

Battery Cooling Blower : NISSAN X-TRAIL

Teardown Report and PCB Circuit Analysis Report

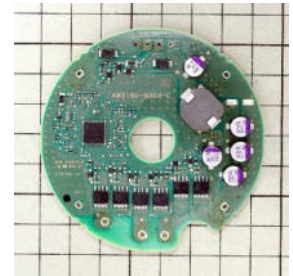


NISSAN X-TRAIL

Source: <https://www3.nissan.co.jp/vehicles/new/x-trail.html>



**External appearance
of cooling blower**



PCB

Overview

As the shift to EVs progresses in the future, cooling of LiBs will become an important factor. Therefore, LTEC conducted product analysis to understand the capabilities of current cooling blowers. Four Battery Cooling Blower are for NISSAN NOTE AURA, TOYOTA/YARIS, HONDA/FIT, and NISSAN/X-TRAIL were analyzed. LTEC released two reports each. (1) Teardown report, (2) PCB circuit analysis report. This is the brochure for NISSAN X-TRAIL, which is SUV type HV.

Product features

- Forced air cooling of lithium-ion batteries (350V, 96Cell, 1.8kWh)
- X-TRAIL sales launch date: Nov. 13, 2000
- Cooling blower Model number: 295D0-6UM0A
 Dimensions: (W)181mm x (L)192mm x (H)72mm, Weight: 697 g
- PCB Size: Φ 74mm x (t) 0.9mm, Number of layer: 4, Number of component: 120

Report Contents

(1) Teardown (17 Pages)

- Teardown process and components measurement (size & weight)
- Identify key ICs and components including datasheet when we find it.
- PCB and other parts connection

(2) Circuit analysis report (33 Pages)

- (1) + Components level detailed schematic and function block diagram

Report price

Delivered one week after order placement

Please contact us for report pricing.

(1) Teardown report

TABLE OF CONTENTS

Page

Summary

Table 1	Product information	...	3
---------	---------------------	-----	---

Product disassembly

Product Overview	...	4
Assembly parts [housing (lower part)]	...	5
Assembly parts [PCB holding part cover]	...	7
Assembly parts [housing (upper part) and stator coil]	...	8
Assembly parts [PCB + connector]	...	9
Assembly parts [PCB]	...	10
Assembly parts [blade]	...	11
Assembly parts [stator coil]	...	12
Assembly parts [housing (upper part)]	...	13

Overview

Fig. 1	PVB Overview	...	14
Fig. 2	Main parts mounting position	...	15
Fig. 3	Moisture-proof material application area	...	16

Connection

Fig. 4	Connection diagram	...	17
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(2) PCB Circuit analysis report

TABLE OF CONTENTS

			Page
<u>Summary</u>			
Table 1	Product information	...	3
<u>PCB Overview</u>			
Table 2	PCB information	...	4
<u>Overview</u>			
Fig. 1	Product Overview	...	10
Fig. 2-1	Product label/stamp 1	...	11
Fig. 2-2	Product label/stamp 2	...	12
Fig. 3-1	Product Teardown 1	...	13
Fig. 3-2	Product Teardown 2	...	14
Fig. 3-3	Product Teardown 3	...	15
Fig. 4	PCB Overview	...	16
Fig. 5	PCB X-Ray	...	17
Fig. 6	PCB Overview (after removing parts)	...	18
Fig. 7-1	L1 Layer View (Top View)	...	19
Fig. 7-2	L2 Layer View (Top View)	...	19
Fig. 7-3	L3 Layer View (Top View)	...	20
Fig. 7-4	L4 Layer View (Top View)	...	20
<u>Parts Location</u>			
Fig. 8-1	Parts Location (Top View)	...	21
Fig. 8-2	Parts Location (Bottom View)	...	22
<u>Elements</u>			
Table 3	Number of mounted parts	...	23
Fig. 9	Elements	...	23
<u>Interface</u>			
Fig. 10-1	Connector 1	...	24
Fig. 10-2	Connector 2	...	25
Fig. 10-3	Connector 3	...	26
<u>Sensor</u>			
Fig. 11	Sensor Location	...	27
<u>Circuit</u>			
Fig. A-1	Block Diagram	...	A-1
Fig. A-2	Schematic	...	A-2
<u>Parts information</u>			
Table B	Parts List	...	B-1