

Design Change Notification

June 10th, 2022

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace 60 (9CRA) 60mm sq. x 56mm 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. A0053121 - Attached Sheet 1

[MODEL LIST]

San Ace 60 (9CRA) – 60mm x 56mm thick

MODEL	Change contents
109-U0057-01 (9CRA0612P6K014) 9CRA0612P6K001 9CRA0612P6K001-2 9CRA0612P6K004 9CRA0612P6K005 9CRA0612P6K007 9CRA0612P6K009 9CRA0612P6K010 9CRA0612P6K011 9CRA0612P6K012 9CRA0612P6K013 9CRA0612P6K015 9CRA0612P6K018 9CRA0612P6K018-3 1022-107726 1023-106387	Attached Sheet 2
9CRA0612P6J001 9CRA0612P6J008	Attached Sheet 3
9CRA0612P6G001	Attached Sheet 4

No. A0053121 - Attached Sheet 2

[MODEL]

109-U0057-01 (9CRA0612P6K014),
 9CRA0612P6K001, 9CRA0612P6K001-2, 9CRA0612P6K004, 9CRA0612P6K005, 9CRA0612P6K007,
 9CRA0612P6K009, 9CRA0612P6K010, 9CRA0612P6K011, 9CRA0612P6K012, 9CRA0612P6K013,
 9CRA0612P6K015, 9CRA0612P6K018, 9CRA0612P6K018-3,
 1022-107726, 1023-106387

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867FV	BD69730 or BD6973
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Rated electrical current		No change	
Starting current		7.0 [A] nominal 7.7 [A] maximum	9.4 [A] nominal 10.4 [A] maximum
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	

No. A0053121 - Attached Sheet 3

[MODEL]

9CRA0612P6J001, 9CRA0612P6J008

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867FV	BD69730 or BD6973
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Rated electrical current		No change	
Starting current		6.0 [A] nominal 6.6 [A] maximum	7.6 [A] nominal 8.4 [A] maximum
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	

No. A0053121 - Attached Sheet 4

[MODEL]

9CRA0612P6G001

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11867FV	BD69730 or BD6973
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Rated electrical current		No change	
Starting current		3.5 [A] nominal 3.9 [A] maximum	5.4 [A] nominal 6.0 [A] maximum
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	