

MON300

Monitoring Card



Specifications

Change History

Document Version	Release Date	Description
V2.2.0	2024-06-26	<ul style="list-style-type: none">• Added the certification related description.• Updated the appearance diagram.
V2.1.3	2021-02-06	Added the certification information.
V2.1.2	2020-07-01	<ul style="list-style-type: none">• Added the product introduction.• Added the net weight data.• Updated product feature descriptions.• Optimized the dimensions diagram style.• Optimized the specifications table.

Introduction

The MON300 is a monitoring card designed for engineering projects and projects with high safety requirements. It works with the MRV320 and MRV560 receiving cards.

Certifications

EMC, RoHS, PFOS

If the product does not have the relevant certifications required by the countries or regions where it is to be sold, please contact NovaStar to confirm or address the problem.

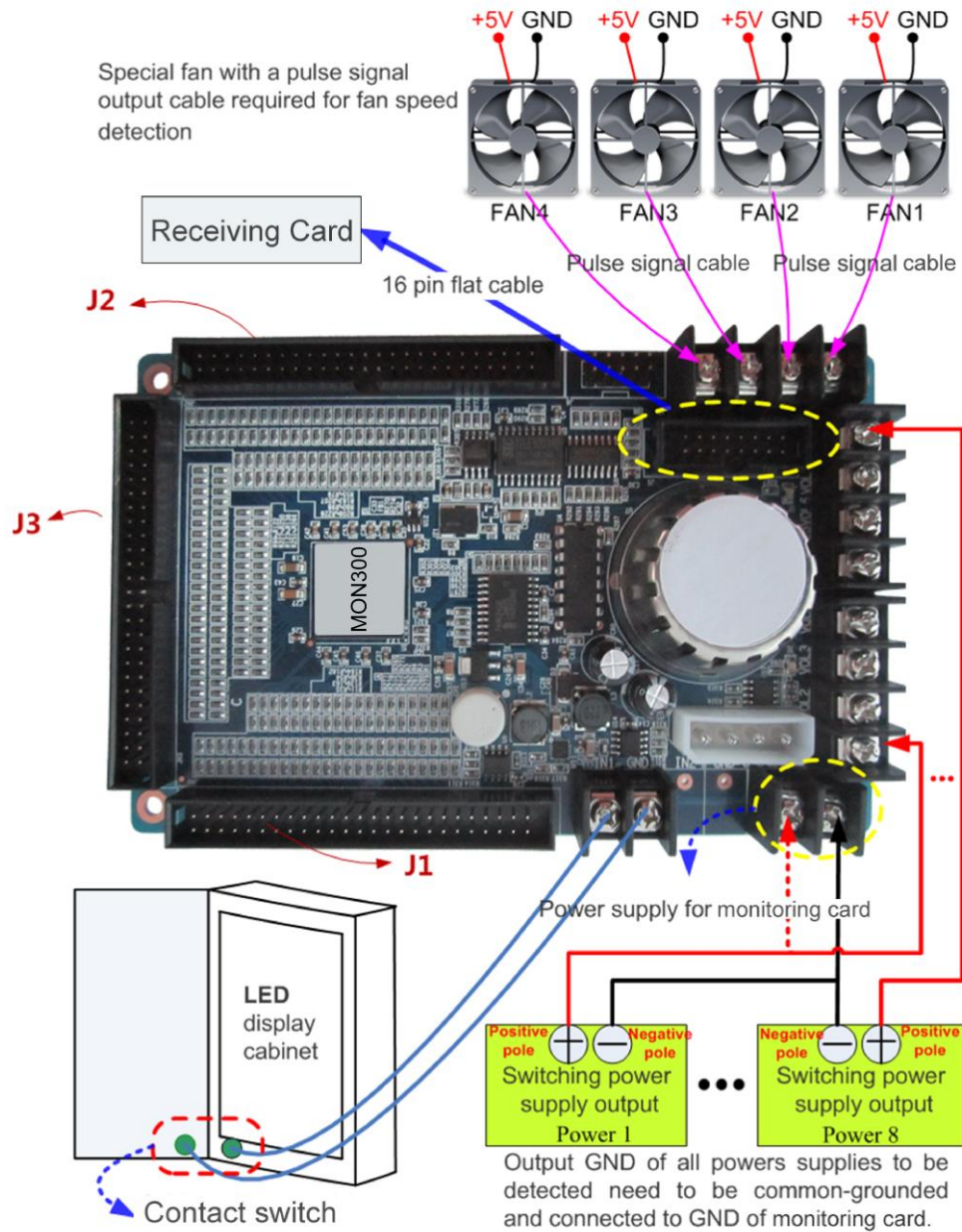
Otherwise, the customer shall be responsible for the legal risks caused or NovaStar has the right to claim compensation.

Features

- Open circuit detection for each LED (The supporting driver IC and hub board required)
- Flat cable fault detection (The supporting hub board required)
- Cabinet temperature detection (No need to buy an extra module)
- Cabinet humidity detection (No need to buy an extra module)

- Voltage detection of 8 power supplies
- Speed detection of 4 fans
- Cabinet door open/close status detection

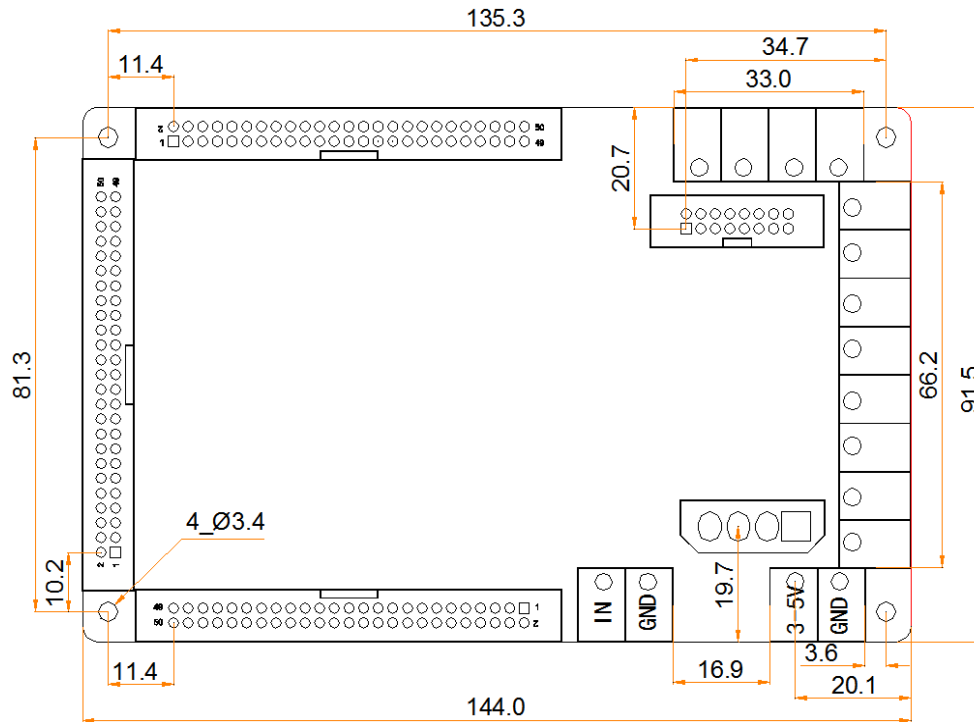
Appearance



All product pictures shown in this document are for illustration purpose only. Actual product may vary.

Dimensions

The board thickness is 1.6 mm, and the total thickness (board thickness + thickness of components on the top and bottom sides) is about 22.5 mm.



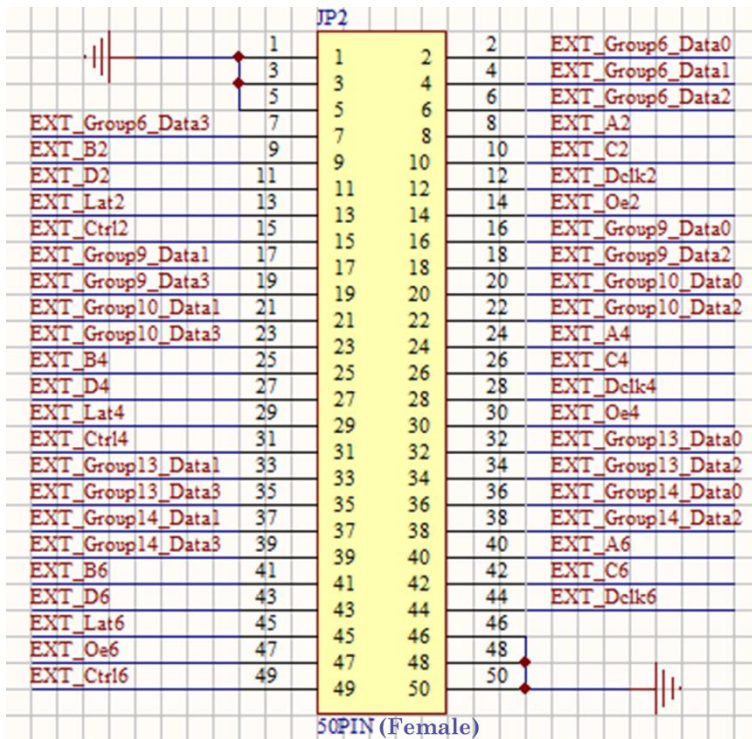
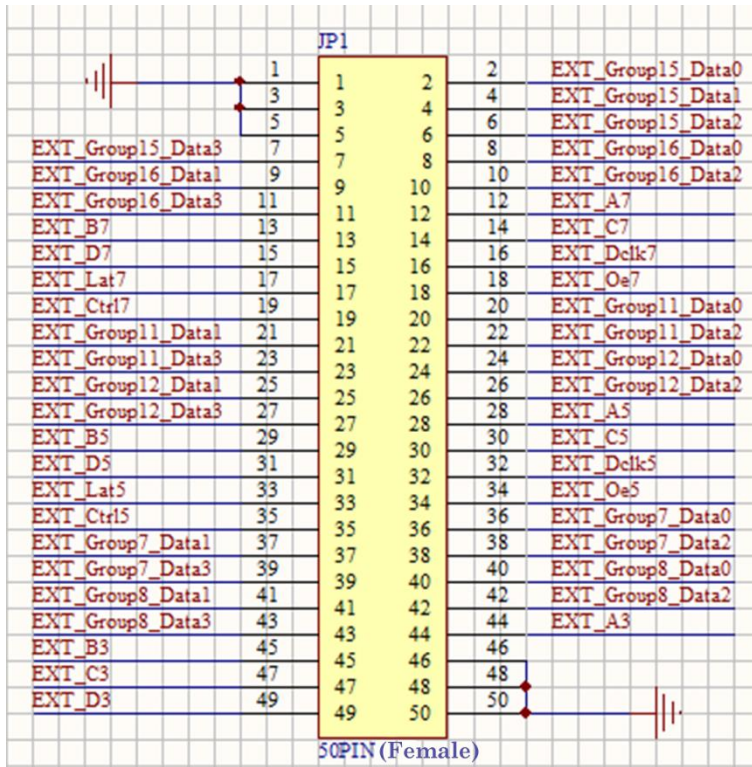
Tolerance: ± 0.3 Unit: mm

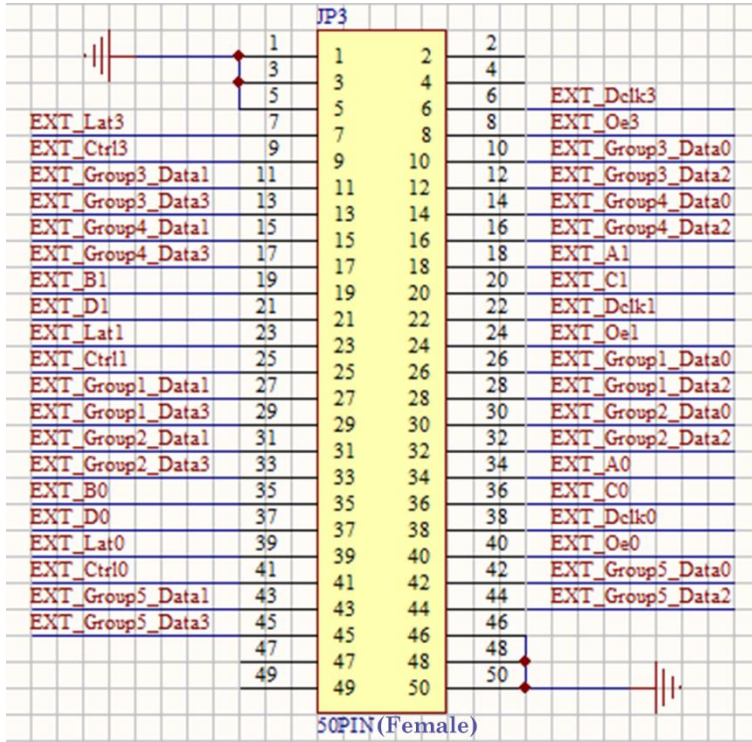
Note

To make molds or trepan mounting holes, please contact NovaStar for a higher-precision structural drawing.

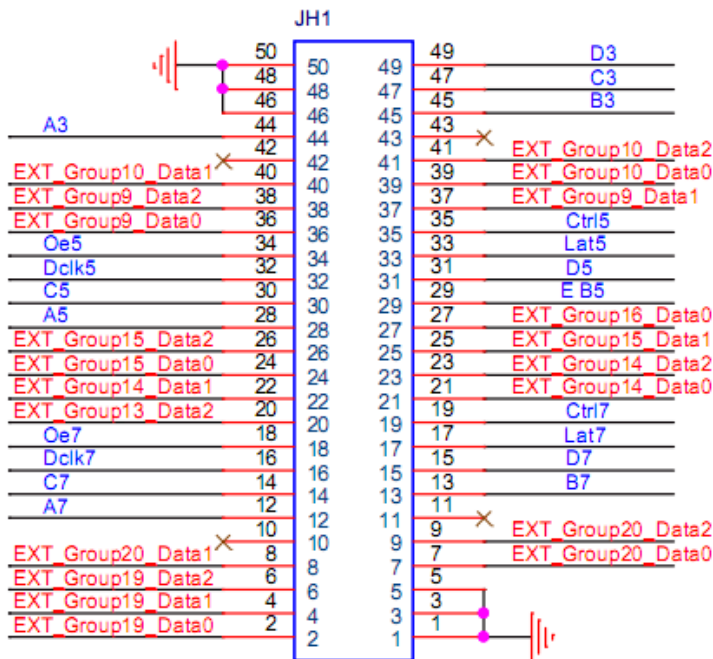
Pins

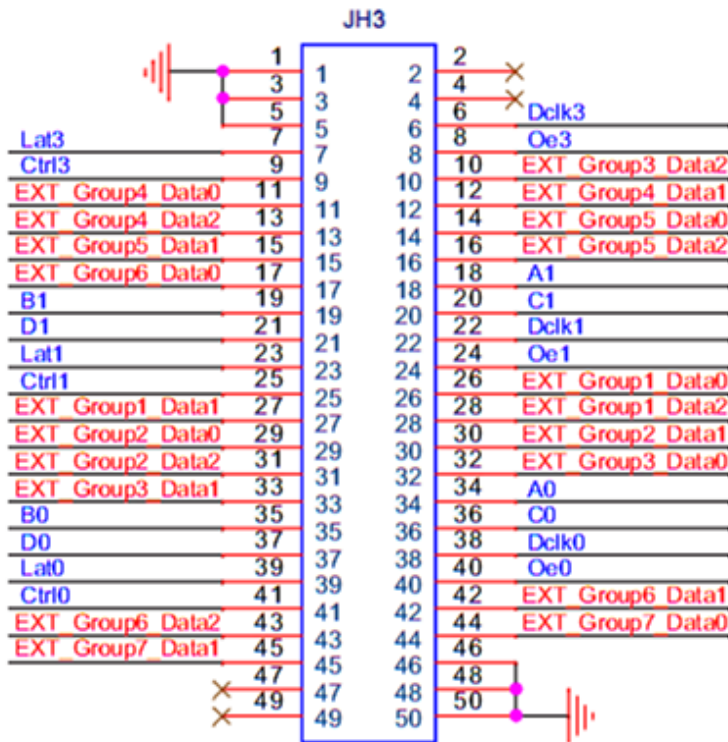
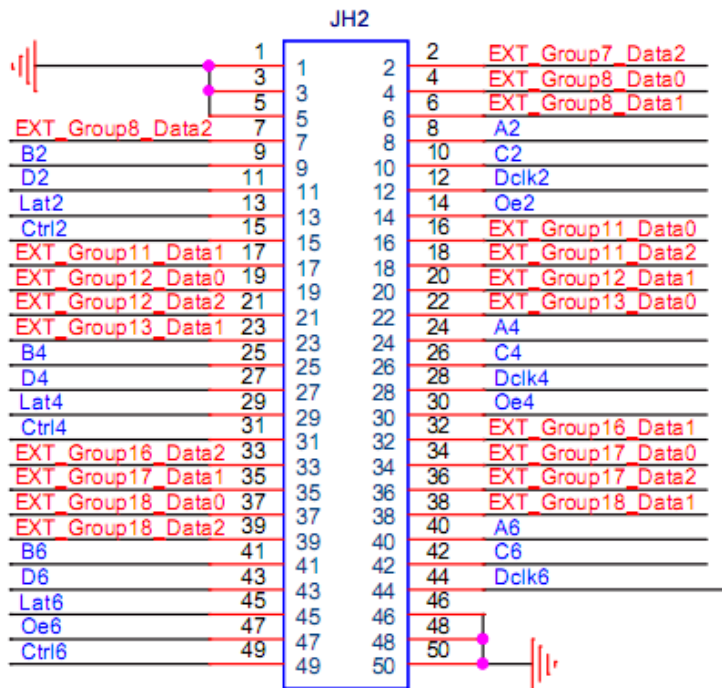
16 Groups of Data





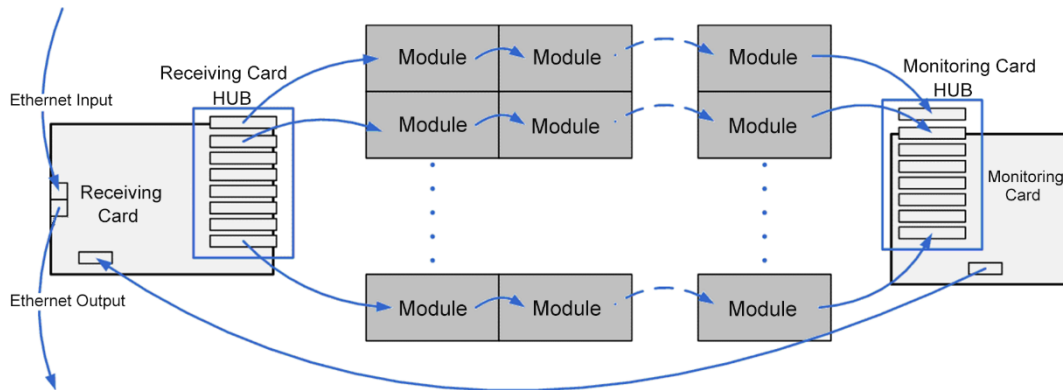
20 Groups of Data



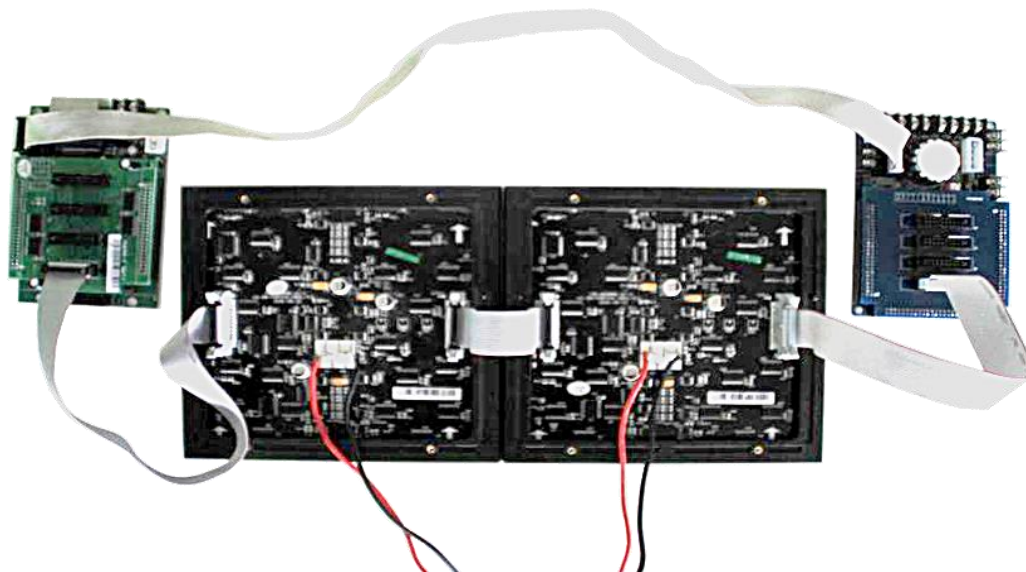


Connections

Illustration



Physical Connection Diagram



Specifications

Electrical Specifications	Rated voltage	DC 5.0 V
	Rated current	0.15 A
	Rated power consumption	0.75 W
Operating Environment	Temperature	-20°C to 60°C

of MON300	Humidity	0% RH to 95% RH, non-condensing
Operating Environment of Smoke Sensor	Temperature	-20°C to 60°C
	Humidity	0% RH to 60% RH, non-condensing
Physical Specifications	Dimensions	144.0 mm × 91.5 mm × 22.5 mm
	Net weight	115.7 g
Monitoring Indicators	Humidity	1% RH to 99% RH
	Smoke	FW HW < 0.7 Mev
	Voltage	0 V to 12 V



Caution

DO NOT apply the conformal coating to the MON300 surface, otherwise its humidity monitoring function may fail.

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