

WT12

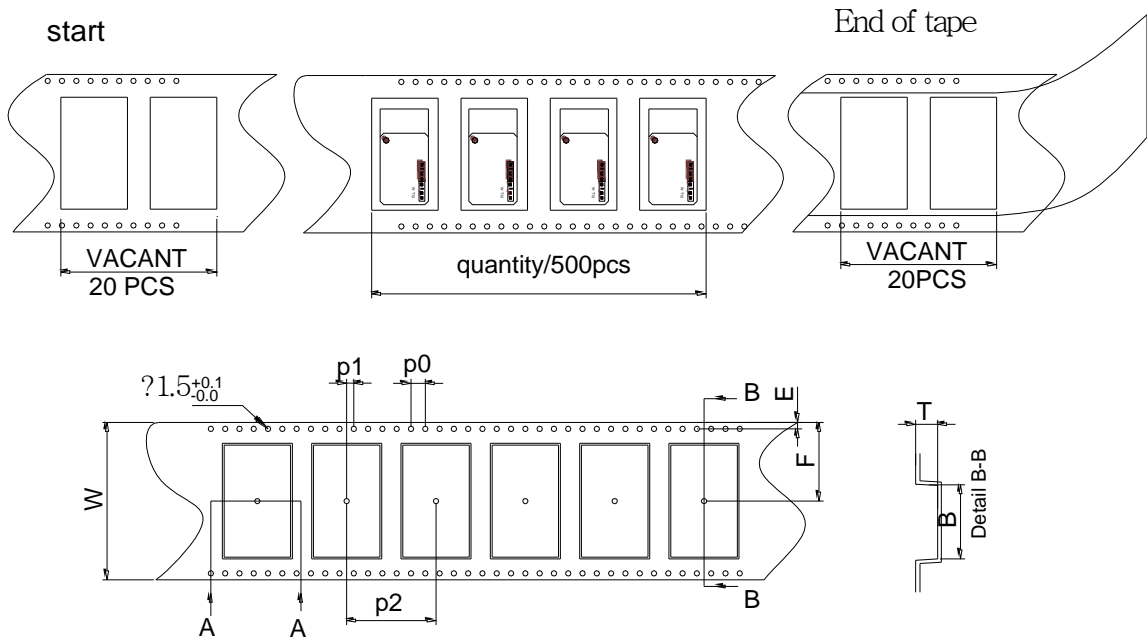
DATA SHEET

Monday, 13 April 2015

Version 3.2



Package direction:



P/N 3500275600	A	B	W	F	E	P0	P1	P2	T
Dimensions	14.4	25.9	44	20.2	1.75	4.0	2.0	20.0	2.5
Tolerance	± 0.1	± 0.1	± 0.3	± 0.1	+0.1	± 0.1	± 0.1	± 0.1	± 0.1

Figure 33: Tape information

12 Certifications

WT12 is compliant to the following specifications.

12.1 Bluetooth

WT12 module is qualified as a *Bluetooth* controller subsystem and it fulfills all the mandatory requirements of *Bluetooth 2.1 + EDR* core specification. If not modified in any way, it is a complete *Bluetooth* entity, containing software and hardware functionality as well as the whole RF-part including the antenna. This practically translates to that if the module is used without modification of any kind, it does not need any *Bluetooth* approval work for evaluation on what needs to be tested.

WT12 qualified listing details:

https://www.Bluetooth.org/tpg/QLI_viewQDL.cfm?qid=17400

WT12 PICS details:

<https://www.Bluetooth.org/tpg/showCorePICS.cfm?3A000A5A005C5043555E54>

WT12 Qualified Design ID (QDID):

https://www.Bluetooth.org/tpg/QLI_viewQDL.cfm?qid=17400

12.2 FCC and IC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

IC Statements:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

If detachable antennas are used:

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the integral chip antenna. Use of any other antenna is strictly prohibited for use with this device.

OEM Responsibilities to comply with FCC and Industry Canada Regulations

The WT12 Module has been certified for integration into products only by OEM integrators under the following condition:

- The transmitter module must not be co-located or operating in conjunction with any other antenna or transmitter.

As long as the condition above is met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that the condition can not be met (for certain configurations or co-location with another transmitter), then the FCC and Industry Canada authorizations are no longer considered valid and the FCC ID and IC Certification Number can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC and Industry Canada authorization.

End Product Labeling

The WT12 module is labeled with its own FCC ID and IC Certification Number. If the FCC ID and IC Certification Number are not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. In that case, the final end product must be labeled in a visible area with the following:

“Contains Transmitter Module FCC ID: QQQWT12”

“Contains Transmitter Module IC: 5123A-BGTWT12A”

or

“Contains FCC ID: QQQWT12

“Contains IC: 5123A-BGTWT12A”

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module or change RF related parameters in the user manual of the end product.

12.3CE

WT12 is conformity with the following standards and/or normative documents:

SAFETY

- EN 60950-1:2006+A11:2009+A1:2010+A12:2011

EMC (Art. 3(1)(a)):

- EN 301 489-17:V2.1.1
 - Radiated electric field immunity, EN 61000-4-3:2006
 - ESD immunity, EN 61000-4-2:2009

SPECTRUM (Art. 3(2)):

- EN 300 328 V1.8.1
 - Equivalent isotropic radiated power
 - Occupied channel bandwidth
 - Dwell time, minimum frequency occupation and hopping sequence
 - Hopping frequency separation
 - Transmitter unwanted spurious emissions in the out-of-band domain
 - Transmitter unwanted spurious emissions in the spurious domain
 - Receiver spurious emissions

12.4 Japan

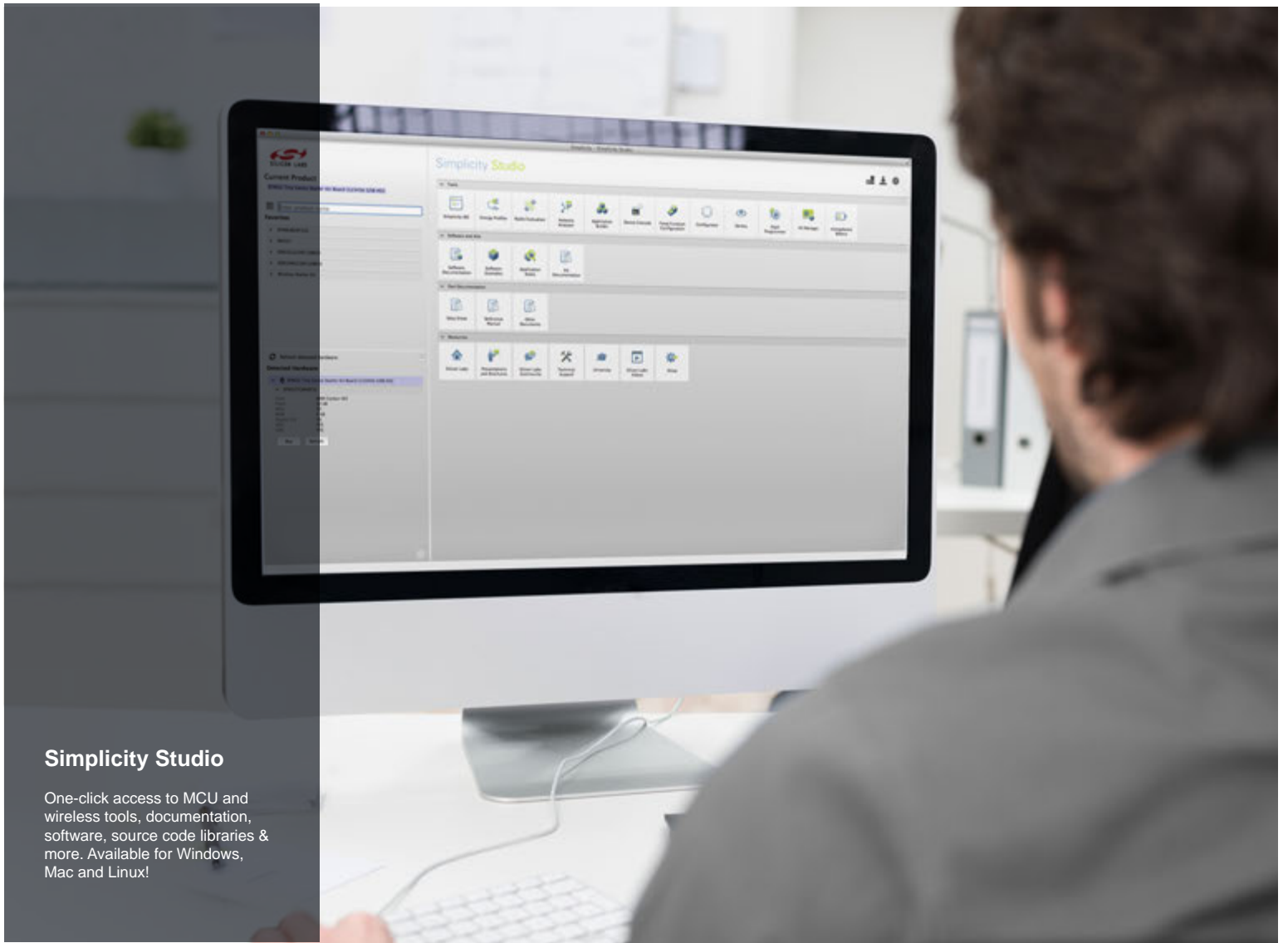
WT12 has type approval in Japan with identification code R 209- J00036

13 RoHS Statement with a List of Banned Materials

WT12 meets the requirements of Directive 2002/95/EC of the European Parliament and of the Council on the Restriction of Hazardous Substance (RoHS)

The following banned substances are not present in WT11, which is compliant with RoHS:

- Cadmium
- Lead
- Mercury
- Hexavalent chromium
- PBB (Polybrominated Bi-Phenyl)
- PBDE (Polybrominated Diphenyl Ether)



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