitch, etc.) shall not be changed by this unification, but the seat position may be differed between old and new. The products has already shipped by the new model shall not be changed the tray model. There are a plural pocket shapes (Shape of the pocket hole) at the new tray.





Tray Pocket cross section

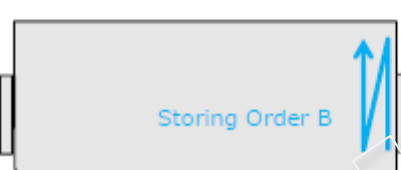
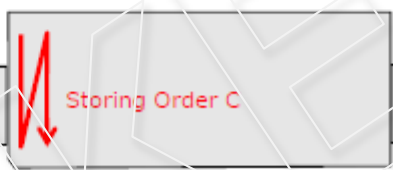
Applied Package	Applied Products	Before		After	
		Old Tray Model	PKG Seat position(mm)	New Tray Model	PKG seat position(mm)
LQFP 7x7	APPENDIX 2-A	L196-56	2.0	LQFP7x7x1.4	2.0
LQFP 10x10	APPENDIX 2-B	L196-49	2.0	LQFP10x10x1.4	1.5
LQFP 12x12	APPENDIX 2-C	JHB-121214	1.5	LQFP12x12x1.4	2.0
LQFP 14x14	APPENDIX 2-D	L196-05	1.5	TQFP14x14x1.4	2.0
LQFP 16x16	APPENDIX 2-E	PTB83C	1.8	LQFP16x16x1.4	1.8
LQFP 20x20	APPENDIX 2-F	L196-65A	2.0	LQFP20x20x1.4	1.6
LQFP 24x24	APPENDIX 2-G	L196-06A	1.5	LQFP24x24x1.4	1.5

Appendix 3:

3. Unification of the storing order of IC in the JEDEC Tray

The package storing order to JEDEC tray shall be unified to one direction (Storing Order C) from a plural direction.

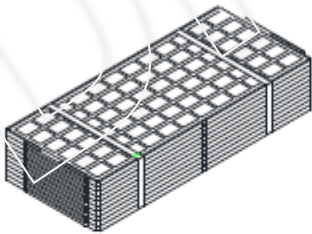

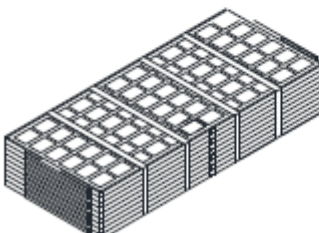
Item	Before	After
Storing Order A in the tray		
Applicable products	APPENDIX 3-A	

Item	Before	After
Storing Order B in the tray		
Applicable products	APPENDIX 3-B	

Appendix 4:

4. Unification of the strapping band for JEDEC Tray

The numbers of strapping band used to tight the JEDEC Tray shall be unified to three bands.

Item	Before	After
Two Strapping Bands		 ※Several color of bands are available.
Four Strapping Bands		
Applicable Products	APPENDIX 4	

MPN	Note
D12320VF25V	See Appendix #4
D12322RVF25V	See Appendix #4
D12350F20V	See Appendix #4
D12390F20V	See Appendix #4
D6417709SBP167BV	See Appendix #4
D6417709SHF200BV	See Appendix #4
D6417729RHF200BV	See Appendix #4
DF2117RVT20V	See Appendix #4
DF2117VBG20V	See Appendix #4
DF2117VT20HV	See Appendix #4
DF2134ATF20V	See Appendix #4
DF2134TF20V	See Appendix #4
DF2138AFA20V	See Appendix #4
DF2140BVTE10V	See Appendix #4
DF2144AFA20V	See Appendix #4
DF2144FA20IV	See Appendix #4
DF2144FA20V	See Appendix #4
DF2145BFA20V	See Appendix #4
DF2145BVFA10V	See Appendix #4
DF2148ATE20IV	See Appendix #4
DF2148BFA20IV	See Appendix #4
DF2148BFA20V	See Appendix #4
DF2161BVT10V	See Appendix #4
DF2166VT33V	See Appendix #4
DF2166VT33WV	See Appendix #4
DF2210CUFP24V	See Appendix #2B & #4
DF2212CUFP24V	See Appendix #2B & #4
DF2212FP24V	See Appendix #2B & #4
DF2215CUTE24V	See Appendix #4
DF2215RTE24V	See Appendix #4
DF2215RUTE24V	See Appendix #4
DF2215RUTE24WV	See Appendix #4
DF2215UTE16V	See Appendix #4
DF2218CUTF24V	See Appendix #4
DF2218UTF24V	See Appendix #4
DF2238BFA13V	See Appendix #4
DF2238BTE13V	See Appendix #4
DF2238RFA13V	See Appendix #4
DF2238RTE13V	See Appendix #4
DF2239FA16V	See Appendix #4
DF2239TF20V	See Appendix #4
DF2317VTE25V	See Appendix #4
DF2317VTEBL25V	See Appendix #4
DF2318VTE25V	See Appendix #4
DF2319EVF25V	See Appendix #4
DF2319VTE25V	See Appendix #4

DF2328BVF25V	See Appendix #4
DF2328VF25V	See Appendix #4
DF2328VTE25V	See Appendix #4
DF2329BVF25V	See Appendix #4
DF2329BVTE25V	See Appendix #4
DF2338VFC25V	See Appendix #4
DF2357TE20V	See Appendix #4
DF2360VTE34V	See Appendix #4
DF2367VF33V	See Appendix #4
DF2368VTE34V	See Appendix #4
DF2398F20V	See Appendix #4
DF2612FA20JV	See Appendix #4
DF2612FA20V	See Appendix #4
DF2623FA20V	See Appendix #4
DF2633F25V	See Appendix #4
DF2633TE25V	See Appendix #4
DF2636F20V	See Appendix #4
DF2638F20V	See Appendix #4
DF2676VFC33V	See Appendix #4
DF3029F25V	See Appendix #4
DF3048BF25V	See Appendix #4
DF3048BF25WV	See Appendix #4
DF3048BVF25V	See Appendix #4
DF3062BF25V	See Appendix #4
DF3062BFBL25V	See Appendix #4
DF3064BF25V	See Appendix #4
DF3067RF20V	See Appendix #4
DF3067RVF13V	See Appendix #4
DF3068F25V	See Appendix #4
DF3069RF25V	See Appendix #4
DF36014GFYV	See Appendix #2A & #4
DF36024FPV	See Appendix #2B & #4
DF36024FXV	See Appendix #2B & #4
DF36024GFPV	See Appendix #2B & #4
DF36049GHV	See Appendix #4
DF36049HV	See Appendix #4
DF36064GHV	See Appendix #4
DF36077GFZV	See Appendix #2B & #4
DF36077GHV	See Appendix #4
DF36077GHWV	See Appendix #4
DF36079GFZV	See Appendix #2B & #4
DF36079GHV	See Appendix #4
DF36079LFZV	See Appendix #2B & #4
DF36079LHV	See Appendix #4
DF36087FPV	See Appendix #2B & #4
DF36109HV	See Appendix #2D & #4
DF36902GFHV	See Appendix #2A & #4

DF38099FP4V	See Appendix #2D
DF38347HV	See Appendix #4
DF61544J40FPV	See Appendix #2F & #4
DF70844AD80FPV	See Appendix #2F & #4
DF70844AN80FPV	See Appendix #2F & #4
DF70845AD80FPV	See Appendix #2F & #4
DF70845AN80FPV	See Appendix #2F & #4
DF70855AD80FPV	See Appendix #2F & #4
DF71243D50FPV#Z1	See Appendix #2B & #4
DF71323AD80FPV	See Appendix #2D & #4
DF71364AD80FPV	See Appendix #2D
DF71374AD80FPV	See Appendix #2D & #4
DF71464AD80FPV	See Appendix #2D & #4
DF71474AK64FPV	See Appendix #2D & #4
DS76190B125BGV	See Appendix #4
DS76190W125BGV	See Appendix #4
HD6417014F28V	See Appendix #4
HD6417034AFI20V	See Appendix #4
HD6417145F50V	See Appendix #2F & #4
HD6417616SFV	See Appendix #4
HD6472655RFV	See Appendix #4
HD64F3664FPV	See Appendix #2B & #4
HD64F3664HV	See Appendix #4
HD64F3670FYV	See Appendix #2A
HD64F3672FPV	See Appendix #2B & #4
HD64F3672FXV	See Appendix #2B & #4
HD64F3684GHV	See Appendix #4
HD64F3687FPV	See Appendix #2B & #4
HD64F3687GFPV	See Appendix #2B & #4
HD64F3687GHV	See Appendix #4
HD64F3687HV	See Appendix #4
HD64F3694FPV	See Appendix #2B & #4
HD64F3694FXV	See Appendix #2B & #4
HD64F3694FYV	See Appendix #2A & #4
HD64F3694GFPV	See Appendix #2B & #4
HD64F3694GFYV	See Appendix #2A & #4
HD64F38024RHV	See Appendix #4
HD64F7044F28V	See Appendix #4
HD64F7045F28V	See Appendix #4
HD64F7046F50V	See Appendix #4
HD64F7047F50V	See Appendix #4
HD64F7065AF60V	See Appendix #4
HD64F7144F50V	See Appendix #4
HD64F7144FW50V	See Appendix #4
HD64F7145F50V	See Appendix #2F & #4
HD64F7145FW50V	See Appendix #2F & #4
M30245FCGP#U1	See Appendix #2D, #3B, & #4

M30260F3AGP#U5A	See Appendix #2A, #3B, & #4
M30260F3AGP#U7A	See Appendix #2A, #3B, & #4
M30260F6AGP#U5A	See Appendix #2A, #3B, & #4
M30260F6AGP#U7A	See Appendix #2A, #3B, & #4
M30260F6AGP#U9A	See Appendix #2A, #3B, & #4
M30260F8AGP#U3A	See Appendix #2A, #3B, & #4
M30260F8AGP#U5A	See Appendix #2A, #3B, & #4
M30260F8AGP#U7A	See Appendix #2A, #3B, & #4
M30280F6HP#U3B	See Appendix #2C, #3B, & #4
M30280F6HP#U5B	See Appendix #2C, #3B, & #4
M30280F6HP#U7B	See Appendix #2C & #3B
M30280F8HP#U3B	See Appendix #2C, #3B, & #4
M30280FAHP#U5B	See Appendix #2C, #3B, & #4
M30280FAHP#U7B	See Appendix #2C, #3B, & #4
M30280FAHP#U9B	See Appendix #2C & #3B
M30280FCHP#U5B	See Appendix #2C
M30280FCHP#U9B	See Appendix #2C
M30281F6HP#U9B	See Appendix #2B & #3B
M30281FAHP#U9B	See Appendix #2B & #3B
M30281FCHP#U7B	See Appendix #2B
M30290FAHP#U3A	See Appendix #2C
M30290FCHP#U3A	See Appendix #2C
M30290FCHP#U5A	See Appendix #2C
M30290FCHP#U7A	See Appendix #2C
M30290FCVHP#U7A	See Appendix #2C, #3B, & #4
M30291FAHP#U7A	See Appendix #2B
M30291FCHP#U3A	See Appendix #2B
M30291FCHP#U5A	See Appendix #2B
M30291FCHP#U7A	See Appendix #2B
M30302FAPGP#U3	See Appendix #2D & #3B
M30302FEPGP#U5	See Appendix #2D & #3B
M30620FCFP#U3C	See Appendix #3B
M30620FCFP#U5C	See Appendix #3B
M30620FCFP#U7C	See Appendix #3B
M30620FCPGP#U3C	See Appendix #2D & #3B
M30620FCPGP#U5C	See Appendix #2D & #3B
M30620FCPGP#U7C	See Appendix #2D & #3B
M30620FCPGP#U9C	See Appendix #4
M30620SPFP#U5C	See Appendix #3B & #4
M30620SPGP#U3C	See Appendix #2D & #3B
M30622F8PFP#U5C	See Appendix #3B
M30624FGPFP#U3C	See Appendix #3B
M30624FGPFP#U5C	See Appendix #3B
M30624FGPFP#U7C	See Appendix #3B
M30624FGPFP#U9C	See Appendix #3B & #4
M30624FGPGP#U3C	See Appendix #2D & #3B
M30624FGPGP#U5C	See Appendix #2D & #3B

M30624FGPGP#U7C	See Appendix #2D, #3B, & #4
M30624FGPGP#U9C	See Appendix #2D, #3B, & #4
M30626FHFPF#U3C	See Appendix #3B
M30626FHFPF#U5C	See Appendix #3B
M30626FHFPF#U7C	See Appendix #3B & #4
M30626FHFPF#U9C	See Appendix #3B
M30626FHPPG#U3C	See Appendix #2D & #3B
M30626FHPPG#U5C	See Appendix #2D & #3B
M30626FHPPG#U7C	See Appendix #2D & #3B
M30626FHPPG#U9C	See Appendix #2D & #3B
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M30627FHPPG#U7C	See Appendix #3B & #4
M30627FHPPG#U9C	See Appendix #3B & #4
M30627FJPGP#U3C	See Appendix #3B & #4
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M30627FJPGP#U9C	See Appendix #3B
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M3062LFGPPF#U5C	See Appendix #3B
M3062LFGPPG#U3C	See Appendix #2D & #3B
M3062LFGPPG#U5C	See Appendix #2D & #3B
M3062LFGPPG#U7C	See Appendix #2D, #3B, & #4
M3062LFGPPG#U9C	See Appendix #2D & #3B
M306N4FCVGP#U0	See Appendix #2D & #3B
M306N4FGGP#U3	See Appendix #2D, #3B, & #4
M306N4FGTFP#UKJ	See Appendix #3B & #4
M306NKFHGP#U3	See Appendix #2D, #3B, & #4
M306NKFJGP#U3	See Appendix #2D, #3B, & #4
M306NLFHGP#U3	See Appendix #2D, #3B, & #4
M306NMFJGP#U3	See Appendix #3B & #4
M306S0FAGP#U3	See Appendix #2B
M30800SAGP-BL#U5	See Appendix #2D, #3B, & #4
M30833FJFP#U3	See Appendix #3B & #4
M30833FJFP#U5	See Appendix #3B & #4
M30833FJGP#U3	See Appendix #2D, #3B, & #4
M30842SGP#U5	See Appendix #3B & #4
M30843FJGP#U3	See Appendix #2D, #3B, & #4
M30843FJGP#U5	See Appendix #2D & #3B
M30843FWGP#U5	See Appendix #2D & #3B
M30845FJGP#U5	See Appendix #3B & #4
M30853FHFP#U3	See Appendix #3B & #4
M30853FHFP#U5	See Appendix #3B & #4
M30855FHGP#U5	See Appendix #3B & #4
M30855FJGP#U3	See Appendix #3B & #4

M30855FJGP#U5	See Appendix #3B & #4
M30873FHAGP#U3	See Appendix #2D
M30873FHBGP#U3	See Appendix #2D
M30875FHBGP#U3	See Appendix #2F
M30876FJAGP#U5	See Appendix #2D
M30876FJBGP#U3	See Appendix #2D
M30876FJGP#U3	See Appendix #2D
M30878FJBGP#U5	See Appendix #2F
M30879FKBGP#U5	See Appendix #2D
M30879FKGP#U3	See Appendix #2D
M30879FLAGP#U3	See Appendix #2D
M30879FLGP#U3	See Appendix #2D
M30879FLGP#U5	See Appendix #2D
M3087BFKBGP#U5	See Appendix #2F
M3087BFLBGP#U3	See Appendix #2F
M3087BFLBGP#U5	See Appendix #2F
M3087BFLGP#U3	See Appendix #2F
M308A5SGP#U5	See Appendix #2F & #3B
M308B8SGP#U5	See Appendix #2F, #3B, & #4
R1LV0408DSA-5SI#B0	See Appendix #3B
R1LV0408DSA-7LI#B0	See Appendix #3B
R1LV0408DSB-5SI#B0	See Appendix #3B
R1LV0414DSB-5SI#B0	See Appendix #3B
R1LV0416DSB-5SI#B0	See Appendix #3B
R1LV0416DSB-7LI#B0	See Appendix #3B
R1LV1616RBG-5SI#B0	See Appendix #3B
R1LV1616RSD-5SI#B0	See Appendix #3B
R1WV3216RBG-7SI#B0	See Appendix #3B
R2A25108KFP#V5	See Appendix #2A
R4F20202DFD#U0	See Appendix #2D & #4
R4F20202NFD#U0	See Appendix #2D & #4
R4F2113NBG#U0	See Appendix #4
R4F24248NVFPV	See Appendix #2D
R4F24249NVFPV	See Appendix #2D
R4F24268NVFQV	See Appendix #2F
R4F24569DVRFQV	See Appendix #2F
R4F24569NVRFQV	See Appendix #2F
R4F2462VFQ34V	See Appendix #2F
R4F2472VBR34DV	See Appendix #4
R5F1006AASP#V0	See Appendix #3A
R5F1006CASP#V0	See Appendix #3A
R5F1006DASP#V0	See Appendix #3A
R5F1006EASP#V0	See Appendix #3A
R5F1007AANA#U0	See Appendix #3A
R5F1007CANA#U0	See Appendix #3A
R5F1007DANA#U0	See Appendix #3A
R5F1007EANA#U0	See Appendix #3A

R5F1008DALA#U0	See Appendix #3A
R5F1008EALA#U0	See Appendix #3A
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R5F100AEASP#V0	See Appendix #3A
R5F100AFASP#V0	See Appendix #3A
R5F100AGASP#V0	See Appendix #3A
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R5F100BCANA#U0	See Appendix #3A
R5F100BDANA#U0	See Appendix #3A
R5F100BEANA#U0	See Appendix #3A
R5F100BFANA#U0	See Appendix #3A
R5F100BGANA#U0	See Appendix #3A
R5F100CAALA#U0	See Appendix #3A
R5F100CCALA#U0	See Appendix #3A
R5F100CFALA#U0	See Appendix #3A
R5F100CGALA#U0	See Appendix #3A
R5F100EAANA#U0	See Appendix #3A
R5F100ECANA#U0	See Appendix #3A
R5F100EEANA#U0	See Appendix #3A
R5F100EFANA#U0	See Appendix #3A
R5F100EHANA#U0	See Appendix #3A
R5F100FAAFP#V0	See Appendix #3A
R5F100FCAFP#V0	See Appendix #3A
R5F100FEAFP#V0	See Appendix #3A
R5F100FFAFP#V0	See Appendix #3A
R5F100FGAFP#V0	See Appendix #3A
R5F100FGDFP#V0	See Appendix #3A
R5F100FJAFP#V0	See Appendix #3A
R5F100FLAFP#V0	See Appendix #3A
R5F100GCAFB#V0	See Appendix #3A
R5F100GEAFB#V0	See Appendix #3A
R5F100GEANA#U0	See Appendix #3A
R5F100GGAFB#V0	See Appendix #3A
R5F100GGANA#U0	See Appendix #3A
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R5F100GJDNA#U0	See Appendix #3A
R5F100GLAFB#V0	See Appendix #3A
R5F100GLANA#U0	See Appendix #3A
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R5F100JEAFA#V0	See Appendix #2B
R5F100JFAFA#V0	See Appendix #2B
R5F100JJAFA#V0	See Appendix #2B
R5F100JLAFA#V0	See Appendix #2B

R5F100LCAFA#V0	See Appendix #3A
R5F100LCAFB#V0	See Appendix #3A
R5F100LEAFA#V0	See Appendix #3A
R5F100LEAFB#V0	See Appendix #3A
R5F100LGAFB#V0	See Appendix #3A
R5F100LHABG#U0	See Appendix #3A
R5F100LHGFB#V0	See Appendix #3A
R5F100LJAFB#V0	See Appendix #3A
R5F100LJAFB#V0	See Appendix #3A
R5F100LLAFA#V0	See Appendix #3A
R5F100LLAFB#V0	See Appendix #3A
R5F100MFAFA#V0	See Appendix #3A
R5F100MGAFB#V0	See Appendix #3A
R5F100MJAFB#V0	See Appendix #3A
R5F100MJAFB#V0	See Appendix #3A
R5F100MLAFA#V0	See Appendix #3A
R5F100MLAFB#V0	See Appendix #3A
R5F100PFAFB#V0	See Appendix #3A
R5F100PJAFB#V0	See Appendix #3A
R5F100PJAFB#V0	See Appendix #3A
R5F100PLAFA#V0	See Appendix #3A
R5F100PLAFB#V0	See Appendix #3A
R5F100SLAFB#V0	See Appendix #3A
R5F1016AASP#V0	See Appendix #3A
R5F1016CASP#V0	See Appendix #3A
R5F1017AANA#U0	See Appendix #3A
R5F1017EANA#U0	See Appendix #3A
R5F101AEASP#V0	See Appendix #3A
R5F101EAANA#U0	See Appendix #3A
R5F101FAAFP#V0	See Appendix #3A
R5F101FHAFP#V0	See Appendix #3A
R5F101FJAFP#V0	See Appendix #3A
R5F101GFafb#V0	See Appendix #3A
R5F101LCAFA#V0	See Appendix #3A
R5F101LGAFB#V0	See Appendix #3A
R5F101LLAFB#V0	See Appendix #3A
R5F101MKAFB#V0	See Appendix #3A
R5F10277ANA#U0	See Appendix #3A
R5F10278ANA#U0	See Appendix #3A
R5F10279ANA#U0	See Appendix #3A
R5F1027AANA#U0	See Appendix #3A
R5F102A7ASP#V0	See Appendix #3A
R5F102A8ASP#V0	See Appendix #3A
R5F102A9ASP#V0	See Appendix #3A
R5F102AAASP#V0	See Appendix #3A
R5F10377ANA#U0	See Appendix #3A
R5F103AAASP#V0	See Appendix #3A

R5F104AAASP#V0	See Appendix #3A
R5F104ACASP#V0	See Appendix #3A
R5F104AEASP#V0	See Appendix #3A
R5F104AGASP#V0	See Appendix #3A
R5F104BAAFP#V0	See Appendix #2A
R5F104BCAFP#V0	See Appendix #2A
R5F104BEAFP#V0	See Appendix #2A
R5F104BEANA#U0	See Appendix #3A
R5F104BEGNA#U0	See Appendix #3A
R5F104BGAFP#V0	See Appendix #2A
R5F104CGALA#U0	See Appendix #3A
R5F104EEANA#U0	See Appendix #3A
R5F104EGANA#U0	See Appendix #3A
R5F104FAAFP#V0	See Appendix #3A
R5F104FEAFP#V0	See Appendix #3A
R5F104FFAFP#V0	See Appendix #3A
R5F104FGAFP#V0	See Appendix #3A
R5F104FJAFP#V0	See Appendix #3A
R5F104GAAFB#V0	See Appendix #3A
R5F104GCAFB#V0	See Appendix #3A
R5F104GEAFB#V0	See Appendix #3A
R5F104GGAFB#V0	See Appendix #3A
R5F104GJAFB#V0	See Appendix #3A
R5F104GLAFB#30	See Appendix #2A
R5F104JGAFB#V0	See Appendix #2B
R5F104JJAFB#V0	See Appendix #2B
R5F104LEAFB#V0	See Appendix #3A
R5F104LEAFP#V0	See Appendix #3A
R5F104LEALB#U0	See Appendix #3A
R5F104LGAFB#V0	See Appendix #3A
R5F104LGAFP#V0	See Appendix #2D
R5F104LGALA#U0	See Appendix #3A
R5F104LJAFB#V0	See Appendix #3A
R5F104LJAFP#V0	See Appendix #2D
R5F104LJALA#U0	See Appendix #3A
R5F104LLAFB#30	See Appendix #2B
R5F104MFAFB#V0	See Appendix #3A
R5F104MGAFB#V0	See Appendix #3A
R5F104MGAFP#V0	See Appendix #3A
R5F104MJAFB#V0	See Appendix #3A
R5F104MJAFP#V0	See Appendix #3A
R5F104PGAFB#V0	See Appendix #3A
R5F104PGAFP#V0	See Appendix #3A
R5F104PJAFB#V0	See Appendix #3A

R5F104PJAFB#V0	See Appendix #3A
R5F10RB8AFP#V0	See Appendix #2A
R5F10RBAAFP#V0	See Appendix #2A
R5F10RBCAFP#V0	See Appendix #2A
R5F10RJ8AFA#V0	See Appendix #2B
R5F10RJ8AFA#X0	See Appendix #1B
R5F10RJAAFA#V0	See Appendix #2B
R5F10RJCAFA#V0	See Appendix #2B
R5F10WLEAFB#30	See Appendix #2B
R5F10WLGAFB#30	See Appendix #2B
R5F10WMCAFB#30	See Appendix #2C
R5F10WMGAFB#30	See Appendix #2C
R5F110MJAFB#30	See Appendix #2C
R5F110PJAFB#30	See Appendix #2D
R5F111MJAFB#30	See Appendix #2C
R5F111PEAFB#30	See Appendix #2D
R5F111PFAFB#30	See Appendix #2D
R5F111PGAFB#30	See Appendix #2D
R5F111PJAFB#30	See Appendix #2D
R5F117GCGFB#30	See Appendix #2A
R5F11EB8AFP#30	See Appendix #2A
R5F11EBAAFP#30	See Appendix #2A
R5F21102FP#U0	See Appendix #2A & #3B
R5F21104FP#U0	See Appendix #2A & #3B
R5F21112FP#U0	See Appendix #2A & #3B
R5F21114DFP#U0	See Appendix #2A & #3B
R5F21114FP#U0	See Appendix #2A & #3B
R5F21134FP#U0	See Appendix #2A & #3B
R5F21206JFP#U1	See Appendix #2A
R5F2120CJFP#U0	See Appendix #2A
R5F21216JFP#U1	See Appendix #2A
R5F21216KFP#U1	See Appendix #2A
R5F21218JFP#U1	See Appendix #2A
R5F2121AJFP#U0	See Appendix #2A
R5F2121CJFP#U0	See Appendix #2A
R5F21226DFP#U0	See Appendix #2A
R5F21226JFP#U1	See Appendix #2A
R5F21228KFP#U1	See Appendix #2A
R5F2122CJFP#U0	See Appendix #2A
R5F21236DFP#U0	See Appendix #2A
R5F21236JFP#U1	See Appendix #2A
R5F21237DFP#U0	See Appendix #2A
R5F21238DFP#U0	See Appendix #2A
R5F21238JFP#U1	See Appendix #2A
R5F21238KFP#U1	See Appendix #2A
R5F2123AJFP#U0	See Appendix #2A
R5F2123AKFP#U0	See Appendix #2A

R5F2123CJFP#U0	See Appendix #2A
R5F2123CKFP#U0	See Appendix #2A
R5F21248SDFP#V2	See Appendix #2B
R5F21248SNFP#V2	See Appendix #2B
R5F21264JFP#U0	See Appendix #2A
R5F21266KFP#U0	See Appendix #2A
R5F21274JFP#U0	See Appendix #2A
R5F21274SNFP#V2	See Appendix #2A
R5F21276KFP#U0	See Appendix #2A
R5F212A8SDFP#V2	See Appendix #2B
R5F212B7SNFP#V2	See Appendix #2B
R5F212B8SDFP#V2	See Appendix #2B
R5F212F4NFP#U0	See Appendix #2A & #3B
R5F212G5SNFP#U0	See Appendix #2A & #3B
R5F21334TNFP#V2	See Appendix #2A
R5F21336TNFP#V2	See Appendix #2A
R5F21346CNFP#U0	See Appendix #2A & #3B
R5F21357CNFP#V0	See Appendix #2B
R5F2135CCNFP#V0	See Appendix #2B
R5F2135CMNFP#V0	See Appendix #2B
R5F21368CNFA#V0	See Appendix #2D
R5F21368CNFP#V0	See Appendix #2B
R5F2136CCNFP#V0	See Appendix #2B
R5F21387CNFP#V0	See Appendix #2C
R5F21388CNFP#V0	See Appendix #2C
R5F2138CCNFP#V0	See Appendix #2C
R5F2L357CNFP#30	See Appendix #2B
R5F2L387CNFP#30	See Appendix #2C
R5F2L3AACNFP#V0	See Appendix #2D
R5F2L3ACCNFP#V0	See Appendix #2D
R5F2L3ACMNFP#30	See Appendix #2D
R5F2LA67ANFP#30	See Appendix #2B
R5F2LA68ANFP#V0	See Appendix #2B
R5F363AEDFA#U0	See Appendix #3B & #4
R5F363AEDFB#U0	See Appendix #2D & #3B
R5F363AENFA#U0	See Appendix #3B & #4
R5F363AENFB#U0	See Appendix #2D & #3B
R5F363AKDFB#U0	See Appendix #2D & #3B
R5F363AMDFB#U0	See Appendix #2D & #3B
R5F363AMNFA#U0	See Appendix #3B
R5F363AMNFB#U0	See Appendix #2D & #3B
R5F3640DDFB#U0	See Appendix #2D & #3B
R5F3640DNFB#U0	See Appendix #2D & #3B
R5F364A6DFA#U0	See Appendix #3B
R5F364A6DFB#U0	See Appendix #2D & #3B
R5F364A6NFB#U0	See Appendix #2D & #3B
R5F364AEDFB#U0	See Appendix #2D & #3B

R5F364AENFA#U0	See Appendix #3B
R5F364AENFB#U0	See Appendix #2D & #3B
R5F364AENFB#V2	See Appendix #2D
R5F36506DFA#U0	See Appendix #3B
R5F36506DFB#30	See Appendix #2D
R5F3650EDFB#U0	See Appendix #2D & #3B
R5F3650ENFA#U0	See Appendix #3B
R5F3650KNFA#U0	See Appendix #3B
R5F3650NDFA#U0	See Appendix #3B
R5F3650NDFB#30	See Appendix #2D
R5F3650NDFB#U0	See Appendix #2D & #3B
R5F3650TDFA#U0	See Appendix #3B & #4
R5F3650TDFB#U0	See Appendix #2D & #3B
R5F3651EDFC#U0	See Appendix #3B & #4
R5F3651KDFC#U0	See Appendix #3B
R5F3651MDFC#U0	See Appendix #3B
R5F3651NDFC#U0	See Appendix #3B
R5F3651RDFC#U0	See Appendix #3B
R5F3651TDFC#U0	See Appendix #3B & #4
R5F3651TNFC#U0	See Appendix #3B & #4
R5F36CA6NFB#U0	See Appendix #2D & #3B
R5F36CAENFB#U0	See Appendix #2D & #3B
R5F36CAMDFB#U0	See Appendix #2D & #3B
R5F36CAMNFB#U0	See Appendix #2D, #3B, & #4
R5F51101ADFL#30	See Appendix #2A
R5F51111ADFK#30	See Appendix #2D
R5F51111ADFL#30	See Appendix #2A
R5F51113ADFK#30	See Appendix #2D
R5F51113ADFL#30	See Appendix #2A
R5F51113ADFM#30	See Appendix #2B
R5F51113ADFM#3A	See Appendix #2B
R5F51114ADFK#30	See Appendix #2D
R5F51114ADFK#3A	See Appendix #2D
R5F51114ADFL#30	See Appendix #2A
R5F51114ADFM#30	See Appendix #2B
R5F51115ADFK#30	See Appendix #2D
R5F51115ADFK#3A	See Appendix #2D
R5F51115ADFL#30	See Appendix #2A
R5F51115ADFL#3A	See Appendix #2A
R5F51115ADFM#30	See Appendix #2B
R5F51115ADFM#3A	See Appendix #2B
R5F5111JADFK#30	See Appendix #2D
R5F5111JADFL#30	See Appendix #2A
R5F51135ADFP#3A	See Appendix #2D
R5F51136ADFM#3A	See Appendix #2B
R5F51136ADFP#3A	See Appendix #2D
R5F51138ADFM#3A	See Appendix #2B

R5F51138ADFP#3A	See Appendix #2D
R5F52103BDFL#30	See Appendix #2A
R5F52103BDFM#30	See Appendix #2B
R5F52104BDFL#30	See Appendix #2A
R5F52105BDFL#30	See Appendix #2A
R5F52105BDFM#30	See Appendix #2B
R5F52105BDFN#30	See Appendix #2C
R5F52105BDFP#30	See Appendix #2D
R5F52106BDF#V0	See Appendix #2D
R5F52106BDFL#30	See Appendix #2A
R5F52106BDFM#30	See Appendix #2B
R5F52106BDFM#V0	See Appendix #2B
R5F52106BDFN#30	See Appendix #2C
R5F52106BDFN#V0	See Appendix #2C
R5F52106BDFP#30	See Appendix #2D
R5F52107CDFN#30	See Appendix #2C
R5F52108CDFF#V0	See Appendix #2D
R5F52108CDFM#30	See Appendix #2B
R5F52108CDFM#V0	See Appendix #2B
R5F52108CDFN#30	See Appendix #2C
R5F52108CDFP#30	See Appendix #2D
R5F5210ABDFP#30	See Appendix #2D
R5F5210ABDFP#V0	See Appendix #2D
R5F5210BBDFB#30	See Appendix #2F
R5F5210BBDFP#30	See Appendix #2D
R5F52201BDFL#V0	See Appendix #2A
R5F52203BDFL#30	See Appendix #2A
R5F52205BDFL#30	See Appendix #2A
R5F52206BDFL#V0	See Appendix #2A
R5F52206BDFM#30	See Appendix #2B
R5F52206BDFM#V0	See Appendix #2B
R5F52206BDFP#30	See Appendix #2D
R5F52206BDFP#V0	See Appendix #2D
R5F56104VDFP#V0	See Appendix #2F
R5F56104VNFP#V0	See Appendix #2F
R5F56106VDFP#V0	See Appendix #2F
R5F56107VNFP#V0	See Appendix #2F
R5F56108VDFP#V0	See Appendix #2F
R5F56108VNFP#V0	See Appendix #2F
R5F56108WDBG#U0	See Appendix #4
R5F56108WNBG#U0	See Appendix #4
R5F56216BDBG#U0	See Appendix #4
R5F56216BDFB#V0	See Appendix #2F
R5F56216BDFP#V0	See Appendix #2D & #4
R5F56217BDBG#U0	See Appendix #4
R5F56217BDFB#V0	See Appendix #2F
R5F56217BDFP#V0	See Appendix #2D & #4

R5F56218BDBG#U0	See Appendix #4
R5F56218BDFB#V0	See Appendix #2F
R5F56218BDFP#V0	See Appendix #2D & #4
R5F562GAADFH#V1	See Appendix #2F & #4
R5F562GADDFP#V3	See Appendix #2D
R5F562N7ADBG#U0	See Appendix #4
R5F562N7ADFB#V0	See Appendix #2F
R5F562N7BDFB#V0	See Appendix #2F
R5F562N7BDFP#V0	See Appendix #2D & #4
R5F562N8ADBG#U0	See Appendix #4
R5F562N8ADFB#V0	See Appendix #2F
R5F562N8ADFP#V0	See Appendix #2D & #4
R5F562N8BDBG#U0	See Appendix #4
R5F562N8BDFB#V0	See Appendix #2F
R5F562N8BDFP#V0	See Appendix #2D & #4
R5F562T6DDFM#V3	See Appendix #2B & #4
R5F562T7DDFF#V3	See Appendix #2D & #4
R5F562T7DDFM#V3	See Appendix #2B
R5F562T7DDFP#V3	See Appendix #2D & #4
R5F562TAADFF#V1	See Appendix #2D & #4
R5F562TAADFH#V3	See Appendix #2F
R5F562TAADFP#V1	See Appendix #2D & #4
R5F562TABDFK#V1	See Appendix #2D
R5F562TABDFP#V3	See Appendix #2D & #4
R5F562TADDF#V3	See Appendix #2D & #4
R5F562TADDFH#V3	See Appendix #2F & #4
R5F562TADDFM#V3	See Appendix #2B & #4
R5F562TADDFP#V3	See Appendix #2D & #4
R5F562TAEDFF#V3	See Appendix #2D
R5F562TAEDFM#V1	See Appendix #2B & #4
R5F562TAEDFM#V3	See Appendix #2B
R5F562TAEDFP#V3	See Appendix #2D & #4
R5F56308DDFP#V0	See Appendix #2D
R5F5630ADDFB#V0	See Appendix #2F
R5F5630ADDFP#V0	See Appendix #2D
R5F5630BDDFB#V0	See Appendix #2F
R5F5630DCDFB#V0	See Appendix #2F
R5F5630DCDFC#V0	See Appendix #2G
R5F5630EDDFB#V0	See Appendix #2F
R5F5630EDDFC#V0	See Appendix #2G
R5F5630EDDFP#V0	See Appendix #2D
R5F56316CDFB#V0	See Appendix #2F
R5F56316CDFP#V0	See Appendix #2D
R5F56316DDFP#V0	See Appendix #2D
R5F56318DDFB#V0	See Appendix #2F
R5F5631BCDFB#V0	See Appendix #2F
R5F5631BCDFC#V0	See Appendix #2G

R5F5631BCDFP#V0	See Appendix #2D
R5F5631BDDBG#U0	See Appendix #4
R5F5631BDDFC#V0	See Appendix #2G
R5F5631BDDFP#V0	See Appendix #2D
R5F5631ECDFB#V0	See Appendix #2F
R5F5631EDDFB#V0	See Appendix #2F
R5F5631EDDFC#V0	See Appendix #2G
R5F5631EDDFP#V0	See Appendix #2D
R5F5631FDDFB#V0	See Appendix #2F
R5F5631FDDFC#V0	See Appendix #2G
R5F5631FHDFB#V0	See Appendix #2F
R5F5631MCDFL#V0	See Appendix #2A
R5F5631MDDFL#V0	See Appendix #2A
R5F5631MDDFM#V0	See Appendix #2B
R5F5631PCDFM#V0	See Appendix #2B
R5F5631PDDFL#V0	See Appendix #2A
R5F5631PDDFM#V0	See Appendix #2B
R5F5631WHDFP#V0	See Appendix #2D
R5F5631YDDFB#V0	See Appendix #2F
R5F5631YDDFP#V0	See Appendix #2D
R5F563NACDFB#V0	See Appendix #2F
R5F563NACDFP#V0	See Appendix #2D
R5F563NADDBG#U0	See Appendix #4
R5F563NBCDFB#V0	See Appendix #2F
R5F563NBCDFC#V0	See Appendix #2G
R5F563NBCDFP#V0	See Appendix #2D
R5F563NBDDFB#V0	See Appendix #2F
R5F563NBDDFP#V0	See Appendix #2D
R5F563NECDBG#U0	See Appendix #4
R5F563NEDDBG#U0	See Appendix #4
R5F563NEDDFB#V0	See Appendix #2F
R5F563NEDDFC#V0	See Appendix #2G
R5F563NEDDFP#V0	See Appendix #2D
R5F563NFDDFB#V0	See Appendix #2F
R5F563NFDDFC#V0	See Appendix #2G
R5F563NFDDFP#V0	See Appendix #2D
R5F563NFHDFB#V0	See Appendix #2F
R5F563NYDDFB#V0	See Appendix #2F
R5F563NYDDFP#V0	See Appendix #2D
R5F563T4EDFL#V0	See Appendix #2A
R5F563T6EDFL#V0	See Appendix #2A
R5F563T6EDFM#V0	See Appendix #2B
R5F563TBADFP#V0	See Appendix #2D
R5F563TBDDFP#V0	See Appendix #2D
R5F563TEADFB#V0	See Appendix #2F
R5F563TEADFB#V1	See Appendix #2F
R5F563TEADFP#V0	See Appendix #2D

R5F563TEBDFA#V0	See Appendix #4
R5F563TEDDFB#V0	See Appendix #2F
R5F564MFCDFC#V1	See Appendix #2G & #4
R5F564MFCDFP#V1	See Appendix #2D
R5F564MLDDFB#V1	See Appendix #2F
R5F564MLDDFC#V1	See Appendix #2G & #4
R5F564MLDDFP#V1	See Appendix #2D
R5F564MLHDFC#V1	See Appendix #2G
R5F571MLDDFC#V0	See Appendix #2G & #4
R5F61662N50FPV	See Appendix #2F
R5F61665MZN50FPV	See Appendix #2F
R5F61665N50FPV	See Appendix #2F
R5F61668RD50FPV	See Appendix #2F
R5F61668RN50FPV	See Appendix #2F
R5F64110DFB#U0	See Appendix #2D, #3B, & #4
R5F64112DFB#U0	See Appendix #2D, #3B, & #4
R5F64112NLG#U0	See Appendix #3B & #4
R5F64114DFB#U0	See Appendix #2D, #3B, & #4
R5F64116DFB#U0	See Appendix #2D, #3B, & #4
R5F6411EDFN#UA	See Appendix #2B
R5F6411FDNF#UA	See Appendix #2B
R5F6411FNLG#U0	See Appendix #3B & #4
R5F64167DFB#U0	See Appendix #4
R5F64169DFB#U0	See Appendix #2D, #3B, & #4
R5F64169DFB#UB	See Appendix #2D, #3B, & #4
R5F64169DFD#U0	See Appendix #2F, #3B, & #4
R5F64169DFD#UB	See Appendix #2F, #3B, & #4
R5F64175DFB#U0	See Appendix #2D, #3B, & #4
R5F64175DFD#U0	See Appendix #2F, #3B, & #4
R5F64176DFB#U0	See Appendix #2D, #3B, & #4
R5F64176DFB#UB	See Appendix #2D, #3B, & #4
R5F64185DFB#U0	See Appendix #2D, #3B, & #4
R5F64189DFB#U0	See Appendix #2D & #3B
R5F64189DFB#UB	See Appendix #4
R5F64189DFD#U0	See Appendix #2F, #3B, & #4
R5F64189DFD#UB	See Appendix #2F, #3B, & #4
R5F72165ADFP#V1	See Appendix #2G
R5F72167ADFA#V1	See Appendix #2F
R5F72167ADFP#V1	See Appendix #2G
R5F72865N100FP#U2	See Appendix #2G
R5F72866D100FP#U2	See Appendix #2G
R5F72867N100FA#U2	See Appendix #2F
R5F72867N100FP#U2	See Appendix #2G
R5S72620P144FP#UZ	See Appendix #2G
R5S72620W144FP#U0	See Appendix #2G
R5S72621P144FP#UZ	See Appendix #2G
R5S72621W144FP#U0	See Appendix #2G

R5S72624W144FP#U0	See Appendix #2G
R5S72660W144FP#V0	See Appendix #2F
R5S726B0D216FP#V0	See Appendix #2F
R5S76700B200BG	See Appendix #4
R5S77630AY266BGV	See Appendix #4
R5S77632AY266BGV	See Appendix #4
R5S77640N300BG	See Appendix #4
R7FS7G27H3A01CFC#AA0	See Appendix #2G & #4
R7S721020VCFP#AA1	See Appendix #2G
R8A66593FP#R1	See Appendix #2B
UPD70F3452GC(R)-UBT-A	See Appendix #3A
UPD70F3742GC-UEU-AX	See Appendix #3A
UPD70F3762GC-UEU-AX	See Appendix #3A
UPD70F3794GC-UEU-AX	See Appendix #3A
UPD720101F1-EA8-A	See Appendix #3A
UPD720201K8-701-BAC-A	See Appendix #3A
UPD720201K8-711-BAC-A	See Appendix #3A
UPD720202K8-701-BAA-A	See Appendix #3A