



<b>Title of Change:</b>	2Q2018 Product Discontinuance
<b>Last Time Buy Date:</b>	12 July 2019
<b>Last Ship Date:</b>	12 July 2020
<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 12 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 24 MONTHS BEYOND THE ANNOUNCEMENT DATE.



## List of Affected Parts attached:

ON Device	Replacement Device	Replacement Device Supplier
CAT93C56LI-G	#None	#NA
CAT93C86LI-G	#None	#NA
NVD6415ANLT4G	FDD3682-F085	ON Semiconductor
NVD5802NT4G	FDD9410-F085	ON Semiconductor
FDG6303N-F169	FDG6303N	ON Semiconductor
LM224NG	LM224DR2G	ON Semiconductor
LM2901NG	LM2901DR2G	ON Semiconductor
LM2903NG	LM2903DR2G	ON Semiconductor
LM2904NG	LM2904DR2G	ON Semiconductor
LM2904VNG	LM2904VDR2G	ON Semiconductor
LM324NG	LM324DR2G	ON Semiconductor
LM339NG	LM339DR2G	ON Semiconductor
LM358NG	LM358DR2G	ON Semiconductor
LM393NG	LM393DR2G	ON Semiconductor
MC33072PG	MC33072DR2G	ON Semiconductor
MC33074APG	MC33074ADR2G	ON Semiconductor
MC33079PG	MC33079DR2G	ON Semiconductor
MC34072APG	MC34072ADR2G	ON Semiconductor
MC34072PG	MC34072DR2G	ON Semiconductor
MMBT2907A	MMBT2907ALT1G	ON Semiconductor
NC7S86M5	NC7S86M5X	ON Semiconductor
NC7SZ32M5	NC7SZ32M5X	ON Semiconductor
NTDV20P06LT4G	NVATS5A113PL	ON Semiconductor
NVD4804NT4G	NVD4C05N	ON Semiconductor
NVD4806NT4G	NVD4C05N	ON Semiconductor
NVD5890NT4G	NVD5C446N	ON Semiconductor
NVD5890NLT4G	NVD5C454NL	ON Semiconductor
STD5406NT4G	NVD5C478N	ON Semiconductor
NVD5805NT4G	NVD5C478NL	ON Semiconductor
SSVD5804NT4G	NVD5C478NL	ON Semiconductor
STD5407NT4G	NVD5C486N	ON Semiconductor
NVD5484NLT4G	NVD5C684NL	ON Semiconductor
NTDV20N06LT4G	NVD5C688NL	ON Semiconductor
NVD5414NT4G	NVD5C688NL	ON Semiconductor
NVD5490NLT4G	NVD5C688NL	ON Semiconductor
NVD5867NLT4G	NVD5C688NL	ON Semiconductor
STD24N06LT4G	NVD5C688NL	ON Semiconductor
MC78PC33NTRG	R1111N331B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694D12HT1G	R1173H121D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583XV33T2G	R1180D331B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4640H120T1G	R1515H120B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78FC33HT1G	RH5RE33AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP4632DDT33T5G	RP108J331D	RICOH ELECTRONIC DEVICES CO., LTD.



## Appendix A: Changed Products

Product	Customer Part Number	Replacement Parts	Replacement Suppliers
CAT93C56LI-G	CAT93C56LI-G-ND	#NONE	#NA
CAT93C86LI-G		#NONE	#NA
LM224NG		LM224DR2G	ON SEMICONDUCTOR
LM2901NG		LM2901DR2G	ON SEMICONDUCTOR
LM2903NG		LM2903DR2G	ON SEMICONDUCTOR
LM2904NG		LM2904DR2G	ON SEMICONDUCTOR
LM2904VNG		LM2904VDR2G	ON SEMICONDUCTOR
LM324NG		LM324DR2G	ON SEMICONDUCTOR
LM339NG		LM339DR2G	ON SEMICONDUCTOR
LM358NG		LM358DR2G	ON SEMICONDUCTOR
LM393NG		LM393DR2G	ON SEMICONDUCTOR
MC33072PG		MC33072DR2G	ON SEMICONDUCTOR
MC33074APG		MC33074ADR2G	ON SEMICONDUCTOR
MC33079PG		MC33079DR2G	ON SEMICONDUCTOR
MC34072APG		MC34072ADR2G	ON SEMICONDUCTOR
MC34072PG		MC34072DR2G	ON SEMICONDUCTOR
MC78FC33HT1G		RH5RE33AA-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MC78PC33NTRG		R1111N331B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
MMBT2907A		MMBT2907ALT1G	ON SEMICONDUCTOR
NC7S86M5	NC7S86M5TR-ND	NC7S86M5X	ON SEMICONDUCTOR
NC7SZ32M5	NC7SZ32M5TR-ND	NC7SZ32M5X	ON SEMICONDUCTOR
NCP4632DDT33T5G		RP108J331D	RICOH ELECTRONIC DEVICES CO., LTD.



NCP4640H120T1G		R1515H120B-T1-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP583XV33T2G		R1180D331B-TR-FE	RICOH ELECTRONIC DEVICES CO., LTD.
NCP694D12HT1G		R1173H121D-TR-F	RICOH ELECTRONIC DEVICES CO., LTD.
NTDV20N06LT4G		NVD5C688NL	ON SEMICONDUCTOR
NTDV20P06LT4G		NVATS5A113PL	ON SEMICONDUCTOR
NVD4804NT4G		NVD4C05N	ON SEMICONDUCTOR
NVD4806NT4G		NVD4C05N	ON SEMICONDUCTOR
NVD5414NT4G		NVD5C688NL	ON SEMICONDUCTOR
NVD5484NLT4G		NVD5C684NL	ON SEMICONDUCTOR
NVD5490NLT4G		NVD5C688NL	ON SEMICONDUCTOR
NVD5802NT4G		FDD9410-F085	ON SEMICONDUCTOR
NVD5805NT4G		NVD5C478NL	ON SEMICONDUCTOR
NVD5867NLT4G		NVD5C688NL	ON SEMICONDUCTOR
NVD5890NLT4G		NVD5C454NL	ON SEMICONDUCTOR
NVD5890NT4G		NVD5C446N	ON SEMICONDUCTOR
NVD6415ANLT4G		FDD3682-F085	ON SEMICONDUCTOR
SSVD5804NT4G		NVD5C478NL	ON SEMICONDUCTOR
STD24N06LT4G		NVD5C688NL	ON SEMICONDUCTOR
STD5406NT4G		NVD5C478N	ON SEMICONDUCTOR
STD5407NT4G		NVD5C486N	ON SEMICONDUCTOR