



Advanced Card Systems Ltd.
Card & Reader Technologies

ACM1252U-Z2

Small NFC Reader Module



User Manual V1.00



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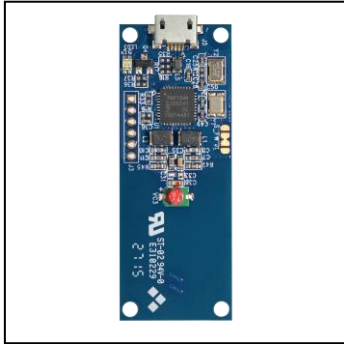
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1.0. Introduction



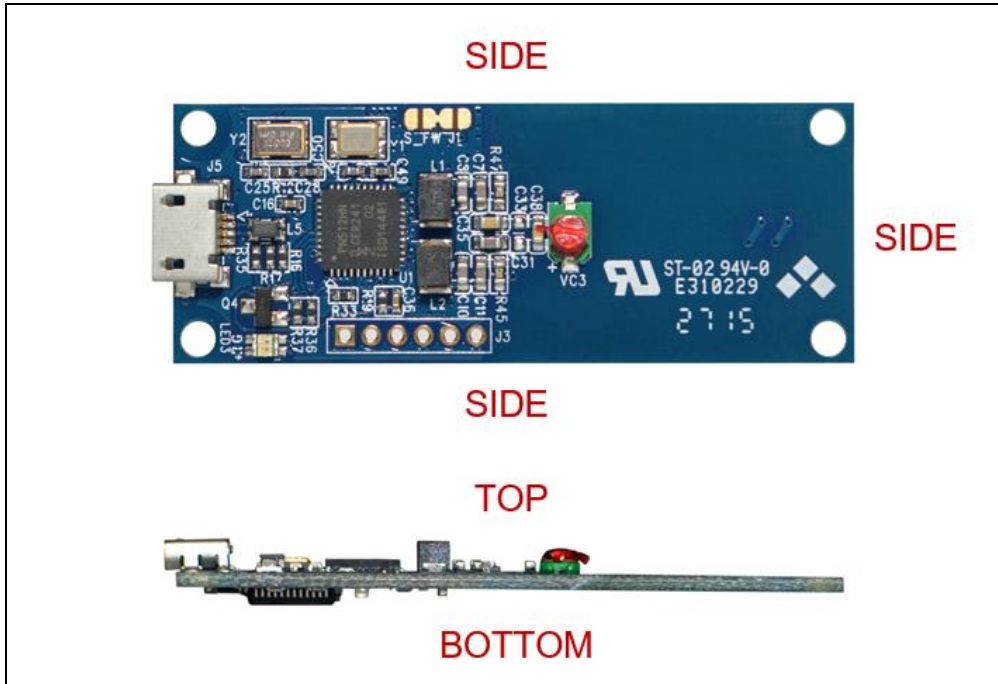
The ACM1252U-Z2 is an NFC reader module developed based on the 13.56 MHz contactless technology. This NFC Reader Module supports all three NFC modes namely card reader/writer, card emulation, and peer-to-peer communication.

The ACM1252U-Z2 supports ISO 14443 Type A and B cards, MIFARE®, FeliCa, and ISO 18092-compliant NFC tags. It also supports other NFC devices with an access speed of up to 424 Kbps and proximity operating distance of up to 30 mm (depending on tag type used).

It is PC/SC-compliant for interoperability across different applications and platforms and provides high-speed communication ability for contactless cards and NFC tags/devices. Post-deployment firmware upgrade is also supported, eliminating the need for additional hardware modification.

2.0. Minimum Distances from Conductive Materials

The table below illustrates the recommended minimum distances of the ACM1252U-Z2 Antenna Board from conductive materials.



Location	Minimum Distance
Sides	10 mm
Top and Bottom	10 mm

Table 1: Recommended Minimum Distances from Conductive Materials