



usdigital.com
 1400 NE 136th Ave.
 Vancouver, WA 98684
 Local: 360.260.2468
 Sales: 800.736.0194

Product Change Notification

E5 Mold Update - PCN 1007

Date of Notification	Change		Part Numbers Affected
August 23, 2011	<input type="checkbox"/> Major	<input checked="" type="checkbox"/> Minor	All E5 & E5 based encoders including: S5, T5, H15 & H5

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 checked="" type="checkbox"/> Specification Change	<input type="checkbox"/> Component Change	<input type="checkbox"/> Other (Production Test)

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

Summary

The plastic E5 base and covers have been redesigned for improved moldability and aesthetics. Design changes are primarily alteration of surface drafts, additional or increased corner radii and additional coring out of thick regions. This update was carefully done to preserve the size and shape of the encoder. The new parts are dimensionally equivalent and will fit within the envelope of the previous parts. Only the E-option covers and the G-option bases have features with dimensional changes.

E-Option Cover Extension

The cover extension of the E-option has been reduced in height by .007" while not affecting the maximum shaft length that the encoder can tolerate. The image below shows the new part on the left and old on the right. The E-option extension shows an example of both increased radii and draft angle.



Figure 1, E-Option extension design comparison

G-Option Base Ear Holes

The two mounting holes of the G-Option bases (both single-ended and differential) have been increased in diameter to .113" from .109". This change was done to ease customer assembly when using a standard #4-40 screw. The image below highlights this change showing the new part on the left with two .113" diameter thru holes and the old part on the right with two .109" diameter thru holes.

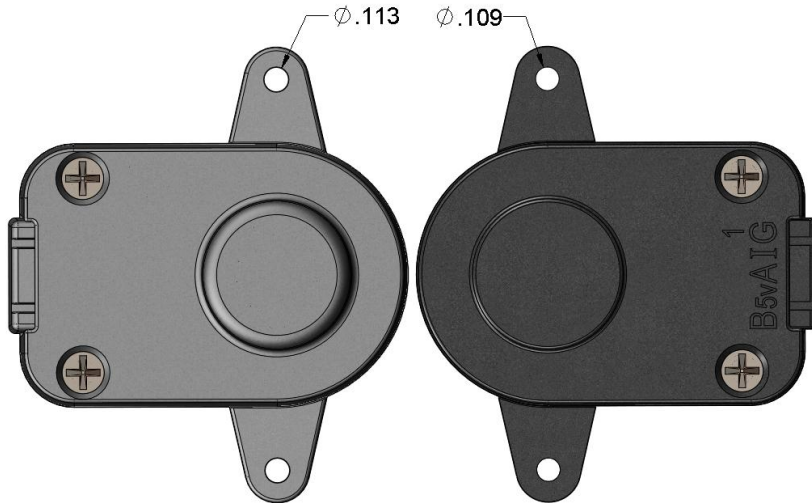


Figure 2, Side by side comparison of G-Option ear thru hole size increase

Additional Photos

Images below show side by side comparisons of new vs current parts with the new design shown on the left and previous version shown on the right.

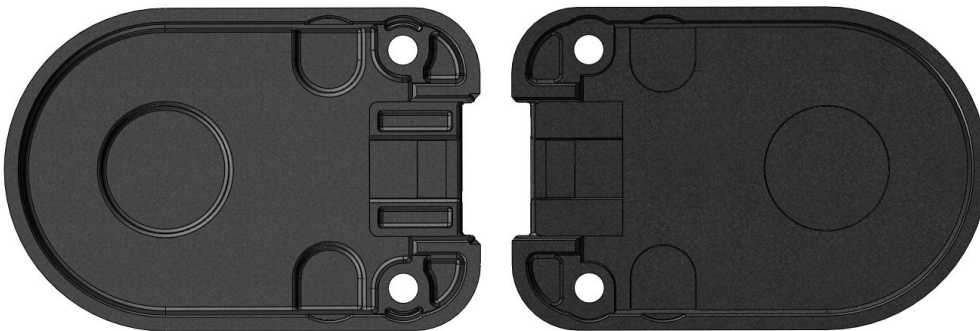


Figure 3, Visual comparison features inside the single-ended cover

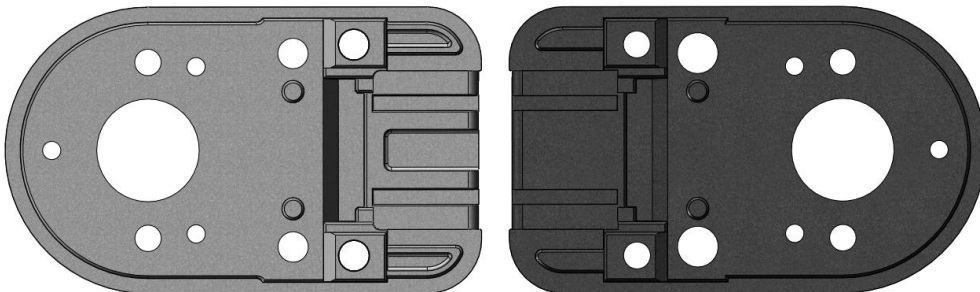


Figure 4, Visual comparison of features on differential base



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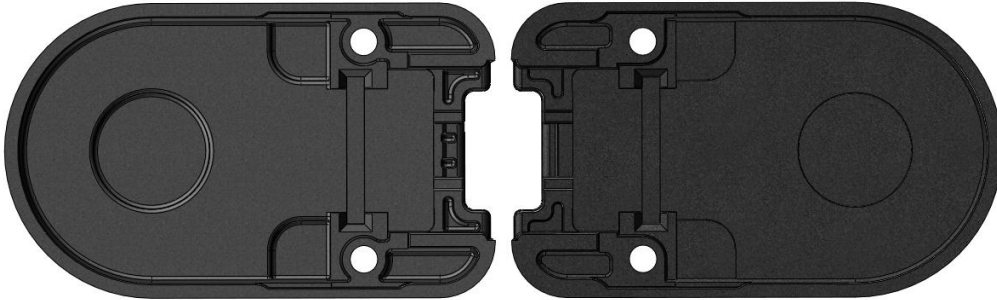


Figure 5, Visual comparison of features inside the differential cover

*Differences in the part colors of images above are due to texture and lighting variations in the 3D models and are not representative of actual part colors. New parts will be identical in color to previous design.

Alternate Parts (as applicable)

N/A

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

Implementation will begin in October 2011 and be completed by March 2012 (use all existing inventory before completing implementation)