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## Product Change Notification

1. ECN #: 237591

2. Date of Announcement: October 22, 2014

### 3. Series:

- ERC - ERI8 RIGHT ANGLE PCB CAGE ASSEMBLY

### 4. Part #'s Affected

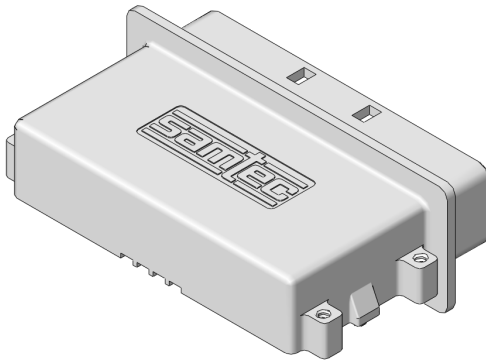
- ERC-031-01
- ERC-031-01-01
- ERC-031-01-02
- ERC-031-01-02

### 5. Description of Change:

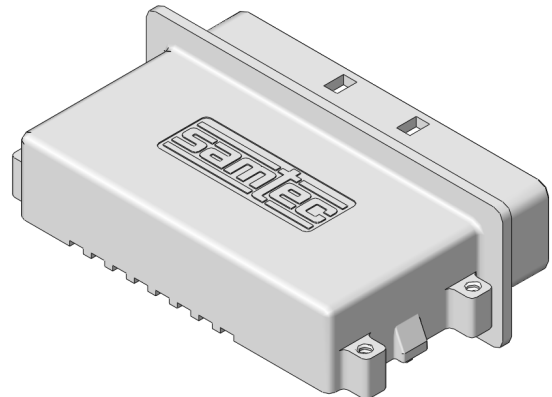
Additional slots are being added to the rear side of the housing to provide clearance for the additional surface differential pair traces present on a 31-position connector.

### 6. Method of Identifying Change

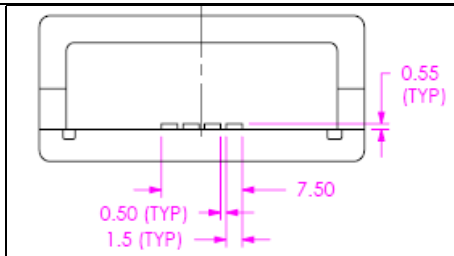
The new parts with the ERC-031-01-XX with have 8 through-slots on the rear side of the cage, where the previous ones only had 4.



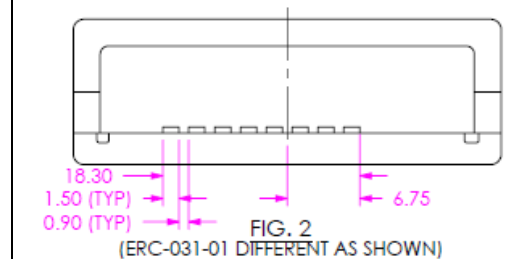
Previous design with 4 slots



New design with 8 slots



Previous ERC-031 through slots were based on dimensions taken from ERC-019 part.



Dimensions of slots for new ERC-031 part.

**7. Reason for Change:**

The existing design with only 4 slots did not accommodate the increased number of differential pair surface traces that may be present from the increased pin count of the connector inside the housing. In an environment where vibration is present, this could lead to the solder mask being scraped off from the top of the differential traces where the cage rested on top of them, at which point the cage could short the traces.

**8. Impact of Change on Form, Fit, or Function:**

- Form - Additional slots present on rear side of cage

**9. Projected Implementation Date:** November 12, 2014