

Cinterion® Support Package

HW01

Schematics & Layout Review

Security Consulting

Design-In Consulting
Schematics, Layout Review

Hardware Consulting
Antenna, ESD, Spurious

Software /
Application Consulting
ATC, USB, MUX, RIL

Approval Consulting
Protocol, Toolkit, SIM (SW, HW)

Production Consulting
Production line, End of Line

Motivation

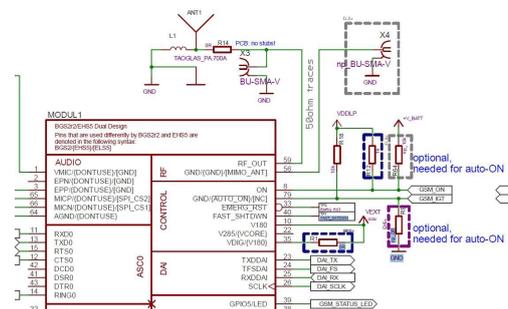
During the development, deployment and ramp-up phases of your project, you can be sure of our professional support – one of the most valuable and outstanding qualities of working with Telit Cinterion.

The goal of our support is to increase product reliability, reduce the time to market and save you money. Based on our long-term experience we have developed the most suitable support packages and workshops for each project phase.

e.g. The customer has decided for a module and the HW-designer has drawn a schematic and wants somebody else to have a look at his design.

Package Description

With the Schematics and Layout review package, our experts will be able to provide advice and feedback regarding all critical aspects of your PCB such as power supply and RF design. They can offer hints and guidance about best practice approaches in the design of WAN hardware applications. Beside this, our experts will review the components used and, if necessary, suggest alternatives. The schematics and layout review can help prevent the common issues in the future and reduce development costs.



Package Offer

Package Content

- | Review of used I/O pins (timing, levels, leakage currents)
- | Review of audio path usage (levels, balanced vs. unbalanced, distortion)
- | Review of ESD blocking and immunity
- | Design check for matching periphery
- | Review of power supply (esp. for automotive).

Requirements/Pre-Conditions

- | Schematics supplied only in PDF file format
- | To include power supply, antenna design, audio design, uC connection to the module
- | Antenna track calculation (if applicable)
- | Layout supplied only in PDF file format - printout of layers

Results/Outcome

- | Comments highlighted directly in the schematics document as annotations
- | Short review of the performed steps and any potential improvements

Conclusion – Next

Our experienced engineers will be glad to share their expertise with you, to improve the hardware and software design of your application. We offer further project attendant services which may be valuable for your project. Feel free to contact our representative for further information.



Estimated effort:

0.5 - 1.5 working days

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