MacDonald Humfrey's Hand held HF Tag Reader

Ergonomic Design

Simple Status

Indication Single button Operation

RFID Scanner Connection to PC via USB 1.1

PC USB Connection

Passive RFID Tag

MacDonald Humfrey's HF Hand Held Tag Reader

2.5m "Pigtail" Lead

MacDonald Humfrey (Automation) Ltd

Matrix   L0101

RFID Scanner – Housing

Trigger Button Cover
Thermoplastic Elastomer

Scan Head
(Casing)

(Handle Cover Plate)

MacDonald Humfrey
Part No: 00025505
Serial No: 00002033

Housing Material ABS UL94 HB
Colour - Lava RAL7024

MacDonald Humfrey's HF Hand Held Tag Reader
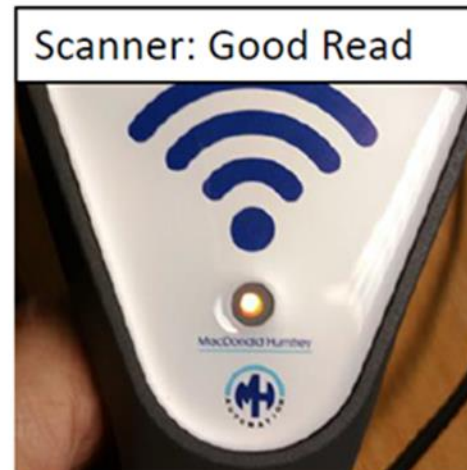
RFID Scanner – LED Status Indication

RFID Tag

To read a tag, with the scanner in Idle mode, hold the scanner head parallel to the RFID Tag and press the orange trigger button.

Scanner Power Up

Powering on LED flashing amber

Scanner: Idle Mode

LED Steady Green – Ready / Idle Mode
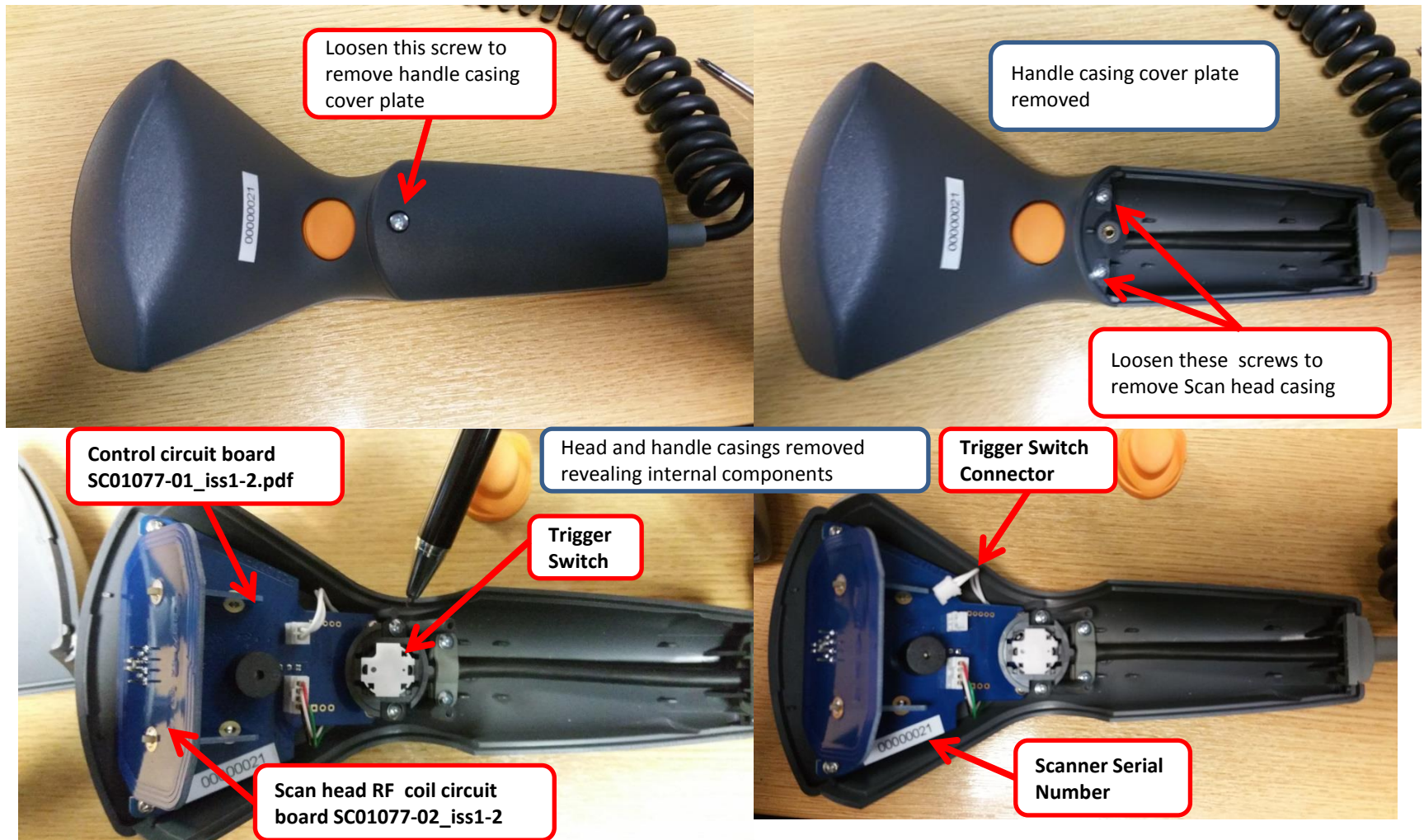
Scanner: Good Read

Good Read - LED indicates steady amber accompanied by a single long duration beep

Scanner: No Read

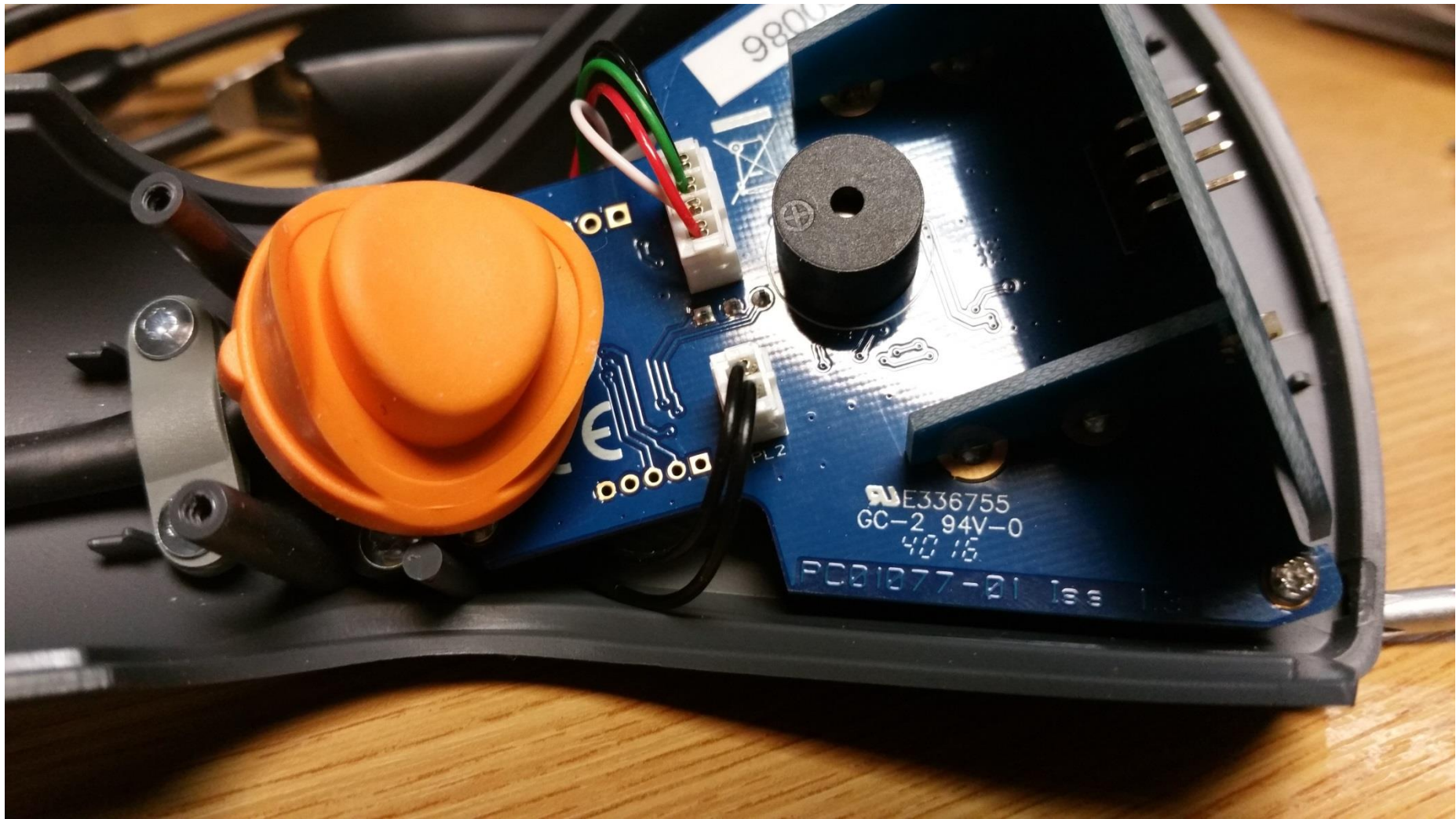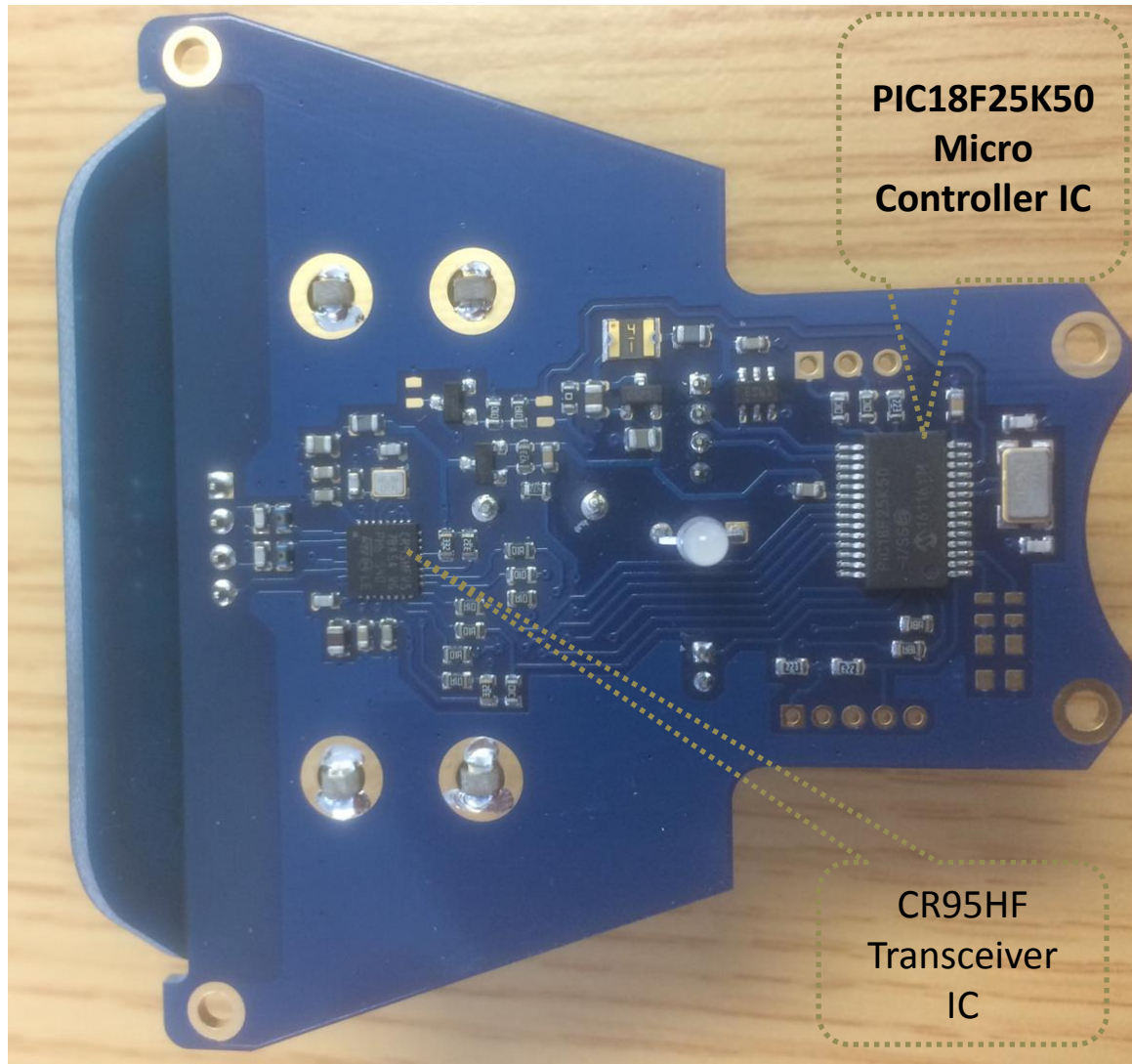No Tag Read - LED indication flashes red accompanied by a multiple short duration beeps

RFID Hand Scanner – Access to internal components

Loosen this screw to remove handle casing cover plate

Handle casing cover plate removed

Loosen these screws to remove Scan head casing

Control circuit board SC01077-01_iss1-2.pdf

Head and handle casings removed revealing internal components

Trigger Switch Connector

Trigger Switch

Scan head RF coil circuit board SC01077-02_iss1-2

Scanner Serial Number

RFID Scanner Main Circuit Board

RFID Scanner Main Circuit Board Rear View

PIC18F25K50
Micro
Controller IC

CR95HF
Transceiver
IC

RFID Scanner Circuit Board (Scanner Head)