

32Mx32 GDDR3 900MHz

- Compatibility of 900MHz & 1GHz -

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Product Planning & Application Engineering Team

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32Mx32 GDDR3 Backward Compatibility : 900MHz/1GHz

□ Ordering information

Part No.	Max Freq.	Max Data Rate	VDD/VDDQ
K4J10324QD-HJ1A	1GHz	2.0Gbps	1.85V +/-0.05V
N/A	900MHz	1.8Gbps	1.85V +/-0.05V
K4J10324QD-HC12/14	800/700MHz	1.6/1.4Gbps	1.8V +/-0.1V

- No 900MHz part in Samsung's ordering information

□ 1GHz part has the backward compatibility of 900MHz

- Provides the backward compatibility between 1GHz & 900MHz even if Samsung does not support 900MHz
- For 900MHz operation, recommends to use 1GHz part by setting 900MHz conditions
- Same VDD/VDDQ & AC timing conditions with 1GHz

	900MHz(tCK=1.1ns)	1GHz(tCK=1ns)
CL	12tCK	12tCK
tRP	12tCK	12tCK
tRAS	29tCK	29tCK
tRC	41tCK	41tCK
tRCDR	14tCK	14tCK
tRCDW	10tCK	10tCK
tRRD	10tCK	10tCK