

	Project: 0009	Part NO. 97570-001-AB	Rev. B
	Title: NFC antenna 48*28*0.3 ROHS		
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Revision History

Revision	Originator	Change History	Date
A	Doris	New Release	01/18/2019
B	HF	Update size from 3.6mm to 1.20mm	11/12/2019

Manufacturer: Inventus Power, INC

Manufacturer Address: No.921 Xingye Road, Nancun Town, Panyu, Guangdong province, China

Drafted by Doris	Checked by: Pecky	Approved by: Jason
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COMPONENT SPECIFICATION

A) GENERAL

- 1) MANUFACTURER Amphenol
2) MANUFACTURER PART NO. IS5769-12-001-C

B) ELECTRICAL

Seychelles NFC Antenna Datasheet



Application

- Mobile phone, headset, battery pack

Features

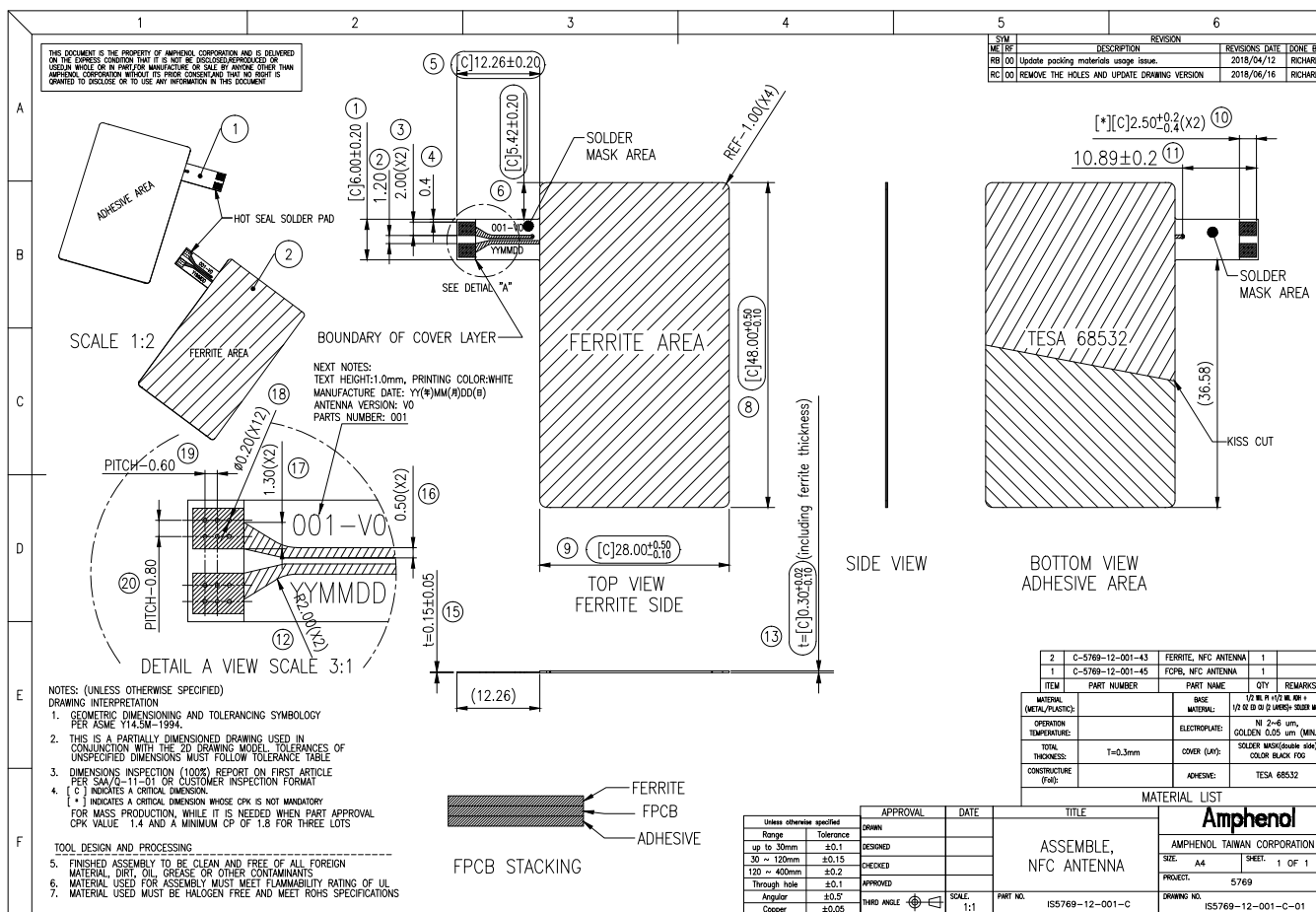
- NFC Frequency: 13.56MHz; VSWR: N/A; Max Gain: N/A

Standard Electrical Specifications	
NFC Properties	
Impedance Rmatch @13.56MHz (Ω)	TBD
Inductance (Standalone) L@1MHz (μ H)	1.9 $\pm$ 0.5
Inductance (With Mechanics) L@1MHz (μ H)	TBD
Serial Resistance Rs@1MHz (Ω)	0.8 $\pm$ 0.3
Self-Resonance Frequency fr0 (MHz)	$\geq$ 65
RP fres(K Ω)	>6
Nb turns	4
Antenna Quality Factor	60 $\pm$ 10
Connection Pads (mm)	3.25x2
Antenna Coil sq. minimal (mm ²)	1269
NFC Ferrite Properties	
Ferrite Permeability u'@13.56MHz	150 $\pm$ 15%
Ferrite Permeability u''@13.56MHz	<3(typ.)
Ferrite Thickness (mm)	0.14

General Information	
Operating Temperature	Storage Temperature (in original packaging)
-30°C up to 70 °C	-30 °C up to 70 °C

Note: All spec. measured by NFC antenna only.(Without Mechanics)

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