



Product Change Notification (PCN)

PCN Number	510451	Date Issued	July 16, 2021
Reason for Change	Change to Product		
Change Type Description	This letter is to inform you that changes are being made to the part(s) identified in this Notice. The change may affect the fit, form, function or appearance of the parts, or it may result in a change to the specification. The details below show an example of the possible differences.		
Reason for Short Notice	Corrective Actions		
Assessment of Change	Product will be fully qualified before it is shipped. Qualification reports will be available after below listed date		
Internal Molex Qualification Date	July 19, 2021		
Sample Availability Date (Changed Part)	July 19, 2021		
Planned Implementation Date	July 31, 2021		
Method of Identifying Change	Date code		

RELEASED

Before Change

BEFORE


- SFP+ Light Pipe Cover C770 Materials don't have plating process

MATERIAL SPECIFICATION:

NOTES:

- MATERIAL: E 21-0110 C770 NICKEL SILVER
- SFP+ LIGHT PIPE COVER
- SURFACE FINISH: 14 RAG
- MINIMUM BURN ALLOWANCE: 0.015
- PART SURFACE TO BE FREE FROM SCRATCHES AND DENTS
- PART TO BE CLEAN FREE OF OIL AND IMPURITIES
- PART TO BE FINISHED TO PREVENT BONDING OF SURFACE SCRATCHES
- ALL FEATURES AND DIMENSIONS MUST ALWAYS BE IN SPEC.
- IF NECESSARILY THAT DIMENSIONS MARKED WITH * ARE CHECKED BY INSPECTION
- NO HANGS OR DEFECTS

RESULT: HIGH RISK OF HAVING DISCOLORATION



Storage Temperature: 22-25 degree Celsius; Humidity: 70% Maximum.
Handling: When material are used, they can't touch the product directly with their hands. They need to wear gloves.

Note:
Under constant Temperature and Humidity, the **Shelf life is 6 months**.

Root Cause:
The characteristic of the Light Pipe Cover material, C770 Nickel Silver. It is highly sensitive to environment which tends to discolor once exposed and has a short shelf life.

After Change

AFTER

- Addition of Nickel plating for affected C770 light pipe cover material, to prevent discoloration and increase shelf life

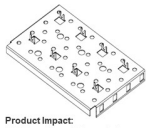
MATERIAL SPECIFICATION:

PN: 739273006
Description: 1X4 SFP LIGHT PIPE COVER
Material: C770 Nickel Silver

Storage Temperature: 22-25 degree Celsius; Humidity: 70% Maximum.
Handling: When material are used, they can't touch the product directly with their hands. They need to wear gloves.

Shelf Life: 12 months

Note:
NICKEL, PRE-PLATED MATERIALS (50 to 150 um)



Product Impact:
Addition of pre-plating only in correction with cosmetic defect (discoloration). No impact to fit, form and function. No change on the FG selling price as well, material improvement only

Part Number Impact (see attached)

Click attached for the evaluation of plated materials



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You may address any technical inquiries regarding this PCN by sending E-mail to pcn_coordinator@molex.com or your Local Sales Engineer.

Note: While responding, please retain "**PCN Notification:510451**" in the e-mail Subject line for faster response.

RELEASED

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PCN #	Molex Part #
510451	747260001
510451	747280002
510451	747480002
510451	747540011
510451	747540021