

CIR-S5DVSF5616G

DDR5 VLP-DIMM 5600MHz 16GB

Description

CIR-S5DVSF5616G is a 2G x 64-bit (16GB) DDR5-5600 CL46 SDRAM (Synchronous DRAM), 1Rx8, memory module, based on eight 2G x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR5-5600 timing of 46-45-45 at 1.1V. Each 288-pin DIMM uses gold contact fingers. CIR-S5DVSF5616G complies with all relevant JEDEC standards and is designed for space-constrained high-density servers, as well as networking, telecom, and embedded applications.

Specifications

Density	16GB
Pin Count	288pin
Type	Unbuffered
Dimensions	133.35mm x 17.78mm
ECC	Non-ECC
Component Config	2G x 8 bit
Data Rate	5600 MHz
CAS Latency	46
Voltage	1.1V
PCB Layers	8
Operating Temp.(TCASE)	0°C~+95°C
Module Ranks	Single Rank

Features

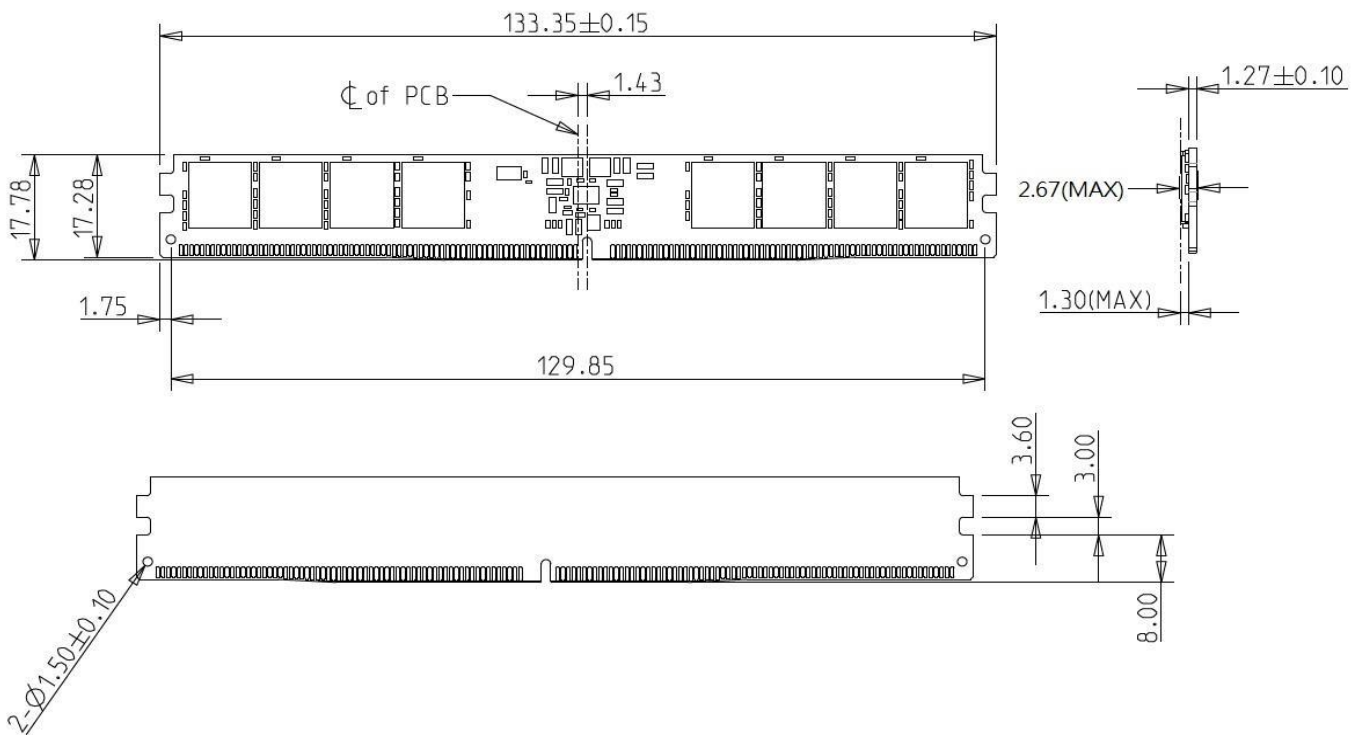
- JEDEC Standard 288-pin Dual In-Line Memory Module
- VDD = VDDQ = 1.1V (1.067V~1.166V)
- VPP = VDDSPD =1.8V
- Programmable /CAS Latency: 22,26,28,30,32,36,40,42,46
- PMIC on DIMM, nominal supply 5V, VIN_Bulk input supply range: 4.25 V to 5.5 V
- On-die, internal, adjustable VREF generation for DQ,CA,CS
- 16n-bit prefetch
- Two independent I/O sub channels
- On-Die ECC
- SPD Hub with 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	TBC	CL46	
DDR5-5600	PC5-44800	4800	TBC	5600	46-45-45

Package Dimensions

Unit: mm



Tolerances: ± 0.15 mm unless otherwise specified