

## CIR-W4DUSW2616G Art. no. 159832

DDR4 WIDE TEMP. DIMM 2666MHz 16GB

### Description

CIR-W4DUSW2616G is a CMOS Double Data Rate IV (DDR4) Synchronous DRAM module, in Fine Ball Grid Array (FBGA) packages on a 288pin glass-epoxy substrate.

DDR4 unbuffered UDIMM series offers fully synchronous operations referenced to both rising and falling edges of the clock. The data paths are internally pipelined and 8-bit prefetched to achieve very high bandwidth.

### Specifications

|                        |                    |
|------------------------|--------------------|
| Density                | 16GB               |
| Pin Count              | 288pin             |
| Type                   | Unbuffered         |
| Dimensions             | 133.35mm x 31.25mm |
| ECC                    | Non-ECC            |
| Component Config       | 1G x 8 bit         |
| Data Rate              | 2666 MHz           |
| CAS Latency            | 19                 |
| Voltage                | 1.2V               |
| PCB Layers             | 8                  |
| Operating Temp.(TCASE) | -40°C~+85°C        |
| Module Ranks           | Dual Rank          |

### Features

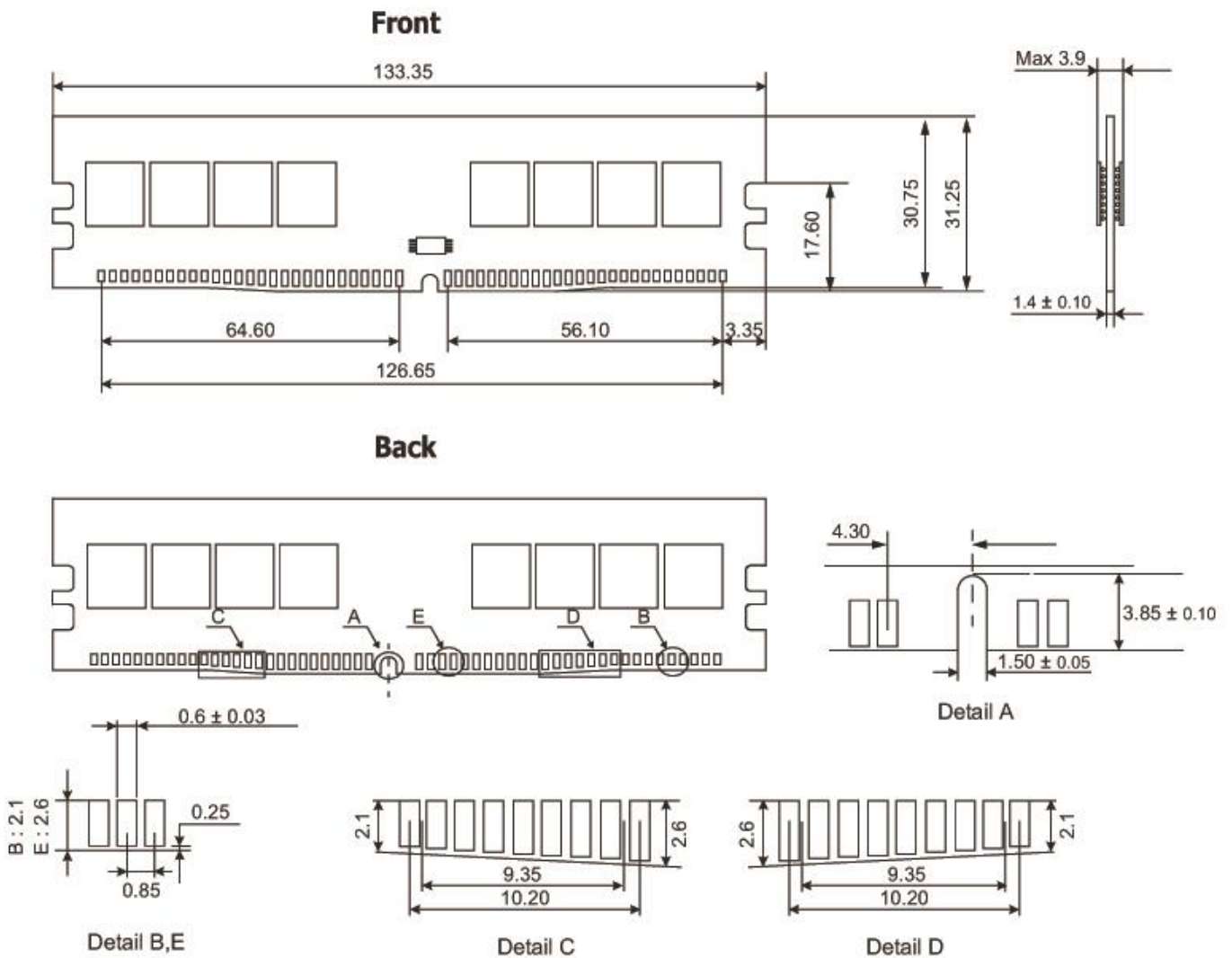
- JEDEC standard
- VDD=VDDQ = 1.2V±0.06V (1.14V~1.26V)
- Programmable CAS Latency(posted CAS): 11,12,13,14,15,16,17,18,19
- 8-bit pre-fetch
- 16 Banks (4 Bank Groups)
- Internal(self) calibration : Internal self calibration through ZQ pin
- On Die Termination using ODT pin
- Average Refresh Period
  - 7.8us ( TCASE ≤ 85°C )
  - 3.9us (85°C < TCASE < 95°C)
- Asynchronous Reset pin supported
- Burst Length: 8 or BC4
- POD (Pseudo Open Drain) interface for data input/output
- Serial presence detect (SPD)
- All of products are Halogen-free
- All of Lead-Free products are compliant for RoHS

### Speed Grade

| Frequency Grade | Data Transfer Rate | CAS Latency Support |      |      |      |      |      |      |      | CL-tRCD-tRP |
|-----------------|--------------------|---------------------|------|------|------|------|------|------|------|-------------|
|                 |                    | CL11                | CL12 | CL13 | CL14 | CL15 | CL16 | CL17 | CL19 |             |
| DDR4-2666       | PC4-21300          | 1600                | 1600 | 1866 | 1866 | 2133 | 2133 | 2400 | 2666 | 19-19-19    |

### Package Dimensions

Unit: mm



Tolerances : ± 0.15mm unless otherwise specified