

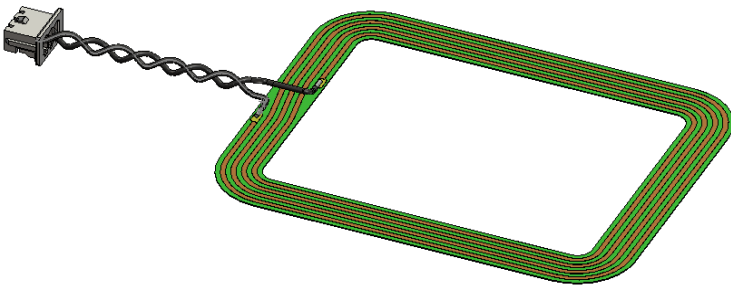
Description: NFC Planar Sheet Antenna
with wire and connector

Series: NFC

PART NUMBER: W7000XXXX

Features:

- Frequency 13.56 MHz
- Antenna size 43 x 34 mm
- Cable length see page 3
- Connector Molex Picoblade



Applications:

- Near Field Communication
- Pairing devices
- Sharing information between devices
- RFID

All dimensions are in mm / inches

Issue: 2023

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

For more information:

Pulse Worldwide Headquarters
15255 Innovation Drive #100
San Diego, CA 92128
USA
Tel: 1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Co, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg, 4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998



Series: NFC**Description:** NFC Planar Sheet Antenna
with wire and connector**PART NUMBER: W7000XXXX****ELECTRICAL SPECIFICATIONS**

Frequency Range*	13.56MHz
Reading distance (mm)*	36 Grid scan (avg)
Self Resonance Frequency**	65.5MHz
Inductance @ 13.56MHz**	1.27 ~1.44 μ H
Impedance @13.56MHz**	50 Ohm
Resistance @13.56MHz**	2.2 Ohm
Q-factor @13.56MHz**	31~49

Note: Measured in Device mock-up

*With matching network

**Bare coil without any matching network

MECHANICAL SPECIFICATIONS

Overall Length	43x34mm
Antenna Material	FPC (total thickness 0.1mm) + Cable
Connector type	Molex Picoblade 51021-0300
Cable type	0.52mm, multithread wire AWG 30

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30 ~ +85° C
Storage Temperature	-30 ~ +85° C
RoHS Compliant	Yes

Issue: 2023

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

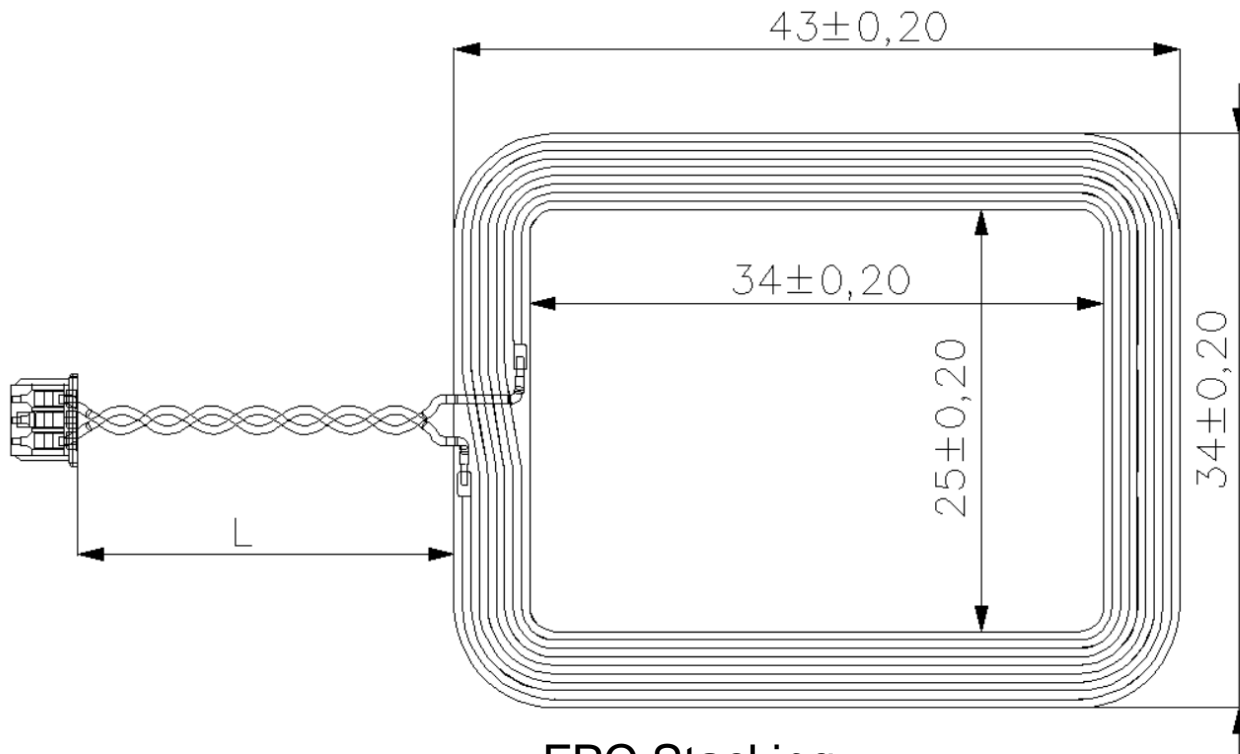
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: NFC Planar Sheet Antenna
with wire and connector

Series: NFC

PART NUMBER: W7000XXXX

MECHANICAL DRAWING



FPC Stacking

=====	Solder resist: Lituoda LS8600, or PSR 9000 FLX 501
=====	Plating: OSP
=====	Copper: ED copper 18µm
=====	Substrate: PI, Thickness 25µm
=====	Adhesive: 3M 467, Thickness 50µm

Part Number	L (mm)
W7000	22.3
W7000T0070	70
W7000T0080	80

Unit: mm

Issue: 2023

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Series: NFC

Description: NFC Planar Sheet Antenna
with wire and connector

PART NUMBER: W7000XXXX

PACKAGING

10pcs / PE BAG
20pcs PE BAG / FOAM BAG
9pcs FOAM BAG / BOX

ASSEMBLY

Mounting with adhesive tape 3M467

Issue: 2023

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

W7000