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<b>PRODUCT/ PROCESS CHANGE NOTICE</b>	
<b>PCN Number</b>	20130828
<b>Date</b>	August 28, 2013
<b>Product(s) Affected</b>	BI Technologies Thin Film Networks on Ceramic and Thin Film Networks on Silicon
<b>Date Effective</b>	Orders accepted until December 13, 2013
<b>Mfg. Location</b>	Fullerton, CA USA

<b>Type of Change</b>	<input checked="" type="checkbox"/> <b>End of Life</b> <input type="checkbox"/> <b>Material</b> <input type="checkbox"/> <b>Process</b> <input type="checkbox"/> <b>Other</b>
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<b>Description of Change</b>	<p>The production of all BI Technologies Thin Film Network product families will be discontinued in 2014. The affected product families are as follow:</p> <p><b>BI Technologies Thin Film Networks on Ceramic:</b>          NQS16: <a href="http://www.bitechnologies.com/pdfs/nqs.pdf">http://www.bitechnologies.com/pdfs/nqs.pdf</a>          NQS20: <a href="http://www.bitechnologies.com/pdfs/nqs.pdf">http://www.bitechnologies.com/pdfs/nqs.pdf</a>          NQS24: <a href="http://www.bitechnologies.com/pdfs/nqs.pdf">http://www.bitechnologies.com/pdfs/nqs.pdf</a>          664: <a href="http://www.bitechnologies.com/pdfs/660.pdf">http://www.bitechnologies.com/pdfs/660.pdf</a>          667: <a href="http://www.bitechnologies.com/pdfs/660.pdf">http://www.bitechnologies.com/pdfs/660.pdf</a>          668: <a href="http://www.bitechnologies.com/pdfs/660.pdf">http://www.bitechnologies.com/pdfs/660.pdf</a>          688: <a href="http://www.bitechnologies.com/pdfs/688.pdf">http://www.bitechnologies.com/pdfs/688.pdf</a>          694: <a href="http://www.bitechnologies.com/pdfs/690.pdf">http://www.bitechnologies.com/pdfs/690.pdf</a>          698: <a href="http://www.bitechnologies.com/pdfs/690.pdf">http://www.bitechnologies.com/pdfs/690.pdf</a>          699: <a href="http://www.bitechnologies.com/pdfs/690.pdf">http://www.bitechnologies.com/pdfs/690.pdf</a></p> <p><b>BI Technologies Thin Film Networks on Silicon:</b>          SFNxx-A, SFNxx-B: <a href="http://www.bitechnologies.com/pdfs/SFN%20series.pdf">http://www.bitechnologies.com/pdfs/SFN%20series.pdf</a>          SQSxx-A, SQS-xx-B: <a href="http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf">http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf</a>          SSNxx-A, SSNxx-B: <a href="http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf">http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf</a>          SSWxx-A, SSWxx-B: <a href="http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf">http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf</a>          SPDxx-A, SPDxx-B: <a href="http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf">http://www.bitechnologies.com/pdfs/s_series_datasheet.pdf</a>          SQSxx-L: <a href="http://www.bitechnologies.com/pdfs/nicr_l.pdf">http://www.bitechnologies.com/pdfs/nicr_l.pdf</a>          SSNxx-L: <a href="http://www.bitechnologies.com/pdfs/nicr_l.pdf">http://www.bitechnologies.com/pdfs/nicr_l.pdf</a>          SSWxx-L: <a href="http://www.bitechnologies.com/pdfs/nicr_l.pdf">http://www.bitechnologies.com/pdfs/nicr_l.pdf</a>          SPDxx-L: <a href="http://www.bitechnologies.com/pdfs/nicr_l.pdf">http://www.bitechnologies.com/pdfs/nicr_l.pdf</a>          SS1xx-VD: <a href="http://www.bitechnologies.com/pdfs/SS1_series_datasheet.pdf">http://www.bitechnologies.com/pdfs/SS1_series_datasheet.pdf</a>          SFNxx-VD: <a href="http://www.bitechnologies.com/pdfs/SS1_series_datasheet.pdf">http://www.bitechnologies.com/pdfs/SS1_series_datasheet.pdf</a></p>
<b>Reason for Change</b>	The affected product families have reached the obsolescence stage of the product life cycle.

<b>Implementation Plan</b>	Orders for BI Technologies Thin Film Networks will be accepted until close of business (PST) Friday, December 13, 2013. TT electronics recommends that customers place orders for last time buys prior to December 13, 2013. All orders will be scheduled to lead time. Lead times may be adjusted as capacity is filled. Delivery must be taken at lead time.	
<b>Recommendations</b>	<p>TT electronics recommends alternate product families as replacements for the part numbers affected. Please consult the Product Family Conversion Guide provided with this PCN for recommendations.</p> <p>As BI Technologies Thin Film Networks are highly customized, please consult with your local TT electronics representatives to identify the appropriate replacement part number manufactured in our Corpus Christi facility.</p>	
<b>Availability of Previously Manufactured Products</b>	Orders for BI Technologies Thin Film Networks will be accepted until December 13, 2013.	
<b>Sales Contact</b>	Klaus Zwerschina	
<b>Title</b>	Global Sales Director, Resistors	
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<b>Approvals</b>		
<b>Operations Director /Date</b>	<b>Global Product Line Director/Date</b>	<b>Senior Vice President RBU/ Date</b>
<i>Chuck Stout</i> August 28, 2013	<i>Philip Fulmer</i> August 28, 2013	<i>Gareth Mycock</i> August 28, 2013

PCBU C PCN; Revision Date: October 6, 2011

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