Design Change Notification

April 28th, 2023

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace 172 (9E) Phi 172mm x 25mm thick (Please refer Attached Sheet for a complete part number list.)

SANYO DENKI CO.,LTD.

> 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 Microchip.	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 April, 2024 production (Estimated). Please note that the changeover schedule to new IC may change according to the number of products in the inventory.

[MODEL LIST]

San Ace 172 (9E) – 172mm x 25mm thick

MODEL	- 172mm x 25mm thick	
109E4712M401	Change contents	
109E4712M402	Attached Sheet 2	
109E4712L401		
109E4712L402		
1032-107383		
1032-107384		
1032-107385		
109E4712M4D01	Attached Sheet 3	
109E4712L4D01		
109E4724H401		
109E4724H402		
109E4724H405		
109E4724H4J01		
109E4724F401		
109E4724F402		
109E4724F403		
109E4724M401		
109E4724M402	Attached Sheet 4	
109E4724M404		
109E4724L401		
109E4724L402		
109E4724L4J03		
1032-106204		
1032-107386		
1032-107387		
1032-107389		
109E4724H4D01		
109E4724H4D03		
109E4724F4D01		
109E4724M4D01	Attached Sheet 5	
109E4724L4D01		
109E4724L4D03		
1032-107388		

[MODEL]

109E4712M401, 109E4712M402, 109E4712L401, 109E4712L402, 1032-107383, 1032-107384, 1032-107385

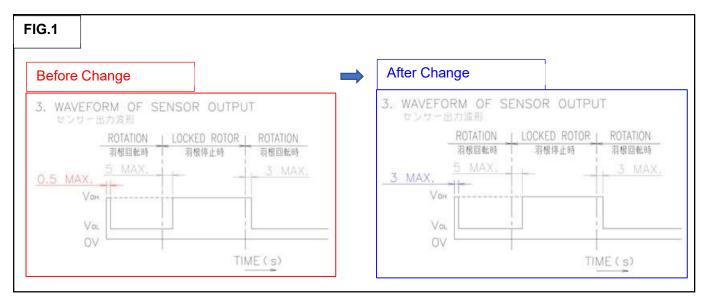
		Before Change	After Change
Motor drive IC	Type name	LB11967V	PIC16F1823
	Manufacture	On-semiconductor	Microchip
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Control terminal		Non-applicable	
Air flow – static pressure character		No change	
PWM duty cycle - Sp	eed characteristic	Non-applicable	
Sensor spec.		No change	
Life Expectancy		No change	

[MODEL]

109E4712M4D01,

109E4712L4D01

		Before Change	After Change	
Motor drive IC	Type name	LB11967V	PIC16F1823	
	Manufacture	On-semiconductor	Microchip	
Operating voltage		No change		
Electrical current		No change		
Speed		No change		
Operating temp.		No change		
Sound pressure leve	I	No change		
Control terminal		Non-applicable		
Air flow – static press	sure character	No change		
PWM duty cycle - Sp	eed characteristic	Non-applicable		
Sensor spec.		Refer to Fig.1		
Life Expectancy		No change		



[MODEL]

109E4724H401, 109E4724H402, 109E4724H405, 109E4724H4J01,

109E4724F401, 109E4724F402, 109E4724F403,

109E4724M401, 109E4724M402, 109E4724M404,

109E4724L401, 109E4724L402, 109E4724L4J03,

1032-106204, 1032-107386, 1032-107387, 1032-107389

		Before Change	After Change	
Motor drive IC	Type name	LB11967V	PIC16F1823	
	Manufacture	On-semiconductor	Microchip	
Operating voltage		No change		
Electrical current		No change		
Speed		No change		
Operating temp.		No change		
Sound pressure level	I	No change		
Control terminal		Non-applicable		
Air flow – static press	sure character	No change		
PWM duty cycle - Sp	eed characteristic	Non-applicable		
Sensor spec.		No change		
Life Expectancy		No change		

[MODEL]

109E4724H4D01, 109E4724H4D03, 109E4724F4D01, 109E4724M4D01, 109E4724L4D01, 109E4724L4D03, 1032-107388

		Before Change	After Change	
Motor drive IC	Type name	LB11967V	PIC16F1823	
	Manufacture	On-semiconductor	Microchip	
Operating voltage		No change		
Electrical current		No change		
Speed		No change		
Operating temp.		No change		
Sound pressure leve	el	No change		
Control terminal		Non-applicable		
Air flow – static pres	sure character	No change		
PWM duty cycle - Speed characteristic		Non-applicable		
Sensor spec.		Refer to Fig.1		
Life Expectancy		No change		

