



PRODUCT CHANGE NOTIFICATION

PRODUCT CHANGE NOTIFICATION NUMBER: PC000025

PCN DATE: May 19, 2023

This notice is to inform you about the following changes to the listed Stewart Connector products. For any further questions about these changes, please contact your Stewart Connector sales contact, or customer service representative.

PARTS AFFECTED:

See Appendix A

GENERAL PRODUCT DESCRIPTION:

Stacked RJ45 Connectors

REASON FOR CHANGE:

Since the Covid-19 pandemic, the world has been working through evolving supply chain issues which have affected many different industries. During this period, Stewart Connector experienced extreme supply constraints on certain key raw materials which affected production lead-times and our ability to confirm orders in a timely fashion. This caused us to re-evaluate our key raw materials and implement alternatives, where possible, to provide more flexibility in the future to help minimize the impact of supply constraints.

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DESCRIPTION OF CHANGE:

Currently, the signal contacts used in the bottom connector ports of the stack jack part numbers listed are produced using a wire drawing process which creates the cross section of the contact by pulling it through a drawing die. Although this is a common process in the metal working industry, it requires special tooling and equipment. This PCN will qualify these connectors to be made with the existing drawn wire contacts that we use today OR contacts created with a more traditional progressive stamping process. The addition of this approved method for producing these contacts will provide flexibility and more options for raw material sources.

Although the change will affect some internal construction of the contacts and plastic features, it will not cause a visible difference to the contacts externally. It will also not change any of the mechanical or electrical performance specifications of the connector. Below is a table summarizing some of these key contact attributes for the current and new contact construction:

<u>Attribute</u>	<u>Current drawn wire contact</u>	<u>New stamped contact</u>
Contact production method	Drawn wire	Progressive stamping
Contact Material	Phosphor Bronze	Phosphor Bronze
Contact plating - overall	Nickel	Nickel
Contact plating in mating area	Selective Gold – As specified	Selective Gold – As specified
Contact cross-sectional shape	Rectangular	Rectangular

Full product qualification testing will be completed by the product series and can be provided upon request. Part numbers will undergo a revision change once the new stamped contacts are approved for production. After that point, either contact construction could be used to produce the finished goods.

ESTIMATED IMPLEMENTATION SCHEDULE:

**Sample availability	<u>10/1/2023</u>
Released for production	<u>12/1/2023</u>

** If samples are required, please reference this PCN number on your sample request and place sample orders as soon as possible so materials can be planned.

SIGNATURE:



Derek Imschweiler
General Manager
Stewart Connector

Appendix A

SS-73100-002
SS-73100-003
SS-73100-007
SS-73100-008
SS-73100-009
SS-73100-011
SS-73100-028
SS-73100-070
SS-73100-073
SS-73100-082
SS73100-046F
SS73100-047F
SS73100-050F
SS73100-060F
SS-73800-050
SS73800-057F
SS73800-062F
SS73800-063F
SS73800-065F
SS73800-050F
SS73800-061F