

TriPoint

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Date: 17.07.18 22:17

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## EXTERNAL SIGNALS

The following signals must be integrated into all designs using the design block:

### Signals

—  EXT\_I2C\_SCL/1.5G

—  EXT\_I2C\_SDA/1.5G

—  DW\_SYNC/1.10C

—  INTERRUPT/1.5F

Note: Additional I2C pull-up resistors required to +3V3

### Antennas

—  RF1/1.6A

—  RF2/1.6B

—  RF3/1.6C

Guarantee 120° offset in-between antennas to maximize polarization difference and antenna diversity

RF traces should respect the keepout zones and be surrounded by a via shield.  
Furthermore, try to keep them as short and straight as possible

### Power Supply

—  +3V3/1.10K

Be aware that the DecaWave is very sensitive regarding its power supply.

We suggest using the "MAX8887EZK33+T" from Maxim Integrated.  
You can find a reference layout at [github.com/lab11/polypoint/pcb/tritag](https://github.com/lab11/polypoint/pcb/tritag).

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