



The DNA of tech.™

# Product Change Notification



Product Group: NLR/Thu Dec 15, 2022/PCN-NLR-011-2022-REV-0

## Change in Resistor Color Coding

**DESCRIPTION OF CHANGE:** Being environmentally conscious, Vishay has the intention to eliminate the color-coding process used for NTCLE100 series. The function of this color-coding is to visually identify the resistance value and tolerance of individual parts (similar to fixed resistor coding). This function is mainly used in the aftermarket and the color-coding process has a high impact on the environmental footprint of our production process.

**REASON FOR CHANGE:** Environmental

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** None

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** Please see materials list on the succeeding page.

**VISHAY BRAND(s):** Vishay BCcomponents

**TIME SCHEDULE:**

Start Shipment Date: Sun Oct 1, 2023

**SAMPLE AVAILABILITY:** Upon request

**PRODUCT IDENTIFICATION:** Date code and absence of color coding

**QUALIFICATION DATA:** Upon request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Fri Mar 31, 2023 or as specified by contract.**

**ISSUED BY:** Tilly Laurent, [tilly.laurent@vishay.com](mailto:tilly.laurent@vishay.com)

**For further information, please contact your regional Vishay office.**

**CONTACT INFORMATION:**

**Americas**

Vishay Americas  
One Greenwich Place  
Shelton CT United States 06484  
Phone: 1-402-563-6866  
Fax: 1-402-5863-6296

**Europe**

Vishay Electronic GmbH  
Dr.-Felix-Zandman-Platz 1  
Selb Germany 95100  
Phone: 49-9287-71-0  
Fax: 49-9287-70435

**Asia**

Vishay Intertechnology Asia Pte Ltd  
25 Tampines Street 92  
Keppel Building #02-00  
Singapore Singapore 528877  
Phone: 65-788-6688  
Fax: 65-788-0988

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 [www.vishay.com](http://www.vishay.com)

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



# Product Change Notification



Product Group: NLR/Thu Dec 15, 2022/PCN-NLR-011-2022-REV-0

The DNA of tech.™

?NTCLE100E3C90412A	NTCLE100E3C90412	NTCLE100E3C90383	NTCLE100E3C90354	NTCLE100E3689JT1A
NTCLE100E3689JT1	NTCLE100E3689JB0A	NTCLE100E3689JB0	NTCLE100E3683JT2	NTCLE100E3683JT1A
NTCLE100E3683JT1	NTCLE100E3683JB0A	NTCLE100E3683JB0	NTCLE100E3683HT1A	NTCLE100E3683HT1
NTCLE100E3683HB0A	NTCLE100E3683HB0	NTCLE100E3683GT1	NTCLE100E3683GB0A	NTCLE100E3683GB0
NTCLE100E3682JT1A	NTCLE100E3682JT1	NTCLE100E3682JB0A	NTCLE100E3682HB0A	NTCLE100E3682HB0
NTCLE100E3682GT1A	NTCLE100E3682GB0A	NTCLE100E3682GB0	NTCLE100E3681JT1A	NTCLE100E3681JT1
NTCLE100E3681JB0A	NTCLE100E3681JB0	NTCLE100E3681GB0A	NTCLE100E3681GB0	NTCLE100E3503JB0A
NTCLE100E3503GB0A	NTCLE100E3503GB0	NTCLE100E3502GT1A	NTCLE100E3479JT1A	NTCLE100E3479JT1
NTCLE100E3479JB0A	NTCLE100E3479JB0	NTCLE100E3478JT2A	NTCLE100E3478JT2	NTCLE100E3478JT1A
NTCLE100E3478JT1	NTCLE100E3478JB0A	NTCLE100E3478JB0	NTCLE100E3474JT1A	NTCLE100E3474JT1
NTCLE100E3474JB0A	NTCLE100E3474JB0	NTCLE100E3474HT1A	NTCLE100E3473JT2	NTCLE100E3473JT1A
NTCLE100E3473JT1	NTCLE100E3473JB0A	NTCLE100E3473JB0	NTCLE100E3473HT1A	NTCLE100E3473HT1
NTCLE100E3473HB0A	NTCLE100E3473HB0	NTCLE100E3473GT2	NTCLE100E3473GT1A	NTCLE100E3473GT1
NTCLE100E3473GB0A	NTCLE100E3473GB0	NTCLE100E3472JT2A	NTCLE100E3472JT2	NTCLE100E3472JT1A
NTCLE100E3472JT1	NTCLE100E3472HB0A	NTCLE100E3472HB0	NTCLE100E3472GT1A	NTCLE100E3472GT1
NTCLE100E3472GB0A	NTCLE100E3472GB0	NTCLE100E3471JT1A	NTCLE100E3471JT1	NTCLE100E3471JB0A
NTCLE100E3471JB0	NTCLE100E3471GB0A	NTCLE100E3471GB0	NTCLE100E3339JT2A	NTCLE100E3339JT2
NTCLE100E3339JT1A	NTCLE100E3338JT1	NTCLE100E3338JB0A	NTCLE100E3338JB0	NTCLE100E3334JT1
NTCLE100E3334JB0A	NTCLE100E3334JB0	NTCLE100E3334GB0A	NTCLE100E3334GB0	NTCLE100E3333JT1A
NTCLE100E3333JT1	NTCLE100E3333JB0A	NTCLE100E3333JB0	NTCLE100E3333HB0A	NTCLE100E3333HB0
NTCLE100E3333GB0A	NTCLE100E3332JT1A	NTCLE100E3332JT1	NTCLE100E3332JB0A	NTCLE100E3332JB0
NTCLE100E3332HB0A	NTCLE100E3332HB0	NTCLE100E3331JT2	NTCLE100E3331JB0A	NTCLE100E3331JB0
NTCLE100E3331GB0A	NTCLE100E3331GB0	NTCLE100E3272JT1A	NTCLE100E3272JT1	NTCLE100E3272JB0A
NTCLE100E3272JB0	NTCLE100E3272HB0	NTCLE100E3272GT1A	NTCLE100E3272GT1	NTCLE100E3272GB0A
NTCLE100E3272GB0	NTCLE100E3229JT2A	NTCLE100E3229JT2	NTCLE100E3229JT1A	NTCLE100E3229JT1
NTCLE100E3229GB0	NTCLE100E3224JT2A	NTCLE100E3224JT2	NTCLE100E3224JT1A	NTCLE100E3224JT1
NTCLE100E3224JB0A	NTCLE100E3224GB0A	NTCLE100E3224GB0	NTCLE100E3223JT2A	NTCLE100E3223JT2
NTCLE100E3223JT1A	NTCLE100E3223JT1	NTCLE100E3223JB0A	NTCLE100E3223JB0	NTCLE100E3223HT1A
NTCLE100E3223HT1	NTCLE100E3223HB0A	NTCLE100E3223HB0	NTCLE100E3223GB0	NTCLE100E3222JT2A
NTCLE100E3222JT2	NTCLE100E3222JB0	NTCLE100E3222HT1A	NTCLE100E3222HT1	NTCLE100E3222HB0A
NTCLE100E3222HB0	NTCLE100E3222GT2A	NTCLE100E3222GT2	NTCLE100E3222GT1A	NTCLE100E3222GT1
NTCLE100E3222GB0A	NTCLE100E3222GB0	NTCLE100E3221JT2A	NTCLE100E3221JT2	NTCLE100E3221JT1A
NTCLE100E3221JT1	NTCLE100E3202HT2A	NTCLE100E3202HT2	NTCLE100E3202HT1A	NTCLE100E3202HT1
NTCLE100E3202HB0A	NTCLE100E3202HB0	NTCLE100E3202GT2A	NTCLE100E3202GT2	NTCLE100E3202GB0A
NTCLE100E3202GB0	NTCLE100E3159JB0A	NTCLE100E3159JB0	NTCLE100E3154JT2A	NTCLE100E3154JT2
NTCLE100E3154JT1A	NTCLE100E3154JT1	NTCLE100E3154JB0A	NTCLE100E3154JB0	NTCLE100E3153JT1A
NTCLE100E3153JT1	NTCLE100E3153JB0A	NTCLE100E3153JB0	NTCLE100E3153HB0A	NTCLE100E3153HB0
NTCLE100E3153GB0A	NTCLE100E3153GB0	NTCLE100E3152JT1A	NTCLE100E3152JT1	NTCLE100E3152JB0A
NTCLE100E3152JB0	NTCLE100E3152HB0A	NTCLE100E3152HB0	NTCLE100E3152GB0A	NTCLE100E3151JT1A
NTCLE100E3151JT1	NTCLE100E3151JB0A	NTCLE100E3151GB0A	NTCLE100E3151GB0	NTCLE100E3123JT1A
NTCLE100E3123JT1	NTCLE100E3123JB0A	NTCLE100E3123JB0	NTCLE100E3123HB0A	NTCLE100E3123HB0
NTCLE100E3123GT2A	NTCLE100E3123GT2	NTCLE100E3123GT1A	NTCLE100E3123GT1	NTCLE100E3109JT2
NTCLE100E3109JT1A	NTCLE100E3109JT1	NTCLE100E3109JB0A	NTCLE100E3109JB0	NTCLE100E3104JT2A
NTCLE100E3104JB0A	NTCLE100E3104JB0	NTCLE100E3104HT2A	NTCLE100E3104HT2	NTCLE100E3104HT1A
NTCLE100E3104HT1	NTCLE100E3104HB0A	NTCLE100E3104HB0	NTCLE100E3104GT2A	NTCLE100E3104GB0A
NTCLE100E3104GB0	NTCLE100E3103JT2A	NTCLE100E3103JT2	NTCLE100E3103JT1A	NTCLE100E3103JT1
NTCLE100E3103JB0A	NTCLE100E3103JB0	NTCLE100E3103HT1A	NTCLE100E3103GT2A	NTCLE100E3103GT2
NTCLE100E3103GT1A	NTCLE100E3103GT1	NTCLE100E3103GB0A	NTCLE100E3103GB0	NTCLE100E3102JT1
NTCLE100E3102JB0A	NTCLE100E3102JB0	NTCLE100E3102HB0A	NTCLE100E3102HB0	NTCLE100E3102GT1A
NTCLE100E3102GT1	NTCLE100E3102GB0A	NTCLE100E3102GB0	NTCLE100E3101JT2	NTCLE100E3101JT1A
NTCLE100E3101JT1	NTCLE100E3101JB0A	NTCLE100E3101JB0		

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 [www.vishay.com](http://www.vishay.com)

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



# Product Change Notification



Product Group: Vishay Passives / CC and NLR / Dec 16th, 2022 / PCN-NLR-011-2022 Rev 0

## Change in Resistor Color Coding

**DESCRIPTION OF CHANGE:** Being environmentally conscious, Vishay has the intention to eliminate the color-coding process used for NTCLE100 series. The function of this color-coding is to visually identify the resistance value and tolerance of individual parts (similar to fixed resistor coding). This function is mainly used in the aftermarket and the color-coding process has a high impact on the environmental footprint of our production process.

**CLASSIFICATION OF CHANGE:** Elimination of color-coding process

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** None

**PRODUCT CATEGORY:** Resistors, Non-Linear, NTC BC

**PART NUMBERS/SERIES/FAMILIES AFFECTED:**  
NTCLE100\* (see attached part number list)

**VISHAY BRAND(s):** Vishay BC

**TIME SCHEDULE:**

Start Shipment Date (without color coding): Oct 1<sup>st</sup>, 2023

Estimated Last Time Shipment Date (with color coding): Sept 30<sup>th</sup>, 2023

**SAMPLE AVAILABILITY:** Upon request

**PRODUCT IDENTIFICATION:** Date code and absence of color-coding.

**QUALIFICATION DATA:** Upon request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before March 31<sup>st</sup>, 2023 or as specified by contract.**

**ISSUED BY:** Tilly Laurent, Marketing NLR, Tilly.Laurent@Vishay.com

**For further information, please contact your regional Vishay office.**

**CONTACT INFORMATION:**

**The Americas**

Vishay Americas  
One Greenwich Place  
Shelton, CT  
06484  
United States  
Phone: 1-402-563-6866  
Fax : 1-402-5863-6296

**Europe**

Vishay Electronic GmbH  
Dr.-Felix-Zandman-Platz 1  
Selb  
D-95100  
Germany  
Phone: 49-9287-71-0  
Fax : 49-9287-70435

**Asia**

Vishay Intertechnology Asia Pte Ltd  
25 Tampines Street 92  
Keppel Building #02-00  
528877  
Singapore  
Phone: 65-788-6688  
Fax : 65-788-0988

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 [www.vishay.com](http://www.vishay.com)

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

MKT010-06

**Affected Part Number List for PCN-NLR-011-2022 Rev 0**

NTCLE100E3C90412A	NTCLE100E3474JT1	
NTCLE100E3C90412	NTCLE100E3474JB0A	
NTCLE100E3C90383	NTCLE100E3474JB0	
NTCLE100E3C90354	NTCLE100E3474HT1A	
NTCLE100E3689JT1A	NTCLE100E3473JT2	
NTCLE100E3689JT1	NTCLE100E3473JT1A	
NTCLE100E3689JB0A	NTCLE100E3473JT1	
NTCLE100E3689JB0	NTCLE100E3473JB0A	
NTCLE100E3683JT2	NTCLE100E3473JB0	
NTCLE100E3683JT1A	NTCLE100E3473HT1A	
NTCLE100E3683JT1	NTCLE100E3473HT1	
NTCLE100E3683JB0A	NTCLE100E3473HB0A	
NTCLE100E3683JB0	NTCLE100E3473HB0	
NTCLE100E3683HT1A	NTCLE100E3473GT2	
NTCLE100E3683HT1	NTCLE100E3473GT1A	
NTCLE100E3683HB0A	NTCLE100E3473GT1	
NTCLE100E3683HB0	NTCLE100E3473GB0A	
NTCLE100E3683GT1	NTCLE100E3473GB0	
NTCLE100E3683GB0A	NTCLE100E3472JT2A	
NTCLE100E3683GB0	NTCLE100E3472JT2	
NTCLE100E3682JT1A	NTCLE100E3472JT1A	
NTCLE100E3682JT1	NTCLE100E3472JT1	
NTCLE100E3682JB0A	NTCLE100E3472HB0A	
NTCLE100E3682HB0A	NTCLE100E3472HB0	
NTCLE100E3682HB0	NTCLE100E3472GT1A	
NTCLE100E3682GT1A	NTCLE100E3472GT1	
NTCLE100E3682GB0A	NTCLE100E3472GB0A	
NTCLE100E3682GB0	NTCLE100E3472GB0	
NTCLE100E3681JT1A	NTCLE100E3471JT1A	
NTCLE100E3681JT1	NTCLE100E3471JT1	
NTCLE100E3681JB0A	NTCLE100E3471JB0A	
NTCLE100E3681JB0	NTCLE100E3471JB0	
NTCLE100E3681GB0A	NTCLE100E3471GB0A	
NTCLE100E3681GB0	NTCLE100E3471GB0	
NTCLE100E3503JB0A	NTCLE100E3339JT2A	
NTCLE100E3503GB0A	NTCLE100E3339JT2	
NTCLE100E3503GB0	NTCLE100E3339JT1A	
NTCLE100E3502GT1A	NTCLE100E3338JT1	
NTCLE100E3479JT1A	NTCLE100E3338JB0A	
NTCLE100E3479JT1	NTCLE100E3338JB0	
NTCLE100E3479JB0A	NTCLE100E3334JT1	
NTCLE100E3479JB0	NTCLE100E3334JB0A	
NTCLE100E3478JT2A	NTCLE100E3334JB0	
NTCLE100E3478JT2	NTCLE100E3334GB0A	
NTCLE100E3478JT1A	NTCLE100E3334GB0	
NTCLE100E3478JT1	NTCLE100E3333JT1A	
NTCLE100E3478JB0A	NTCLE100E3333JT1	
NTCLE100E3478JB0	NTCLE100E3333JB0A	
NTCLE100E3474JT1A	NTCLE100E3333JB0	
		NTCLE100E3333HB0A
		NTCLE100E3333HB0
		NTCLE100E3333GB0A
		NTCLE100E3332JT1A
		NTCLE100E3332JT1
		NTCLE100E3332JB0A
		NTCLE100E3332JB0
		NTCLE100E3332HB0A
		NTCLE100E3332HB0
		NTCLE100E3331JT2
		NTCLE100E3331JB0A
		NTCLE100E3331JB0
		NTCLE100E3331GB0A
		NTCLE100E3331GB0
		NTCLE100E3272JT1A
		NTCLE100E3272JT1
		NTCLE100E3272JB0A
		NTCLE100E3272JB0
		NTCLE100E3272HB0
		NTCLE100E3272GT1A
		NTCLE100E3272GT1
		NTCLE100E3272GB0A
		NTCLE100E3272GB0
		NTCLE100E3229JT2A
		NTCLE100E3229JT2
		NTCLE100E3229JT1A
		NTCLE100E3229JT1
		NTCLE100E3229GB0
		NTCLE100E3224JT2A
		NTCLE100E3224JT2
		NTCLE100E3224JT1A
		NTCLE100E3224JT1
		NTCLE100E3224JB0A
		NTCLE100E3224GB0A
		NTCLE100E3224GB0
		NTCLE100E3223JT2A
		NTCLE100E3223JT2
		NTCLE100E3223JT1A
		NTCLE100E3223JT1
		NTCLE100E3223JB0A
		NTCLE100E3223JB0



NTCLE100E3223HT1A  
NTCLE100E3223HT1  
NTCLE100E3223HB0A  
NTCLE100E3223HB0  
NTCLE100E3223GB0  
NTCLE100E3222JT2A  
NTCLE100E3222JT2  
NTCLE100E3222JB0  
NTCLE100E3222HT1A  
NTCLE100E3222HT1  
NTCLE100E3222HB0A  
NTCLE100E3222HB0  
NTCLE100E3222GT2A  
NTCLE100E3222GT2  
NTCLE100E3222GT1A  
NTCLE100E3222GT1  
NTCLE100E3222GB0A  
NTCLE100E3222GB0  
NTCLE100E3221JT2A  
NTCLE100E3221JT2  
NTCLE100E3221JT1A  
NTCLE100E3221JT1  
NTCLE100E3202HT2A  
NTCLE100E3202HT2  
NTCLE100E3202HT1A  
NTCLE100E3202HT1  
NTCLE100E3202HB0A  
NTCLE100E3202HB0  
NTCLE100E3202GT2A  
NTCLE100E3202GT2  
NTCLE100E3202GB0A  
NTCLE100E3202GB0  
NTCLE100E3159JB0A  
NTCLE100E3159JB0  
NTCLE100E3154JT2A  
NTCLE100E3154JT2  
NTCLE100E3154JT1A  
NTCLE100E3154JT1  
NTCLE100E3154JB0A  
NTCLE100E3154JB0  
NTCLE100E3153JT1A  
NTCLE100E3153JT1  
NTCLE100E3153JB0A  
NTCLE100E3153JB0  
NTCLE100E3153HB0A  
NTCLE100E3153HB0  
NTCLE100E3153GB0A  
NTCLE100E3153GB0  
NTCLE100E3152JT1A  
NTCLE100E3152JT1

NTCLE100E3152JB0A  
NTCLE100E3152JB0  
NTCLE100E3152HB0A  
NTCLE100E3152HB0  
NTCLE100E3152GB0A  
NTCLE100E3151JT1A  
NTCLE100E3151JT1  
NTCLE100E3151JB0A  
NTCLE100E3151GB0A  
NTCLE100E3151GB0  
NTCLE100E3123JT1A  
NTCLE100E3123JT1  
NTCLE100E3123JB0A  
NTCLE100E3123JB0  
NTCLE100E3123HB0A  
NTCLE100E3123HB0  
NTCLE100E3123GT2A  
NTCLE100E3123GT2  
NTCLE100E3123GT1A  
NTCLE100E3123GT1  
NTCLE100E3109JT2  
NTCLE100E3109JT1A  
NTCLE100E3109JT1  
NTCLE100E3109JB0A  
NTCLE100E3109JB0  
NTCLE100E3104JT2A  
NTCLE100E3104JB0A  
NTCLE100E3104JB0  
NTCLE100E3104HT2A  
NTCLE100E3104HT2  
NTCLE100E3104HT1A  
NTCLE100E3104HT1  
NTCLE100E3104HB0A  
NTCLE100E3104HB0  
NTCLE100E3104GT2A  
NTCLE100E3104GB0A  
NTCLE100E3104GB0  
NTCLE100E3103JT2A  
NTCLE100E3103JT2  
NTCLE100E3103JT1A  
NTCLE100E3103JT1  
NTCLE100E3103JB0A  
NTCLE100E3103JB0  
NTCLE100E3103HT1A  
NTCLE100E3103GT2A  
NTCLE100E3103GT2  
NTCLE100E3103GT1A  
NTCLE100E3103GT1  
NTCLE100E3103GB0A  
NTCLE100E3103GB0

NTCLE100E3102JT1  
NTCLE100E3102JB0A  
NTCLE100E3102JB0  
NTCLE100E3102HB0A  
NTCLE100E3102HB0  
NTCLE100E3102GT1A  
NTCLE100E3102GT1  
NTCLE100E3102GB0A  
NTCLE100E3102GB0  
NTCLE100E3101JT2  
NTCLE100E3101JT1A  
NTCLE100E3101JT1  
NTCLE100E3101JB0A  
NTCLE100E3101JB0