

Design Change Notification

December 29th, 2021

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace B76 (9BD) 76mm x 30mm 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 Toshiba or Rohm.	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 October, 2022 production (Estimated). Please note that the changeover schedule to new IC may change according to the number of products in the inventory.

No. A0052539 - Attached Sheet 1

[MODEL LIST]

San Ace B76(9BD) – 76mm x 30mm thick

MODEL	Change contents
109BD12P2H01 109BD12P2H03	Attached Sheet 2
109BD24FA2 109BD24FA2-3 109BD24FA2-4 109BD24HA2 109BD24MA2 109BD24HA2-A01	Attached Sheet 3

No. A0052539 - Attached Sheet 2

[MODEL]

109BD12P2H01, 109BD12P2H03

[Contents of change]

	Before Change	After Change
Motor drive IC	LB11970 By On-semiconductor	TC78B002 By Toshiba
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	

No. A0052539 - Attached Sheet 3

[MODEL]

109BD24FA2, 109BD24FA2-3, 109BD24FA2-4, 109BD24HA2, 109BD24MA2,
109BD24HA2-A01

[Contents of change]

	Before Change	After Change
Motor drive IC	LB1668M By On-semiconductor	BA6406 By Rohm
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.	Non-applicable	