

Product Change Notification

Positronic will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice.

PCN Type

☒	Form / Fit / Function
☐	Informational
☐	Qualified Product Listing (QPL)
☐	End of Life (EOL)

PCN Number

PCN-10672

PCN Title

Removal of Electroplated Finishes from Contact-Insulator Retaining Features

Notification Date

15 July 2026

Implementation Date*

13 October 2026

Part Description

Contact crown retainers, contact c-clip retainers, contact standard retainers, and contact wave washers

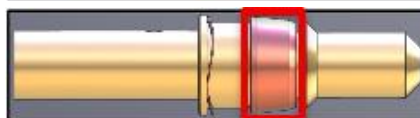
Retainer Type

Location

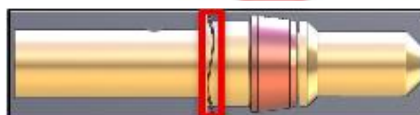
Crown



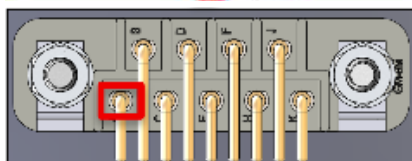
Standard



Wave Washer



C-Clip



Affected Part Number(s)

See affected parts [list](#).

Change Description

- 1) Electroplated finishes (copper, nickel, and gold) will be eliminated from beryllium copper contact-insulator retaining features, including crown retainers, standard retainers, and contact wave washers.
- 2) Electroplated gold finish will be eliminated from nickel-underplated phosphor bronze and brass c-clip retainers.

Reason for Change

The plating applied to these retaining features does not contribute to contact retention or current-carrying performance. Eliminating these non-functional finishes simplifies the manufacturing process, improves process consistency, and reduces supply chain dependence on plated materials while maintaining the specified performance of the connector system.

Performance Impact

Continues to meet all applicable performance requirements of MIL-DTL-28748E and SAE AS39029E.

Distinguishable Characteristics

The appearance of beryllium copper contact-insulator retaining features will change from a bright metallic yellow or silvery-white finish to a natural reddish-brown.

The appearance of phosphor bronze and brass contact-insulator c-clip retainers will change from a bright metallic yellow finish to a silvery-white finish.

<u>Retainer Type</u>	<u>Current</u>	<u>New</u>
Crown		
Standard		
Wave Washer		
C-Clip		

Possible Beryllium Copper Reddish-Brown Color Variations



Qualification Data

All testing was conducted per the relevant sections of MIL-DTL-28748E and SAE AS39029E.

Inspection	Requirement	Test Method	Results
Examination of Product	Dimensional Compliance	MIL-DTL-28748E Section 4.7.2 SAE AS39029E Section 4.7.1	Pass
Permeability	Less Than 2.0 Mu	MIL-DTL-28748E Section 4.7.3	Pass
Contact Retention	.015" Maximum	MIL-DTL-28748E Section 4.7.6	Pass
Temperature Cycling / Thermal Shock	-55°C / +125°C X5 Cycles	MIL-DTL-28748E Section 4.7.8 SAE AS39029E Section 4.7.7	Pass
Temperature Life	+125°C 1000 Hours	SAE AS39029E Section 4.7.14	Pass
Salt Spray	48 Hours NSS	MIL-DTL-28748E Section 4.7.15 SAE AS39029E Section 4.7.13	Pass

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* The implementation date is the projected date that customers may begin to receive changed product. Based on the rate of inventory depletion of current product, the implementation date may be later, but not earlier, than the stated date. Although customers should be prepared to receive changed product on this date, Positronic may continue shipping current product until a time in which the inventory has been depleted. This would result in current product being shipped to customers after the stated implementation date.

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