

## Features

- Flexible channel modes:
  - 5G NR 100MHz bandwidth, 4T4R
  - 5G NR 200MHz bandwidth, 2T2R
  - LTE 2 x Carriers, 2T2R
  - Multi-Mode
    - 5G NR 2T2R
    - 4G LTE 2T2R
- Flexible transceiver interface
  - 8-lane JESD 204B/C up to 12.16512Gbps per lane
  - 2 x 2-channel transceivers
  - 1 x 4-channel transceivers
  - Observer input
- Front-haul interface
  - CPRI
    - 1-lane CPRI up to 12.16512Gbps Gbps
    - CPRI with propriety info format
  - eCPRI
    - 10GBe based eCPRI
    - O-RAN Specification 2.0 compatible

- ARM processor
- 32-bit DDR3 up to DDR3-2133
- Programmable DPD processor
- IEEE 1588V2 PTP Synchronization
- 25 programable delay output for RF control
- SPI,I2C,UART,GPIO
- 625-Pin FBGA package
- Power consumption lower than 4.2W

## Application

- Small cell RRU
- Pico-RU

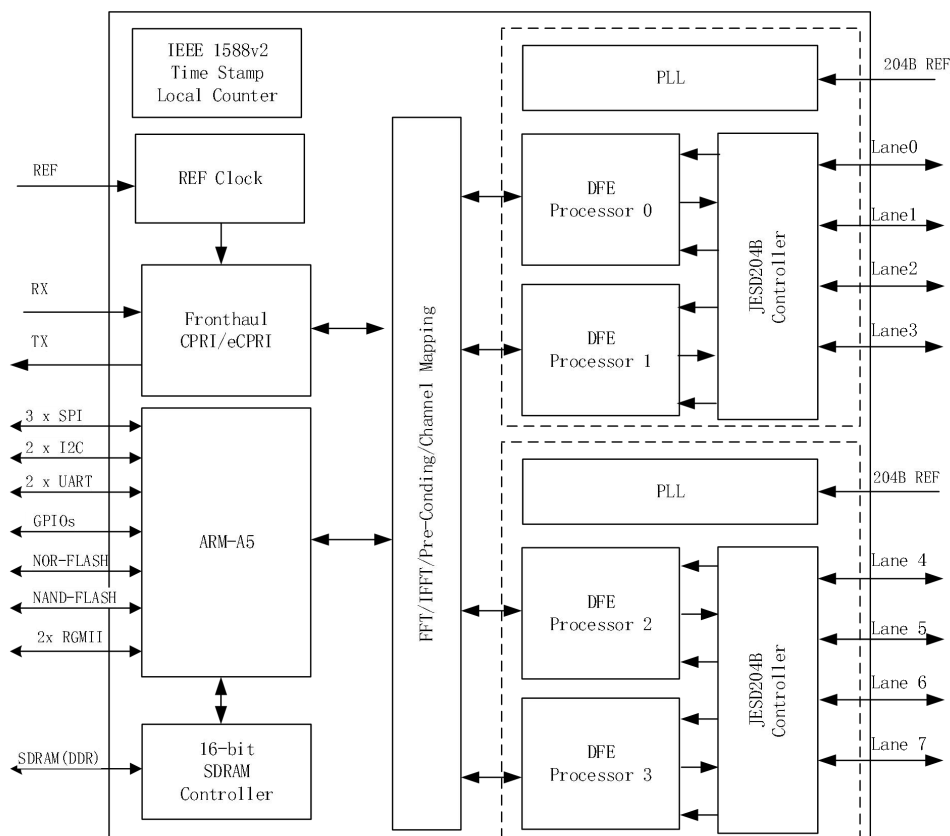
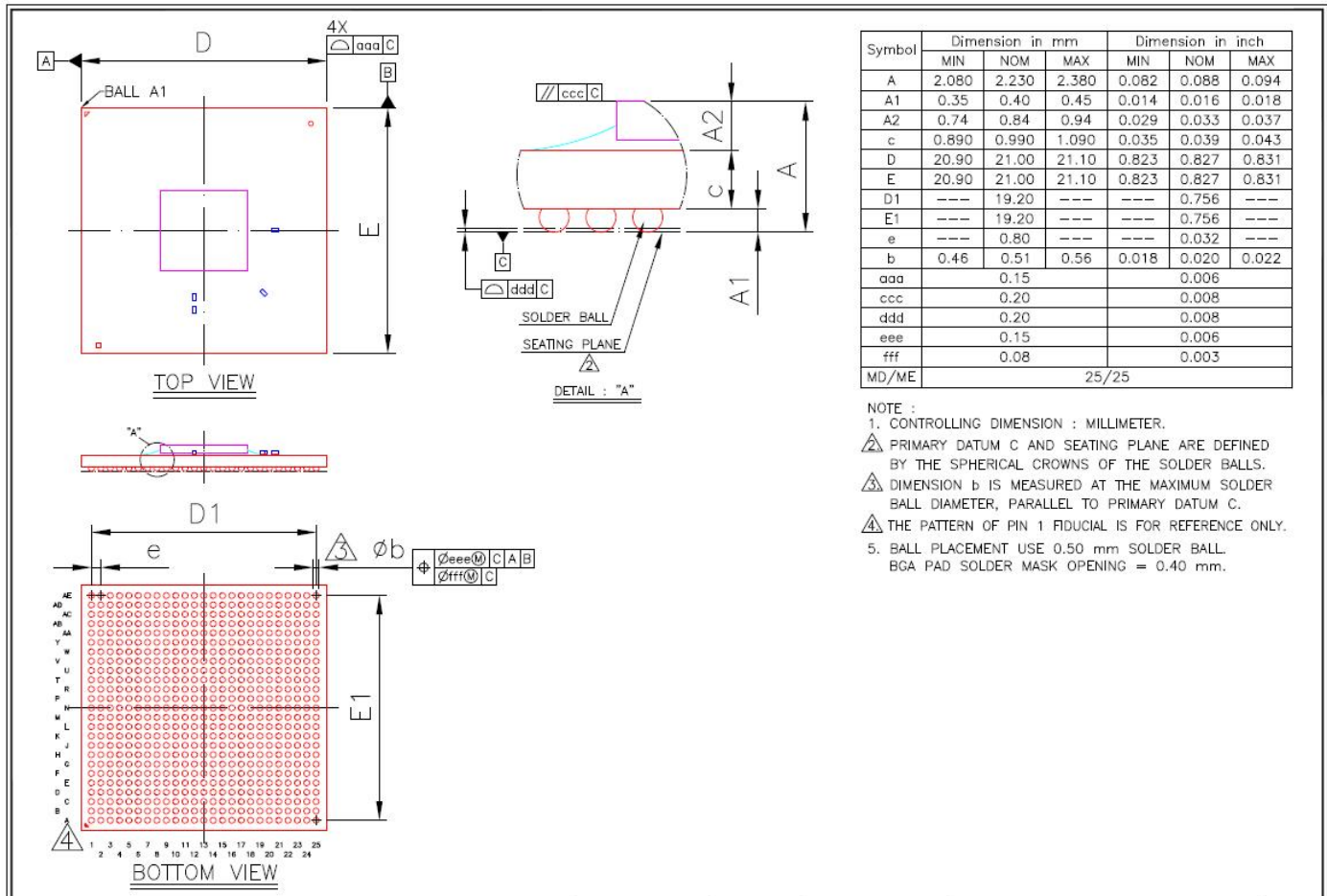


Figure UC1046 Package Outline



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