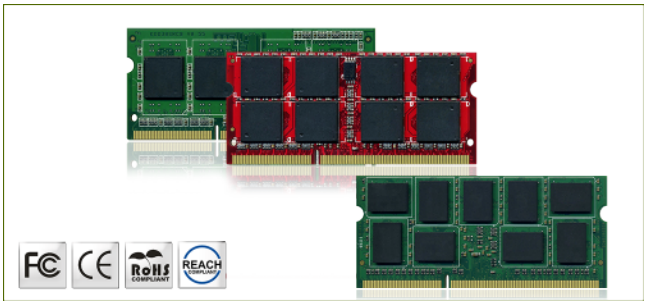
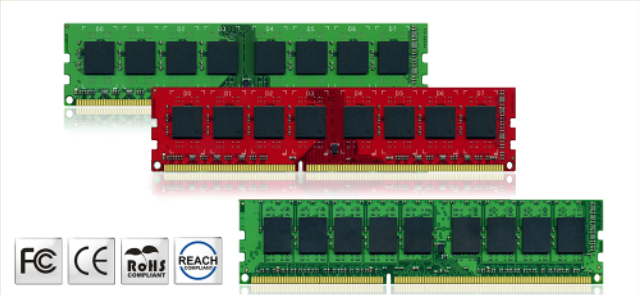


❖ Features

- Inputs and Outputs are SSTL-15 compatible
- VDD=VDDQ= 1.5 Volt ± 0.075 & 1.35 Volt ± 0.1
- Bi-directional Differential Data Strobe
- DLL aligns DQ and DQS transition with CK transition
- SDRAMs have 8 internal banks for concurrent operation
- Normal and Dynamic On-Die Termination support
- SDRAMs are 78-ball BGA Package
- JEDEC Standard 1.5V (1.425V~1.575V) & 1.35V (1.28V~1.45V)
- Two different termination values (Rtt_Nom & Rtt_WR)
- 30u" gold fingers.
- Low-profile NON-ECC optional & Low-voltage optional

❖ Specification

DDRIII SO-DIMM		DDRIII SO-DIMM w/ECC	
Interface	JEDEC Standard 204-pin Dual In-Line Memory Module	**Interface**	JEDEC Standard 204-pin Dual In-Line Memory Module
Grade	0ºC~+70ºC /-40ºC~+85ºC	**Grade**	0ºC~+70ºC /-40ºC~+85ºC
IC Data Rate	Non-Fixed / DDRIII-1600	**IC Data Rate**	DDRIII-1600
Bandwidth	64 bits	**Bandwidth**	72 bits
DIMM Data Rate	1600MHz / 1333MHz / 1066MHz	**DIMM Data Rate**	1600MHz / 1333MHz / 1066MHz
Capacity	1GB / 2GB / 4GB / 8GB	**Capacity**	1GB / 2GB / 4GB / 8GB
Pin Number	204 Pins	**Pin Number**	204 Pins
Height	30 mm + 0.15 mm	**Height**	30 mm + 0.15 mm
Voltage	1.5V & 1.35V	**Voltage**	1.5V & 1.35V
Warranty	5 years	**Warranty**	5 years



❖ Features

- Inputs and Outputs are SSTL-15 compatible
- VDD=VDDQ= 1.5 Volt ± 0.075 & 1.35 Volt ± 0.1
- Bi-directional Differential Data Strobe
- DLL aligns DQ and DQS transition with CK transition
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- Two different termination values (Rtt_Nom & Rtt_WR)
- 30u" gold fingers.
- Low-profile NON-ECC optional & Low-voltage optional

❖ Specification

DDRIII U-DIMM		DDRIII U-DIMM w/ECC	
Interface	JEDEC Standard 240-pin Dual In-Line Memory Module	**Interface**	JEDEC Standard 240-pin Dual In-Line Memory Module
Grade	0ºC~+70ºC /-40ºC~+85ºC	**Grade**	0ºC~+70ºC /-40ºC~+85ºC
IC Data Rate	Non-Fixed / DDRIII-1600	**IC Data Rate**	DDRIII-1600
Bandwidth	64 bits	**Bandwidth**	72 bits
DIMM Data Rate	1600MHz / 1333MHz / 1066MHz	**DIMM Data Rate**	1600MHz / 1333MHz / 1066MHz
Capacity	1GB / 2GB / 4GB / 8GB	**Capacity**	2GB / 4GB / 8GB
Pin Number	240 Pins	**Pin Number**	240 Pins
Height	30 mm + 0.15 mm	**Height**	30 mm + 0.15 mm
Voltage	1.5V & 1.35V	**Voltage**	1.5V & 1.35V
Warranty	5 years	**Warranty**	5 years