



DONGGUAN ZCONNLINK ELECTRONIC TECHNOLOGY CO. , LTD

SPECIFICATION FOR APPROVAL

Customer Name: MAKEBLOCK

Customer P/N: EW010497000

Material Name: Internal NFC Antenna

Supplier P/N: 830106030108

Description: CZ001 NFC V1.1 Antenna

Version: V1.1

Customer Approval		
Engineer	QA	Approval
Signed Or Sealed		
Date	2025.06.02	

Supplier Name: Dongguan Zconnlink Electronic Technology Co.,Ltd

Supplier Address: No:90 Dapantian Road,Jingju Village,Dalingshan Town Dongguan City

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E-mail: jonathan.lee@zconnlink.com



SPECIFICATION

Supplier P/N: 830106030108

Description: CZ001 NFC V1.1 Antenna

Material Name: Internal NFC Antenna

Supplier Name: ZCONNLINK

Manufacturer: ZCONNLINK

Remark: _____

Prepared	Review	Approval
Eric Wang 2025.06.02	Sally Lee 2025.06.02	Jonathan Lee 2025.06.02



Resume					
Version No:	Modify Chapter	Modify Page	Effective Date	Modify Content	Revision Recoder
V1.1			2024.08.19		

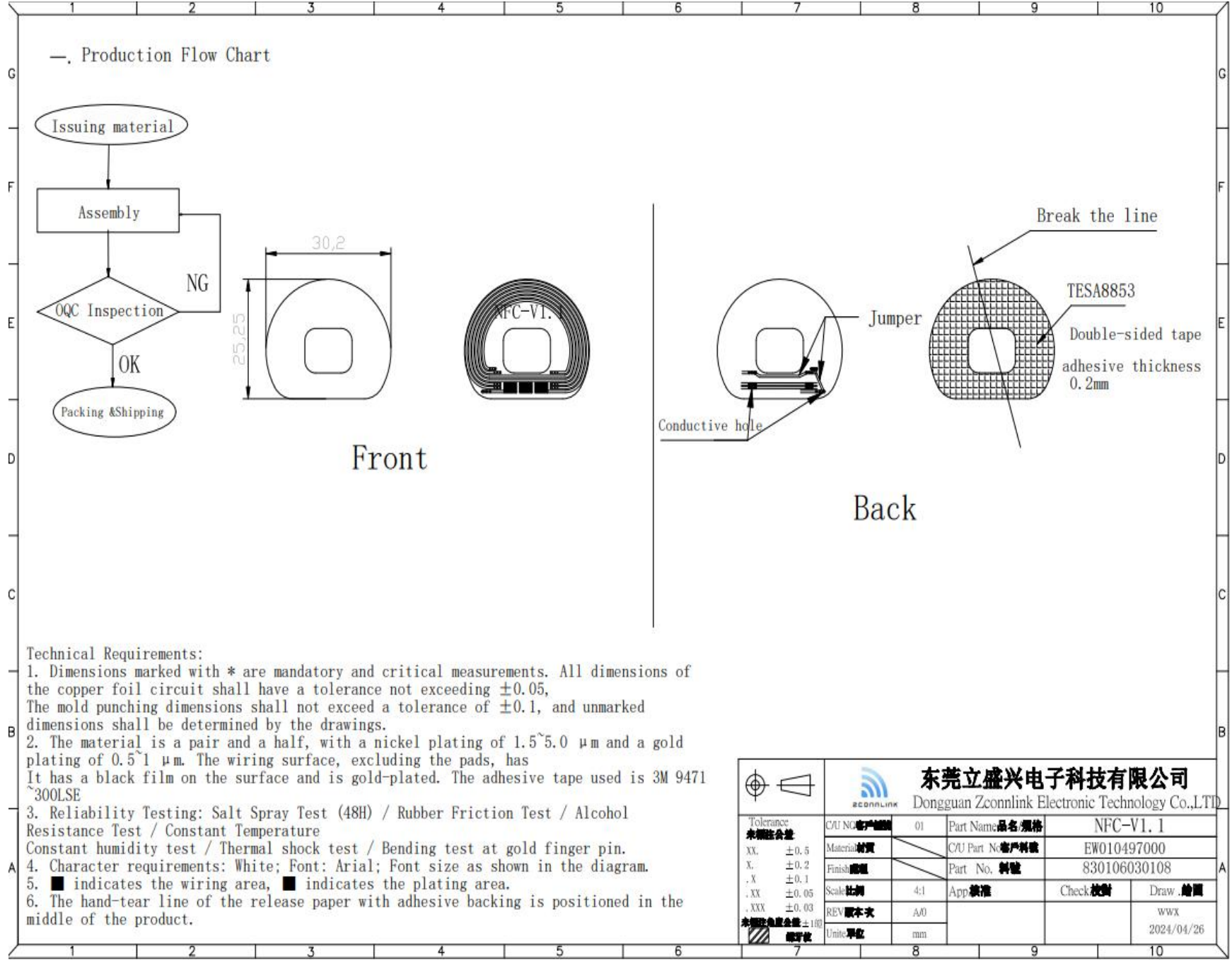


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One. Engineer Drawing





Electrical Parameters:

Frequency Band	13.56MHz
Shortage Temperature	-20℃~+65℃
Operating Temperature	-20℃~+65℃

Two. Material List

No:	Part Name:	Major material
1	Main body	FPC
2	Stiffener	PA
3	Double-sided tape	TESA8853



Three:Environment And Reliability Test

Test item	Test basis	Judge requirement	Test equipment	Sample no Rejects (PCS)
Vibration	According to the B/T2423.48-199 prescribed method	1.No structural damage 2.Electrical meets the standard	Vibration tester	10/0
Drop	According to the B/T2423.8-1995 prescribed method	1. Drop height (mm) 1000 2. Smooth floor surface 3. Total number of falls (No:) 80	Drop tester	10/0
Constant temperature and humidity	According to the B/T 2423.3-93 chapter 5 prescribed method	1. Temperature (°C) 40 ± 2 2. humidity (%) 90~95 3. Time (h) 21 4. Recovery time (h) 1	Constant temperature and humidity Tester	10/0
Salt spray	B/T 2423.17-93 Temperature 55°C humidity $\geq 95\%$ NaCl ≥ 5	After working for 48 hours, remove and air-dry for 2 hours before resuming normal operation	Salt spray tester	10/0
High-temperature storage	B/T 2423.4-93 Temperature 70°C	1.24-hour recovery to room temperature 2.No structural damage 3.Electrical meets the standard	Constant temperature and humidity Tester	10/0



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Four. NFC Performance Test

HP8753D

