



GT-8031/8032 antenna connection adapter instructions

The GT-8031/8032 is supplied with an attached H.FL-LP type connector which normally connects to a PC board connector.

To connect a standard pre-amplified GPS antenna please see the information below.

To connect a GT-8031 H.FL-LP connector to SMA connector (male) use

- Digikey H9154-ND (Hirose HRMP-S.FLJ) adapter plug/SMA jack
- Digikey 4284-ND (Pomona 4284) female to female union

To connect a GT-8031 H.FL-LP connector to TNC connector (male) use

- Digikey H9154-ND (Hirose HRMP-S.FLJ) adapter plug/SMA jack
- Digikey 4284-ND (Pomona 4284) female to female union
- Digikey 4294PO-ND (Pomona Electronics 4294) SMA male to TNC female

Ensure that coax loss factors are considered when making these connections. Refer to the GT-8031 information sheets for antenna requirements and loss specifications.

Notes:

1. Remember that a [Vcc] of 3.0-3.6VDC (max) is required for GT-8031 module operation.
2. Connect an appropriate +5VDC source to the GT-8031 [Vant] connection for the antenna pre-amplifier voltage.
3. The [Vant] connection has internal isolation to prevent the 5VDC from entering the GT-8031 module.

These connectors are available from many sources including Digikey.com and others.

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