

## 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

<input checked="" type="checkbox"/>	Form / Fit / Function
<input type="checkbox"/>	Informational
<input type="checkbox"/>	Qualified Product Listing (QPL)

### PCN Number

PCN-10645

### PCN Title

Change From Hexavalent to Trivalent Chromium On All Zinc-plated Products

### Notification Date

11 September 2024

### Implementation Date\*

11 December 2024

### Part Description

Connector shells and accessories.

### Affected Part Number(s)

See affected parts [list](#).

### Change Description

- 1) The supplementary seal on zinc plate will change from hexavalent chromium (ASTM B 633 Type 2) to trivalent chromium (ASTM B 633 Type 5).

### Reason for Change

- 1) Positronic is transitioning from hexavalent chromium to trivalent chromium to improve efficiency.
- 2) By changing to trivalent chromium, Positronic can remove hexavalent chromium from the facility.

### Performance Impact

Continues to meet all applicable performance requirements of ASTM B 633 and MIL-DTL-24308K.

## Distinguishable Characteristics

Shell and hardware color will change from yellow iridescent to clear/blue iridescent.

Current hexavalent chromium



Replacement trivalent chromium



## Qualification Data

All testing was conducted per the relevant sections of MIL-DTL-24308K.

Parts have been qualified to ASTM B 633 and MIL-DTL-24308K.

INSPECTION	REQUIRED	TEST METHOD	RESULT
<b>Group I</b>			
Visual and Mechanical Inspection	3.1,3.3,3.4,3.6,3.7	4.52	PASS
Temperature Cycling	3.5.11	4.5.13	PASS
Salt Spray (Corrosion)	3.5.17	4.5.19	PASS
<b>Group II</b>			
Resistance to Solder Heat	3.5.25	4.5.27	PASS

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## PCN Correspondence

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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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