

Anaren Integrated Radio

Product overview

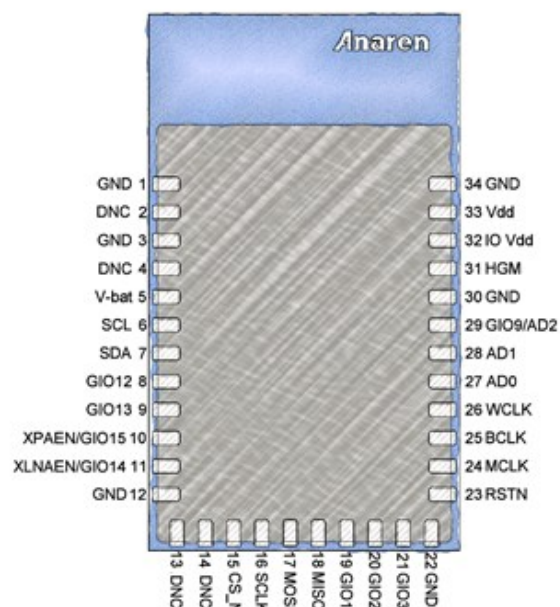
The A8520E24A91 is a high-performance, FCC & IC certified and ETSI compliant audio module based on the Texas Instruments CC8520 transceiver and CC2591 range extender in the industry's smallest package (11 x 19 x 2.5 mm).

The module incorporates the required RF matching & filtering, crystal, integral antenna, and digital line filtering for good noise reduction and sensitivity. The result is quick low power wireless connectivity without having to deal with extensive protocol, RF, antenna design and regulatory compliance; thereby providing quick time to market. The modules are 100% tested in production to ensure consistent performance.

The A8520E24A91 has an RoHS-compliant ENIG finish and is packaged on tape & reel or in matrix tray for high-volume automated manufacturing.

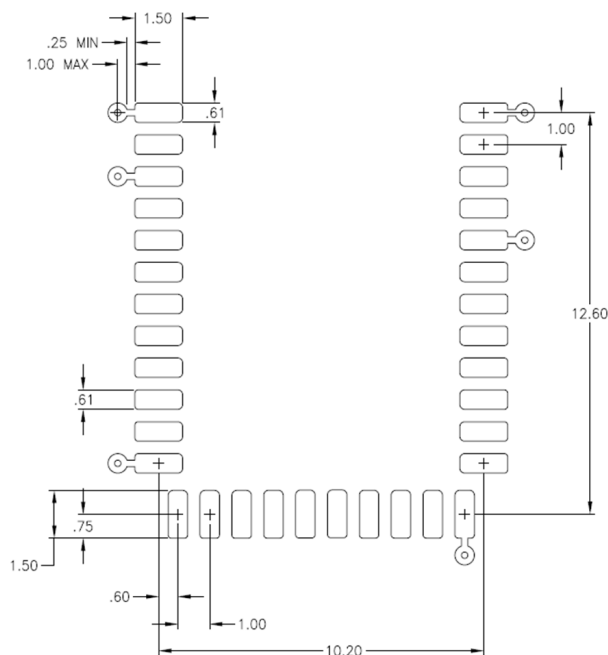
Pin diagram

DNC = Do Not Connect

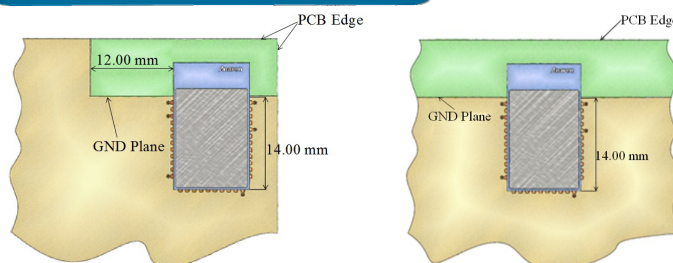


Caution! ESD sensitive device. Precautions should be used when handling the device in order to prevent permanent damage.

Footprint



Ground Plane Control



Nomenclature

A8520E24A91GR

① ② ③ ④ ⑤ ⑥ ⑦

- | | |
|---|---|
| A | (Anaren) |
| 1 | Chip series (C1101, CC110L, CC2500, CC8520) |
| 2 | Function (R = radio only, E = Range Extender) |
| 3 | Frequency band (x 100MHz) |
| 4 | Form factor (A = Internal Antenna, C = Connector) |
| 5 | Design ID (CC2591) |
| 6 | Application (G = General) |
| 7 | Packaging (R = Reel, M = Matrix Tray) |

