



# Product Change Notification

## TE Connectivity

**Product Change Notification:** PCN-23-195531

**PCN Date:** 21-DEC-23

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

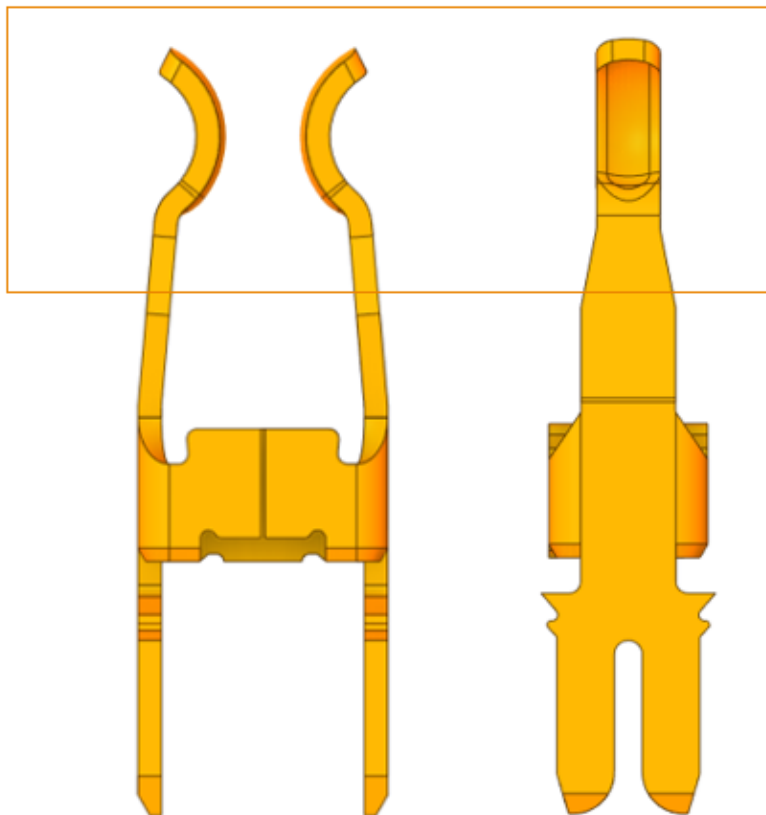
**Product Description:** (Text limited to 120 characters)

Monoplug 2.5

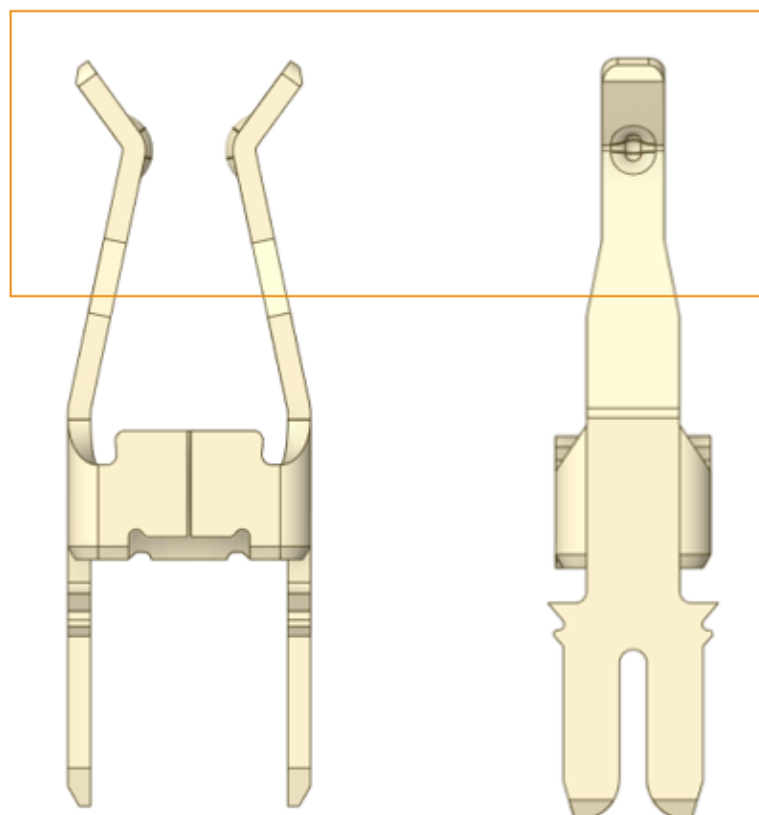
### General Description of Changes

Change the tip shape of Monoplug 2.5 contact

Before change



after change



Other attachments:

[Change detail](#)

**Reason for Changes:**

Customer request to optimize the tip shape of the contact to avoid contact damage during the mating with the counterpart.

**PCN Attributes:**

**Product Category:**

Connectors

**Kind of Change:**

Geometry

**Change Feature:**

Contact

**Potential Customer Impact:**

Product Requirement Improvement

**Remarks:**

Optimize the tip shape of the contact to avoid damage during the mating with the counterpart. There is not obvious change on the normal force and the validation test result of the new parts is positive.

<b>Estimated Dates:</b>	
<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Ship Date of Changed Items</b> (Changed Parts Only):
	13-APR-2024
<b>Last Ship Date of Changed Items</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	13-MAY-2024
<b>Effectivity Date:</b>	<b>Date of First Samples:</b>

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232890-3</a>	NO						
<a href="#">1-2232890-5</a>	NO						
<a href="#">1-2232890-7</a>	NO						
<a href="#">1-2232890-9</a>	NO						
<a href="#">1-2232892-0</a>	NO						
<a href="#">1-2232892-2</a>	NO						
<a href="#">1-2232892-3</a>	NO						
<a href="#">1-2232892-4</a>	NO						
<a href="#">1-2232892-5</a>	NO						
<a href="#">1-2232892-6</a>	NO						
<a href="#">1-2232892-7</a>	NO						
<a href="#">1-2232892-8</a>	NO						
<a href="#">1-2232893-1</a>	NO						
<a href="#">1-2351101-3</a>	NO						
<a href="#">1-2352002-5</a>	NO						
<a href="#">2-2232891-1</a>	NO						
<a href="#">4-2232890-0</a>	NO						

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232890-3</a>	NO						
<a href="#">1-2232892-4</a>	NO						
<a href="#">1-2232892-5</a>	NO						
<a href="#">1-2232892-7</a>	NO						
<a href="#">4-2232890-0</a>	NO						

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232890-3</a>	NO						
<a href="#">1-2232890-5</a>	NO						
<a href="#">1-2232890-7</a>	NO						
<a href="#">1-2232890-9</a>	NO						
<a href="#">1-2232892-0</a>	NO						
<a href="#">1-2232892-2</a>	NO						
<a href="#">1-2232892-3</a>	NO						
<a href="#">1-2232892-4</a>	NO						
<a href="#">1-2232892-5</a>	NO						

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232892-6</a>	NO						
<a href="#">1-2232892-7</a>	NO						
<a href="#">1-2232892-8</a>	NO						
<a href="#">1-2232893-1</a>	NO						
<a href="#">1-2351101-3</a>	NO						
<a href="#">1-2352002-5</a>	NO						
<a href="#">2-2232891-1</a>	NO						

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232890-3</a>	NO						
<a href="#">1-2232892-4</a>	NO						
<a href="#">1-2232892-5</a>	NO						
<a href="#">1-2232892-7</a>	NO						
<a href="#">4-2232890-0</a>	NO						

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232892-2</a>	NO						

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232892-2</a>	NO						
<a href="#">1-2232892-8</a>	NO						

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232892-2</a>	NO						
<a href="#">1-2232892-8</a>	NO						

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-2232890-3</a>	NO						
<a href="#">1-2232890-5</a>	NO						
<a href="#">1-2232890-7</a>	NO						
<a href="#">1-2232890-9</a>	NO						
<a href="#">1-2232892-0</a>	NO						
<a href="#">1-2232892-2</a>	NO						
<a href="#">1-2232892-3</a>	NO						
<a href="#">1-2232892-4</a>	NO						
<a href="#">1-2232892-5</a>	NO						
<a href="#">1-2232892-6</a>	NO						
<a href="#">1-2232892-7</a>	NO						
<a href="#">1-2232892-8</a>	NO						
<a href="#">1-2232893-1</a>	NO						
<a href="#">1-2351101-3</a>	NO						
<a href="#">1-2352002-5</a>	NO						
<a href="#">2-2232891-1</a>	NO						

# Contact change of Monoplug 2.5

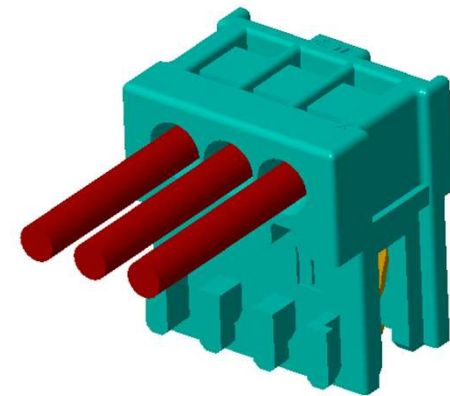
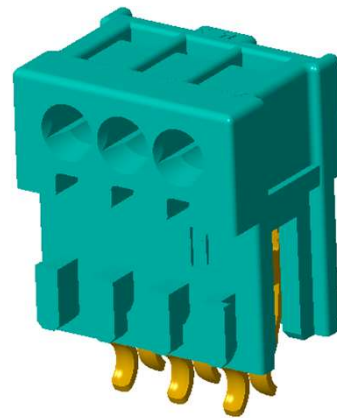
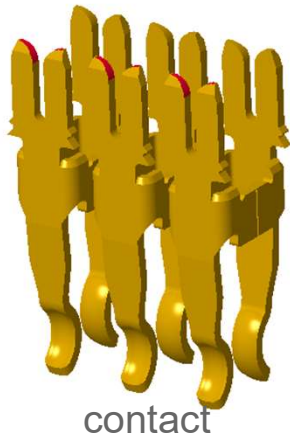
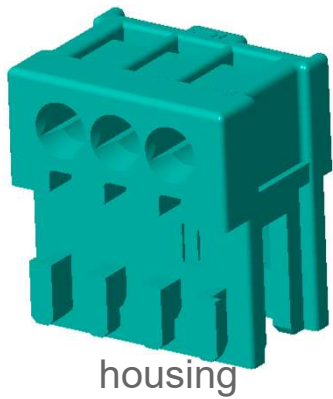
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EVERY CONNECTION COUNTS

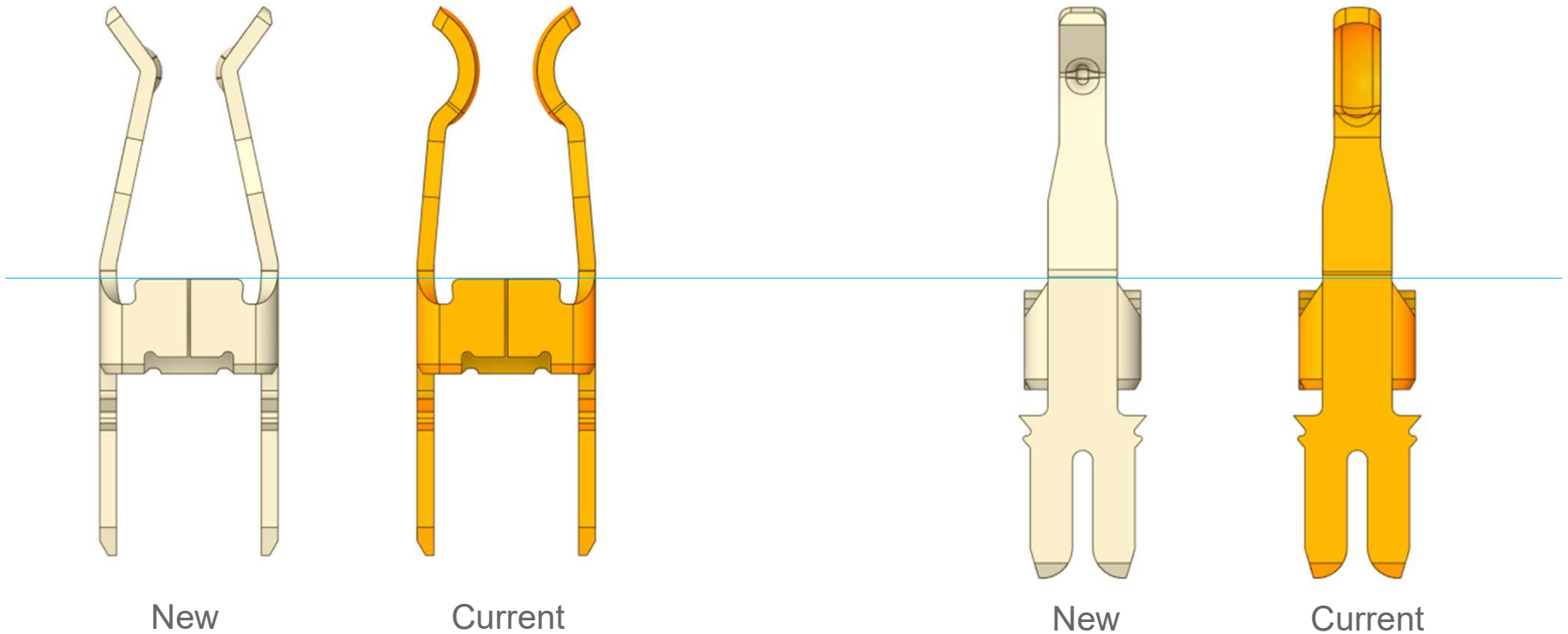




## Structure of Monoplug2.5

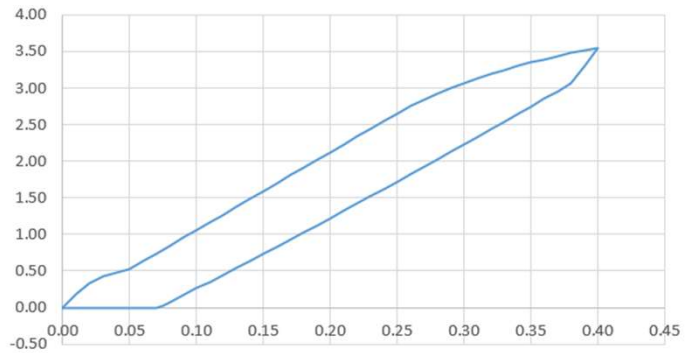


## Contact Change



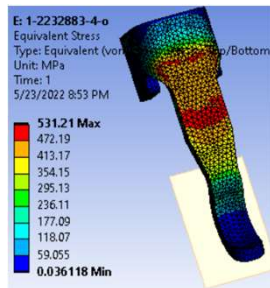
The structure below the blue line is the same, the structure above the blue line is different, the raw material and the plating is the same.

## Normal Force Analysis Results

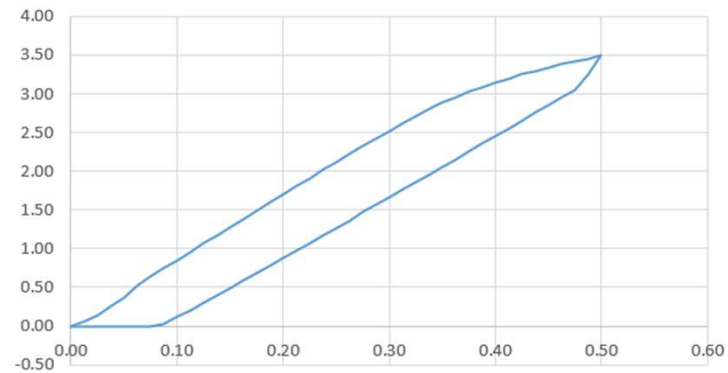


Range: 0.275+/-0.095 0.18~0.37

NF range: 1.03~2.95 N

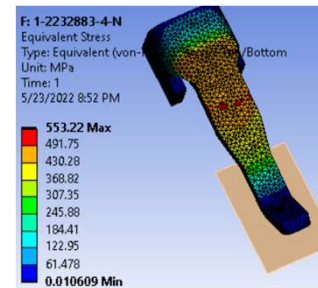


Existing design



Range: 0.275+/-0.095 0.18~0.37

NF range: 1.08~2.95 N



Proposed design

# Conclusion



Options	Existing design	Proposed design
Description	Parts in mass production	Proposed design to improve contact deformation issue
Normal force (range)	1.03~2.95 N	1.08~2.95 N
Normal force (Nominal)	1.97 N	2.01 N

There is no obvious difference between the normal force of existing design and proposed design.