

Date of Notification	Change		Part Numbers Affected
January 24, 2019	<input type="checkbox"/> Major	<input checked="" type="checkbox"/> Minor	E3

Notification

<input type="checkbox"/> Product Obsolescence	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Process Change	<input checked="" type="checkbox"/> Design Change
<input type="checkbox"/> Material Change	<input type="checkbox"/> Specification Change	<input type="checkbox"/> Component Change	<input type="checkbox"/> Other

Notification Description (Including Extent, Purpose / Reason, and Effect on Form, Fit and Function)

Base Mold Update

As part of our ongoing continuous improvement efforts, and in order to enhance both function and appearance, multiple improvements are being incorporated into a plastic component redesign. The plastic base mounting holes and center hole counter-bore are increasing in size, and the four press-fit threaded inserts are being replaced with thread inserts that are over-molded into the base. With exception of the features outlined below, the new parts are dimensionally equivalent and will fit within the same envelope of the previous parts.

Design Changes:

- Increased mounting hole diameter: All $\varnothing.113$ " mounting holes will be increased to $\varnothing.125$ " in the base component, to improve fit using a standard #4-40 screw, as well as enable the use of our centering tool during installation. This affects six holes on the small-bore base, and two on the large-bore base.

Figure 1, Small-bore bases side by side showing new hole sizes (left) and current design (right)

- **Insert over-mold:** The pressed-in threaded inserts are being replaced with similar threaded inserts that will be insert-molded into the encoder base, this change will greatly improve the insert retention. The previous design utilized four tin plated carbon steel #4-40 threaded inserts for mounting the cover and module. The revised design will instead come with four #4-40 threaded brass inserts. The new brass inserts maintain all compliance standards and are functionally identical to the previous inserts.

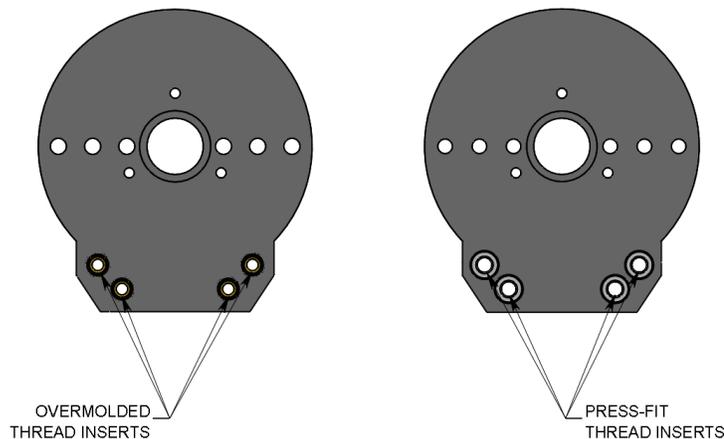


Figure 2, New (left) and current (right) threaded inserts

If you have any questions or concerns about this PCN, please contact our Technical Support Group at 360-397-9999 or email support@usdigital.com.

Alternate Parts (as applicable)

Effective Date (Including Last Time Buy Date and Conditions, as applicable)

This change will be implemented into the E3 family of products when current inventory is depleted.