

CIR-V5DESB4816G

DDR5 DIMM 4800MHz 16GB with ECC

Description

CIR-V5DESB4816G is a 2G x 64-bit (16GB) DDR5-4800 CL40 SDRAM (Synchronous DRAM), 1Rx8, memory module, based on eight 2G x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR5-4800 timing of 40-39-39 at 1.1V. Each 288-pin DIMM uses gold contact fingers.

Power management integrated circuit (PMIC) provides better signal integrity and more stable power. Original DRAM chips and all components are stringently tested for the highest level of compatibility, reliability, and performance.

This DDR5 ECC U-DIMM is intended for use as main memory when installed in PCs, laptops and other systems.

Specifications

Density	16GB
Pin Count	288pin
Type	Unbuffered
Dimensions	133.35mm x 31.25mm
ECC	with ECC
Component Config	2G x 8 bit
Data Rate	4800 MHz
CAS Latency	40
Voltage	1.1V
PCB Layers	8
Operating Temp.(TCASE)	0°C~+85°C
Module Ranks	Single Rank

Features

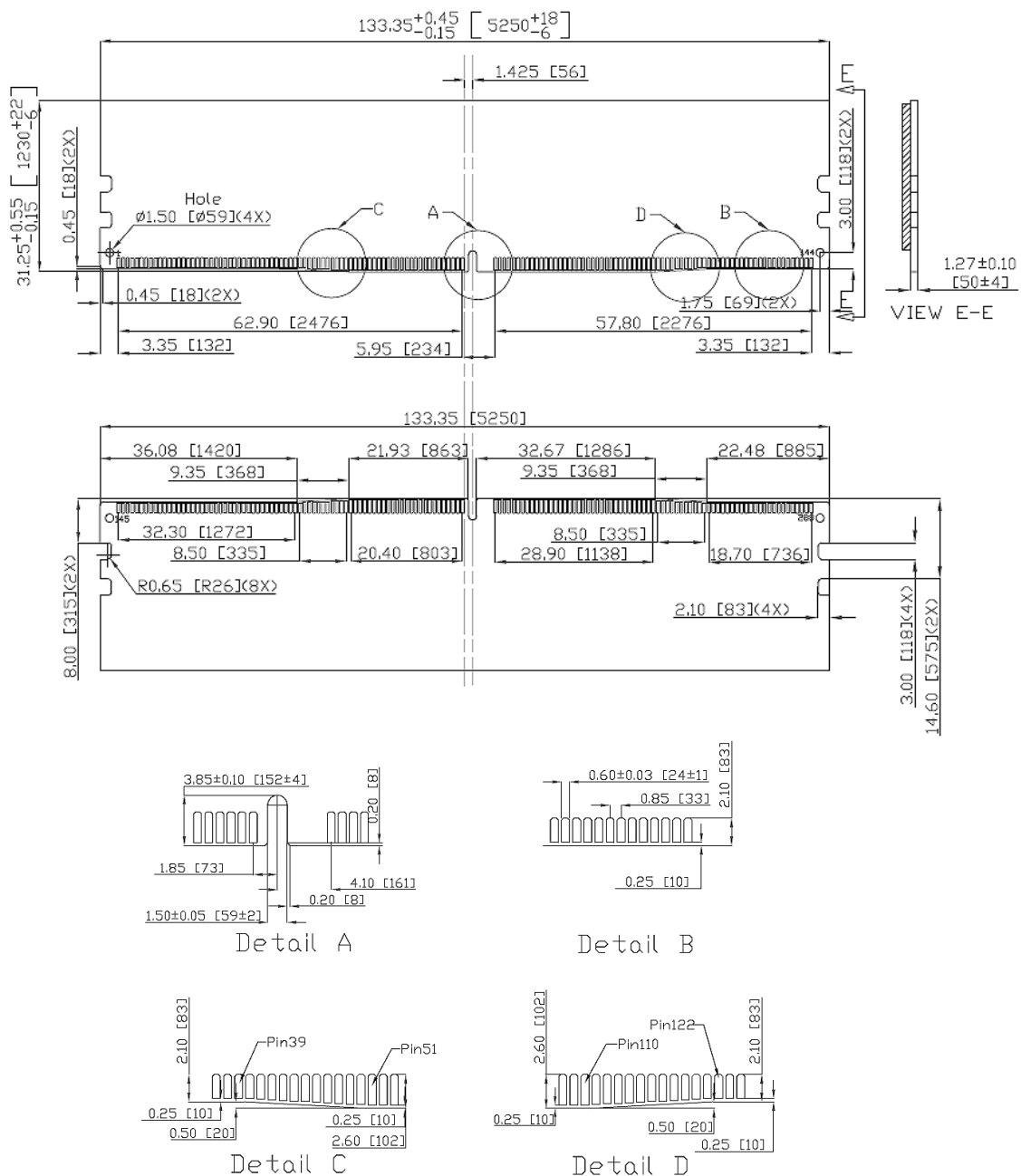
- JEDEC Standard 288-pin Dual In-Line Memory Module
- VDD = VDDQ = 1.1V (1.067V~1.166V)
- VPP = VDDSPD =1.8V
- Programmable /CAS Latency: 22,26,28,30,32,36,40,42
- PMIC on DIMM, nominal supply 5V, VIN_Bulk input supply range: 4.25 V to 5.5 V
- On-die, internal, adjustable VREF generation for DQ,CA,CS
- 16n-bit prefetch
- Two independent I/O sub channels
- On-Die ECC
- SPD EEPROM Hub and Integrated Thermal Sensor
- Fly-By topology
- Terminated control, command and address bus
- RoHS Compliant and Halogen free

Speed Grade

Frequency Grade	Data Transfer Rate	CAS Latency Support			CL-tRCD-tRP
		CL40	TBD	TBD	
DDR5-4800	PC5-38400	4800	TBD	TBD	40-39-39

Package Dimensions

Unit: mm



Tolerances: ± 0.15 mm unless otherwise specified