

# Design Change Notification

January 5th, 2023

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace 36 (9GV) 36mm 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 or 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: From July, 2023 production (Estimated). Please note that the changeover schedule to new IC may change according to the number of products in the inventory.

**No. A0053461 - Attached Sheet 1**

[MODEL LIST]

San Ace 36 (9GV) – 36mm x 28mm thick

MODEL	Change contents
9GV3605F303	Attached Sheet 2
9GV3612J301 9GV3612J302 9GV3612J304 9GV3612J3D01 1022-107082 9GV3612J301-A01 9GV3612J301-A02 9GV3612J302-A01 9GV3612J302-A02 9GV3612J302-A03 9GV3612J304-A01	Attached Sheet 3
9GV3612G301 9GV3612G302 9GV3612G306 9GV3612G3D01 9GV3612G3D04 1022-107500 1022-107501 9GV3612G301-A02 1022-106331 9GV3612G302-A01	Attached Sheet 4

MODEL	Change contents
9GV3612P3J03 9GV3612P3J04 9GV3612P3J10 9GV3612P3J11 9GV3612P3J14 9GV3612P3J15 9GV3612P3J16 9GV3612P3J17 9GV3612P3J20 9GV3612P3J21 9GV3612P3J22 9GV3612P3J23 9GV3612P3J24 9GV3612P3J25 9GV3612P3J26 9GV3612P3J27 9GV3612P3J28 9GV3612P3J29 9GV3612P3J03-A01 9GV3612P3J03-A02 9GV3612P3J03-A03 9GV3612P3J03-A04	Attached Sheet 5
9GV3612P3G03 9GV3612P3G07 9GV3612P3G08 9GV3612P3G09 9GV3612P3G10 9GV3612P3G03-A03 9GV3612P3G03-A04	Attached Sheet 6

**No. A0053461 - Attached Sheet 2**

[MODEL]

9GV3605F303

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11660	BD6962
	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. A0053461 - Attached Sheet 3**

[MODEL]

9GV3612J301, 9GV3612J302, 9GV3612J304,

9GV3612J3D01,

1022-107082,

9GV3612J301-A01, 9GV3612J301-A02, 9GV3612J302-A01, 9GV3612J302-A02, 9GV3612J302-A03,

9GV3612J304-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		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. A0053461 - Attached Sheet 4**

[MODEL]

9GV3612G301, 9GV3612G302, 9GV3612G306,

9GV3612G3D01, 9GV3612G3D04,

1022-107500, 1022-107501, 9GV3612G301-A02, 1022-106331, 9GV3612G302-A01

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11660	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. A0053461 - Attached Sheet 5**

[MODEL]

9GV3612P3J03, 9GV3612P3J04, 9GV3612P3J10, 9GV3612P3J11, 9GV3612P3J14, 9GV3612P3J15,  
 9GV3612P3J16, 9GV3612P3J17, 9GV3612P3J20, 9GV3612P3J21, 9GV3612P3J22, 9GV3612P3J23,  
 9GV3612P3J24, 9GV3612P3J25, 9GV3612P3J26, 9GV3612P3J27, 9GV3612P3J28, 9GV3612P3J29,  
 9GV3612P3J03-A01, 9GV3612P3J03-A02, 9GV3612P3J03-A03, 9GV3612P3J03-A04

[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	

**No. A0053461 - Attached Sheet 6**

[MODEL]

9GV3612P3G03, 9GV3612P3G07, 9GV3612P3G08, 9GV3612P3G09, 9GV3612P3G10,  
 9GV3612P3G03-A03, 9GV3612P3G03-A04

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11660	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	