
DN201SC-G Internal Photographs

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Proprietary and Confidential

Version History

<i>Issue Number</i>	<i>Author(s)</i>	<i>Version Date</i>	<i>Summary & Comments</i>
1	BWT	22/03/2022	DN201SC internal photographs
2	BWT	08/04/2022	Revised internal photographs

Related Documents

<i>Ref.</i>	<i>Title</i>	<i>Number</i>	<i>Version & Date</i>
[1]	DN201SC external photographs	BW-009090-RP	22/03/2022
[2]			

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1. Introduction

This document shows the inside of a DN201SC unit.

The unit PCBAs are comprised of:

- Main processor board – Network Processor Board: BWT050
- Modem board – BWT053
- Two radio modules – Sivers RFM3-R2 (BFM06010/00)
- GPS antenna

2. DN201SC Internal Photographs

2.1 Inside back cover showing the main processor board top view

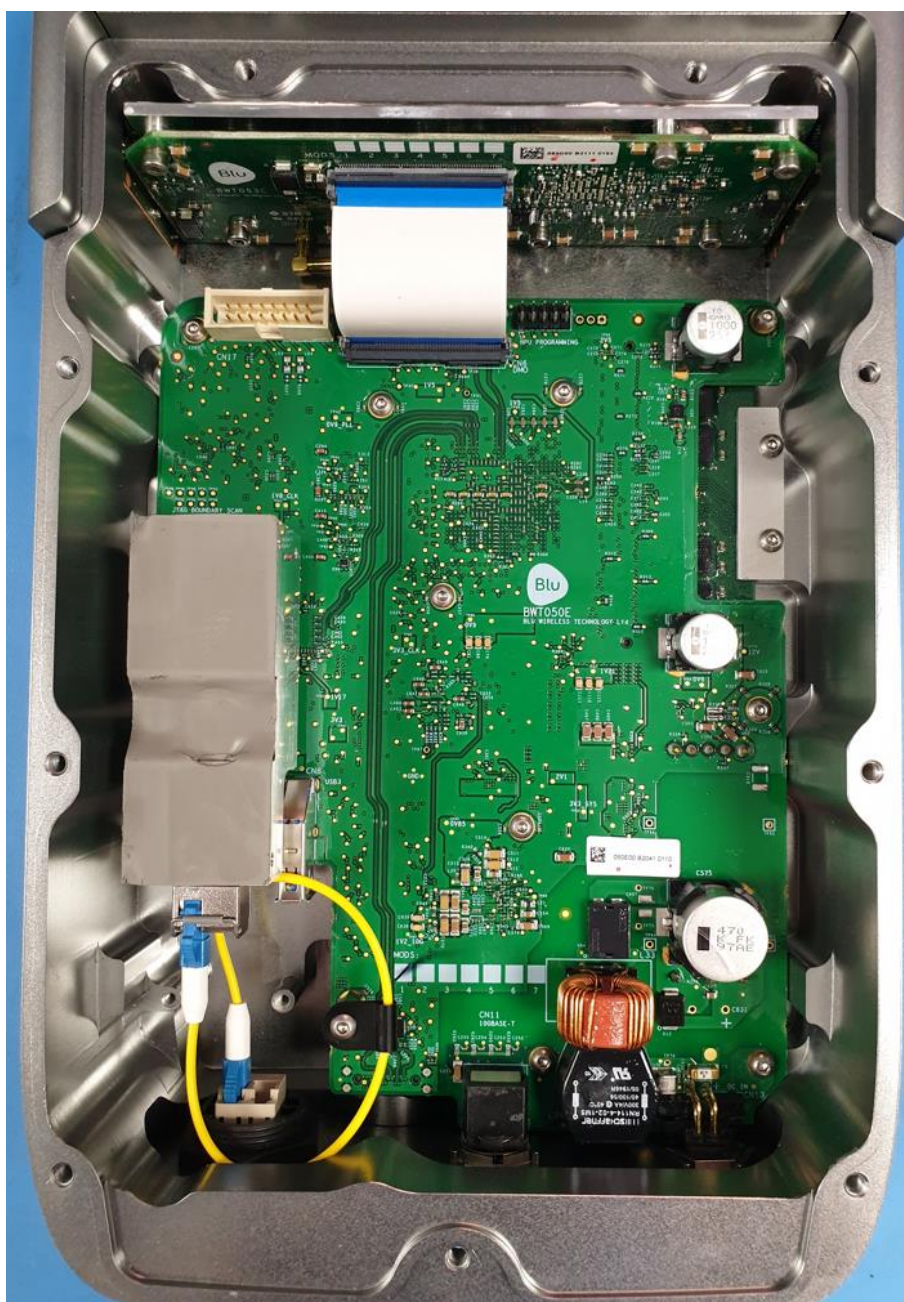


Figure 1 – Inside Back cover of DN201SC showing the BWT050 Network Processor Board (TOP)

2.2 Inside back cover showing the main processor board bottom view

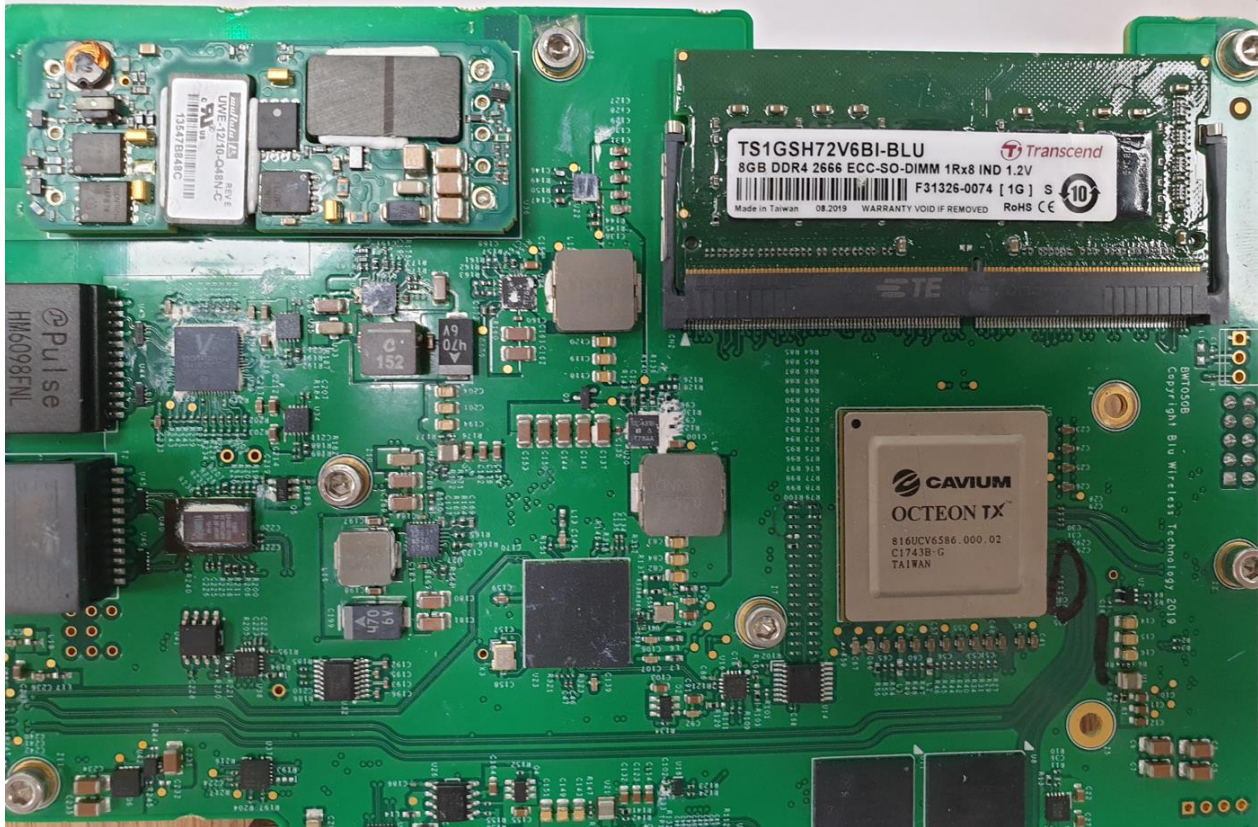


Figure 2 – Inside Back cover of DN201SC showing the BWT050 Network Processor board (BOTTOM)

2.3 Inside back cover showing the Modem board



Figure 3 – Inside Back cover of DN201SC showing the BWT053 Modem board connected to the processor board via FFC

2.4 Modem board

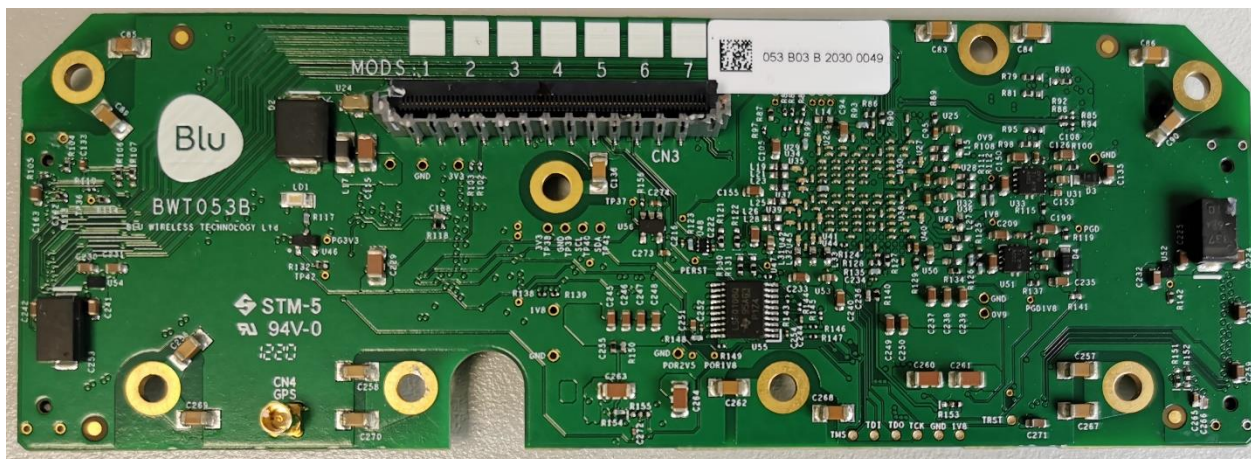


Figure 4 – Modem board top view



Figure 5 – Modem board bottom view

The bottom view shows the Radio module connectors at each end.

2.5 Representation of Modem board and Radio modules connected

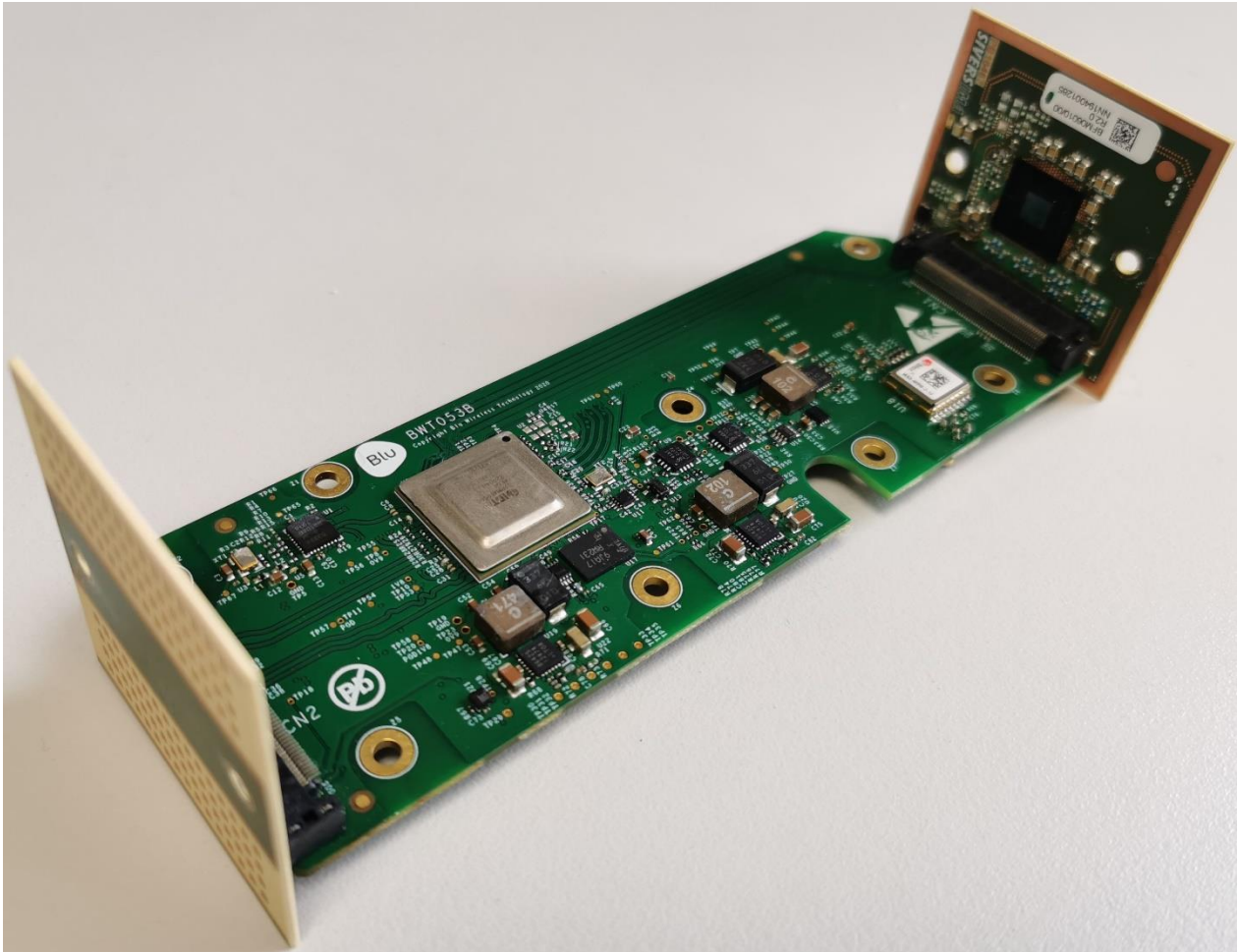


Figure 6 – Representation of both Radio modules connected to BWT053 Modem board

2.6 Radio module antenna view

The radio module with:

- TX antenna array elements shown in 16x4 arrangement.
- RX antenna array elements shown in 16x4 arrangement.

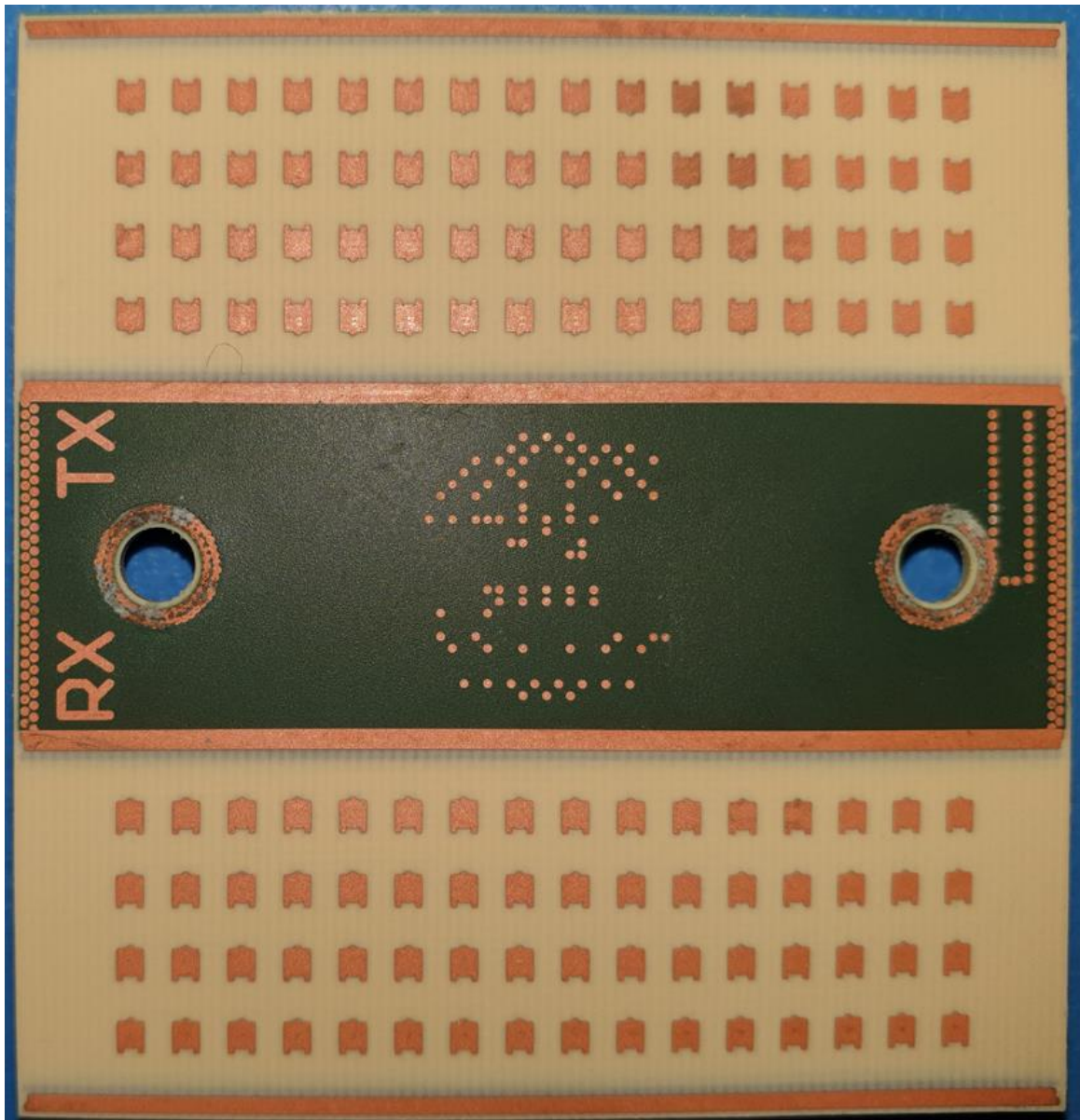


Figure 7 – Radio module showing the antenna elements

2.7 Radio module rear view



Figure 8 – Radio module rear view

2.8 GPS Antenna



Figure 9 – GPS Antenna

END