Design Change Notification

September 7th, 2022

To: Sanyo Denki America Cooling Distributors

SANYO DENKI CO.,LTD.
Design Dept., Cooling Systems Div.

Approved	Checked	Designed
渡辺 '22.08.29 道徳	中村 '22.08.29 俊之	高桑 '22.08.29 宗仙

Product: BLDC FAN MOTOR

Model: San Cooler 80 (9A)　80mm sq. x 25mm thick
(Please refer Attached Sheet for a complete part number list.)

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. A0053373 - Attached Sheet 1

[MODEL LIST]

San Cooler 80 (9A) – 80mm x 25mm thick

MODEL	Change contents
9A0824S401 9A0824S4011 9A0824S4081 9A0824H401 9A0824H4011 9A0824H410 9A0824F401 9A0824F4011 9A0824M401 9A0824M4011 9A0824L401 9A0824L4011 9A0824F4011-A01	Attached Sheet 2
9A0824S402 9A0824S4021 9A0824S4041 9A0824S4051 9A0824S406 9A0824S407 9A0824S4071 9A0824S412 9A0824S414 9A0824S415 9A0824H402 9A0824H4021 9A0824H4041 9A0824H4051 9A0824H4061 9A0824H408 9A0824H409 9A0824H411 109-N0002 109-N0007	Attached Sheet 3

MODEL	Change contents
9A0824F402 9A0824F4021 9A0824F404 9A0824F4051 9A0824F4061 9A0824M402 9A0824M4021 9A0824L402 9A0824L4021 9A0824L403	Attached Sheet 3
9A0824S4D01 9A0824S4D011 9A0824S4D03 9A0824S4D031 9A0824S4D04 9A0824S4D07 9A0824S4D09 9A0824H4D01 9A0824H4D011 9A0824H4D01-D 9A0824F4D01 9A0824F4D011 9A0824M4D01 9A0824M4D011 9A0824M4D03 9A0824L4D01 9A0824L4D011	Attached Sheet 4

No. A0053373 - Attached Sheet 2

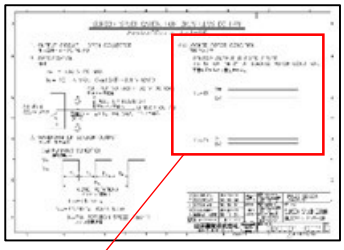
[MODEL]

9A0824S401, 9A0824S4011, 9A0824S4081,
9A0824H401, 9A0824H4011, 9A0824H410,
9A0824F401, 9A0824F4011,
9A0824M401, 9A0824M4011,
9A0824L401, 9A0824L4011,
9A0824F4011-A01

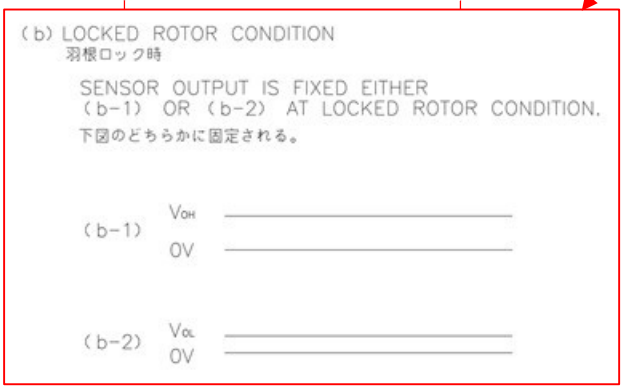
[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB1868M	BA6406
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Air flow – static pressure character		No change	
Sensor spec.		Behavior of pulse sensor when locked rotor condition. Refer to FIG.1.	
Life Expectancy		No change	

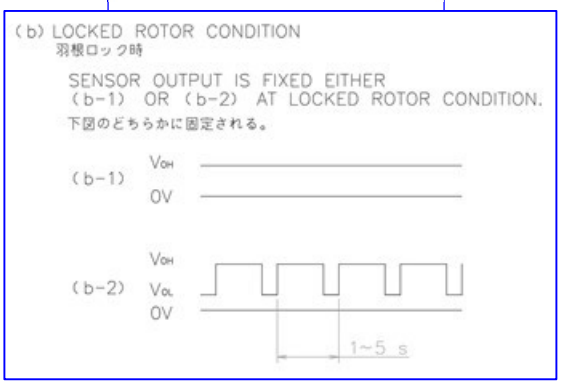
FIG.1



Before Change



After Change



No. A0053373 - Attached Sheet 3

[MODEL]

9A0824S402, 9A0824S4021, 9A0824S4041, 9A0824S4051, 9A0824S406, 9A0824S407, 9A0824S4071, 9A0824S412, 9A0824S414, 9A0824S415,
9A0824H402, 9A0824H4021, 9A0824H4041, 9A0824H4051, 9A0824H4061, 9A0824H408, 9A0824H409, 9A0824H411, 109-N0002, 109-N0007,
9A0824F402, 9A0824F4021, 9A0824F404, 9A0824F4051, 9A0824F4061,
9A0824M402, 9A0824M4021,
9A0824L402, 9A0824L4021, 9A0824L403

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB1868M	BA6406
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Air flow – static pressure character		No change	
Sensor spec.		Non-applicable	
Life Expectancy		No change	

No. A0053373 - Attached Sheet 4

[MODEL]

9A0824S4D01, 9A0824S4D011, 9A0824S4D03, 9A0824S4D031, 9A0824S4D04, 9A0824S4D07, 9A0824S4D09,
9A0824H4D01, 9A0824H4D011, 9A0824H4D01-D,
9A0824F4D01, 9A0824F4D011,
9A0824M4D01, 9A0824M4D011, 9A0824M4D03,
9A0824L4D01, 9A0824L4D011

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB1868M	BA6406
	Manufacture	On-semiconductor	Rohm
Operating voltage		No change	
Electrical current		No change	
Speed		No change	
Operating temp.		No change	
Sound pressure level		No change	
Air flow – static pressure character		No change	
Sensor spec.		No change	
Life Expectancy		No change	