

PROX'N'DRIVE PILOTFISH LOW POWER CONTACTLESS SMARTCARD READER



Prox'N'Drive is an ISO 14443 (A,B & B') and Mifare contactless reader (« reader-only device ») scanning contactless cards/ tags : after a scan, the Prox'N'Drive sends the read data using serial communication. Featuring an innovative low power card detection system and designed to be installed behind a windscreen or a window, it is the ideal coupler for car-sharing applications.

KEY FEATURES

Being both compact and flexible, Prox'N'Drive is ideal for in-vehicle application. A single cable conveys both single 10V DC power and the RS-232 interface. The front panel shows 3 high-luminosity LEDs for user information. The low power card detection system make it possible to put both the reader and its host system in deep standby mode until a contactless card, RFID tag or NFC object is waved other the antenna. The reader is customizable with your logo.

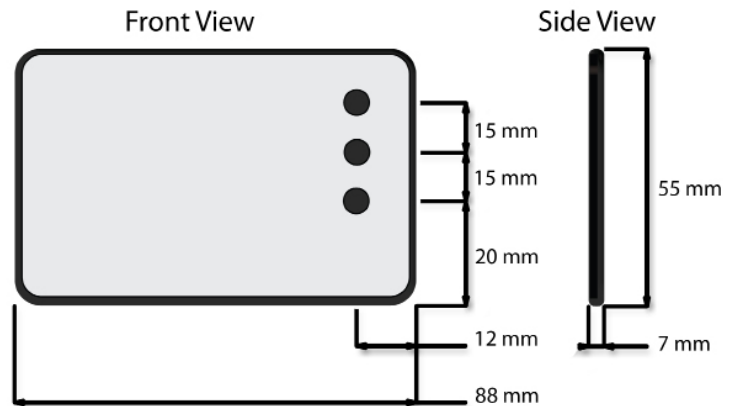
A FEW TYPICAL APPLICATIONS

- Car-sharing,
- Battery-powered kiosks,
- Active display windows.

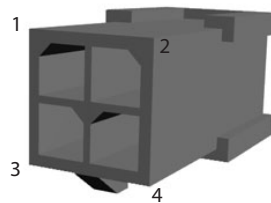
ABOUT SPRINGCARD

SpringCard products are designed and manufactured in France, and distributed worldwide.

With 12 years of expertise in smartcards, contactless, RFID and NFC, SpringCard is the ideal partner to make your project a success.



TE CONNECTIVITY part number 794616-4



PIN Assignments

1	GND
2	RS232 OUTPUT
3	RS232 INPUT
4	PWR

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A PRO ACTIVE BRAND
Pro Active

PROX'N'DRIVE PILOTFISH CONTACTLESS SMARTCARD READER



TECHNICAL SPECIFICATIONS

Contactless smartcard interface

Standards	ISO/IEC 14443 A, B and B'
RFID carrier	13.56 MHz
Operating distance	Up to 8 cm depending on card and on environment
Card baud rate	106 kbps

Supported cards (partial list) :

- NXP (Philips) MIFARE Classic & UltraLight
 - NXP (Philips) DESFIRE, SmartMX, ProX
 - Calypso (CD97, CD21, GTML, etc)
- And virtually any ISO/IEC 14443 A or B compliant smartcard

Hardware specifications

Dimensions (LxWxH)	88 x 55 x 7 mm
Housing material	ABS - 94VO
Weight	75 g
Cable	100 cm
Connector	TE CONNECTIVITY part number 794616-4

Environment and safety

Operating temperature	- 20 → + 70°C
Storage temperature	- 40 → + 85°C
MTBF	500 000 hours
CE mark	EN50082 / EN55022 class B
Other standards	RoHS, FCC pending

Power supply

3,3V to 24V DC

		3,3V	5V	12V	24V
Consumption	Standby	1545µA	970µA	530µA	305µA
	Typical	105µA	75mA	50mA	35mA
	Maximum	210 µA	145mA	70mA	50mA

Serial Interface

Connector	RS-232
Power supply	10V DC/DC
Baud rate	9600 bps



Self Adhesive foam

color	black
width	0.9mm
temperature	-40°C → +120°C
Resistant to : water, alcool, detergent	

ORDER CODES

PART #	Description
EX2077	Prox'N'Drive PilotFish

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PRO ACTIVE company with a capital of 227 000 €
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