



<b>Title of Change:</b>	2Q2018 Product Discontinuance
<b>Last Time Buy Date:</b>	26 January 2019
<b>Last Ship Date:</b>	26 July 2019
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or <PCN.Support@onsemi.com >
<b>Type of notification:</b>	Customers must notify ON Semiconductor (<PCN.Support@onsemi.com >) in writing within 90 days of receipt of this notification if they consider the discontinued product to be "Sole Source." ON Semiconductor and the customer may negotiate an appropriate End-of-Life.

#### Description and Purpose:

In an attempt to minimize the number and frequency of product discontinuance notices to its customers, ON Semiconductor is publishing this quarterly product discontinuance notification.

Some of the devices contained in this notice may be part of a product portfolio renewal process or a manufacturing facility closure. ON Semiconductor continually monitors worldwide sales and billings activities on all the products offered to its customers.

The activity for the products on the attached device list has declined to a level that warrants the discontinuance of these products or the manufacturing facility has been announced for a closure. Some devices may have an alternate standard device or a suggested replacement as an alternative solution.

ON Semiconductor wishes to promptly inform our customer of our intent to exit this small portion of our overall portfolio so that you may plan appropriately and effectively for replacement devices.

ON Semiconductor has provided a list of replacement devices, where available, to aid in this process.

For those devices that have no recommended replacement identified, ON Semiconductor has partnered with Rochester Electronics who will carry any remaining device inventory.

PLEASE NOTE: ON Semiconductor may implement minimum order quantities or dollar amounts based on inventories available. Also, Devices on this Product Discontinuance become NCNR (Non-Cancelable, Non-Returnable).

For questions or concerns regarding this notification, please contact your local sales office or customer service representative.

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NOTE: UPON PUBLICATION OF THIS DISCONTINUANCE NOTICE, ON SEMICONDUCTOR ALLOWS SIX (6) MONTHS FROM THE NOTICE DATE TO PLACE FINAL LIFETIME PURCHASE ORDERS. ACCEPTANCE IS SUBJECT TO REASONABLE ORDER QUANTITIES, PRODUCT AVAILABILITY AND ALL OTHER APPLICABLE TERMS AND CONDITIONS

NOTE: TO ALLOW AN ORDERLY EXIT FROM THE MARKET, PRODUCT SHALL NOT BE DELIVERED AFTER TWELVE (12) MONTHS BEYOND THE ANNOUNCEMENT DATE.

**List of Affected Parts attached:**

**See attached list:**

*To view attachments:*

1. *Download pdf copy of the PCN to your computer*
2. *Open the downloaded pdf copy of the PCN*
3. *Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field*
4. *Then click on the attached file/s*

**NOTE:**

*Please be informed that there may be Customer Specific parts impacted by this Notification, thus MPN & CPN info will not be reflected in the parts list of this Generic document. Instead please click the link to the addendum PDN copy provided in the email notification to see full list of affected products specific to your company.*



**Appendix A: Changed Products**

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Product	Customer Part Number	Replacement Parts	Replacement Suppliers
2SA1419S-TD-H		2SA1419S-TD-E	ON SEMICONDUCTOR
2SB1124S-TD-H		2SB1124S-TD-E	ON SEMICONDUCTOR
2SB1203T-H		2SB1203T-TL-E	ON SEMICONDUCTOR
2SB1203T-TL-H		2SB1203T-TL-E	ON SEMICONDUCTOR
2SB1215S-H		2SB1215S-E	ON SEMICONDUCTOR
2SB1215T-TL-H		2SB1215S-TL-E	ON SEMICONDUCTOR
2SB1216S-H		2SB1216S-E	ON SEMICONDUCTOR
2SB1216S-TL-H		2SB1216S-TL-E	ON SEMICONDUCTOR
2SB1216T-TL-H		2SB1216S-TL-E	ON SEMICONDUCTOR
2SC4853A-4-TL-E		2SC5245A-4-TL-E	ON SEMICONDUCTOR
2SD1618S-TD-E		2SD1618T-TD-E	ON SEMICONDUCTOR
2SD1803S-TL-H		2SD1803S-TL-E	ON SEMICONDUCTOR
2SD1816T-H		2SD1816S-E	ON SEMICONDUCTOR
30C02MH-TL-H		30C02MH-TL-E	ON SEMICONDUCTOR
EFC4612R-TR		EFC3J018NUZTDG	ON SEMICONDUCTOR
LC450210PCH-T3		#NONE	#NA
LC709201F02RD-TE-L-H		#NONE	#NA
LC823430TA-2H		#NONE	#NA
LC87F2H08AVUEBNE		LC87F2H08AU-EB-2E	ON SEMICONDUCTOR
LE25U40CMCS00-AH		LE25U40CMDTWG	ON SEMICONDUCTOR
LM239NG		LM239DR2G	ON SEMICONDUCTOR
LM258NG		LM258DR2G	ON SEMICONDUCTOR



LM2901VNG		LM2901VDR2G	ON SEMICONDUCTOR
LM2902NG		LM2902DR2G	ON SEMICONDUCTOR
LM2902VNG		LM2902VDR2G	ON SEMICONDUCTOR
LM833NG		LM833DR2G	ON SEMICONDUCTOR
LV5684PVC-XH		LV5684NPVD-XH	ON SEMICONDUCTOR
MC1413BPG		MC1413BDR2G	ON SEMICONDUCTOR
MC1413PG		MC1413DR2G	ON SEMICONDUCTOR
MC33072APG		MC33072ADR2G	ON SEMICONDUCTOR
MC33074PG		MC33074DR2G	ON SEMICONDUCTOR
MC33078PG		MC33078DR2G	ON SEMICONDUCTOR
MC34072VPG		MC34072VDR2G	ON SEMICONDUCTOR
MC34074APG		MC34074ADR2G	ON SEMICONDUCTOR
MC34074PG		MC34074DR2G	ON SEMICONDUCTOR
MC34074VPG		MC34074VDR2G	ON SEMICONDUCTOR
MC78FC30HT1G		RH5RE30AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78FC40HT1G		RH5RE40AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78FC50HT1G		RH5RE50AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78LC30HT1G		RH5RL30AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78LC33HT1G		RH5RL33AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78LC40HT1G		RH5RL40AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78LC50HT1G		RH5RL50AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78PC18NTRG		R1111N181B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78PC25NTRG		R1111N251B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78PC30NTRG		R1111N301B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78PC50NTRG		R1111N501B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
			#NA



MCH6121-TL-H		#NONE	
MCH6123-TL-E		#NONE	#NA
NCL30080ASNT1G		NCL30288BSNT1G	ON SEMICONDUCTOR
NCL30080BSNT1G		NCL30288BSNT1G	ON SEMICONDUCTOR
NCP1650DR2G		NCP1654BD65R2G	ON SEMICONDUCTOR
NCP1850FCCT1G		FAN54005	ON SEMICONDUCTOR
NCP1851BFCCT1G		#NONE	#NA
NCP1854FCCT1G		#NONE	#NA
NCP1855FCCT1G		#NONE	#NA
NCP2860DMADJR2G		#NONE	#NA
NCP2993FCT2G		#NONE	#NA
NCP391FCCADT2G		#NONE	#NA
NCP392ARFCCT1G		#NONE	#NA
NCP392BRFCCT1G		#NONE	#NA
NCP392CRFCCT1G		#NONE	#NA
NCP392CSFCCT1G		#NONE	#NA
NCP392DRFCCT1G		#NONE	#NA
NCP4303AMNTWG		NCP4305DMNTWG	ON SEMICONDUCTOR
NCP4303BDR2G		NCP4306AAAZZADR2G	ON SEMICONDUCTOR
NCP4303BMNTWG		NCP4305DMNTWG	ON SEMICONDUCTOR
NCP4355ADR2G		NCP4353ASNT1G	ON SEMICONDUCTOR
NCP4355BDR2G		NCP4353BSNT1G	ON SEMICONDUCTOR
NCP439FCT2G		#NONE	#NA
NCP456RFCCT2G		#NONE	#NA
NCP457FCT2G		#NONE	#NA
NCP4586DMU12TCG		RP130K121D-TR	RICOH ELECTRONIC DEVICES CO., LTD.



NCP4586DMU25TCG		RP130K251D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DMU33TCG		RP130K331D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DMU50TCG		RP130K501D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DSN28T1G		RP130N281D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DSN30T1G		RP130N301D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DSN33T1G		RP130N331D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DSN50T1G		RP130N501D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DSQ33T1G		RP130Q331D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4586DSQ50T1G		RP130Q501D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4587DMX12TCG		RP201K121D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4587DMX18TCG		RP201K181D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4587DMX28TCG		RP201K281D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4587DMX30TCG		RP201K301D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4587DMX33TCG		RP201K331D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4588DSQ10T1G		RP107Q102D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4588DSQ15T1G		RP107Q152D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DMX12TCG		RP200K121D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DMX18TCG		RP200K181D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DMX28TCG		RP200K281D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DMX33TCG		RP200K331D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DSN12T1G		RP200N121D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DSN25T1G		RP200N251D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DSN30T1G		RP200N301D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4589DSN33T1G		RP200N331D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP459FCT2G		#NONE	#NA



NCP4620DSN30T1G		RP171N301D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4620DSN33T1G		RP171N331D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4620DSN50T1G		RP171N501D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4620HSN33T1G		RP171N331B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4620HSN50T1G		RP171N501B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4623HMX033TCG		R1154L033B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4623HMX050TCG		R1154L050B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4623HMXADJTCG		R1154L001C-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4623HSN050T1G		R1154N050B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4623HSN100T1G		R1154N100B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4623HSN120T1G		R1154N120B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4623HSNADJT1G		R1154N001C-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4624DMU30TCG		RP173K301D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4624DMU50TCG		RP173K501D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4624DSN33T1G		RP173N331D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4624DSN50T1G		RP173N501D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4624DSQ33T1G		RP173Q332D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625DSN12T1G		RP170N121D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625DSN28T1G		RP170N281D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625DSN30T1G		RP170N301D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625DSN33T1G		RP170N331D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625DSN50T1G		RP170N501D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625HSN28T1G		RP170N281B?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625HSN30T1G		RP170N301B?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4625HSN33T1G		RP170N331B?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
			RICOH ELECTRONIC DEVICES CO., LTD.



NCP4625HSN50T1G		RP170N501B?TR?FE	LTD.
NCP4626DMX050TCG		R1191L050D?TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4626DSN033T1G		R1191N033D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4626DSN050T1G		R1191N050D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4632BDT08T5G		RP108J081B	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4632DDT08T5G		RP108J081D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4632DDT15T5G		RP108J151D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4632DDTADJT5G		RP108J081D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4640H020T1G		R1515H020B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4640H030T1G		R1515H030B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4640H033T1G		R1515H033B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4640H080T1G		R1515H080B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4641H030T1G		R1514H030B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4641H033T1G		R1514H033B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4641H050T1G		R1514H050B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4641H080T1G		R1514H080B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4671DSN06T1G		RP105N061D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4671DSN09T1G		RP105N091D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4671DSN10T1G		RP105N101D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4671DSN12T1G		RP105N121D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4671DSN13T1G		RP105N131D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4671DSN15T1G		RP105N151D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4680DMX18TCG		RP109K181D-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4680DSQ09T1G		RP109Q092D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4680DSQ12T1G		RP109Q122D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4680DSQ15T1G		RP109Q152D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.





NCP4680DSQ18T1G		RP109Q182D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4680DSQ25T1G		RP109Q252D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4680DSQ30T1G		RP109Q302D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4680DSQ33T1G		RP109Q332D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4681DMX29TCG		RP110K291D?TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4681DMX33TCG		RP110K331D?TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4681DSQ15T1G		RP110Q152D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4681DSQ25T1G		RP110Q252D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4681DSQ28T1G		RP110Q282D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4681DSQ33T1G		RP110Q332D?TR?FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4681HMX35TCG		RP110K351B?TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4682DMU12TCG		RP104K121D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X120TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DMU15TCG		RP104K151D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X150TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DMU18TCG		RP104K181D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X180TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DMU25TCG		RP104K251D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X250TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DMU28TCG		RP104K281D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X280TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DMU30TCG		RP104K301D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X300TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DMU33TCG		RP104K331D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X330TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DSN30T1G		RP104N301D - RICOH ELECTRONIC DEVICES CO., LTD. NCP114ASN30 0T1G - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682DSN33T1G		RP104N331D - RICOH ELECTRONIC DEVICES CO., LTD. NCP114ASN33 0T1G - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682HMU18TCG		RP104K181B-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114BM X180TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4682HMU33TCG		RP104K331B-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114BM X330TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4683DMU12TCG		RP114K121D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X120TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4683DMU185TCG		RP114K181D5-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X185TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4683DMU18TCG		RP114K181D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X180TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR



NCP4683DMU285TCG		RP114K281D5-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114A MX285TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4683DMU31TCG		RP114K311D-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114AM X310TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4683DSQ28T1G		RP114Q282D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4683DSQ33T1G		RP114Q332D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4683HMU12TCG		RP114K121B-TR - RICOH ELECTRONIC DEVICES CO., LTD. NCP114BM X120TCG - ON SEMICONDUCTOR	RICOH ELECTRONIC DEVICES CO., LTD. ON SEMICONDUCTOR
NCP4685EMU30TCG		RP104K301C-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4687DH12T1G		RP111H121D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4687DH15T1G		RP111H151D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4687DH25T1G		RP111H251D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4687DH33T1G		RP111H331D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4687DSN18T1G		RP111N181D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4687DSN25T1G		RP111N251D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4687DSN28T1G		RP111N281D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DMU12TCG		RP112K121D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DMU15TCG		RP112K151D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DMU18TCG		RP112K181D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DMU28TCG		RP112K281D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DMU33TCG		RP112K331D	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DSN12T1G		RP112N121D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DSN15T1G		RP112N151D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DSN25T1G		RP112N251D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DSN28T1G		RP112N281D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4688DSN33T1G		RP112N331D-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582DSQ15T1G		R1114Q151D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582DSQ18T1G		R1114Q181D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
			RICOH ELECTRONIC DEVICES CO., LTD.



NCP582DSQ28T1G		R1114Q281D-TR-FE	LTD.
NCP582DSQ30T1G		R1114Q301D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582DSQ33T1G		R1114Q331D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582DXV29T2G		R1114D291D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582DXV30T2G		R1114D301D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582LSQ25T1G		R1114Q251A-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582LSQ30T1G		R1114Q301A-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP582LSQ33T1G		R1114Q331A-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583SQ15T1G		R1180Q151B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583SQ18T1G		R1180Q181B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583SQ25T1G		R1180Q251B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583SQ28T1G		R1180Q281B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583SQ30T1G		R1180Q301B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583SQ33T1G		R1180Q331B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583XV15T2G		R1180D151B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583XV18T2G		R1180D181B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583XV25T2G		R1180D251B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583XV28T2G		R1180D281B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583XV30T2G		R1180D301B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN09T1G		R1160N091B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN12T1G		R1160N121B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN15T1G		R1160N151B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN18T1G		R1160N181B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN25T1G		R1160N251B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN26T1G		R1160N261B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN28T1G		R1160N281B-TR	RICOH ELECTRONIC DEVICES CO., LTD.



NCP584HSN30T1G		R1160N301B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN31T1G		R1160N311B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584HSN33T1G		R1160N331B-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584LSN12T1G		R1160N121A-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP584LSN18T1G		R1160N181A-TR	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585DSN12T1G		R1161N121D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585DSN15T1G		R1161N151D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585DSN18T1G		R1161N181D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585DSN25T1G		R1161N251D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585DSN33T1G		R1161N331D-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585HSN09T1G		R1161N091B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585HSN10T1G		R1161N101B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585HSN12T1G		R1161N121B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585HSN18T1G		R1161N181B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585LSN12T1G		R1161N121A-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP585LSN18T1G		R1161N181A-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP6335FFCT1G		#NONE	#NA
NCP6335FFCT2G		#NONE	#NA
NCP6335GFCCT1G		#NONE	#NA
NCP6336FCCT1G		#NONE	#NA
NCP6343AFCCT1G		#NONE	#NA
NCP6343DFCCT1G		#NONE	#NA
NCP6356BFCCT1G		#NONE	#NA
NCP6356BWFCT1G		#NONE	#NA
NCP6361AFCCT1G		#NONE	#NA



NCP6925AFCT1G		#NONE	#NA
NCP6925AFCT2G		#NONE	#NA
NCP6925BFCT2G		#NONE	#NA
NCP693DMN10TCG		RP131K101D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP693DMN33TCG		RP131K331D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694D10HT1G		R1173H101D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694D25HT1G		R1173H251D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694D33HT1G		R1173H331D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694DADJHT1G		R1173H001D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694DSAN33T1G		R1173D331D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694DSANADJT1G		R1173D001D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694H10HT1G		R1173H101B-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694H12HT1G		R1173H121B-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694H25HT1G		R1173H251B-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694H33HT1G		R1173H331B-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694HADJHT1G		R1173H001B-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694HSAN33T1G		R1173D331B-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694HSANADJT1G		R1173D001B-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP6951BFCCT1G		#NONE	#NA
NL3HS644BFCTAG		FSA644BUCX	ON SEMICONDUCTOR
NL3HS644FCTAG		FSA644UCX	ON SEMICONDUCTOR
NLAS54404FCTAG		#NONE	#NA
NLU3G14MUTAG		#NONE	#NA
NLU3G16MUTAG		#NONE	#NA
NLU3G17MUTAG		#NONE	#NA
			ON SEMICONDUCTOR



NOIP1FN012KA-GDI		NOIP1FN012KA-GTI	
NOIP1FN016KA-GDI		NOIP1FN016KA-GTI	ON SEMICONDUCTOR
NOIP1FN025KA-GDI		NOIP1FN025KA-GTI	ON SEMICONDUCTOR
NOIP1SE012KA-GDI		NOIP1SE012KA-GTI	ON SEMICONDUCTOR
NOIP1SE016KA-GDI		NOIP1SE016KA-GTI	ON SEMICONDUCTOR
NOIP1SE025KA-GDI		NOIP1SE025KA-GTI	ON SEMICONDUCTOR
NOIP1SN012KA-GDI		NOIP1SN012KA-GTI	ON SEMICONDUCTOR
NOIP1SN016KA-GDI		NOIP1SN016KA-GTI	ON SEMICONDUCTOR
NOIP1SN025KA-GDI		NOIP1SN025KA-GTI	ON SEMICONDUCTOR
NOIV1SE012KA-GDI		NOIV1SE012KA-GTI	ON SEMICONDUCTOR
NOIV1SE016KA-GDI		NOIV1SE016KA-GTI	ON SEMICONDUCTOR
NOIV1SE025KA-GDC		NOIV1SE025KA-GTI	ON SEMICONDUCTOR
NOIV1SN012KA-GDI		NOIV1SN012KA-GTI	ON SEMICONDUCTOR
NOIV1SN016KA-GDI		NOIV1SN016KA-GTI	ON SEMICONDUCTOR
NOIV1SN025KA-GDC		NOIV1SN025KA-GTI	ON SEMICONDUCTOR
NTLUF4189NZTAG		#NONE	#NA
NTMFS4C50NT3G		NTMFS4C10NT3G	ON SEMICONDUCTOR
NTMFS4C53NT1G		NTMFS4C13NT1G	ON SEMICONDUCTOR
NTMFS4C53NT3G		NTMFS4C13NT3G	ON SEMICONDUCTOR
NTMFS4C56NT1G		NTMFS4C06NT1G	ON SEMICONDUCTOR
NTMFS4C56NT3G		NTMFS4C06NT3G	ON SEMICONDUCTOR
NTMFS4C58NT1G		NTMFS4C08NT1G	ON SEMICONDUCTOR
NTMFS4C58NT3G		NTMFS4C08NT3G	ON SEMICONDUCTOR
NTTFS4C53NTAG		NTTFS4C13NTAG	ON SEMICONDUCTOR
NTTFS4C53NTWG		NTTFS4C13NTWG	ON SEMICONDUCTOR
NTTFS4C55NTAG		NTTFS4C05NTAG	ON SEMICONDUCTOR



NTTFS4C55NTWG		NTTFS4C05NTWG	ON SEMICONDUCTOR
NTTFS4C56NTAG		NTTFS4C06NTAG	ON SEMICONDUCTOR
NTTFS4C56NTWG		NTTFS4C06NTWG	ON SEMICONDUCTOR
RD0106T-H		#NONE	#NA
RD0106T-TL-H		#NONE	#NA
RD0506T-TL-H		MURHD560	ON SEMICONDUCTOR
SB80W06T-H		MBRD660CT	ON SEMICONDUCTOR
SBE805-S-TL-W		SBE805-TL-W	ON SEMICONDUCTOR
STK5Q4U361J-E		STK5Q4U362J-E	ON SEMICONDUCTOR
SVC710-TL-E		#NONE	#NA
TCA0372BDP1G		TCA0372BDWR2G	ON SEMICONDUCTOR
TCA0372DP1G		TCA0372DWR2G	ON SEMICONDUCTOR
UD0506T-H		RURD660S9A-F085	ON SEMICONDUCTOR