



# R01 700/800MHz and TC01 Trunking Controller Internal Photos

## 1 CR01 Receiver Internal System Photos

### 1.1 RX PSU PCBA

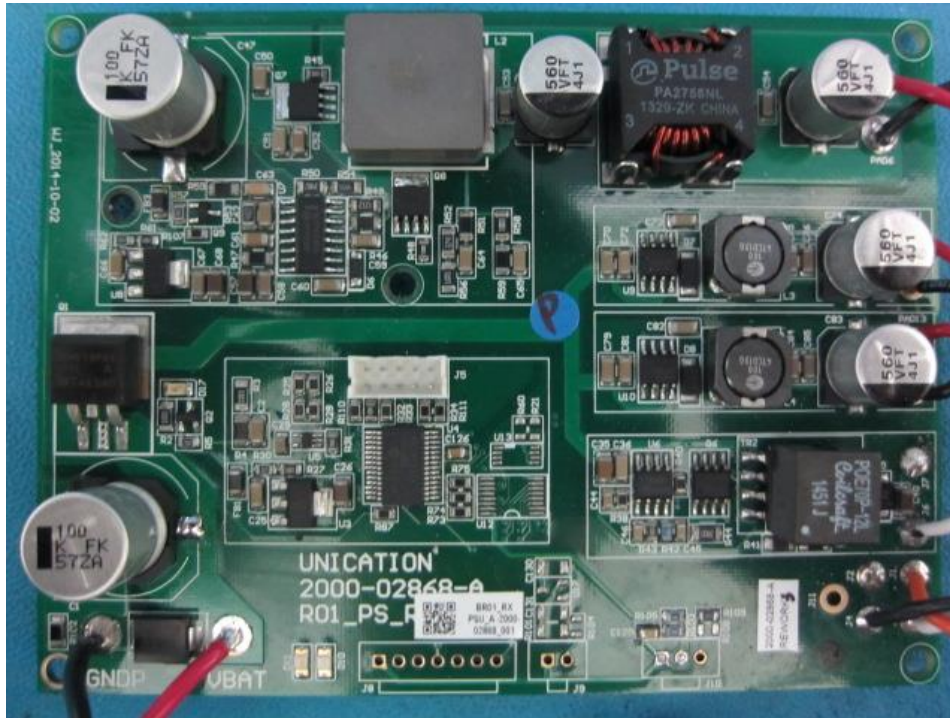


Figure 1: RX PSU PCB Top View



Figure 2: RX PSU PCB Bottom View



## R01 700/800MHz and TC01 Trunking Controller Internal Photos

---

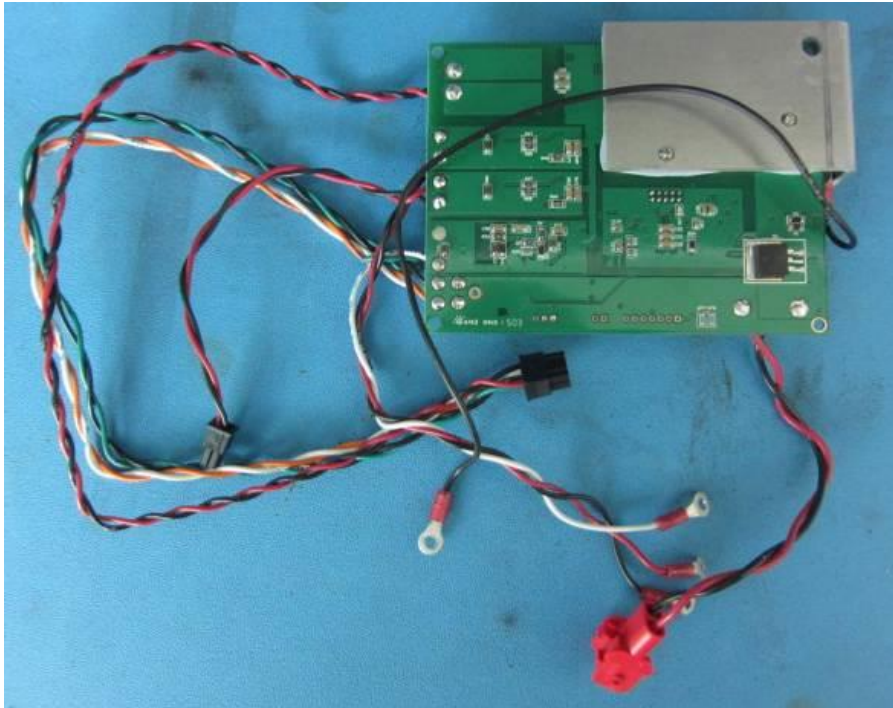


Figure 3: RX PSU PCB with Cables



# R01 700/800MHz and TC01 Trunking Controller Internal Photos

## 1.2 RX CPCU PCBA



Figure 4: RX CPCU PCB Top View (shield covers removed)

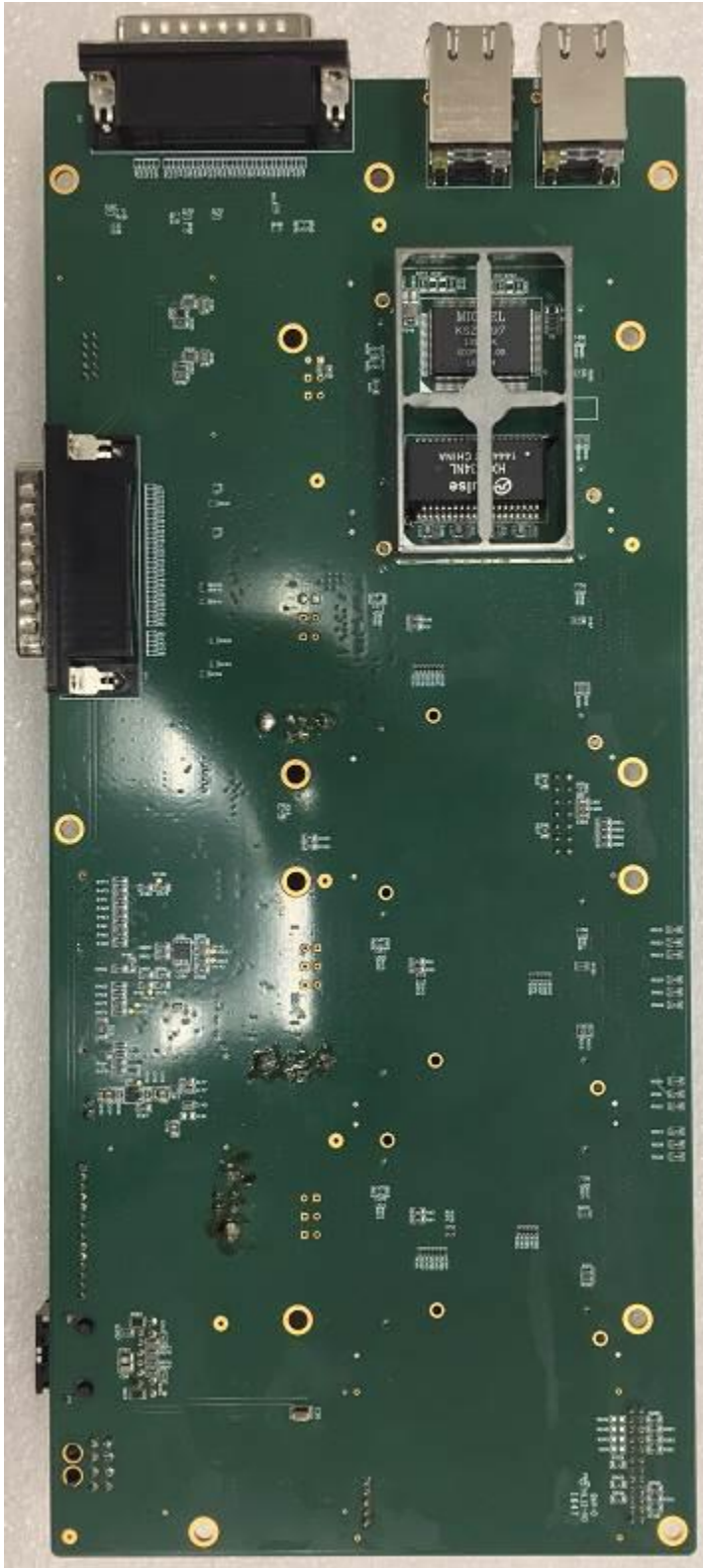


Figure 5: RX CPCU PCB Bottom View (shield covers removed)



Figure 6: RX CPCU PCB Top View with shield covers installed



Figure 7: RX CPCU PCB Bottom View Shield cover installed

## 1.3 RX OCXO PCBA



Figure 8: RX OCXO PCB Top View (shield cover removed)

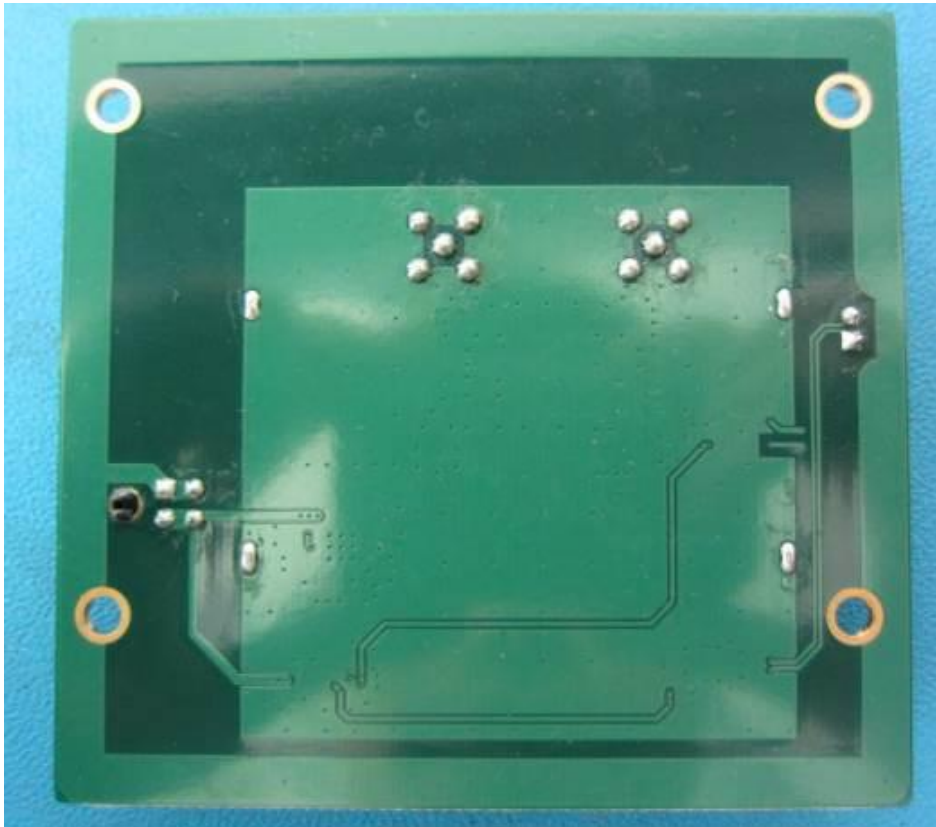


Figure 9: RX OCXO PCB Bottom View

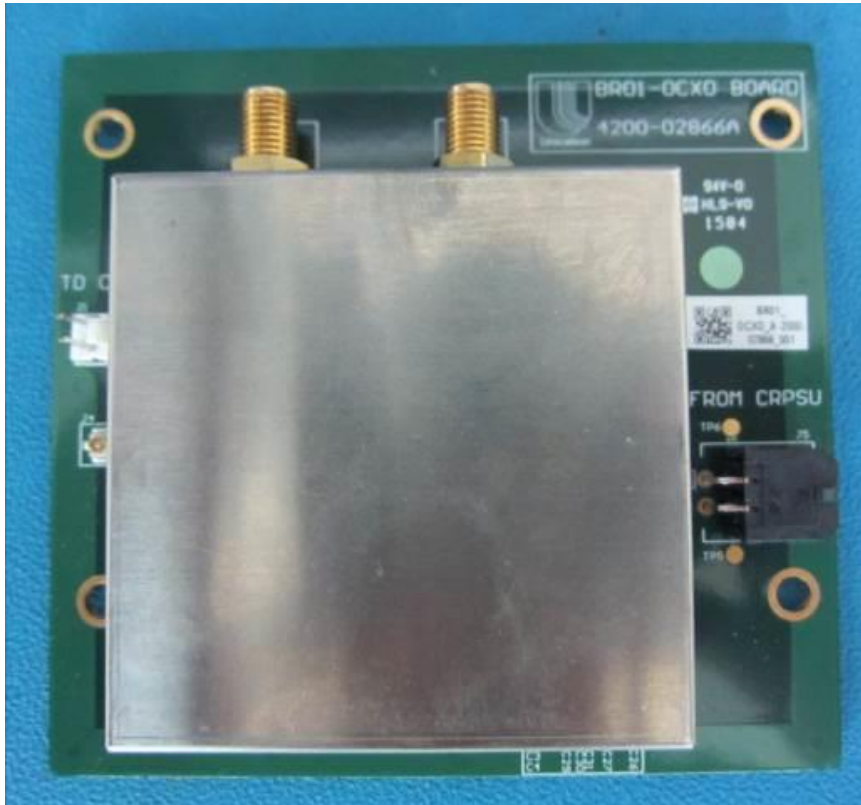


Figure 10: RX OCXO PCB with Shield

## 1.4 RX FRONT PANEL PCBA

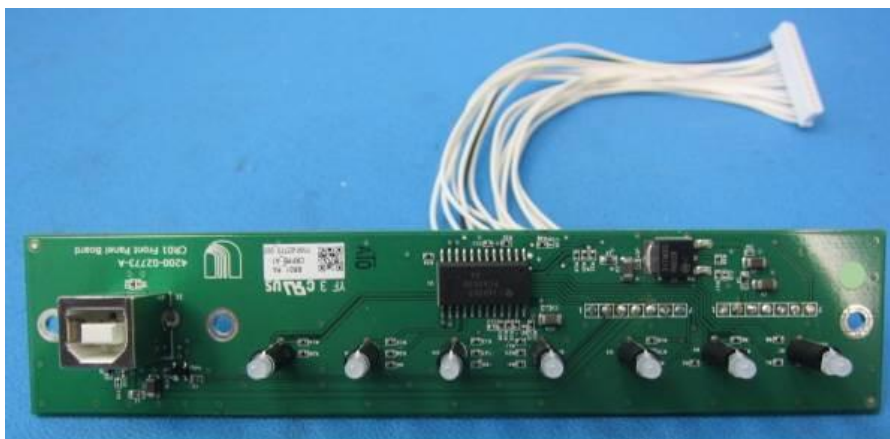


Figure 11: RX Front Panel PCB Top View

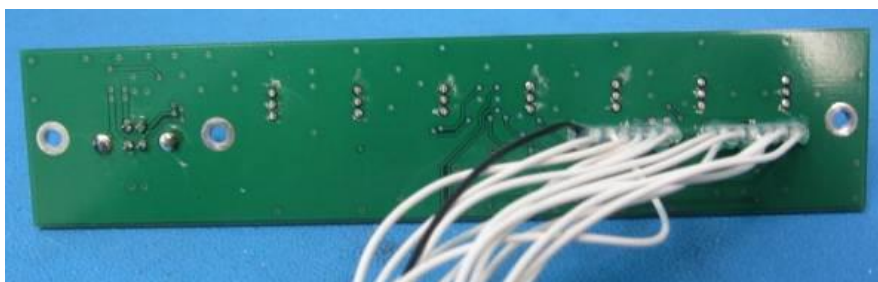


Figure 12: RX Front Panel PCB Bottom View



## 1.5 RX AUX V2 PCBA



Figure 13: RX AUX V2 PCB Top View

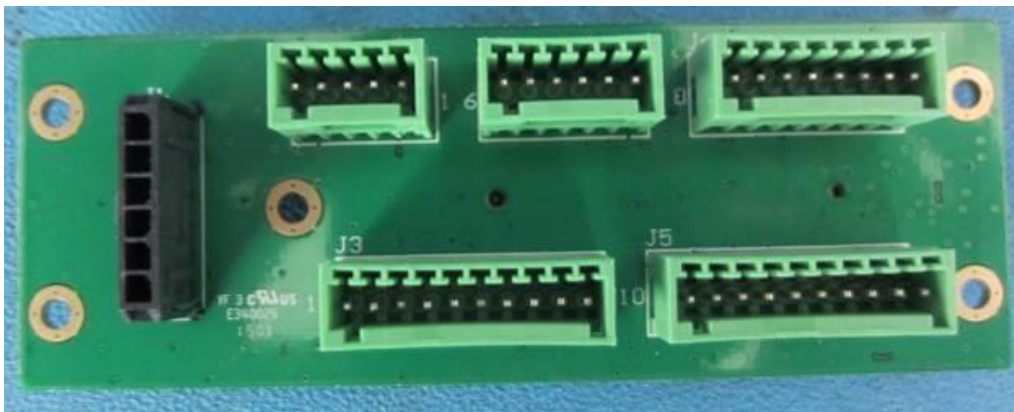


Figure 14: RX AUX V2 PCB Bottom View

## 1.6 RX 700/800MHz RECEIVER\_PCBA

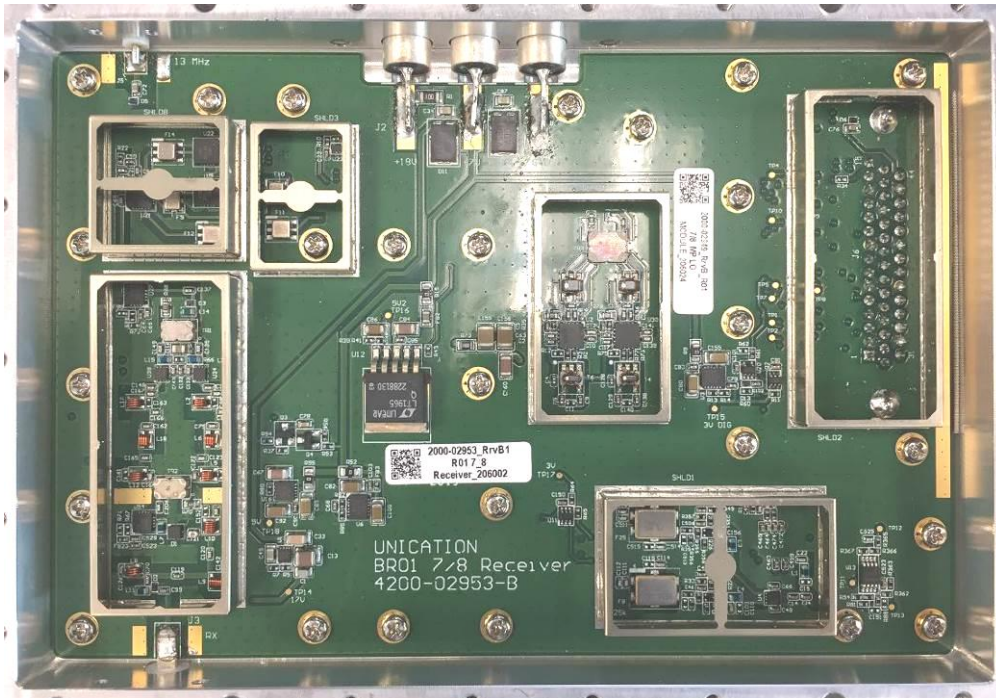


Figure 15: RX 700/800MHz Receiver PCB Top View (Shield covers removed)



Figure 16: RX 700/800MHz Receiver PCB Bottom View (shield cover removed)

## 1.7 700/800MHz LOCAL OSCILLATOR PCBA



Figure 17: 700/800MHz Local Oscillator PCB Top View (shield cover removed)

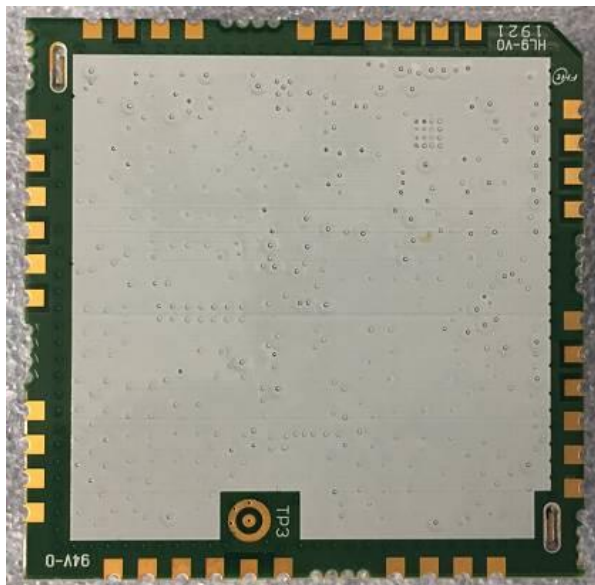


Figure 18: 700/800MHz Local Oscillator PCB Bottom View

## 1.8 RX CPUM PCBA



Figure 19: RX CPUM PCB Top View

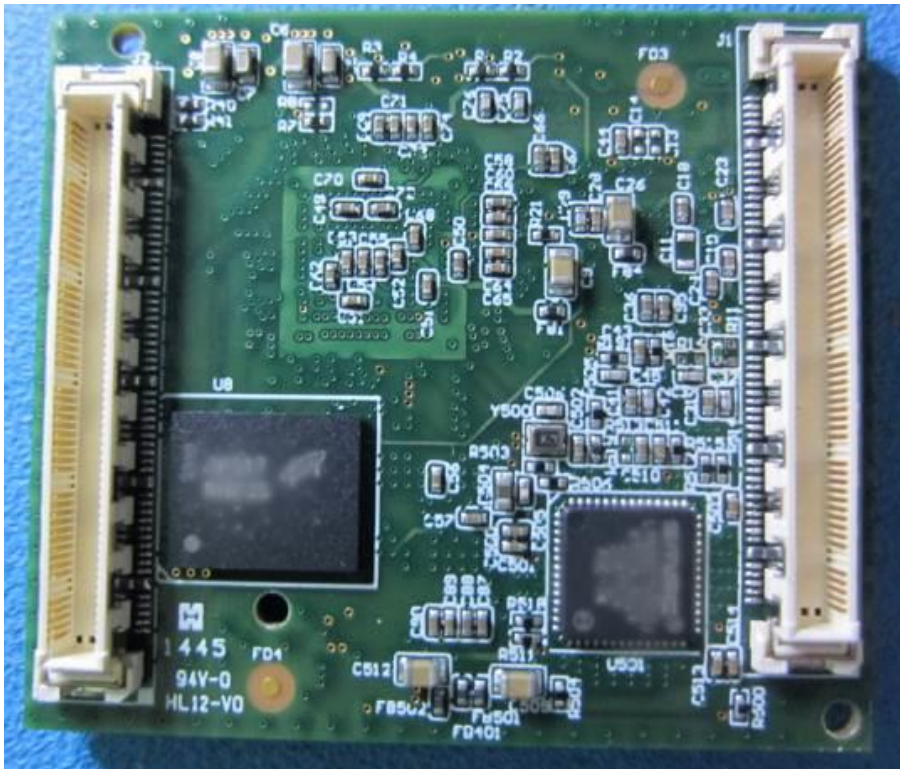
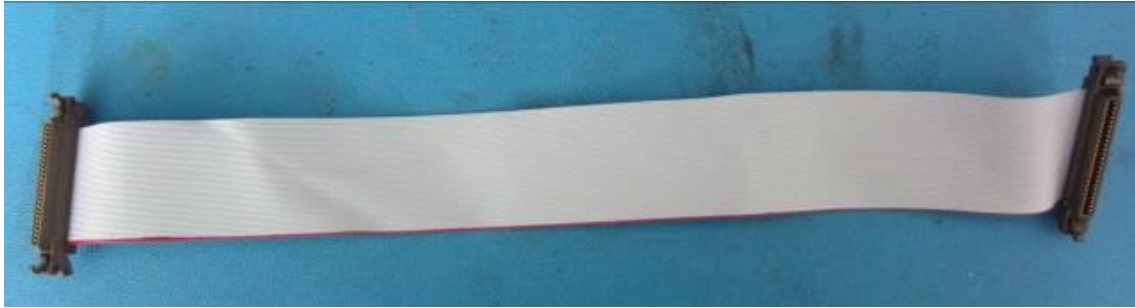


Figure 20: RX CPUM PCB Bottom View

## 1.9 RX CABLES



**Figure 21: RX AUX Cable**



**Figure 22: RX RF Coax Assemblies**

## 1.10 RX CHASSIS



Figure 23: RX Chassis Empty

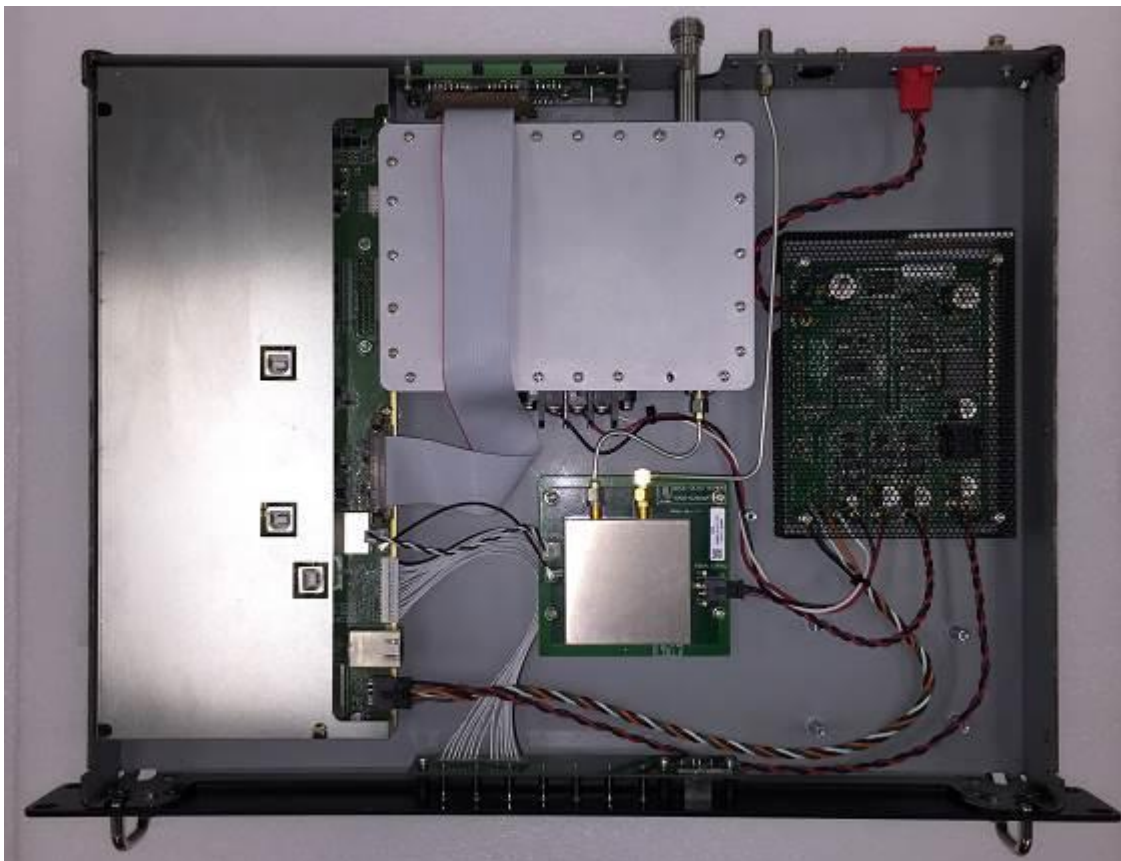


Figure 24: RX Chassis Top View



## R01 700/800MHz and TC01 Trunking Controller Internal Photos



Figure 25: RX Chassis Front View



Figure 26: RX Chassis Back View

## 2 TX01 Transmitter Internal System Photos

### 2.1 TX PSU PCBA



Figure 27: TX PSU PCB Top View



Figure 28: TX PSU PCB Bottom View



## 2.2 TX Power Supply Isolator PCBA



Figure 29: PS ISO PCBA Top View



Figure 30: PS ISO PCBA Bottom View

## 2.3 TX Power Supply Switcher PCBA



Figure 31: PS Switcher PCBA Top View



Figure 32: PS Switcher PCBA Bottom View

## 2.4 TX FAN PCBA

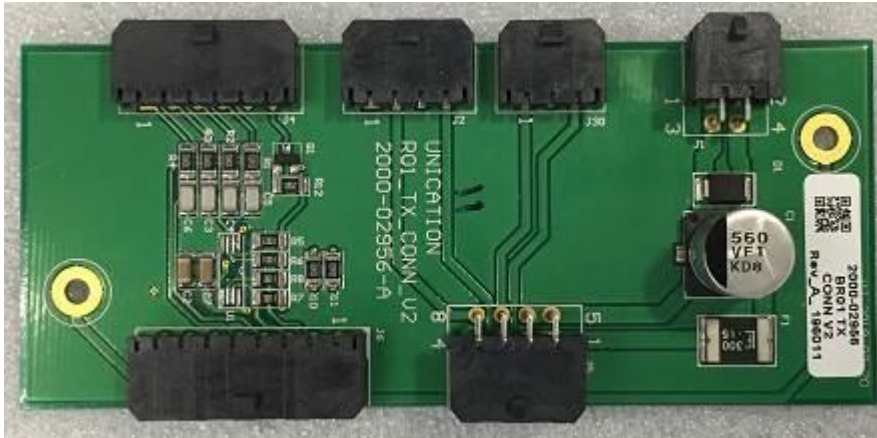


Figure 33: TX Fan PCB Top View

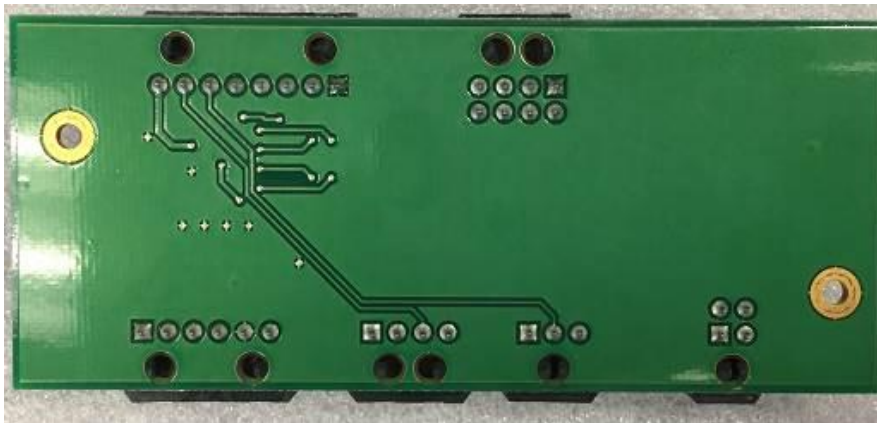


Figure 34: TX Fan PCB Bottom View

## 2.5 TX LED PCBA

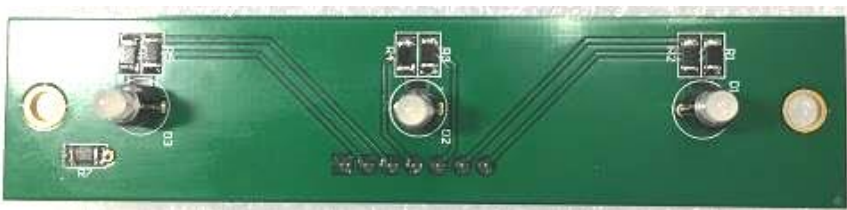


Figure 35: TX LED PCB Top View



Figure 36: TX LED PCB Bottom View

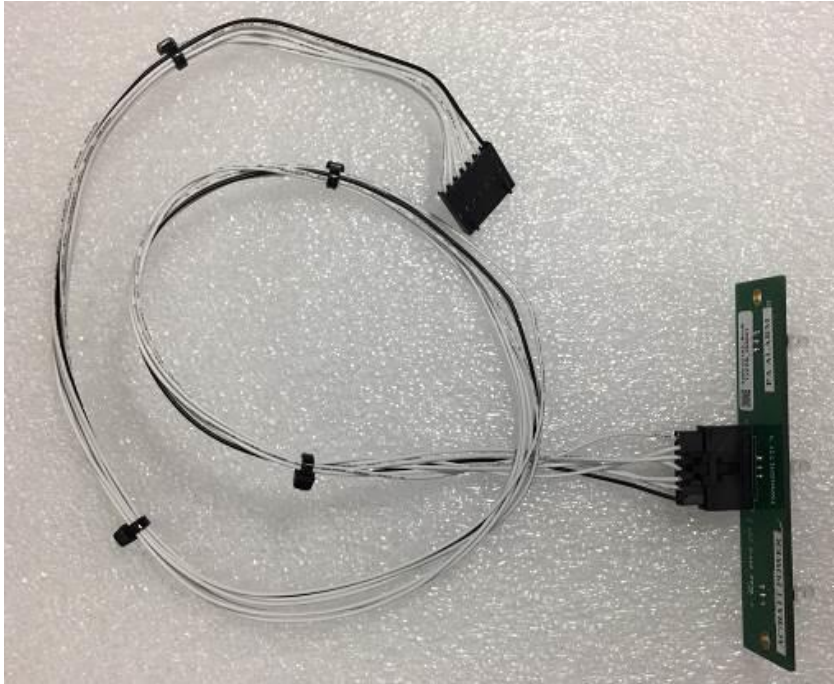


Figure 37: TX LED PCB with Cable

## 2.6 TX 700/800MHz PA PCBA



Figure 38: TX 700/800MHz PA PCBA Top View

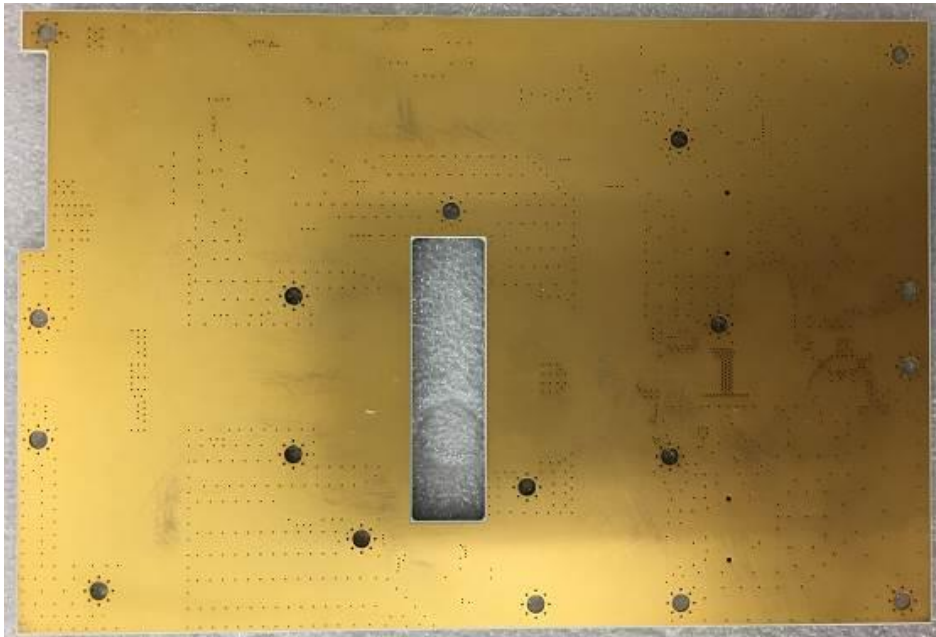


Figure 39 TX\_PA\_PCB Bottom View

## 2.7 TX PA CTRL PCBA



Figure 40: TX PA CTRL PCB Top View

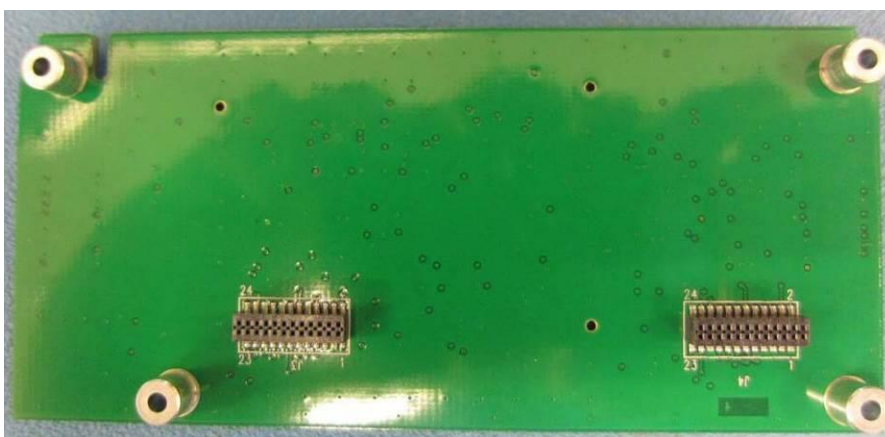


Figure 41: TX PA CTRL PCB Top View



# R01 700/800MHz and TC01 Trunking Controller Internal Photos

## 2.8 TX 700/800MHz OUTPUT FILTER PCBA

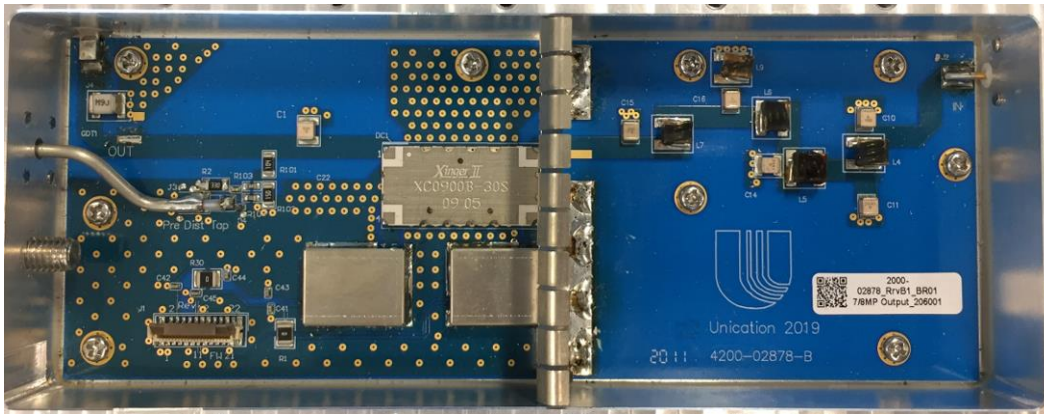


Figure 42: TX 700/800MHz Output Filter PCB Top View

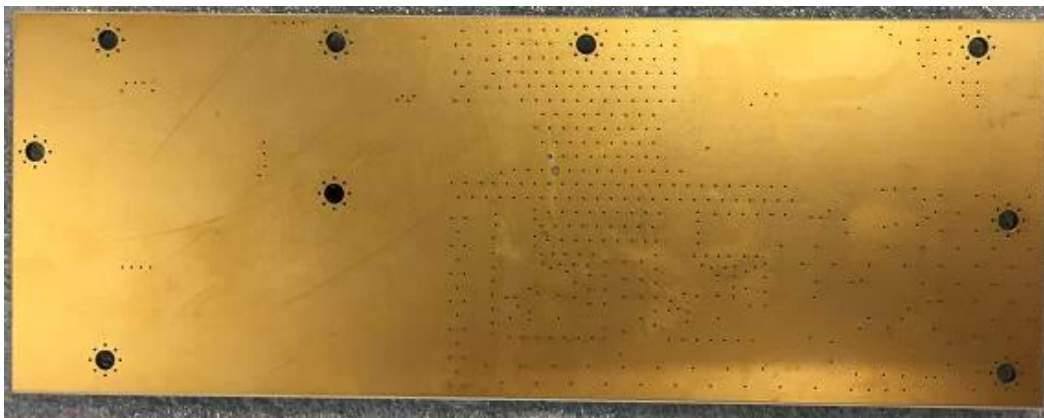


Figure 43: TX 700/800MHz Output Filter PCB Top View

## 2.9 TX 700/800MHz EXCITER PCBA



Figure 44: TX 700/800MHz Exciter PCB Top View

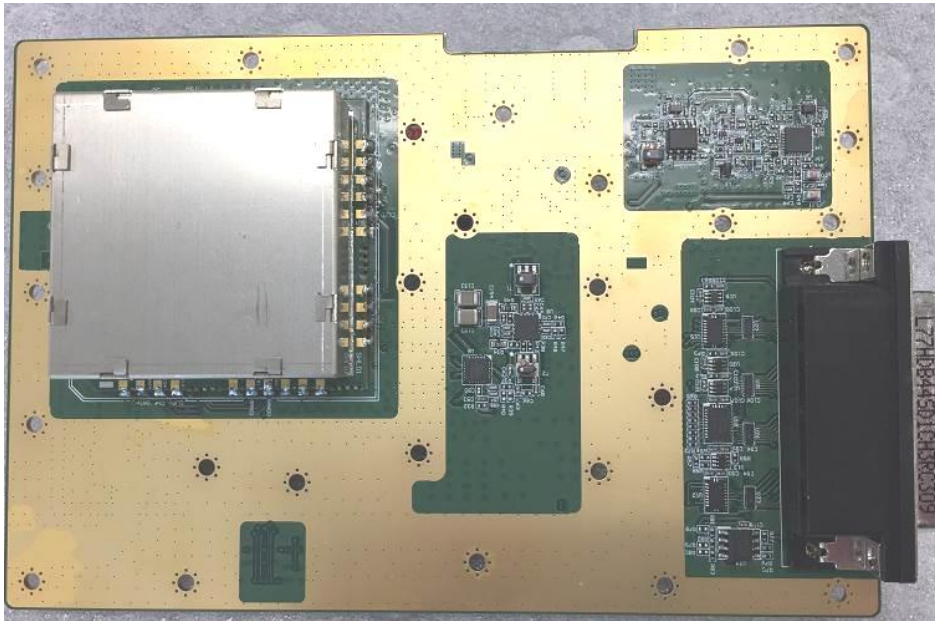


Figure 45: TX 700/800MHz Exciter PCB Bottom View



Figure 46: TX 700/800MHz Exciter PCB with Shields

## 2.10 700/800MHz LOCAL OSCILLATOR PCBA



Figure 47: 700/800MHz Local Oscillator PCB Top View (shield cover removed)

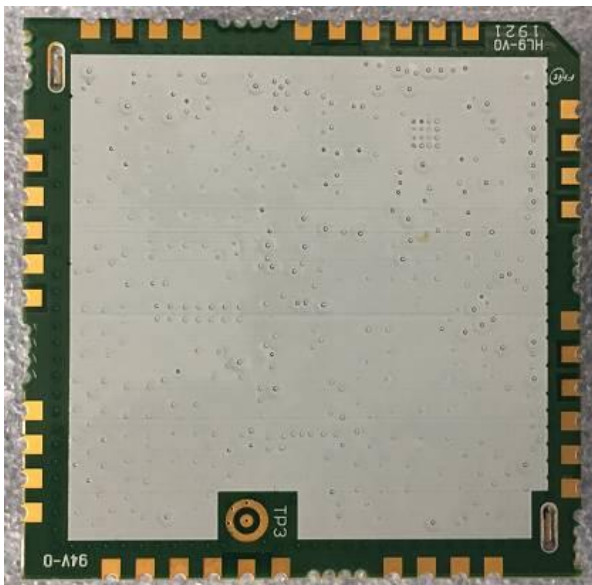


Figure 48: 700/800MHz Local Oscillator PCB Bottom View



## 2.11 TX MEANWILL PSU



Figure 49: TX Meanwell PSU Top View



Figure 50: TX Meanwell PSU Bottom View

## 2.12 TX COAX CABLES



Figure 51: TX Internal Coax Cables

## 2.13 TX CHASSIS



Figure 52: TX Chassis Empty



Figure 53: TX Chassis Front View



Figure 54: TX Chassis Back View



Figure 55: TX Chassis Top View

## 3 TC01 Trunking Controller Internal System Photos

### 3.1 Ethernet Switch PCBA



Figure 56: Ethernet Switch PCBA Top View



Figure 57: Ethernet Switch PCBA Bottom View

## 3.2 PS Controller PCBA



Figure 58: PS Controller PCBA Top View

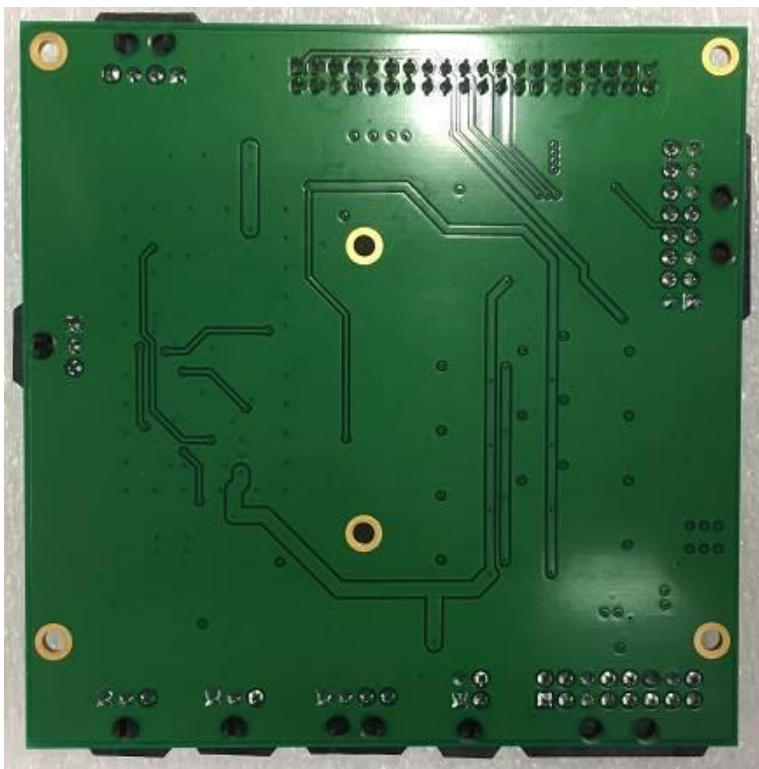


Figure 59: PS Controller PCBA Bottom View

## 3.3 GPS PCBA



Figure 60: GPS PCBA Top View (Shield Cover Removed)



Figure 61: GPS PCBA Top View Shield Cover Installed



Figure 62: GPS PCBA Bottom View

### 3.4 Raspberry PI 4 Model B PCBA



Figure 63: Raspberry PI 4 Model B PCBA Top View



Figure 64: Raspberry PI 4 Model B PCBA Bottom View

## 3.5 TC01 Chassis

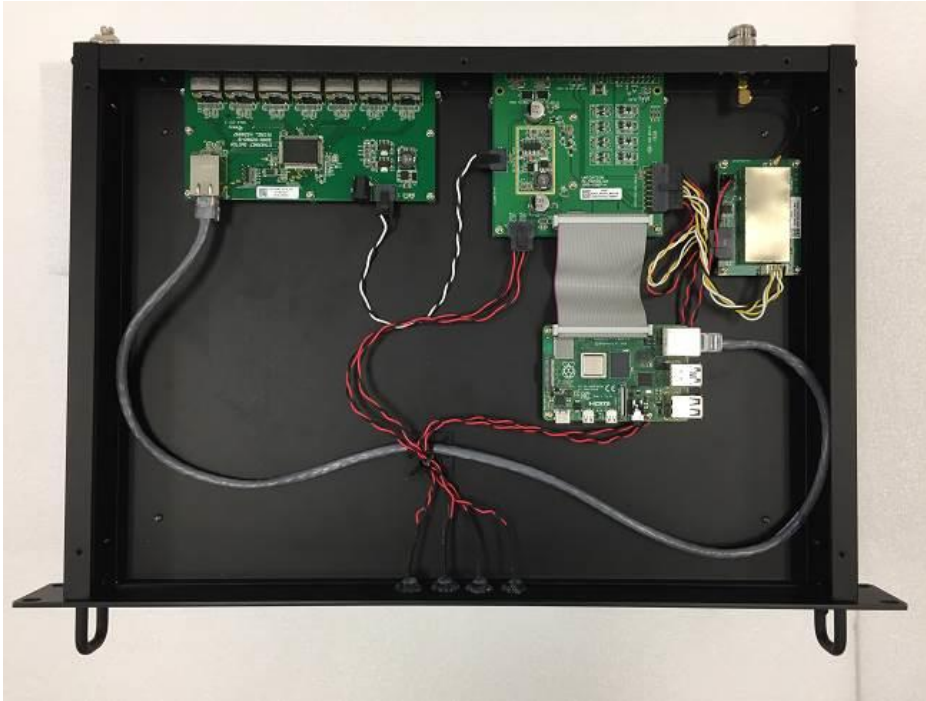


Figure 65: TC01 Trunking Controller Chassis Assembly Top View