



承認書 APPROVAL SHEET

◆ TO MESSRS \ 飛捷科技股份有限公司

◆ MODEL NO \ OMNIKEY 5122 Reader Board

◆ PART NO \ OMNIKEY 5122 Reader Board

◆ DATE \ 9-Mar-21

◆ MAKER \ HID

隆電股份有限公司 LONG TRUMP CORPORATION

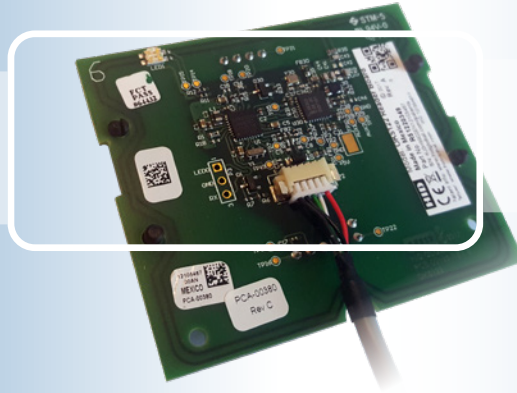
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<http://www.longtrump.com.tw>

OMNIKEY® 5122 Reader Board USB



A DUAL INTERFACE SMART CARD READER BOARD FOR OEMS

- **Quick & Easy Integration** - Unparalleled support and compatibility to ISO 14443 A/B and ISO 7816 standards
- **Versatile Applications** - Ideal device for both contactless and contact smart card technology environments
- **Fast and Secure Data Transmission** - Advanced design and features enable shorter card read time
- **Suits Any Application** - Compatible with virtually any smart card and major PC operating systems

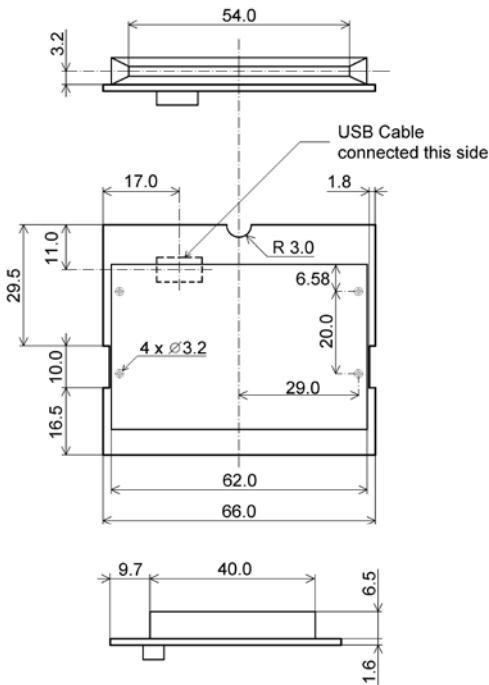
PRODUCT FEATURES:

- Supported cards include MIFARE®, MIFARE DESFire® iCLASS®
- Supports ISO 14443 A&B, iCLASS 15693 and ISO 7816
- Contact unit based on OMNIKEY® 3121
- Up to 424 Kbps transmission rate
- Mounting bracket available
- Small PCB

The OMNIKEY® 5122 Reader Board is a dual interface PC-linked reader that reads/writes to both a 13.56 MHz contactless smart card and virtually any contact smart card. The dual interface feature, implemented on a small PCB, economically supports end-user environments where both contactless and contact smart card technology may be in use. The reader supports contactless smart cards with up to 424 kbps in ISO 14443 transmission mode.

For driver downloads please visit www.hidglobal.com/omnikey

SPECIFICATIONS



Maximum component height is 3.6mm (USB connector)

USB Connector Size:
11.0 x 5.0 mm

Holes not available
if Contact Card Connector is mounted

Tolerances +/-0.2mm



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Base Model Number	OMNIKEY 5122
Dimensions	2.6" x 2.16" x 0.43" (66 x 55 x 11mm)
Weight	Approx. 75 gr / 2.65 oz
Power Supply	Bus powered
Operating Temperature	32-131 F (0-55°C)
Operating Humidity	10-95% rH (not condensing)
HOST INTERFACE	
USB Interface	USB 2.0 Full Speed Device (12 MBps) USB 3.0 extended operability, tested with hubs/controllers
Connector Cable	180 cm / 70.9"
Transmission Speed	12 Mbps (USB 2.0 full speed)
Driver	CCID native driver from operating system (Windows/Linux/Mac)
Supported API's	PC/SC - API
CONTACT SMART CARD INTERFACE	
Standards & Protocols	ISO7816 Class A/B/C T=0, T=1 S=8, S=9, S=10 (I ² C, 2WBP, 3WBP)
Card Size	ID-1 (full-size)
Smart Interface Speed	420 kbps (when supported by card)
Smart Card Clock Frequency	Up to 8 MHz
Supported Card Types	5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, AB and C
Power to Smart Card	60 mA
Smart Card Detection	Movement detection with auto power-off / Automatic detection of smart card type/ Short circuit and thermal protection
8 Pin Handling	C4 / C8 supported
HUMAN INTERFACE	
Status Indicator	Two LED
CONTACTLESS SMART CARD INTERFACE	
Contactless (RFID) Smart Card Interface	T=CL, MIFARE*, iCLASS* ISO 14443A/B - up to 848 kbps (depending on card) iCLASS 15693 up to 26kbps (depending on card) NFC Tag 1,2,4*
Options	Mounting Bracket: On Request
COMPLIANCE AND REGULATORY	
Durability	100,000 insertions
Meantime Between Failure (MTBF)	500,000 hours
Compliance/Certification	USB 2.0
Safety/Environmental	WEEE, RoHS
Warranty	Two year manufacturer's warranty



HID Global
6533 Flying Cloud Drive
Minneapolis, MN 55344 USA

RoHS Recast Compliance Certificate Of Conformity (CoC)

Manufacturer: **HID Global**
611 Center Ridge Drive, Austin, TX 78753 USA

HID Global's **OMNIKEY FAMILY**

3021,3121,6121,3821,6321,3822,4121,4321,5021CL,5022,5023,5025CL,5027,5113,5121,5127,5127CKMini, 5321,5325,5326,5421,5422,5427CK,5427EU,3121,1021.

Are compliant with the materials restrictions of the RoHS Recast (2011/65/EU) and its amendment directive, in particular, Commission Delegated Directive 2015/863, RoHS 3 to restrict four phthalates.

Restricted Substances (and maximum concentration) under scope of certificate of compliance:

RoHS Recast (2011/65/EU)

Pb 1,000 ppm
Cd 100 ppm
Cr6+ 1,000 ppm
Hg 1,000 ppm
PBB 1,000 ppm
PBDE 1,000 ppm
DEHP 1000 ppm
BBP 1000 ppm
DBP 1000 ppm
DIBP 1000 ppm

{Signature}

Moshe Peri

{Printed Name}

Staff Regulatory Compliance

{Title}

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Contact Info



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REACH DoC

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Re: REACH Substances of Very High Concern (SVHC)
Omnikey Family Readers:

***1021,3021,3121,3821,3822,4121,4321,5011,5021CL,5022,5023,5025CL,5027,5113,5121,5122,5127,
5127CKMini,5321,5322,5325,5326,5421,5422,5427CK,5427EU,6121,6321.***

January 19th, 2021

Under Article 33 of EU REACH Regulation (1907/2006), **HID Global** has a duty to communicate to our customers the presence of SVHCs in excess of 0.1% by weight of articles (as defined by Court of Justice of the European Union Case C-106/14) contained in our products.

HID Global has reviewed their products for the presence of the two hundred and eleven (211) SVHC substances on the EU SVHC Candidate List as of January 19th, 2021.

No SVHCs were present in product indicated above, in excess of 0.1% by weight. This determination is based on engineering evaluation, testing, and supplier declarations and is correct to the best of **HID Global**'s knowledge.

Notes –

1. LEDs may contain Hexahydromethylphthalic anhydride (MHHPA) (EC# 247-094-1) > 0.1% w/w.



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The European Chemicals Agency (ECHA) SVHC candidate list is available at:

https://echa.europa.eu/candidate-list-table?p_p_id=disslists_WAR_disslistsportlet&p_p_lifecycle=0&p_p_state=normal&p_p_mode=view&p_p_col_id=column-1&p_p_col_pos=2&p_p_col_count=3&disslists_WAR_disslistsportlet_keywords=&disslists_WAR_disslistsportlet_orderByCol=dte_inclusion&disslists_WAR_disslistsportlet_advancedSearch=false&disslists_WAR_disslistsportlet_casNumber=&disslists_WAR_disslistsportlet_deltaParamValue=50&disslists_WAR_disslistsportlet_andOperator=true&disslists_WAR_disslistsportlet_haz_detailed_concern=&disslists_WAR_disslistsportlet_name=&disslists_WAR_disslistsportlet_orderByType=desc&disslists_WAR_disslistsportlet_ecNumber=&disslists_WAR_disslistsportlet_dte_inclusionFrom=&disslists_WAR_disslistsportlet_dte_inclusionTo=&disslists_WAR_disslistsportlet_doSearch=&disslists_WAR_disslistsportlet_resetCur=false&disslists_WAR_disslistsportlet_delta=200

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