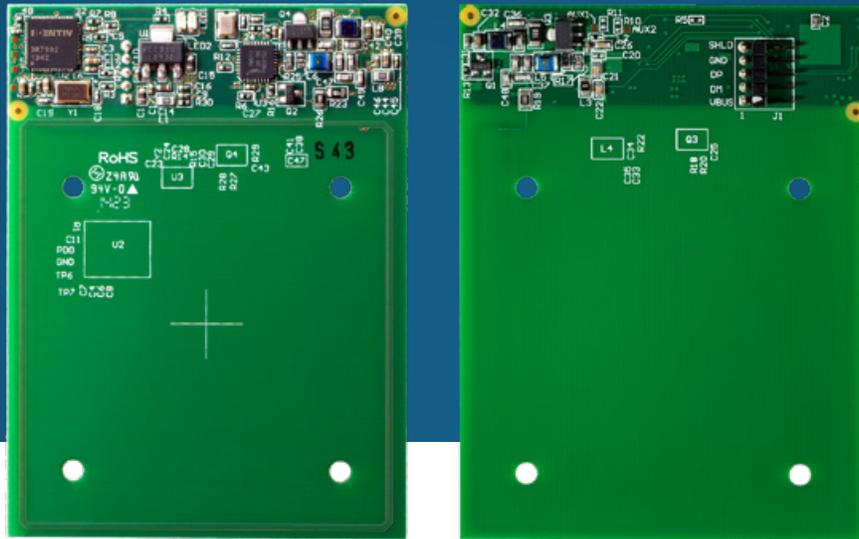


uTrust 3500 F

Contactless Smart Card Reader/Writer Module



Contactless 13.56MHz ISO/IEC 14443 and NFC ISO/IEC 18092, USB-CCID board supports all major PC operating systems and features a power amplifier.

With its all-in-one concept, uTrust 3500 F enables a smooth transition from well-established traditional technologies into emerging NFC applications, supporting new business opportunities. The compact yet easy-to-integrate performance-oriented reader board allows a cost-efficient and smooth integration into virtually all systems, such as kiosks, terminals, or desktop devices. ID-1 cards, any kind of token, or even NFC-enabled smartphones are the ideal credentials for this reader-writer module.

The Identiv driver platform, as well as the Windows Plug-and-Play driver support, allows seamless integration

into any end-user environment with very little or no administration.

The reader board can even be used on Android-based solutions.

Experience convenience, transaction-time efficiency, security, flexibility, and full NFC capability for applications including network log-on, secure web-based transactions, and even NFC-based customer loyalty programs.

uTrust 3500 F is designed for secure in-field firmware upgrades and great reliability, providing excellent return on investment.

Simple Integration

- Convenient, secure, and compact design
- Device drivers for all major PC operation systems
- Integrates into kiosks, terminals, or desktop devices

Convergence

- Supports ISO/IEC 14443 and NFC ISO/IEC 18092 standards
- Works with mixed credential populations, form factors, and technologies

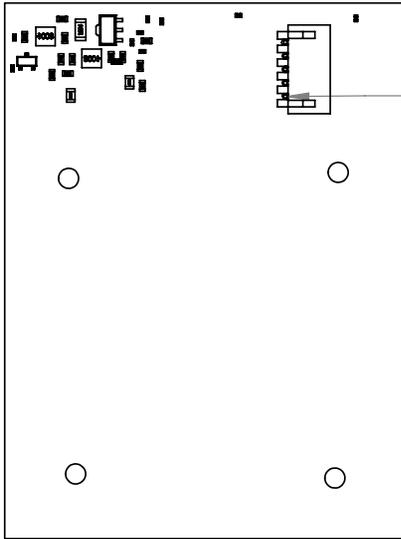
Fast and Flexible

- Quick, reliable transactions
- Full NFC capability for network log-on, web-based transactions, and customer loyalty programs
- Designed for in-field firmware upgrades

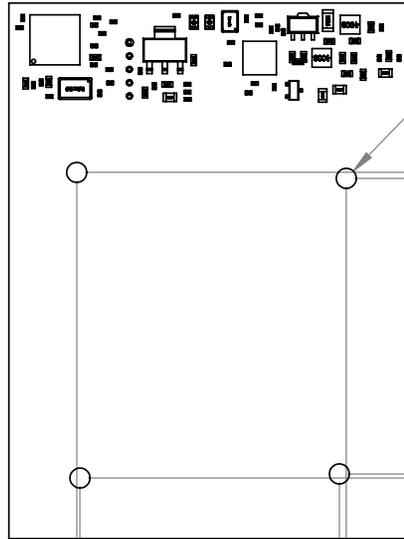
uTrust 3500 F

Parameter	Details
Host Interface	USB-CCID, USB 2.0 Full speed (12 Mbps)
Supported Standards	ISO/IEC 14443, ISO/IEC 18092, JIS: X6319-4 (FeliCa)
Protocols	T=CL
Supported Card Chips	MIFARE® Classic, MIFARE Ultralight, MIFARE Ultralight C, MIFARE PLUS, MIFARE DESFire EV1/EV2/EV3 , FeliCa™, Calypso, CD21, NFC Forum Tag types 1/2/3/4, my-d move – SLE 66RxxP, my-d move NFC – SLE 66RxxPN, SLE 66RxxS, SLE 55RxxE, SONY FeliCa
Data Transfer Rate	106/212/424/848 kbps (depending on card IC)
Reading Distance	Up to 40 mm (1.575 in), depending on card chip type and card antenna size
Antenna	Integrated
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: Windows® 7/8/10/11 (32 and 64 bit), Windows® Server 2008/2012/2016/2019, Windows® 6.0, 7.0, WindowsXP, MacOS 10.9.x - 12.1.x, Linux 2.6.x, and 3.x, 4.x, 5.x (32 and 64 bit), Android 4.0 and higher
Software	PC/SC API
Power Supply	Bus-powered USB
Power Consumption	<200 mA, excluding smart card; <500 µA in Standby Mode
Dimensions	80 x 60 x 8 mm
Weight	10 g
Operating Temperature Range	-20° to 70° C (-4° to 158° F)
Storage Temperature Range	-25° to 85° C (-13° to +185° F)
Operating Humidity Range	Up to 95% RH non-condensing
MTBF	100,000 hours
Connector	5-Pin Molex connector; Part Number: MOLEX (53254-0570) 5 PIN 2 mm CONNECTOR
Status Indicator	Bi-color LED: Red/green
Firmware	SmartOS™
Firmware In-Field Upgradeable	Yes
Systems/Standards	USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, RoHS2, REACH, WEEE, FCC ready
Product Part Number	905502-2

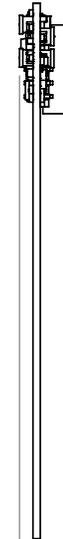
Bottom View



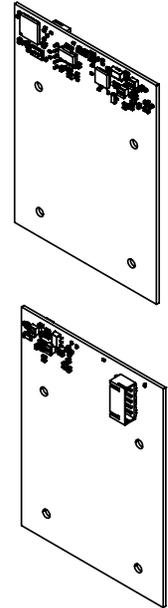
Top View



Right Side View



**Isometric View
Scale; 1:2**



Pin.1
VBus

[.12]
4x Ø 3.00

[.40] 10.15
[.42] 10.63
[1.95] 49.41
[1.99] 50.46
[2.36] 60.00

[.36] 9.06
[.38] 9.67
[2.12] 53.84
[2.15] 54.73
[3.15] 80.03

[.04] 1.10
[.24] 6.02
[.08] 2.03



SCALE : 1:1
MATERIAL : xxxx
FINISHING : xxxx



1.1	25-Feb-2021	Added Pin 1 Mark on the Header
1	22-Jan-2021	Initial Release
REV.	DATE	Rev. History
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APPROVED BY :	DATE :	Description:
CHECKED BY : Munugasamy S	DATE : 25-Feb-2021	Cloud 350x F PCBA R1.0
DRAWN BY : Karthick	DATE : 25-Feb-2021	TITLE : Cloud 350x F
UNIT : [inches]	PART NO. : TBD	REV. 1.1
[mm/Millimeter]	DRW NO. : TBD	SIZE: A4 SHEET 1 OF 1