

## Power Solutions Product Change Notification

<b>PCN Number</b>	BED.PCN-29
<b>PCN Title</b>	EOL – Small Signal JFETs (2N4393/2N4393CSM/2N4416A)
<b>PCN Date</b>	09-02-2024
<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>	N/A
<b>Date of Change Implementation</b>	23-02-2024

Products Affected	
TT Series	Datasheet Link
2N4393	<a href="https://www.ttelectronics.com/Products/Power/Semiconductors/2N4393">https://www.ttelectronics.com/Products/Power/Semiconductors/2N4393</a>
2N4393CSM	(Not listed on web site)
2N4416A	<a href="https://www.ttelectronics.com/Products/Power/Semiconductors/2N4416A">https://www.ttelectronics.com/Products/Power/Semiconductors/2N4416A</a>

Change Detail	
<b>Description of Change</b>	Product Obsolete.
<b>Reason for Change</b>	1) End of life test capability for measuring device parameters : a. VGS(off) at VDS = 15V / 20V, ID = 1.0nA b. RDS(on) at VGS =0, ID =0, f = 1.0KHz (2N4393 / 2N4393CSM Only) 2) Low sales volumes / Demand.
<b>Implementation Plan</b>	1) Materials : 2N4393CSM (LCC1 Ceramic) & 2N4416A (TO-72 Metal Can). To be obsolete with immediate effect due to zero demand. 2) Material : 2N4393 (TO-18 Metal Can). To be obsolete 90 days from the implementation date of this PCN, with last time purchase available. See recommendations below.
<b>Customer Impact</b>	Considered to be low due to sales volumes / infrequent demand.
<b>Recommendations</b>	A limited last-time purchase for the 2N4393 (TO-18) is being made available. Due to material limitations the LTP is restricted to the best yield from 1500 devices. Customers should consider their future demand, discuss with the TT sales team and place orders before the 23 <sup>rd</sup> May 2024.
<b>Availability of Previously Manufactured Product</b>	Not Applicable

Change Detail	
<b>Availability of Approval Samples</b>	Not Applicable
<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>	Dave Watt	Product Development Engineer	09-02-2024
<b>Approved by</b>	Paul Wallace	Discrete Components Engineering Manager	13-02-2024
<b>Approved by</b>	Mark Grainger	Quality	20-02-2024
<b>Approved by</b>	Klaus Zwerschina	VP Sales	15-02-2024