Positronic®
an Amphenol company

GLOBAL HEADQUARTERS
1325 N Eldon Ave
Springfield MO 65803 USA
USA | France | Singapore
+ 1 417 866 2322
info@connectpositronic.com

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

X	Form / Fit / Function
	Informational
	Qualified Product Listing (QPL)

PCN Number
PCN-10662

PCN Title
GH Series Design Improvement

Notification Date
5 September 2025

Implementation Date*
5 November 2025

Part Description
GH Series Connectors

Affected Part Number(s)
See affected parts list

Change Description
The four primary changes include:

1) The insulator (molding) material will change from gray Diallyl Phthalate (DAP) to black Polyphenylene Sulfide (PPS).
2) A visual keying feature will be added to the connector insulator.
3) The contact retention mechanism changed from a system utilizing c-clips to a press-in contact retention system. Press-in contacts eliminate the need for c-clips.
4) The optional cable adapter (hood) accessory material will change from gray DAP to anodized machined aluminum.

Reason for Change

The four primary reasons for change include:

1) Positronic is transitioning insulator material from DAP to PPS to improve manufacturability and sustainability.
2) The visual keying feature will allow for quick connector orientation and more user-friendly mating.
3) By removing c-clips, overall quality is improved by reducing the risk of introducing metallic FOD.
4) Positronic is transitioning cable adapters (hoods) from DAP to anodized machined aluminum to improve manufacturing flexibility.

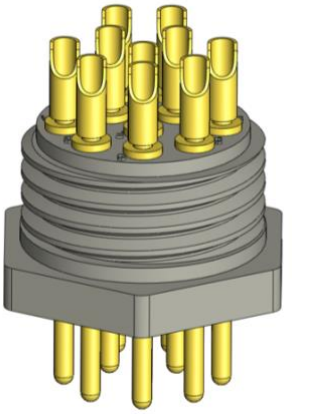
Performance Impact

Continues to meet all applicable published performance requirements.

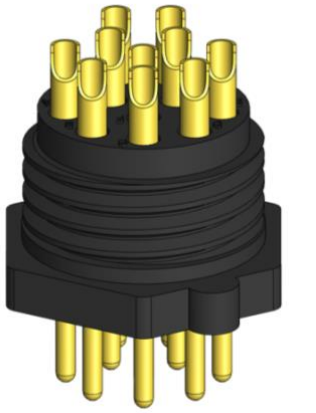
Distinguishable Characteristics

- The connector insulator color will change from gray to black.
- A visual keying feature will be added.
- The C-clip will be eliminated from the connector design.
- The hood material and color will change from gray thermoset DAP to yellow machined aluminum.

Current Connector Design



New Connector Design



Current Hood Design

New Hood Design

Qualification Data

Qualification Testing in Accordance with EIA Test Methods				
Inspection	**Requirement**	**Test Method**	**Test Date Code**	**Results**
Visual an mechanical inspection	Catalog C-013 Rev. D2 Pg. 3 & 4	Catalog C-013 Rev. D2 Pg. 3 & 4	2510	Pass
Contact retention	MIL-DTL-24308 3.5.5	MIL-DTL-24308 4.5.7 EIA/ECA-364-29	2510	Pass
Dielectric withstanding voltage at sea level	EIA-364-20 Condition I, Catalog C-013 Rev. D2	EIA-364-20 Condition I	2510	Pass
Dielectric withstanding voltage at altitude	EIA-364-20, Condition IV, Catalog C-013 Rev. D2	EIA-364-20, Condition IV	2510	Pass
Insulation resistance at ambient temperature	EIA-364-21, Catalog C-013 Rev. D2	EIA-364-21	2510	Pass
Contact resistance	EIA-364-06, Catalog C-013 Rev. D2	EIA-364-06	2510	Pass
Mating and unmating force	EIA-364-13	EIA-364-13	2510	Pass
Temperature cycling	EIA-364-32, Condition I, Catalog C-013 Rev. D2	EIA-364-32, Condition I	2510	Pass
Humidity	EIA-364-31, Method IV	EIA-364-31, Method IV	2510	Pass
Durability	EIA-364-09, Catalog C-013 Rev. D2	EIA-364-09	2510	Pass
Working voltage	UL 1977 17.0, Catalog C-013 Rev. D2	EIA-364-20 Condition I, UL 1977 17.0	2510	Pass

Regional Headquarters

USA +1 800 641 4054
Europe +33 5 6263 7442
Asia +65 6842 1419

PCN Correspondence

pcn@connectpositronic.com

** 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.*

Information provided herein is in connection with Positronic products and this information is provided “AS IS”. Positronic assumes no responsibility for any errors that may appear in this document. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Positronic Terms and Conditions of Sale for such products, Positronic assumes no liability whatsoever, and Positronic disclaims any express or implied warranty, including liability or warranties relating to fitness for a particular purpose, merchantability, or non-infringement of any patent, copyright or other intellectual property right. Positronic may make changes to specifications and product descriptions at any time, without notice.