

# Design Change Notification

January 5th, 2023

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace 38 (9CRA) 38mm sq. x 48mm thick  
 (Please refer Attached Sheet for a complete part number list.)

SANYO DENKI CO.,LTD.  
 Design Dept., Cooling Systems Div.

| Approved   | Checked   | Designed  |
|--|---|---|
|  |  |  |

SANYO DENKI America, Inc.  
 Cooling Systems Division

| No. | Contents   | Before Change  | After Change                                 | Description  |
|-----|--|--|--|--|
| 1   | Motor drive IC, electronic parts, Motor Windings and PWB | Use motor drive IC manufactured by ON-Semiconductor. | Use motor drive IC manufactured by Sentelic. | Change to the motor drive IC due to discontinuation of production by the semiconductor manufacturer. Also change to some electric parts except IC, Motor windings and PWB due to the change of the motor drive IC. |
| 2   | Specifications   | See the Attached Sheet.                              | See the Attached Sheet.                      |  |
| 3   | Implementation Date                                      |  |  | Implementation Date:<br>From July, 2023 production (Estimated).<br>Please note that the changeover schedule to new IC may change according to the number of products in the inventory.                             |

**No. A0053402 - Attached Sheet 1**

[MODEL LIST]

San Ace 38 (9CRA) – 38mm x 48mm thick

| MODEL   | Change contents  |
|---|------------------|
| 9CRA0312K402<br>9CRA0312J401  | Attached Sheet 2 |
| 9CRA0312P4K03<br>9CRA0312P4K04<br>9CRA0312P4K06<br>9CRA0312P4K07<br>9CRA0312P4K08<br>9CRA0312P4J03<br>9CRA0312P4J07<br>1022-115849<br>9CRA0312P4J03-A01 | Attached Sheet 3 |

**No. A0053402 - Attached Sheet 2**

[MODEL]

9CRA0312K402,

9CRA0312J401

[Contents of change]

|                                       |             | Before Change    | After Change |
|---------------------------------------|-------------|------------------|--------------|
| Motor drive IC                        | Type name   | LB11867          | STL6800      |
|                                       | Manufacture | On-semiconductor | Sentelic     |
| Operating voltage                     |             | No change        |              |
| Electrical current                    |             | No change        |              |
| Speed                                 |             | No change        |              |
| Operating temp.                       |             | No change        |              |
| Sound pressure level                  |             | No change        |              |
| Control terminal                      |             | Non-applicable   |              |
| Air flow – static pressure character  |             | No change        |              |
| PWM duty cycle - Speed characteristic |             | Non-applicable   |              |
| Sensor spec.                          |             | No change        |              |
| Life Expectancy                       |             | No change        |              |

**No. A0053402 - Attached Sheet 3**

[MODEL]

9CRA0312P4K03, 9CRA0312P4K04, 9CRA0312P4K06, 9CRA0312P4K07, 9CRA0312P4K08,  
 9CRA0312P4J03, 9CRA0312P4J07,  
 1022-115849, 9CRA0312P4J03-A01

[Contents of change]

|                                       |             | Before Change    | After Change |
|---------------------------------------|-------------|------------------|--------------|
| Motor drive IC                        | Type name   | LB11867          | STL6800      |
|                                       | Manufacture | On-semiconductor | Sentelic     |
| Operating voltage                     |             | No change        |              |
| Electrical current                    |             | No change        |              |
| Speed                                 |             | No change        |              |
| Operating temp.                       |             | No change        |              |
| Sound pressure level                  |             | No change        |              |
| Control terminal                      |             | No change        |              |
| Air flow – static pressure character  |             | No change        |              |
| PWM duty cycle - Speed characteristic |             | No change        |              |
| Sensor spec.                          |             | No change        |              |
| Life Expectancy                       |             | No change        |              |