

# Product Change Notification

PCN No: 0058

Product Name: 4118 series

ECN No: 38485



Date of Notification	Change	Part Numbers Affected
3/8/2018	<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	All Motor models with the following prefixes: All sizes of 4118 & 4418

Notification Type			
<input type="checkbox"/> Component Change	<input type="checkbox"/> Material Change	<input type="checkbox"/> Product to be obsolete	<input checked="" type="checkbox"/> Supplier Change
<input type="checkbox"/> Design Change	<input type="checkbox"/> Process Change	<input type="checkbox"/> Specification Change	<input type="checkbox"/> Other

## Notification Description

**Summary of Changes:**  
 Lin Engineering's current supplier for rotor and stator laminations has notified us that the stamping and stacking die for the 4118 motor series has reached end of life and they are terminating all stamping operations. Therefore, Lin Engineering has no choice but to change suppliers for the rotor and stator laminations for this series of motors in order to prevent production-halt. The new supplier has been a reliable key supplier to our parent company Moons' corporation. Lin Engineering's supply chain will remain the same as it is today because this is considered a sub-sub-tier supplier strategical change providing dimensionally exact stamped components.

**Form, Fit, and Function changes:**  
 No changes are being made to the form, fit, function or reliability of the final product as purchased by our customers.

**Data Comparison:**  
 A battery of comparison tests were performed with motor samples manufactured with stamped parts from both the present supplier and the new supplier. Sample motors were manufactured under Lin Engineering's normal production processes. The following comparison tests were conducted in order to validate that the new supplier's parts perform equivalent:

- Holding torque
- Torque-speed curve
- Step error
- Speed stability
- Swept Velocity
- Resistance
- Inductance

Test data validated that the two supplier's parts provide equivalent performance.

Lin Engineering's risk assessment report is available upon request.

**Effective Date**

Implementation of components from the new stamping tools will begin April 8, 2018.

Please contact [sales@linengineering.com](mailto:sales@linengineering.com) to purchase the new samples if testing is required.