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**PRODUCT DISCONTINUANCE # 16709**

Generic Copy

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**Issue Date:** 20-Aug-2011

**TITLE:** NCV8570, NCP700, NCP3985 Product Discontinuance Notice

**LAST BUY DATE:** 24-Aug-2012

**LAST SHIP DATE:** 23-Feb-2013

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Theresa McCarley <theresa.mccarley@onsemi.com>, or Alan.garlington@onsemi.com

**NOTIFICATION TYPE:**

Customers must notify ON Semiconductor (<quality@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:**

ON Semiconductor is issuing this special Product End of Life notice outside the normal Quarterly General notice due to specific customer requests. This Product Discontinuance notice will allow an extended period of time for customers to evaluate the possible replacement part in their applications or to plan the Life Time Buy orders.

Due to the closure of the wafer fab which processed these parts, it was necessary to redesign the parts at a different wafer fab using a slightly different BiCMOS process. Every attempt was made to match the old part performance however some differences do exist. Please refer to the attached table for a general summary of differences. The data sheet for each of the recommended replacement parts is available on the ON Semiconductor web site. Please refer to the current data sheet for any exact parametric differences which may exist.



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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.

Additional contacts are:

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NOTE: UPON PUBLICATION OF THIS DISCONTINUANCE NOTICE, ON SEMICONDUCTOR ALLOWS TWELVE (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 EIGHTEEN (18) MONTHS BEYOND THE ANNOUNCEMENT DATE.

End of life buy orders must be placed before 24-Aug-2012  
End of life buy orders must be shipped before 23-Feb-2013



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**List of affected General Parts:**

<b><u>Device to be Discontinued</u></b>	<b><u>Recommended Replacement</u></b>	<b><u>Supplier</u></b>
NCV8570MN180R2G	NCV8570BMN180R2G	ON Semiconductor
NCV8570MN250R2G	NONE	N/A
NCV8570MN275R2G	NONE	N/A
NCV8570MN280R2G	NCV8570BMN280R2G	ON Semiconductor
NCV8570MN300R2G	NCV8570BMN300R2G	ON Semiconductor
NCV8570MN330R2G	NCV8570BMN330R2G	ON Semiconductor
NCV8570SN18T1G	NCV8570BSN18T1G	ON Semiconductor
NCV8570SN25T1G	NONE	N/A
NCV8570SN275T1G	NONE	N/A
NCV8570SN28T1G	NCV8570BSN28T1G	ON Semiconductor
NCV8570SN30T1G	NCV8570BSN30T1G	ON Semiconductor
NCV8570SN33T1G	NCV8570BSN33T1G	ON Semiconductor
NCP700MN180R2G	NCP700BMT18TBG	ON Semiconductor
NCP700MN250R2G	NONE	N/A
NCP700MN275R2G	NONE	N/A
NCP700MN280R2G	NCP700BMT28TBG	ON Semiconductor
NCP700MN300R2G	NCP700BMT30TBG	ON Semiconductor
NCP700MN330R2G	NCP700BMT33TBG	ON Semiconductor
NCP3985SN18T1G	NCP700BSN18T1G	ON Semiconductor
NCP3985SN25T1G	NONE	N/A
NCP3985SN275T1G	NONE	N/A
NCP3985SN28T1G	NCP700BSN28T1G	ON Semiconductor
NCP3985SN30T1G	NCP700BSN30T1G	ON Semiconductor
NCP3985SN33T1G	NCP700BSN33T1G	ON Semiconductor



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<b>GENERAL COMPARISON OF POSSIBLE REPLACEMENT PART vs END OF LIFE PART</b>					
End of Life Part Number	Package	Possible Replacement	Package	Pin Out	Partial Electrical Comparison Replacement parts vs. EOL Parts
NCV8570MN180R2G	DFN6 2x2.2	NCV8570BMN180R2G	DFN6 2x2.2	Same	
NCV8570MN250R2G	DFN6 2x2.2	None			Max Tj = 125 C - Not 150C -
NCV8570MN275R2G	DFN6 2x2.2	None			Vinput = Same (2.5v - 5.5v)
NCV8570MN280R2G	DFN6 2x2.2	NCV8570BMN280R2G	DFN6 2x2.2	Same	Vdropout = Same
NCV8570MN300R2G	DFN6 2x2.2	NCV8570BMN300R2G	DFN6 2x2.2	Same	Vout = +/-2.5% vs +/-3.0% +
NCV8570MN330R2G	DFN6 2x2.2	NCV8570BMN330R2G	DFN6 2x2.2	Same	Grnd Current = 130ua vs 220ua + Load Reg = 5mv vs 25 mv +
NCV8570SN18T1G	TSOP-5	NCV8570BSN18T1G	TSOP-5	Same	Line Reg = +/- .1% vs +/- .2% +
NCV8570SN25T1G	TSOP-5	None			Turn Off = 600us vs 200us Typ -
NCV8570SN275T1G	TSOP-5	None			PSRR = 82db vs 80db Typ -
NCV8570SN28T1G	TSOP-5	NCV8570BSN28T1G	TSOP-5	Same	Noise = 10uv vs 20 uv Typ +
NCV8570SN30T1G	TSOP-5	NCV8570BSN30T1G	TSOP-5	Same	
NCV8570SN33T1G	TSOP-5	NCV8570BSN33T1G	TSOP-5	Same	
NCP700MN180R2G	DFN 2x2.2	NCP700BMT18TBG	WDFN6 1.5x1.5	Different	
NCP700MN250R2G	DFN 2x2.2	None			Same as NCV8750B (above) except for:
NCP700MN275R2G	DFN 2x2.2	None			Vdropout = 185mv vs 200mv +
NCP700MN280R2G	DFN 2x2.2	NCP700BMT28TBG	WDFN6 1.5x1.5	Different	Line Reg = +/- .17% vs +/- .2% +
NCP700MN300R2G	DFN 2x2.2	NCP700BMT30TBG	WDFN6 1.5x1.5	Different	Turn Off not specified
NCP700MN330R2G	DFN 2x2.2	NCP700BMT33TBG	WDFN6 1.5x1.5	Different	
NCP3985SN18T1G	TSOP-5	NCP700BSN18T1G	TSOP-5	Same	Same as above except for:
NCP3985SN25T1G	TSOP-5	None			Vdropout = 190mv vs 150mv -
NCP3985SN275T1G	TSOP-5	None			Ignd is at different conditions
NCP3985SN28T1G	TSOP-5	NCP700BSN28T1G	TSOP-5	Same	
NCP3985SN30T1G	TSOP-5	NCP700BSN30T1G	TSOP-5	Same	
NCP3985SN33T1G	TSOP-5	NCP700BSN33T1G	TSOP-5	Same	

NOTE: Above Electrical comparisons are general and do not cover all items - Please refer to the parts detailed data sheet