

Design Change NotificationSeptember 7th, 2022To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace 40 (9GE) 40mm sq. x 28mm 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 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 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. A0053345 - Attached Sheet 1**[MODEL LIST]**

San Ace 40 (9GE) – 40mm x 28mm thick

MODEL	Change contents
9GE0412K301	Attached Sheet 2
9GE0412K3D01	
9GE0412K3D03	
9GE0412J301	Attached Sheet 3
9GE0412J302	
9GE0412J303	
9GE0412J304-S	
9GE0412J305	
9GE0412J3D01	
9GE0412J3D04	
9GE0412G304	Attached Sheet 4
9GE0412G3D01	
9GE0412P3K03	Attached Sheet 5
9GE0412P3J03	Attached Sheet 6
9GE0412P3J04-S	
9GE0412P3J06	
9GE0412P3J08	
9GE0412P3J10	
9GE0412P3J11	
9GE0412P3J13	
9GE0412P3J14	
9GE0412P3J15	
9GE0412P3J16	
9GE0412P3J17	
9GE0412P3J19	
9GE0412P3J20	
9GE0412P3J21	
9GE0412P3J22	
9GE0412P3J23	
9GE0412P3J24	
9GE0412P3J25	
9GE0412P3J26	
9GE0412P3J27	
9GE0412P3G03	Attached Sheet 7

No. A0053345 - Attached Sheet 2

[MODEL]

9GE0412K301,

9GE0412K3D01, 9GE0412K3D03

[Contents of change]

		Before Change	After Change
Motor drive IC	Pulse sensor Or sensor-less type	LB11867	BD69730 or BD6973
	Lock sensor type		BD69740 or BD6974
	Manufacture	On-semiconductor	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.		No change	
Life Expectancy		No change	

No. A0053345 - Attached Sheet 3

[MODEL]

9GE0412J301, 9GE0412J302, 9GE0412J303, 9GE0412J304-S, 9GE0412J305,
9GE0412J3D01, 9GE0412J3D04

[Contents of change]

		Before Change	After Change
Motor drive IC	Pulse sensor Or sensor-less type	LB11867	BD69730 or BD6973
	Lock sensor type		BD69740 or BD6974
	Manufacture	On-semiconductor	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.		No change	
Life Expectancy		No change	

No. A0053345 - Attached Sheet 4

[MODEL]

9GE0412G304,

9GE0412G3D01

[Contents of change]

		Before Change	After Change
Motor drive IC	Pulse sensor Or sensor-less type	LB11660	BD69730 or BD6973
	Lock sensor type		BD69740 or BD6974
	Manufacture	On-semiconductor	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.		No change	
Life Expectancy		No change	

No. A0053345 - Attached Sheet 5

[MODEL]

9GE0412P3K03

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867	BD69730 or BD6973
	Manufacture	On-semiconductor	Rohm
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	

No. A0053345 - Attached Sheet 6

[MODEL]

9GE0412P3J03, 9GE0412P3J04-S, 9GE0412P3J06, 9GE0412P3J08, 9GE0412P3J10, 9GE0412P3J11,
 9GE0412P3J13, 9GE0412P3J14, 9GE0412P3J15, 9GE0412P3J16, 9GE0412P3J17, 9GE0412P3J19,
 9GE0412P3J20, 9GE0412P3J21, 9GE0412P3J22, 9GE0412P3J23, 9GE0412P3J24, 9GE0412P3J25,
 9GE0412P3J26, 9GE0412P3J27

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867	BD69730 or BD6973
	Manufacture	On-semiconductor	Rohm
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	

No. A0053345 - Attached Sheet 7

[MODEL]

9GE0412P3G03

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11660	BD69730 or BD6973
	Manufacture	On-semiconductor	Rohm
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	