

## Design Change Notification

January 9<sup>th</sup>, 2023

To: Sanyo Denki America Cooling Distributors

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

Model: San Ace 80 (9GV) 80mm sq. x 38mm 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 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. A0053479 - Attached Sheet 1**

## [MODEL LIST]

San Ace 80 (9GV) – 80mm x 38mm thick

MODEL	Change contents
9GV0812G101 9GV0812G1011 9GV0812G102 9GV0812G1021 9GV0812H101 9GV0812H1011 9GV0812H102 9GV0812H1021	Attached Sheet 2
9GV0812P1G03 9GV0812P1G031 9GV0812P1G06 9GV0812P1G061 9GV0812P1G071 9GV0812P1G10 9GV0812P1G11 9GV0812P1G15 9GV0812P1G16 9GV0812P1G17 9GV0812P1G18 9GV0812P1G19 9GV0812P1G03-A01	Attached Sheet 3
9GV0812P1H03 9GV0812P1H031 9GV0812P1H04 9GV0812P1H07 9GV0812P1H071 9GV0812P1H08 9GV0812P1H081 9GV0812P1H09 9GV0812P1H10 9GV0812P1G03-A01 8010028Z01 8030028Z01 8040028Z01	Attached Sheet 4

MODEL	Change contents
9GV0812P1F03 9GV0812P1F031 9GV0812P1F04 9GV0812P1F061 9GV0812P1F07 9GV0812P1F091 9GV0812P1F121 9GV0812P1F131 9GV0812P1F141 9GV0812P1F03-A01 9GV0812P1F03-A02 9GV0812P1F03-A03	Attached Sheet 5
9GV0812P1M03 9GV0812P1M031 9GV0812P1M05 9GV0812P1MD04	Attached Sheet 6

**No. A0053479 - Attached Sheet 2**

[MODEL]

9GV0812G101, 9GV0812G1011, 9GV0812G102, 9GV0812G1021,

9GV0812H101, 9GV0812H1011, 9GV0812H102, 9GV0812H1021

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867FV	BD69730
	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. A0053479 - Attached Sheet 3**

[MODEL]

9GV0812P1G03, 9GV0812P1G031, 9GV0812P1G06, 9GV0812P1G061, 9GV0812P1G071, 9GV0812P1G10,  
 9GV0812P1G11, 9GV0812P1G15, 9GV0812P1G16, 9GV0812P1G17, 9GV0812P1G18, 9GV0812P1G19,  
 9GV0812P1G03-A01

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867FV	BD69730
	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. A0053479 - Attached Sheet 4**

[MODEL]

9GV0812P1H03, 9GV0812P1H031, 9GV0812P1H04, 9GV0812P1H07, 9GV0812P1H071, 9GV0812P1H08,  
 9GV0812P1H081, 9GV0812P1H09, 9GV0812P1H10,  
 9GV0812P1H03-A01, 8010028Z01, 8030028Z01, 8040028Z01

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867FV	BD69730
	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. A0053479 - Attached Sheet 5**

[MODEL]

9GV0812P1F03, 9GV0812P1F031, 9GV0812P1F04, 9GV0812P1F061, 9GV0812P1F07, 9GV0812P1F091,  
 9GV0812P1F121, 9GV0812P1F131, 9GV0812P1F141,  
 9GV0812P1F03-A01, 9GV0812P1F03-A02, 9GV0812P1F03-A03

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867FV	BD69730
	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. A0053479 - Attached Sheet 6**

[MODEL]

9GV0812P1M03, 9GV0812P1M031, 9GV0812P1M05, 9GV0812P1MD04

[Contents of change]

		Before Change	After Change
Motor drive IC	Pulse sensor Or sensor-less type	LB11867FV	BD69730
	Lock sensor type	LB11867RV	BD69740
	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	