

Exhibit B – Operational Description
BancTec, Inc.
RFID System Assembly, Model 853223

Decscription

This document describes the features and operational characteristics of the RI-STU-TRDC-02 S6350 High Frequency Multi-Protocol Reader. The RI-STU-TRDC-02 reader is shown in **Figure 1**. The S6350 Reader operates at a frequency of 13.56MHz and is compatible with both standard and ISO/IEC 15693 Tag-it inlays and tags. This reference guide provides the details that are necessary to properly interface and use the reader as a part of an integrated system.

In compliance with ISO/IEC 15693 standard, a global open standard for optimal use under different regulatory and noise environments around the world, the S6350 Reader allows for the interoperability of inlays and tags from multiple manufactures.

RFID System Assembly, Model 853323

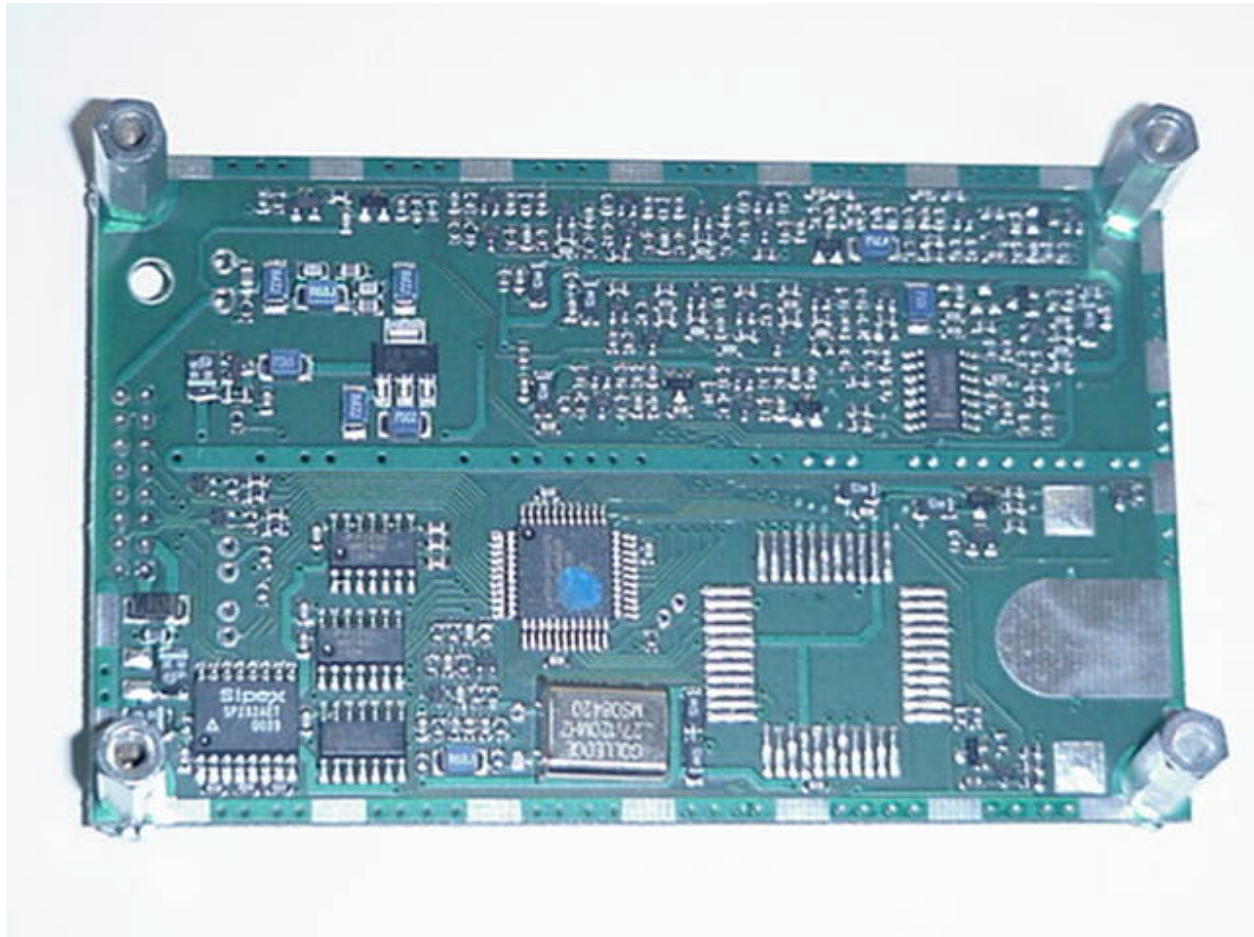


Exhibit H – Product Specification
BancTec, Inc.
RFID System Assembly, Model 853223

2.1 General Specification

This chapter describes the electrical and mechanical specifications of the S6350 RI-STU-TRDC-02 reader. Operating at a frequency of 13.56 MHz, this low profile, low power device is designed to be easily integrated into many systems as an embedded device. All reader I/O is accomplished through the use of a 16-pin header connector (labeled as CN1), to include all communication, which is asynchronous RS232 as controlled by a host system.

2.1.1 Functional Requirements

The following parameters define the functional requirements and operational environment of the S6350 reader.

Parameter	Specifications
Operating temperature	-20°C to +70°C
Storage temperature (500 hours)	-40°C to +85°C
Thermal shock	-40°C to +85°C, using MIL-STD-810E, Method 503.3, for 100 cycles duration, 30 minutes per temperature.
Mechanical shock	5 Gs at 10 ms, half sinusoidal waves, 6 axes (MIL STD-801E, Method 516.3)
Vibration	15 Hz to 500 Hz, 1 g peak, 30 minutes sweep, logarithmic (MIL-STD-810E, Method 514.4)
Humidity	500 hours at 80% humidity, non-condensing at 70°C
Operating frequencies	13.56 MHz up-link and down-link
Transponder types	13.56 MHz TI Tag-it™ tag (Standard & ISO tag)
Standard compliance	FCC Part 15, Subpart C, "Intentional Radiator"

2.1.2 Power Supply

Input Voltage	5 ± .5 VDC
Average quiescent current	90mA
Average current during read (Dependent on read rate)	200mA (for TAG-IT™ tags)
Maximum current during read	250mA

2.1.3 Output Power

Output Power	120mW into 50 Ohms (Typical)
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