

Design Change Notification

August 25th, 2022

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR

Model: San Ace 80 (9GA) 80mm sq. x 32mm 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 Toshiba.	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. A0053341 - Attached Sheet 1

[MODEL LIST]

San Ace 80(9GA) – 80mm x 32mm thick

MODEL	Change contents
9GA0812A2001	Attached Sheet 2
9GA0812A20011	
9GA0812A2002	
9GA0812A20021	
9GA0812A2D001	
9GA0812A2D0011	
9GA0812B2001	
9GA0812B20011	
9GA0812B2002	
9GA0812B20021	
9GA0812B2003-C	
9GA0812B2D001	
9GA0812B2D0011	
9GA0812L2001	
9GA0812L20011	
9GA0812L2002	
9GA0812L20021	
9GA0812L2D001	
9GA0812L2D0011	
9GA0812P2M001	
9GA0812P2M0011	
9GA0812P2M003	
9GA0812P2M0031	
9GA0812P2M004	

No. A0053341 - Attached Sheet 2

[MODEL]

9GA0812A2001, 9GA0812A20011, 9GA0812A2002, 9GA0812A20021,
 9GA0812A2D001, 9GA0812A2D0011
 9GA0812B2001, 9GA0812B20011, 9GA0812B2002, 9GA0812B20021, 9GA0812B2003-C,
 9GA0812B2D001, 9GA0812B2D0011,
 9GA0812L2001, 9GA0812L20011, 9GA0812L2002, 9GA0812L20021,
 9GA0812L2D001, 9GA0812L2D0011

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11660	TC78B002FNG
	Manufacture	On-semiconductor	Toshiba
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. A0053341 - Attached Sheet 3

[MODEL]

9GA0812P2M001, 9GA0812P2M0011, 9GA0812P2M003, 9GA0812P2M0031, 9GA0812P2M004

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11660	TC78B002FNG
	Manufacture	On-semiconductor	Toshiba
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	