



Product Change Notification

Date Issued :	December 19, 2025	PCN Number :	517686
Reason for Change :	Capacity change or tool replacement		
Description of Change :	Series 42385 has seen an increased demand (4 and 6 CKT configurations). The project aims to tool up a new, high-capacity mold capable of providing an additional 1.8M pc/month to ensure full supply.		
Reason for Short Notice :	Capacity Increase		
Assessment of Change :	Dimension analysis		
Planned Implementation Date :	May 14, 2026		
Customer Sample Availability Date:	February 13, 2026		
Last date to request Samples by Customer : February 16, 2026			
Please note if Samples are not requested as per Customer Samples Request date, it may take additional 4-6 weeks to arrange Samples.			
Traceability Code Markings / Date :	Cavity identification		

Before Picture

EXECUTIVE SUMMARY

BUSINESS CONTEXT

Series 42385 has seen an increased demand (4 and 6 CKT configurations).
To cover the current demand forecast backlog the existing mold's capacity need to increase.
Therefore, the project aims to tool up a new, high-capacity mold capable of providing an additional supply.

PROJECT SCOPE

- Implement a new 8-cavity mold with a simulated cycle time of 10 seconds, which will meet the new demand.
- **NOTE:** The new design features one mold base with two fixed pockets to enable quick changes.
- Construction estimated in 5 weeks.

PROCESS OPTIMIZATION GOALS

The new mold design and process optimization ensure multiple operational opportunities:

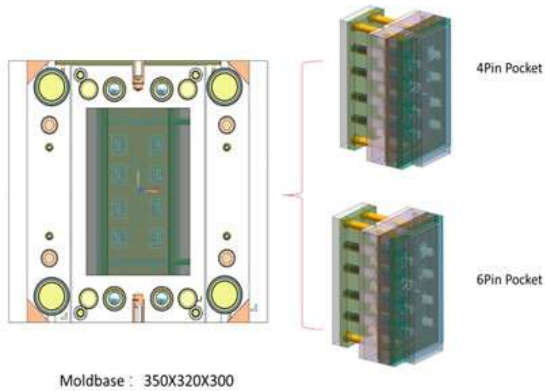
1. Material opportunity: Improvement runner design decrease from 10.5 g to 4 g (estimate).
2. Setup time opportunity: Setup time from 4hr to 1hr.
3. Efficiency and Maintenance: Improve POEE from 82% to 95%.

PCN will be implemented once all required qualification/ validation has been completed and all necessary approvals have been obtained to this PCN



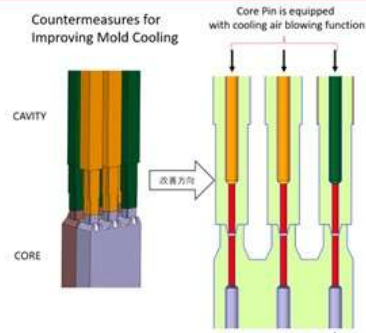
After Picture

Mold design concept



The switching between 4-pin and 6-pin is achieved by quickly changing the mold core block.

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Improvement in the orientation and added the air-cooling method for operation.



With the new runner design we can reduce the runner weight around a 6.5gr

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RELEASED

You may address inquiries regarding this PCN by clicking on the below link
mailto:pcn_coordinator@molex.com?subject=PCN_Notification:517686
 or contact your Local Sales Engineer.

Note: While responding, please retain " PCN Notification : **PCN Notification: 517686** " in the e-mail Subject line for faster response.

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