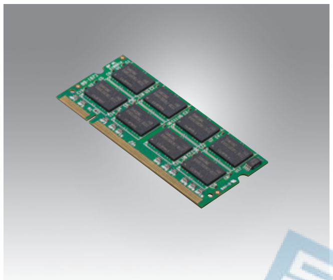
Industrial Grade

SQR-SD1I



Features

- Operating Temperature: -40° C to +85° C
- Gold plating on PCB gold finger is 30 u"
- JEDEC standard 2.6 V ± 0.1 V Power supply
- Max clock Freq: 200 MHZ; 400 Mb/s/Pin
- Serial presence detected with 2048-bit EEPROM

Specifications

Category	DDR1
Clock Speed	400 Mbps
Power Supply	SSTL_2
Voltage	2.6 V ± 0.1 V
Chip Package	FBGA
Pin/DIMM	200pin SO-DIMM
Gold plating on PCB gold finger	30u"
Operation Temp	-40° C to +85° C
Dimension (mm)	67.6 x 31.75

Ordering Information

Part No.	Product Description
SQR-SD1I-512M400SN	SQRAM 512MB SO-DDR-400 I-GRD SAM
SQR-SD1I-1G400SN	SQRAM 1GB SO-DDR-400 I-GRD SAM

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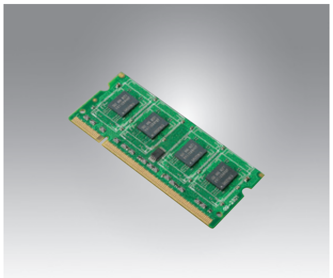
SQR-SD2I



Features

- Operating Temperature: -40° C to +85° C
- Gold plating on PCB gold finger is 30 u"
- JEDEC standard 1.8 V ± 0.1 V Power supply
- Max clock Freq: 333 MHZ; 667 Mb/s/Pin
- Serial presence detected with 2048-bit EEPROM

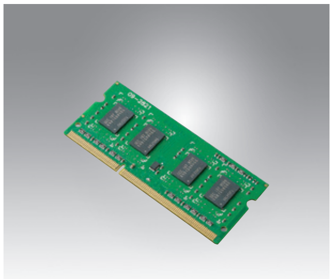
Specifications

Category	DDR2
Clock Speed	667 Mbps
Power Supply	SSTL_18
Voltage	1.8 V ± 0.1 V
Chip Package	FBGA
Pins/DIMM	200-pin SODIMM
Gold plating on PCB gold finger	30 u"
Operating Temperature	-40° C to +85° C
Dimensions (mm)	67.6±0.15 x 30

Ordering Information

Part No.	Product Description
SQR-SD2I-1G667SN	SQRAM 1G SO-DDR2-667 128 x 8 I-GRD SAM
SQR-SD2I-2G667SN	SQRAM 2G SO-DDR2-667 128 x 8 I-GRD SAM

SQR-SD3I



Features

- Operating Temperature: -40° C to +85° C
- Gold plating on PCB gold finger is 30 u"
- JEDEC standard 1.5 V ± 0.075 V Power supply
- Max clock Freq: 667 MHZ for 1333 Mb/s/Pin
- 800 MHZ for 1600 Mb/s/Pin
- Serial presence detected with 2048-bit EEPROM

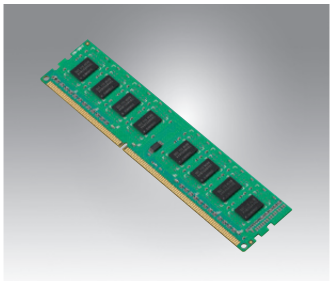
Specifications

Category	DDR3
Clock Speed	1333/1600 Mbps
Power Supply	SSTL_15
Voltage	1.5 V ± 0.075 V
Chip Package	FBGA
Pins/DIMM	204-pin SODIMM
Gold plating on PCB gold finger	30 u"
Operating Temperature	-40° C to +85° C
Dimensions (mm)	67.6±0.15 x 30

Ordering Information

Part No.	Product Description
SQR-SD3I-1G1333SN	SQRAM 1G SO-DDR3-1333 I-GRD SAM
SQR-SD3I-2G1333SN	SQRAM 2G SO-DDR3-1333 I-GRD SAM
SQR-SD3I-4G1333SN	SQRAM 4G SO-DDR3-1333 I-GRD SAM
SQR-SD3I-8G1600SN	SQRAM 8G SO-DDR3-1600 I-GRD SAM

SQR-UD3I



Features

- Operating Temperature: -40° C to +85° C
- Gold plating on PCB gold finger is 30 u"
- JEDEC standard 1.5 V ± 0.075 V Power supply
- Max clock Freq: 667 MHZ; 1333 Mb/s/Pin
- Serial presence detected with 2048-bit EEPROM

Specifications

Category	DDR3
Clock Speed	1333 Mbps
Power Supply	SSTL_15
Voltage	1.5 V ± 0.075 V
Chip Package	FBGA
Pin/DIMM	240pin SO-DIMM
Gold plating on PCB gold finger	30u"
Operation Temp	-40° C to +85° C
Dimension (mm)	133.35 x 30

Ordering Information

Part No.	Product Description
SQR-UD3I-1G1333SNG	SQRAM 1G 240P DDR3-1333 I-GRD SAM
SQR-UD3I-2G1333SNC	SQRAM 2G 240P DDR3-1333 I-GRD SAM
SQR-UD3I-4G1333SNC	SQRAM 4G 240P DDR3-1333 I-GRD SAM

All product specifications are subject to change without notice