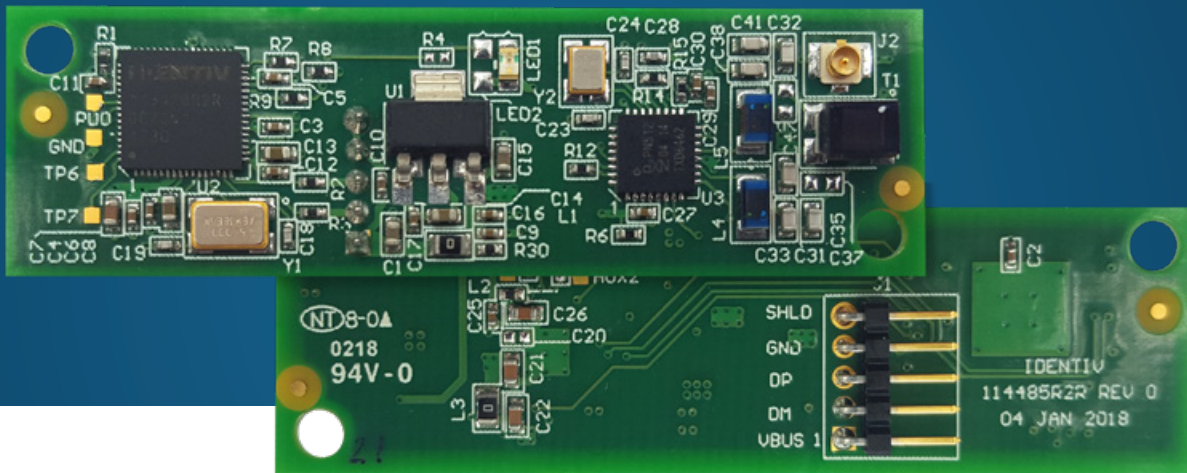


# uTrust 3502 F

Contactless USB CCID Reader Module for External Antennas



Compact module interfaces with external antennas for easy application integration.

Our uTrust 3502 F reader module is compact and contactless, the ideal combination of size and performance. It supports 13.56 MHz and near-field communication (NFC) technology. The PC-linked reader module works in any end-user environment with virtually any type of contactless credentials, including mixed populations.

Seamlessly integrate into any end-user environment with very little or no administration through the Identiv driver platform or Windows® Plug-and-Play driver. uTrust 3502 F can even be used on Android-based solutions.

By easily interfacing with external antennas\*, uTrust 3502 F works with kiosks, terminals, or desktop devices. Depending on the size of the externally connected antenna, the module can read ID-1 cards, the majority of popular contactless credentials available today, and NFC-enabled smart devices that support host card emulation (HCE).

Experience convenience, transaction time efficiency, security, and flexibility with uTrust 3502 F. With NFC, use cases can include user identification, network log-on, secure web-based transactions, government applications like online tax declarations, and customer loyalty programs.

## Integration Flexibility

- Compact, performance-oriented design for external antennas\* (up to 50 ohms)
- Easily integrates into kiosks, terminals, or desktop devices

## Multi-Technology

- Contactless and NFC technologies allow mixed credential populations and form factors
- Supports major card ICs, standards, and technologies

## Fast and Ready to Use

- Transaction time optimized with support of 424 kbps in ISO/IEC 14443 for maximum end-user acceptance
- Driver support for all major PC operating systems

## Return on Investment

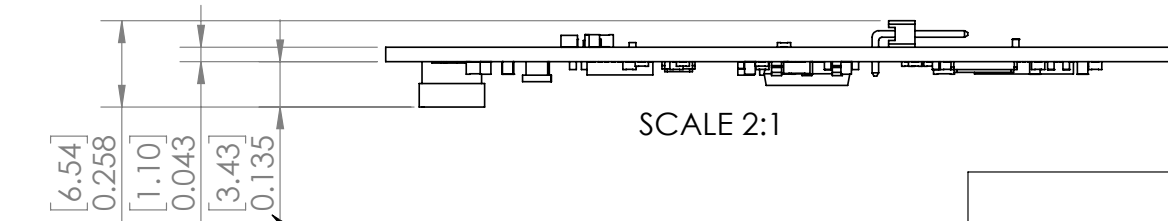
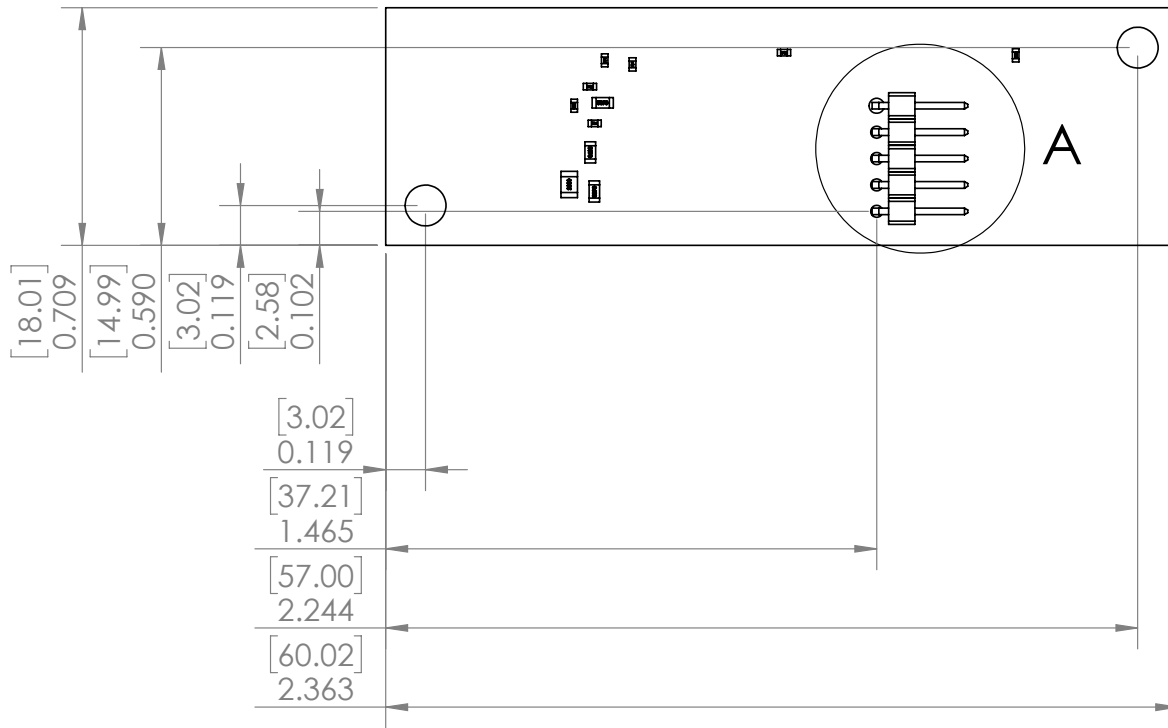
- Secure in-field firmware upgrades

\*Antennas not included.

# uTrust 3502 F

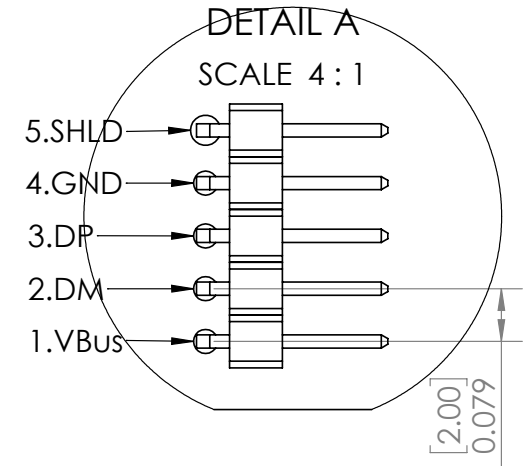
Parameter	Details
Antenna	50 ohm external antenna connected through U.FL connector*
<b>Driver and Software</b>	
PC/SC Driver	PC/SC Specification Ver. 2.01.13 for: <ul style="list-style-type: none"> <li>• Windows® 7/8/8.1/10 (32 and 64 bit)</li> <li>• Windows® Server 2008/2012/2016/2019</li> <li>• MacOS 10.6.x - 10.15.x</li> <li>• Linux 2.4.x, 2.6.x,3.x, 4.x, 5.x (32 and 64 bit)</li> <li>• Android 4.0 and higher</li> </ul>
Software	PC/SC API
<b>Operating Conditions</b>	
Power Supply	USB Bus-powered
Power Consumption	<150 mA, excluding smart card; <500 µA in standby mode
Dimensions	60 x 18 x 6 mm / 2.40 x 0.72 x 0.24 in
Weight	<10 g ± 5% / <0.022ib ± 5%
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
Connector	5-Pin 2mm Molex connector; MOLEX PN: 53254-0570
Status Indicator	Single LED: Green
Firmware	SmartOS™
Firmware In-Field Upgradeable	Yes
<b>Certifications and Compliances</b>	
Systems/Standards	CCID, Microsoft® WHQL
Regulatory/Environmental	CE, FCC ready, RoHS2, REACH, WEEE
<b>Ordering Information</b>	
Product Part Number	905584
*Antennas not included.	

# Bottom Side PCBA

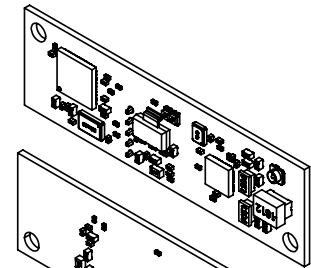


Max Component height

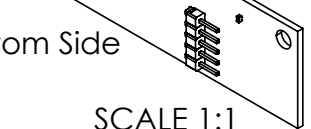
SCALE 2:1



Isometric Top Side



Isometric Bottom Side



SCALE 1:1

		1 10-FEB-2022 Initial Release	
REV.	DATE	Rev. History	
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APPROVED BY :	DATE :	Description:	TITLE :
Reviewer : Srus	DATE : 10-FEB-2022	uTrust 3502 F PCBA Rev 0	uTrust 3502 F
DRAWN BY : Karthick	DATE : 10-FEB-2022	UNIT : MM INCH	SIZE : A4
MATERIAL : xxxx	FINISHING : xxxx	PART NO. : TBD	REV. 0
3rd ANGLE PROJ		DRW NO. : TBD	SHEET 1 OF 1