

MIC Specification

Customer	
Product number	HJ-ZLM-X8-V1.0
Date	2021-9-25
Version	V1.0
compile	
Audit	
Authorize	
The customer to confirm	
Customer seal	

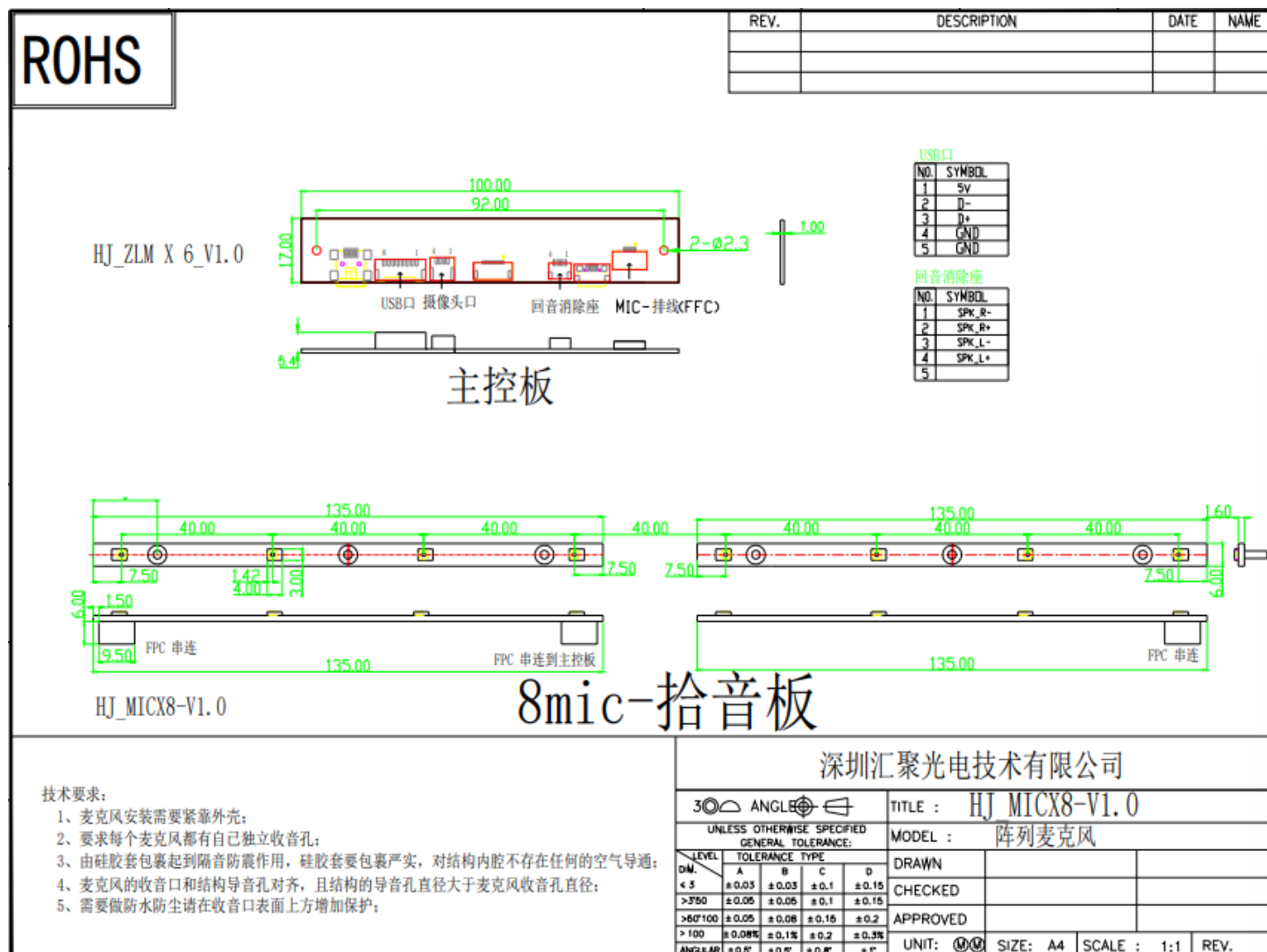
Product specification catalogue

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1. Key Specifications

Item	Spcification
Microphone Type	Linear Equidistant Array Microphone
Number of Digital Mics	8
Signal/Noise Ratio	67db
Sensitivity	-26±3db
Pickup Distance	10 m
Sampling Rate	16KHz
Sampling Bit Depth	16bit
Supported Functions	Echo Cancellation Beamforming Environmental Noise Suppression Sound Source Localization
Number of Pickup Boards	2
Pickup board Size	135×6×1.6mm
Main Board Size	100×17×1mm
System Compatibility	Windows7/10; Andirod7.0
Cable	cable #1. 3 meter usb type A cable with label at the end cable #2. 2.1 meter usb extension cable(male to female) labeled at both end

2. Module Mechanical Dimension



3. Electrical Parameters

Item	Specification
Communication Type	USB2.0/3.0
Power Supply	USB
Working Voltage	USB 5V $\pm$ 5%
working Current	<300mA

4. Storage Condition

Item	Specfication
Storage Temperagture	-10℃ $\sim$ 40℃
Storage Humidity	30% $\sim$ 70% RH
Time	6 month

5. Reliability test

Item	Specification
Low temperature operation	Temp: -20℃, Duration: 48h
Low temperature storage	Temp: -20℃, Duration: 48H
High temperature operatino	Temp: 60℃, Duration: 48H
High temp and high humidity operation	Temp: 60℃, Humidity: 95%RH, No condensation, Duration: 48H
High temp and high humidity Storage	Temp: 60℃, Humidity: 95%RH, No condensation, Duration: 48H
Temperature Change Test	Temp: -20℃ $\sim$ 60℃, Cycle:10, Rate: 1℃/min
Temperature Shack	High Temp: 70℃, Low Temp: -40℃, 50 Cycles

6 Precautions

- The housing opening should be more than 2 times larger than the pickup hole.
- The microphone's sound inlet and the structural sound guide hole must be aligned, and the diameter of the structural sound guide hole should be larger than the microphone's sound inlet diameter.
- Each microphone requires a separate sound pickup hole.。
- Please do not stack PCBAs on top of each other.
- For waterproof ~~拾音板~~ dustproof requirements, add protection above the sound pickup opening surface.
- The housing must be in close contact with the pickup board.