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Oct. 25, 2019

Tyco Electronics-AMP Guangdong Ltd.

Subject: Quality Alert Notification

P/N: 1658686-1, SOCKET CONTACT, HDP-22, High Density 22DF.

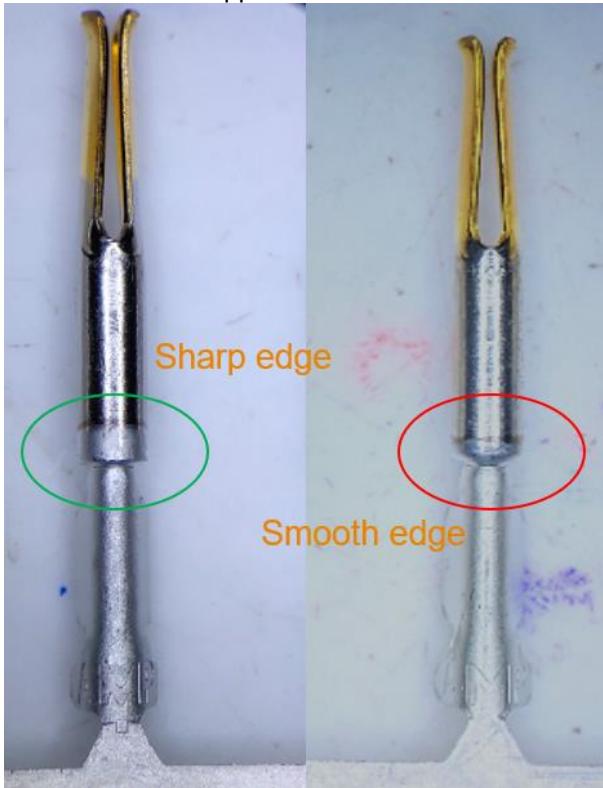
Dear distributors and customers,



Tyco Electronics AMP Guangdong Ltd. suspects that product 1658686-1 Socket contact may have pull out risk during customer assembly process.

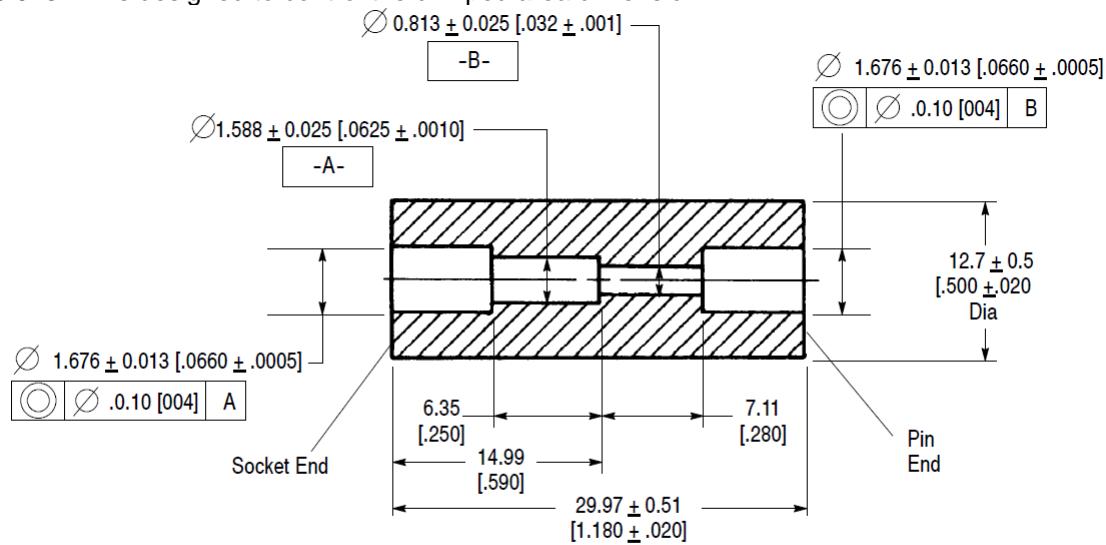
You can identify the suspected products as described below.

1. Date code on TE label from 18317M to 19131M; and.
2. Edge shape is smooth as shown in the right side of below picture:
 - In the left side of below picture, contact is with sharp edge;
 - In the right side of below picture, contact is with smooth edge which may result in loosening in some application.



We need distributors and customers to pay attention as described below to avoid the loosening risk during application:

- We recommend using wire type- AWG22~28 in assembly process;
- No twist, roll or deform after wire crimping. We recommend using below gauge to check the socket contact after crimping. Contact must fully enter the gauge without binding. $\varnothing 1.676 \pm 0.013$ mm is designed to control the crimped area dimension.



NOTES: Material: Tool Steel, AISI Type 01 or 02
 Hardness: Rockwell B99 Maximum
 Finish: Black Oxide

- Do not over-tighten the wire during assembly.

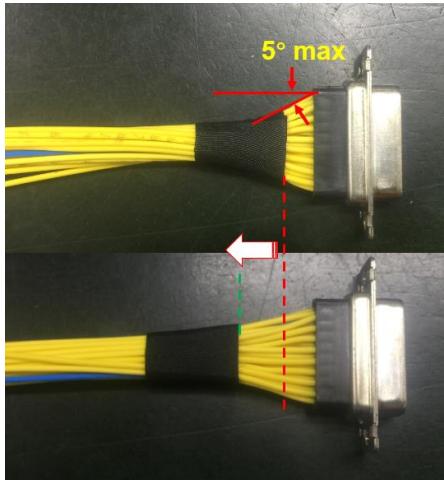


Wrong method: over-tighten & use excessive force to bend the terminal.



Do not over-tighten, or use excessive force in mating connector housings or mounting hardware. Push testing is not recommended as it could damage the locking tines in the housing.

d. When there is a bundling process for wires, please carefully check the bundling position and make sure the angle of the wires are $<5^\circ$ at both side. Change the bundling position to relax the wires is a solution.



e. Best method for using this contact is with over-molding/insert-molding process as shown below, which will not result in loosening in this application.



To continue enhancing extraordinary customer experience, TE is requesting distributors and customers to check and avoid loosening risk listed above, Should you have any question, please contact TE window below for further solution.

Sincerely,
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