

C13-5Q

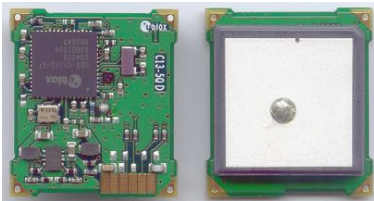
Reference Design

GPS

UBX-G5010 smart antenna

Product description

The C13-5Q GPS Smart Antenna Reference Design demonstrates the integration of a UBX-G5010 single chip GPS receiver with a ceramic patch antenna, serial interface and DC/DC converter. The high performance u-blox 5 positioning engine enables navigation even in weak signal environments.



Reference Designs are intended as a means to help system integrators to develop their own GPS-enabled end-products. On request, u-blox provides comprehensive technical documentation including schematics, layouts and design recommendations.

Reference Designs are sold in sample quantities only. u-blox assumes no design services for this purpose, nor warranties regarding functionality and performance.

GPS receiver performance

Please refer to the documentation for UBX-G5010.

Electrical data

Power supply	2.7V to 3.6V
Supply Current ¹	< 26 mA @ 3.3V
Backup power	1.4V to 3.6V

Antenna characteristics

Antenna Type	18 x 18 mm ceramic patch antenna
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Mechanical data

Dimensions	23 x 20.8 x 7.5 mm
Connector	SMD-pads for 6 pin header Pitch: 1.15mm
Mounting	4 tooling holes, M 1.6

Environmental data

Operating temp.	-20°C to 65°C
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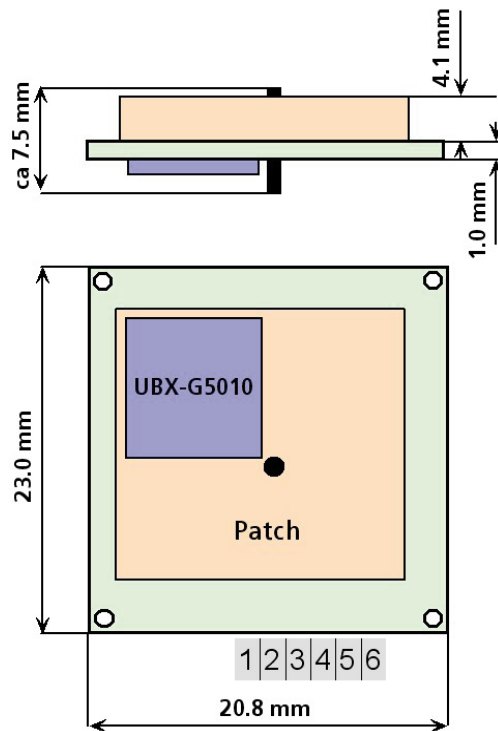
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GPS.G5-CS-08037-A

Interfaces

Serial Ports	1 UART
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Block diagram



Ordering information

C13-5Q-0	UBX-G5010 smart antenna with Integrated DC/DC Converter Reference Design
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Sold in sample quantities only.

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