

Design Change Notification

August 25th, 2022To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace 120 (9CR) 120mm sq. x 76mm 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 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. A0053377 - Attached Sheet 1

[MODEL LIST]

San Ace 120 (9CR) – 120mm x 76mm thick

MODEL	Change contents
9CR1212G001 9CR1212G002	Attached Sheet 2
9CR1212P0G03 9CR1212P0G04 9CR1212P0G06 9CR1212P0G07 9CR1212P0G08 9CR1212P0G09 9CR1212P0G10 9CR1212P0G11-1 9CR1212P0G11-2 9CR1212P0G14 9CR1212P0G15 9CR1212P0G16 9CR1212P0G17 9CR1212P0G18	Attached Sheet 3

No. A0053377 - Attached Sheet 2

[MODEL]

9CR1212G001, 9CR1212G002

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11696V	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 - Speed characteristic		Non-applicable	
Sensor spec.		No change	
Life Expectancy		No change	

No. A0053377 - Attached Sheet 3

[MODEL]

9CR1212P0G03, 9CR1212P0G04, 9CR1212P0G06, 9CR1212P0G07, 9CR1212P0G08, 9CR1212P0G09,
 9CR1212P0G10, 9CR1212P0G11-1, 9CR1212P0G11-2, 9CR1212P0G14, 9CR1212P0G15, 9CR1212P0G16,
 9CR1212P0G17, 9CR1212P0G18

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11696V	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		No change	
Air flow – static pressure character		No change	
PWM duty cycle - Speed characteristic		No change	
Sensor spec.		No change	
Life Expectancy		No change	