

Design Change Notification

September 7th, 2022

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace C175 175 mm x 69mm 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 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 March, 2023 production (Estimated). Please note that the changeover schedule to new IC may change according to the number of products in the inventory.

N. A0053355 - Attached Sheet 1

[MODEL LIST]

San Ace C175 – 175mm x 69mm thick

MODEL	Change contents
9TG24G001 9TG24G002 9TG24S001 9TG24S002	Attached Sheet 2
9TG24P0G01 9TG24P0G01-C 9TG24P0G03 9TG24P0G04 9TG24P0G01-A01 1032-106231	Attached Sheet 3
9TG24P0S01 9TG24P0S03 9TG24P0S04 9TG24P0S05	Attached Sheet 4
9TG24P0SD03 9TG24P0HD03	Attached Sheet 5
9TG48P0G01 9TG48P0G03 9TG48P0G04 9TG48P0G05 9TG48P0G07 9TG48P0G08 1032-106232	Attached Sheet 6

No. A0053355 - Attached Sheet 2

[MODEL]

9TG24G001, 9TG24G002,

9TG24S001, 9TG24S002

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11696	PIC16F1828
	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 - Speed characteristic		Non-applicable	
Sensor spec.		No change	
Life Expectancy		No change	

No. A0053355 - Attached Sheet 3

[MODEL]

9TG24P0G01, 9TG24P0G01-C, 9TG24P0G03, 9TG24P0G04,
9TG24P0G01-A01, 1032-106231

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11696	PIC16F1828
	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		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. A0053355 - Attached Sheet 4

[MODEL]

9TG24P0S01, 9TG24P0S03, 9TG24P0S04, 9TG24P0S05

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11696	PIC16F1828
	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		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. A0053355 - Attached Sheet 5

[MODEL]

9TG24P0SD03,

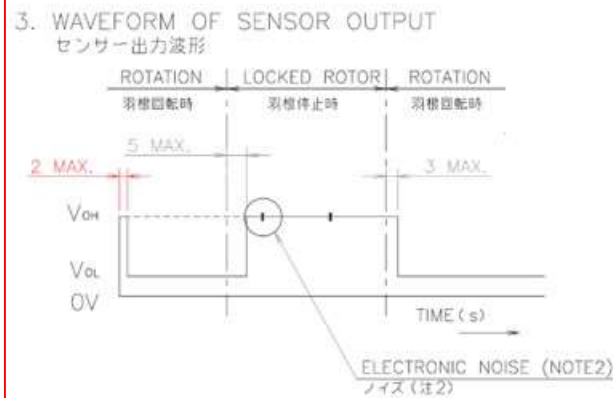
9TG24P0HD03

[Contents of change]

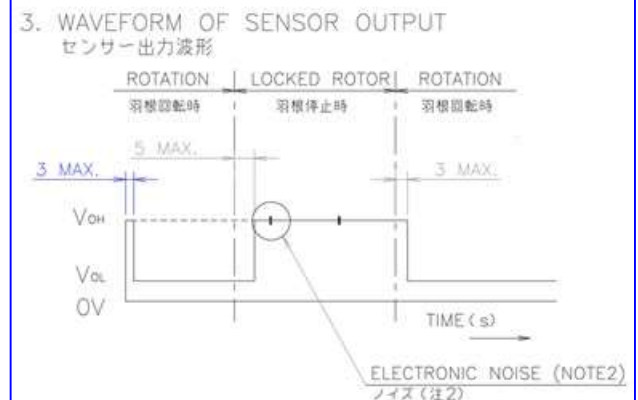
		Before Change	After Change
Motor drive IC	Type name	LB11696	PIC16F1828
	Manufacture	On-semiconductor	Microchip
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Control terminal		No change	
Air flow – static pressure character		No change	
PWM duty cycle - Speed characteristic		No change	
Sensor spec.		Refer to Fig.1	
Life Expectancy		No change	

FIG.1

Before Change



After Change



No. A0053355 - Attached Sheet 6

[MODEL]

9TG48P0G01, 9TG48P0G03, 9TG48P0G04, 9TG48P0G05, 9TG48P0G07, 9TG48P0G08,
1032-106232

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11696	PIC16F1828
	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		No change	
Air flow – static pressure character		No change	
PWM duty cycle - Speed characteristic		No change	
Sensor spec.		No change	
Life Expectancy		No change	