

Product Change Notification

PCN18-02 – D-SUB Insulators

C&K

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Document revision

Revision	Date	Description	Author
A	February 1 st , 2018	Creation	R. ANTOINE
B	September 7 th , 2018	Date of Application change	R. ANTOINE

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1. Purpose

C&K components, as design and manufacturing company for high reliability connectors, is constantly looking to improve the manufacturing means and processes in order to continue serving its customers with the highest performance level.

As part of this continuous improvement policy, C&K Components has engaged a program around D-Sub miniature connectors' series. This program consists of improvements related to insulator polymer material.

2. Overview

2.1 Change definition

Change is applied on the D-Sub connector insulator material.

The description of the improvement is as follow:

- Insulator material change: PCT (Polycyclohexylenedimethylene terephthalate) resin becomes LCP (Liquid Crystal Polymer) thermoplastic material.
- Insulator colour: White gets Black.



2.2 Reason for Change

Get the REACH requirements.

Temperature resistance improvement:

PCT	<i>against</i>	LCP
- DTUL @ 1.8 MPa: 240°C		- DTUL @ 1.8 MPa: 276°C
- Melting temperature: 283°C		- Melting temperature: 335°C

These evolutions do not change the performances and integration of connectors and therefore, the contents of D-SUB connector specifications remain applicable.

Old Design	New Design
	
Insulator with PCT polymer material	Insulator with LCP polymer material

3. Impact of Change and Qualification

3.1 Impact of Change

No impact.

3.2 Qualification

Qualification submitted and validated by CNES. ESCC qualification approved.

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4. Part affected

- 3401/001 D*M Connectors
- 3401/002 D*MA Connectors
- 3401/020 D*M Savers
- 3401/080 D*M Power / Coax Savers
- All D-SUB connectors and Savers - FR022 quality level and under CDRI (Custom Design Request Information).

Remark: Material choice already taken into account and used on Micro-D connectors (ESCC detail specifications N° 3401/029, 3401/031, 3401/077 and 3401/041).

5. Date of application

- Last time buy: Orders delivered before September 30th 2018 will be produced with old insulator material.
- Orders delivered between October 1st 2018 and June 1st 2019 can be produced with old or new insulator material (end of stocks management).
- As from June 1st 2019, all order will be produced with new insulator material.

Remark:

- No mix of material for each order line.
- During transition period (October 1st 2018 to June 1st 2019), for each complete order, some lines can be delivered with old insulator material and other lines with new insulator material.
- Once a reference is changed to new insulator material, no delivery will be done with old insulator material.

6. Conditions of application

Ordering, Pricing and stock handling policy:

- Ordering: P/N designation remains unchanged.
- Pricing: Any pricing and other sales conditions remain valid.
- Stock handling: No return or scrap for obsolescence will be accepted for any reason.

7. Support

For any question, please contact your C&K sales representative.