

## Design Change Notification


September 7<sup>th</sup>, 2022

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR \_\_\_\_\_

Model: San Ace 92WF (9WF) 92 sq. mm x 25mm 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 Nuvoton-technology-Japan.	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: From May, 2023 production (Estimated). Please note that the changeover schedule to new IC may change according to the number of products in the inventory.

**No. A0053363 - Attached Sheet 1**

[MODEL LIST]

San Ace 92WF(9WF) – 92mm x 25mm thick

MODEL	Change contents
9WF0924H401	Attached Sheet 2
9WF0924H4011	
9WF0924H402	
9WF0924H403	
9WF0924H405	
9WF0924H406	
9WF0924H408	
9WF0924H4D01	
9WF0924H4D011	
9WF0924H404	Attached Sheet 3

**No. A0053363 - Attached Sheet 2**

[MODEL]

9WF0924H401, 9WF0924H4011, 9WF0924H402, 9WF0924H403, 9WF0924H405, 9WF0924H406,  
 9WF0924H408,  
 9WF0924H4D01, 9WF0924H4D011

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LA6588	AN44170(KA44170)
	Manufacture	On-semiconductor	Nuvoton-technology-Japan
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. A0053363 - Attached Sheet 3**

[MODEL]

9WF0924H404

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11967	AN44170(KA44170)
	Manufacture	On-semiconductor	Nuvoton-technology-Japan
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	