

## Listing of PCNs

### Introduction

This file contains PCN information for the product(s) referenced by the file name.

Note that the file may contain multiple PCNs. If this is the case, they are arranged in chronological order, so to see the most recent PCN scroll to the end.

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### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.  
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

## Resistors Product Change Notification

<b>PCN Number</b>	PCN-2019-RBU15
<b>PCN Title</b>	EOL Announcement: BCN Series – Concave BCN Chip Array
<b>PCN Date</b>	21 <sup>st</sup> October 2019
<b>Type of Change</b>	<input checked="" type="checkbox"/> End of Life Notification <input type="checkbox"/> Material Change <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Process Change <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Design Change <input type="checkbox"/> Other:
<b>Manufacturing Location(s) Affected</b>	TT Electronics Bedlington & TT Electronics Corpus Christi
<b>Date of Change Implementation</b>	October 31 <sup>st</sup> 2020

Products Affected		
Product Series	Product Type(s)	Affected Part numbers
BCN	BCN	<p>Below product types – All values and tolerances</p> <p>BCN318SBI BCN318RBI BCN164ABI BCN218SBI BCN4DBI</p> <p><a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/BCN.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/BCN.pdf</a></p>

Change Detail	
<b>Description of Change</b> TT Electronics is announcing that products from the BCN series, with concave terminations, are being taken end of life.	
<b>Reason for Change</b>	Products are being taken EOL due to declining sales and rising material costs
<b>Implementation Plan</b>	Last Time Buy will be available until April 30 <sup>th</sup> 2020 with a final shipping date of October 31 <sup>st</sup> 2020
<b>Customer Impact</b>	Parts will be EOL and unavailable to order after April 30 <sup>th</sup> 2020

<b>Recommendations</b>	Customers are advised to switch to convex type termination where possible. Your local TTE FAE will be able to support cross referencing activities
<b>Availability of Previously Manufactured Product</b>	N/A
<b>Availability of Approval Samples</b>	Samples of parts with convex termination are available on request
<b>Sales Contacts</b>	Americas OEM: Kevin Marzano <a href="mailto:Kevin.marzano@ttelectronics.com">Kevin.marzano@ttelectronics.com</a> Europe (EMEA): Peter Bauer <a href="mailto:Peter.bauer@ttelectronics.com">Peter.bauer@ttelectronics.com</a> Asia (OEM): Janson Chuen <a href="mailto:janson.chuen@ttelectronics.com">janson.chuen@ttelectronics.com</a> Americas Distribution: Jason Gildea <a href="mailto:jason.gildea@ttelectronics.com">jason.gildea@ttelectronics.com</a> Europe (EMEA) Distribution: Claudia Patzak-Kruger <a href="mailto:Claudia.patzak@ttelectronics.com">Claudia.patzak@ttelectronics.com</a> Asia Distribution: Willis Ong <a href="mailto:Willis.Ong@ttelectronics.com">Willis.Ong@ttelectronics.com</a>

<b>Approvals</b>			
	<b>Name</b>	<b>Title</b>	<b>Date</b>
<b>Issued by</b>	David Peters	Product Line Manager	23 <sup>rd</sup> October 2019
<b>Approved by</b>	Barry Peters	VP Product Management & Engineering	23 <sup>rd</sup> October 2019
<b>Approved by</b>	Guy Millard	VP & GM Resistors Business Unit	23 <sup>rd</sup> October 2019

## Resistors Product Change Notification

<b>PCN Number</b>	PCN-2020-RBU02
<b>PCN Title</b>	EOL Announcement: BCN31 & RC6 Resistor Networks
<b>PCN Date</b>	16 <sup>th</sup> March 2020
<b>Type of Change</b>	<input checked="" type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <input type="checkbox"/> Material Change <input type="checkbox"/> Process Change <input type="checkbox"/> Design Change
<b>Manufacturing Location(s) Affected</b>	TT Electronics Bedlington
<b>Date of Change Implementation</b>	30 <sup>th</sup> September 2020

Products Affected	
TTE Part Number	Datasheet Link
BCN31	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/BCN.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/BCN.pdf</a>
BCN31L	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/BCN31L.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/BCN31L.pdf</a>
RC6	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/RC-Network.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Resistors/Datasheets/RC-Network.pdf</a>

Change Detail	
<b>Description of Change</b> TT Electronics is announcing that the BCN31, BCN31L & RC6 Series chip arrays are being taken EOL	
<b>Reason for Change</b>	A critical raw material used in the manufacture of the affected parts has been taken EOL with no suitable replacement available.
<b>Implementation Plan</b>	A Last Time Buy will be available until 30 <sup>th</sup> September 2020 with a final shipping date of 31 <sup>st</sup> March 2021 A maximum of 2x 2019 purchased quantity will be available as a last time buy. All schedule agreements will be cancelled and are to be replaced with firm orders
<b>Customer Impact</b>	Parts will be EOL and unavailable to order after 30 <sup>th</sup> September 2020
<b>Recommendations</b>	Customers are advised to place last time buy order ASAP, inline with allocated volume.

<b>Availability of Previously Manufactured Product</b>	N/A
<b>Availability of Approval Samples</b>	N/A
<b>Sales Contacts</b>	Americas OEM: Mike Graham <a href="mailto:Mike.graham@ttelelectronics.com">Mike.graham@ttelelectronics.com</a> Europe OEM: Klaus Zwerschina <a href="mailto:Klaus.zwerschina@ttelelectronics.com">Klaus.zwerschina@ttelelectronics.com</a> Asia OEM: Janson Chuen <a href="mailto:janson.chuen@ttelelectronics.com">janson.chuen@ttelelectronics.com</a> Americas Distribution: Jason Gildea <a href="mailto:jason.gildea@ttelelectronics.com">jason.gildea@ttelelectronics.com</a> Europe Distribution: Claudia Patzak-Kruger <a href="mailto:Claudia.patzak@ttelelectronics.com">Claudia.patzak@ttelelectronics.com</a> Asia Distribution: Kuek Joo Wee <a href="mailto:joowee.kuek@ttelelectronics.com">joowee.kuek@ttelelectronics.com</a>

Approvals			
	Name	Title	Date
<b>Issued by</b>	David Peters	Product Line Manager	March 16, 2020
<b>Approved by</b>	Barry Peters	VP Product Management & Engineering	March 16, 2020
<b>Approved by</b>	Klaus Zwerschina	Global Sales Director	March 16, 2020

## Resistors Product Change Notification

<b>PCN Number</b>	PCN-2021-RBU04
<b>PCN Title</b>	EOL Announcement – BCN4D Resistors
<b>PCN Date</b>	22 <sup>nd</sup> March 2021
<b>Type of Change</b>	<input checked="" type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <input type="checkbox"/> Material Change <input type="checkbox"/> Process Change <input type="checkbox"/> Design Change
<b>Manufacturing Location(s) Affected</b>	TT Electronics Bedlington
<b>Date of Change Implementation</b>	30 <sup>th</sup> September 2021

Products Affected	
TTE Series	Datasheet Link
BCN4D	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/BCN.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/BCN.pdf</a>

Change Detail	
<b>Description of Change</b> TT Electronics is announcing that the BCN4D, Thick Film Chip Arrays, are being taken End of Life, (EOL).	
<b>Reason for Change</b>	Supply chain issues and availability of raw materials means it is no longer possible to manufacture this product
<b>Implementation Plan</b>	A Last Time Buy will be available until 30th September 2021 with Last Shipment date 31 <sup>st</sup> January 2022. A maximum of 2x 2020 purchased quantity will be available as a last time buy. All schedule agreements will be cancelled and are to be replaced with firm orders
<b>Customer Impact</b>	Parts will be EOL and unavailable to order after 30th September 2021
<b>Recommendations</b>	Customers are advised to place last time buy order ASAP, inline with allocated volume
<b>Availability of Previously Manufactured Product</b>	N/A

<b>Availability of Approval Samples</b>	N/A
<b>Sales Contacts</b>	Americas: Kevin Marzano <a href="mailto:kevin.marzano@ttelelectronics.com">kevin.marzano@ttelelectronics.com</a> Europe: Claudia Patzak-Kruger <a href="mailto:Claudia.patzak@ttelelectronics.com">Claudia.patzak@ttelelectronics.com</a> Asia: Janson Chuen <a href="mailto:janson.chuen@ttelelectronics.com">janson.chuen@ttelelectronics.com</a>

Approvals			
	Name	Title	Date
<b>Issued by</b>	Mark Beeston	Product Line Manager	22 <sup>nd</sup> March 2021
<b>Approved by</b>	Barry Peters	VP Product Management & Engineering	22 <sup>nd</sup> March 2021
<b>Approved by</b>	Klaus Zwerschina	Global Sales Director	22 <sup>nd</sup> March 2021

## Resistors Product Change Notification

<b>PCN Number</b>	PCN-2021-RBU08
<b>PCN Title</b>	Material Change – BCN168RB & BCN168SB
<b>PCN Date</b>	16/06/2021
<b>Type of Change</b>	<input type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Process Change <input type="checkbox"/> Design Change
<b>Manufacturing Location(s) Affected</b>	TT Electronics Bedlington
<b>Date of Change Implementation</b>	From 01 <sup>st</sup> April 2022 or once stock in the supply chain is depleted

Products Affected	
TTE Series	Datasheet Link
BCN168	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/BCN.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/BCN.pdf</a>

Change Detail	
<b>Description of Change</b>	TT Electronics is making a change to the protective film material with a change from glass to resin (Pb free), with side terminal material changing from glass Ag to resin Ag. There will be no change to the product form, fit or function of the device and this PCN is for notification only.
<b>Reason for Change</b>	To reduce the percentage content of lead contained within the protective film to meet future RoHS regulations.
<b>Implementation Plan</b>	There will be no disruption to the supply chain. The new protective film will be used on product manufactured from April 2022. All products will be qualified in line with their respective datasheets and customer specifications. Qualification test reports will be available upon request.



<b>Customer Impact</b>	There is no impact on product fit, form or function & there will be no disruption to the supply chain. All product qualifications will remain unchanged TT Electronics invites customers to communicate any specific test requirements to the business via their local sales contact.
<b>Recommendations</b>	Customers are advised to continue ordering in line with their requirements.
<b>Availability of Previously Manufactured Product</b>	Orders placed from April 2022 will be supplied to new specification or once stock in the supply chain is depleted.
<b>Availability of Approval Samples</b>	Available on request.
<b>Sales Contacts</b>	Americas: Kevin Marzano Kevin.Marzano@ttelelectronics.com Asia: Janson Chuen Janson.Chuen@ttelelectronics.com Europe (EMEA): Claudia Patzak-Kruger Claudia.Patzak@ttelelectronics.com

<b>Approval</b>			
	<b>Name</b>	<b>Title</b>	<b>Date</b>
<b>Issued by</b>	Mark Beeston	Product Line Manager	16/06/2021
<b>Approved by</b>	Barry Peters	VP Product Management and Engineering	16/06/2021
<b>Approved by</b>	Klaus Zwerschina	Global Sales Director	16/06/2021

# Resistors Product Change Notification

<b>PCN Number</b>	PCN-2022-RBU03
<b>PCN Title</b>	Datasheet Update – BCN10
<b>PCN Date</b>	11 <sup>th</sup> February 2022
<b>Type of Change</b>	<input type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Datasheet Specification Change <input checked="" type="checkbox"/> Other: Datasheet change to BCN10 marking. <div> <input type="checkbox"/> Material Change  <input type="checkbox"/> Process Change  <input type="checkbox"/> Design Change         </div>
<b>Manufacturing Location(s) Affected</b>	TT Electronics Bedlington
<b>Date of Change Implementation</b>	11 <sup>th</sup> February 2022

Products Affected	
<b>TT Series</b>	<b>Datasheet Link</b>
BCN10	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/BCN.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/BCN.pdf</a>

Change Detail	
<b>Description of Change</b>	Update to BCN10 Datasheet to reflect change to marking specification for BCN10. There will be no change to the product form, fit or function and this PCN is for notification only. See Appendix 1.
<b>Reason for Change</b>	To ensure datasheet is in line with current marking specifications.
<b>Implementation Plan</b>	Immediate implementation – February 2022
<b>Customer Impact</b>	Product form, fit or function is unchanged.
<b>Recommendations</b>	Please contact your local Sales / FAE team for assistance if required.
<b>Availability of Previously Manufactured Product</b>	N/A
<b>Availability of Approval Samples</b>	N/A
<b>Sales Contacts</b>	Americas: Kevin Marzano <a href="mailto:kevin.marzano@ttelectronics.com">kevin.marzano@ttelectronics.com</a> Europe: Claudia Patzak-Kruger <a href="mailto:Claudia.patzak@ttelectronics.com">Claudia.patzak@ttelectronics.com</a> Asia: Janson Chuen <a href="mailto:janson.chuen@ttelectronics.com">janson.chuen@ttelectronics.com</a>

Approvals			
	Name	Title	Date
Issued by	Mark Beeston	Product Line Manager	11 <sup>th</sup> February 2022
Approved by	Barry Peters	VP Product Management & Engineering	11 <sup>th</sup> February 2022
Approved by	Klaus Zwerschina	Global Sales Director	11 <sup>th</sup> February 2022

## Appendix 1

### Marking

BCN parts may be unmarked or marked with ohmic values. If marked, 2% and 5% tolerance parts are marked with three characters (e.g. 102). 1% tolerance parts may be marked with 3 or 4 characters (e.g. 102, 1001, 4991)

#### General Note

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[www.ttelectronics.com/resistors](http://www.ttelectronics.com/resistors)

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# Resistors Product Change Notification

<b>PCN Number</b>	PCN-2023-RBU18
<b>PCN Title</b>	Datasheet Update – BCN Series
<b>PCN Date</b>	2nd November 2023
<b>Type of Change</b>	<input type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input checked="" type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <input type="checkbox"/> Material Change <input type="checkbox"/> Process Change <input type="checkbox"/> Design Change
<b>Manufacturing Location(s) Affected</b>	TT Electronics Bedlington
<b>Date of Change Implementation</b>	2nd November 2023

Products Affected	
<b>TT Series</b>	<b>Datasheet Link</b>
BCN Series	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheet/BCN.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheet/BCN.pdf</a>

Change Detail	
<b>Description of Change</b>	<p>TT Electronics is announcing an update to the BCN Series datasheet to remove the 2% Tolerance option for the BCN164 variants. Product form fit and function otherwise remain unchanged. The BCN164 Series is still available in 1% and 5% options.</p> <p>A full list of all affected part numbers can be found in Appendix 1.</p>
<b>Reason for Change</b>	Due to declining sales of BCN164 2% Tolerance product, it is no longer economically viable to manufacture.
<b>Implementation Plan</b>	A Last Time Buy is not available, all BCN164 2% Tolerance part numbers are EOL and unavailable to order with immediate effect.
<b>Customer Impact</b>	All 2% tolerance BCN164 part numbers are EOL and unavailable to order from TT Electronics.
<b>Recommendations</b>	<p>Customers are requested to order BCN164 1% tolerance as a drop in replacement for 2% tolerance parts.</p> <p>Please contact your local Sales / BDE team for assistance in selecting the best alternative part number.</p>
<b>Availability of Previously Manufactured Product</b>	BCN164 Product with 2% tolerance will be unavailable to order with immediate effect.
<b>Availability of Approval Samples</b>	N/A
<b>Sales Contacts</b>	<p>Americas: Kevin Marzano <a href="mailto:kevin.marzano@ttelectronics.com">kevin.marzano@ttelectronics.com</a></p> <p>Europe: Claudia Patzak-Kruger <a href="mailto:Claudia.patzak@ttelectronics.com">Claudia.patzak@ttelectronics.com</a></p> <p>Asia: Janson Chuen <a href="mailto:janson.chuen@ttelectronics.com">janson.chuen@ttelectronics.com</a></p>

Approvals			
	Name	Title	Date
<b>Issued by</b>	Nick Atkinson	Senior Product Line Manager	25th October 2023
<b>Approved by</b>	Heather Baird	VP Product Management	25th October 2023
<b>Approved by</b>	Klaus Zwerschina	VP Sales	25th October 2023

## Appendix 1

Applies to all part numbers with generic form: BCNxxxxxxxxGxxx

Replacement part number: BCNxxxxxxxxFxxx