

Design Change Notification

November 2nd, 2022

To: Sanyo Denki America Cooling Distributors

Product: BLDC FAN MOTOR _____

Model: San Ace 120W (9WV) 120mm sq. x 38mm 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 Sentelic or 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. A0053669 - Attached Sheet 1

[MODEL LIST]

San Ace 120W (9WV) – 120mm x 38mm thick

MODEL	Change contents
9WV1212J1002 9WV1212J1D001 9WV1212G1002	Attached Sheet 2
9WV1212P1J001 9WV1212P1J004 9WV1212P1J005 9WV1212P1J006 9WV1212P1J008 9WV1212P1J010 9WV1212P1J011 9WV1212P1JD001 9WV1212P1JD003	Attached Sheet 3
9WV1224J1001 9WV1224J1002 9WV1224J1H003	Attached Sheet 4
9WV1224H101 9WV1224H102 9WV1224H108 9WV1224H1D001 9WV1224M1003	Attached Sheet 5
9WV1224P1J601 9WV1224P1J601-X 9WV1224P1J603 9WV1224P1J604 9WV1224P1J606 9WV1224P1J607 9WV1224P1J608 9WV1224P1J610 9WV1224P1JD601 9WV1224P1JD603	Attached Sheet 6

MODEL	Change contents
9WV1224P1H001 9WV1224P1H003 9WV1224P1H003-X 9WV1224P1H004 9WV1224P1H006 9WV1224P1H007 9WV1224P1H008 9WV1224P1H009 9WV1224P1H010 9WV1224P1H011 9WV1224P1H012 9WV1224P1HD005 9WV1224P1HD006 9WV1224P1H001-A01	Attached Sheet 7
9WV1248J1001 9WV1248J1002 9WV1248J1D001 9WV1248J1D003	Attached Sheet 8
9WV1248P1J001 9WV1248P1J001-2 9WV1248P1J004 9WV1248P1J001-A01 9WV1248P1J001-A02 9WV1248P1J001-A03	Attached Sheet 9

No. A0053669 - Attached Sheet 2

[MODEL]

9WV1212J1002, 9WV1212J1D001,
9WV1212G1002

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11967	STL6600 or STL6800
	Manufacture	On-semiconductor	Sentelic
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. A0053669 - Attached Sheet 3

[MODEL]

9WV1212P1J001, 9WV1212P1J004, 9WV1212P1J005, 9WV1212P1J006, 9WV1212P1J008, 9WV1212P1J010,
 9WV1212P1J011,
 9WV1212P1JD001, 9WV1212P1JD003

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11967	STL6600 or STL6800
	Manufacture	On-semiconductor	Sentelic
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. A0053669 - Attached Sheet 4

[MODEL]

9WV1224J1001, 9WV1224J1002, 9WV1224J1H003

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11850VA	STL6600 or STL6800
	Manufacture	On-semiconductor	Sentelic
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. A0053669 - Attached Sheet 5

[MODEL]

9WV1224H101, 9WV1224H102, 9WV1224H108, 9WV1224H1D001,
9WV1224M1003

[Contents of change]

		Before Change	After Change
Motor drive IC	Pulse sensor Or sensor-less type	LB11867FV	STL6600 or STL6800
	Lock sensor type	LB11867RV	
	Manufacture	On-semiconductor	Sentelic
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. A0053669 - Attached Sheet 6

[MODEL]

9WV1224P1J601, 9WV1224P1J601-X, 9WV1224P1J603, 9WV1224P1J604, 9WV1224P1J606,
 9WV1224P1J607, 9WV1224P1J608, 9WV1224P1J610,
 9WV1224P1JD601, 9WV1224P1JD603

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11850VA	STL6600 or STL6800
	Manufacture	On-semiconductor	Sentelic
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. A0053669 - Attached Sheet 7

[MODEL]

9WV1224P1H001, 9WV1224P1H003, 9WV1224P1H003-X, 9WV1224P1H004, 9WV1224P1H006,
 9WV1224P1H007, 9WV1224P1H008, 9WV1224P1H009, 9WV1224P1H010, 9WV1224P1H011,
 9WV1224P1H012,
 9WV1224P1HD005, 9WV1224P1HD006,
 9WV1224P1H001-A01

[Contents of change]

		Before Change	After Change
Motor drive IC	Pulse sensor Or sensor-less type	LB11867FV	STL6600 or STL6800
	Lock sensor type	LB11867RV	
	Manufacture	On-semiconductor	Sentelic
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. A0053669 - Attached Sheet 8

[MODEL]

9WV1248J1001, 9WV1248J1002,
9WV1248J1D001, 9WV1248J1D003

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11850VA	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. A0053669 - Attached Sheet 9

[MODEL]

9WV1248P1J001, 9WV1248P1J001-2, 9WV1248P1J004,
 9WV1248P1J001-A01, 9WV1248P1J001-A02, 9WV1248P1J001-A03

[Contents of change]

		Before Change	After Change
Motor drive IC	Type name	LB11850VA	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	