

## PCN: V14-006-476103-OA

### Product Change Notice

Issue Date: 19 June 2014

#### Change Type:

Incorporated 4 changes for AEDx-8xxx family product to improve overall product robustness

- 1). New Detector IC and Line Driver IC
- 2). New Supply Current
- 3). New PCB Design
- 4). New CW Design

#### Parts Affected:

**AEDx-8xxx Kits encoder:** Please refer to below table.

Part Number	Encoder Part Description
AEDS-8001-A11	Kt, Myl, 3Ch, 500CPR, 4m, Er, Gt90e
AEDS-8001-A14	Kt, Myl, 3Ch, 500CPR, 5m, Er, Gt90e
AEDS-8001-E11	Kit, Myl, 3Ch, 200CPR, 4mm, Gt 90e
AEDS-8001-H11	Kt, Myl, 3Ch, 400CPR, 4m, Er, Gt90e
AEDS-8011-A11	Kit En, M CW, 3Ch, 500CPR, 4mm, Gated 90e
AEDS-8011-E11	Kit En, M CW, 3Ch, 200CPR, 4mm, Gated 90e
AEDS-8011-E14	Kit En, M CW, 3Ch, 200CPR, 5mm, Gated 90e
AEDS-8011-H11	Kit En, M CW, 3Ch, 400CPR, 4mm, Gated 90e
AEDS-8011-H14	Kit En, M CW, 3Ch, 400CPR, 5mm, Gated 90e
AEDT-8001-E11	HT, Kit, Myl, 3Ch, 200CPR, 4mm, Gt 90e
AEDT-8001-E14	HT, Kit, Myl, 3Ch, 200CPR, 5mm, Gt 90e
AEDT-8011-A11	Hi Temp, Kit En, M CW, 3Ch, 500CPR, 4mm, Gated 90e
AEDT-8011-A14	Hi Temp, Kit En, M CW, 3Ch, 500CPR, 5mm, Gated 90e
AEDT-8011-E01	HT Kit, Myl, 3Ch, 200CPR, 2mm, Gt 90e
AEDT-8011-H14	Hi Temp, Kit En, M CW, 3Ch, 400CPR, 5mm, Gated 90e
AEDT-8111-A11	Hi Temp, Kit En, M CW, 3Ch, 500CPR, 4mm, Gated 180e
AEDT-8111-H02	HT Kit, Myl, 3Ch, 400CPR, 3mm, Gt 180e
AEDT-8111-H14	Hi Temp, Kit En, M CW, 3Ch, 400CPR, 5mm, Gated 180e

#### Description and Extent of Change:

1. a.) Change Detector IC for AEDx-8xxx-Axx Series for 500 CPR resolution option only  
 b.) Change Line driver IC for all AEDx-8xxx Series for long term assurance of supply
2. New Supply Current (Icc) for all AEDX-8XX Series

Supply Current	Old	New
Typical	42mA	50mA
Max	50mA	60mA

3. Change Codewheel for AEDx-8xxx-Axx series ( 500 CPR Only ) to match with the detector IC

**Reasons for Change:**

1. New Detector and Line driver IC
  - a. Change Detector IC for 500 CPR resolution devices – to improve on the product robustness towards index misalignment at customer application and also to improve product Test Yield.
  - b. Change 500 CPR Codewheel dimension – to have a correct match to the new Detector IC layout for 500CPR option only
  - c. Change Line driver IC for all AEDx-8xxx series for long term assurance of supply.

**Effect of Change on Fit, Form, Function, Quality, or Reliability:**

The changes made are meant for overall product robustness improvement towards customer application conditions. Quality and reliability assessments have been completed with the product qualification meeting Avago reliability requirements.

The changes made are intended to meet most of the designated requirements per the product datasheet specification and meeting the performance as per the existing product (except slightly higher Icc current supply). Datasheet will be updated by July 2014.

**Effective Date of Change:**

Product shipment using this change will commence on or around July 2014 and may vary depending on depletion of current inventory.

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