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an Amphenol company

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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
X	Qualified Product Listing (QPL)
	End of Life (EOL)

PCN Number

PCN-10676

PCN Title

Removal of Electroplated Finishes from Contact-Insulator Retaining Features

Notification Date

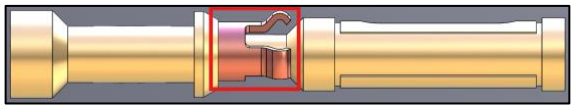
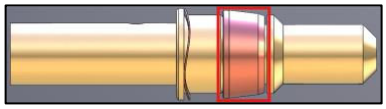
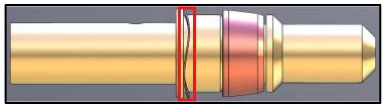
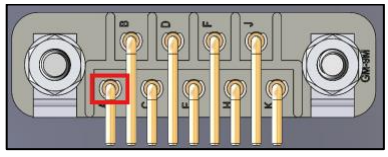
4 September 2026

Implementation Date*

4 December 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.

Retainer Type	Current	New
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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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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Affected Parts

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PCN-10676

Removal of Electroplated Finishes from Contact-Insulator Retaining Features

Affected Part Number Schemas
86078* (see affected part number list)
890**-* (see affected part number list)
M28748/***** (excluding part numbers ending in 1L)
M39029/(34,35)-***

Affected Part Numbers
86078-093B1A
86078-093E1A
89046-001
89050-001
89058-B
89058-C
89058-D
89059-D
M28748/13A00G1A
M28748/13B0001A
M28748/13B00F1A
M28748/13B00S1A
M28748/13C00F1A
M28748/13C00S1A
M28748/13D00F1A
M28748/13D00S1A
M28748/13E00F1A
M28748/13F00G1A
M28748/13G00F1A
M28748/13H00S1A
M28748/14A00G1A
M28748/14B00F1A
M28748/14B00S1A
M28748/14C00F1A
M28748/14C00S1A
M28748/14D00F1A
M28748/14D00S1A
M28748/14E00F1A
M28748/14F00F1A
M28748/14F00G1A
M28748/14F00S1A
M28748/14G00F1A
M28748/14G00S1A
M28748/14H00F1A

Affected Parts

M28748/3-B0001A
M28748/3-B00F1A
M28748/3-B00F2A
M28748/3-B00S1A
M28748/3-B0HF2A
M28748/3-B0JF2A
M28748/3-C0001A
M28748/3-C0002A
M28748/3-C00F1A
M28748/3-C00F2A
M28748/3-C00S2A
M28748/3-C0AF1A
M28748/3-C0AS1A
M28748/3-C0BF1A
M28748/3-C0BS1A
M28748/3-C0HG1A
M28748/3-C1AL3A
M28748/3-C1DL1A
M28748/3-C50F1A
M28748/3-C5LF1A
M28748/3-D0001A
M28748/3-D00F1A
M28748/3-D00F2A
M28748/3-D00G1A
M28748/3-D00G2A
M28748/3-D00S1A
M28748/3-D0H01A
M28748/3-E0001A
M28748/3-E0002A
M28748/3-E00F2A
M28748/3-E00F3A
M28748/3-E00L2A
M28748/3-E00S1A
M28748/3-E0AF1A
M28748/3-E10L1A
M28748/3-E1HL3A
M28748/3-E50F1A
M28748/3-F0002A
M28748/3-F0003A
M28748/3-F00F1A
M28748/3-F00S2A
M28748/3-F0AF1A
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M28748/3-G0001A
M28748/3-G0003A
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M28748/3-G00G1A
M28748/3-H00F2A

Affected Parts

M28748/3-H00G1A
M28748/3-H1AL3A
M28748/3-H1CL3A
M28748/3-K00S1A
M28748/3-K2HL2A
M28748/3-K6JF1A
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M28748/3-L00S2A
M28748/3-L0RF1A
M28748/3-L70F1A
M28748/3-L7JF3A
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M28748/4-B00S2A
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M28748/4-B50L2A
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M28748/4-C0HG1A
M28748/4-C1AF3G
M28748/4-C1DF1G
M28748/4-C1FF1G
M28748/4-C40L1A
M28748/4-C4JL2A
M28748/4-D0001A
M28748/4-D00G1A
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M28748/4-D00S1A
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M28748/4-E00F1H
M28748/4-E00F3A
M28748/4-E00S1A
M28748/4-E00S2A
M28748/4-E00S3A
M28748/4-E0AF1A
M28748/4-E0BF1A
M28748/4-E1HF3A
M28748/4-E5AL1A
M28748/4-F0002A
M28748/4-F0003A
M28748/4-F00F1A
M28748/4-F00F3A

Affected Parts

M28748/4-F00G1A
M28748/4-F00G3A
M28748/4-F00S2A
M28748/4-F0AF1A
M28748/4-F0HF2A
M28748/4-F40L2A
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M28748/4-G2BF3A
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M28748/4-L0R01A
M28748/4-L70L2A
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M28748/5-C0001A
M28748/5-C00F1A
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M28748/7-B00S1A
M28748/7-C00F1A
M28748/7-D00S1A

Affected Parts

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M28748/7-E00G1A
M28748/7-E00H1A
M28748/7-F00E1A
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