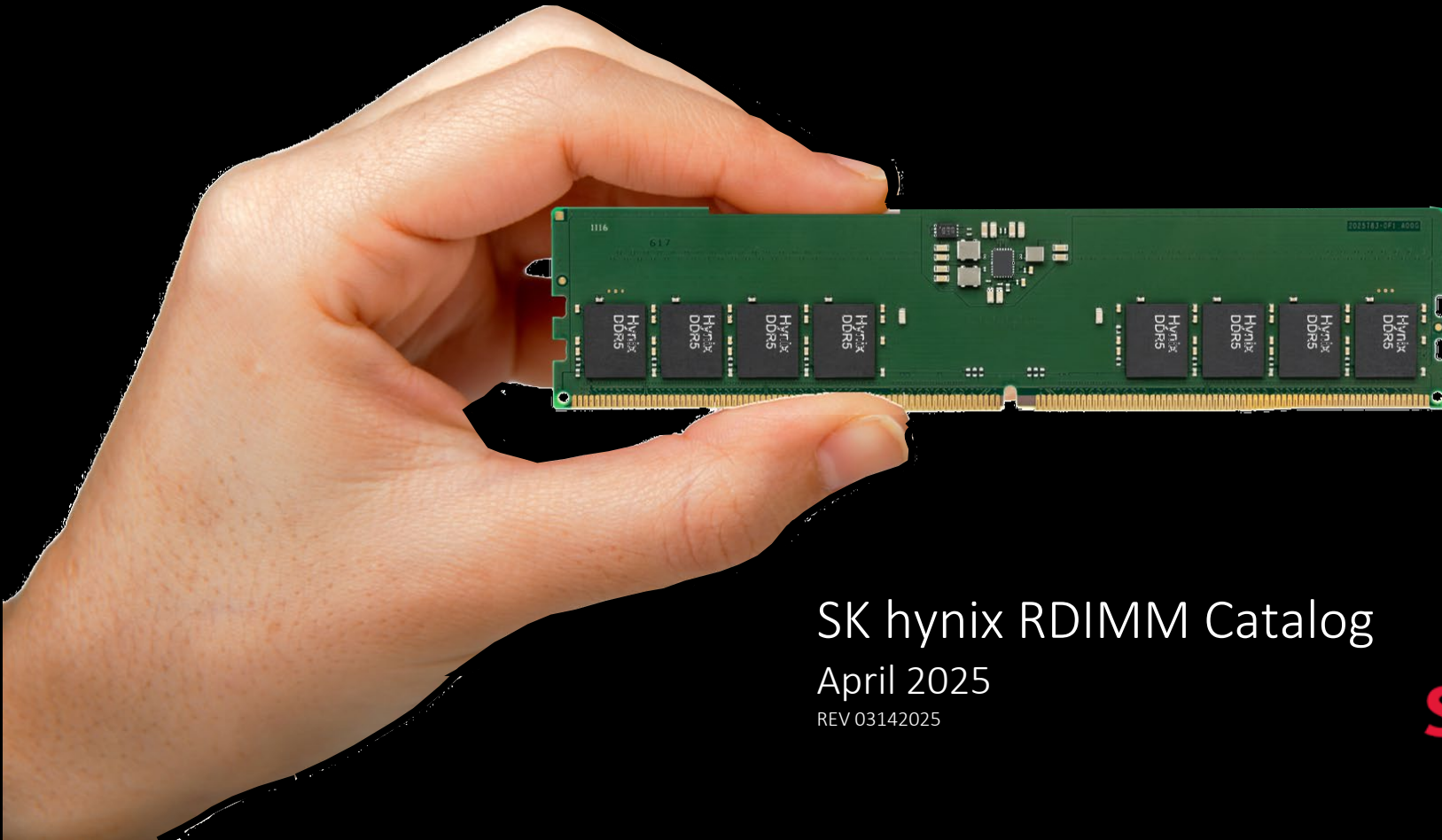




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SK hynix RDIMM Catalog

April 2025

REV 03142025



OPERATING RANGES & TESTING

PRODUCT FAMILY	PRODUCT LINE*	OPERATING TEMPERATURE RANGE			TESTING
		COMMERICAL	INDUSTRIAL	WIDE (AUTOMOTIVE)	AUTOMOTIVE (AEC-Q100 GRADE 2)
SDRAM MODULES	DDR5 RDIMMS	●	0°C to +95°C	-40°C to +95°C	-40°C to +105°C
	DDR4 RDIMMS	●	0°C to +95°C	-40°C to +85°C	-40°C to +105°C

* Check Product Line page online or in this catalog for specific devices in each family that comply with temperature ranges and testing.

SK hynix DDR5 RDIMMs

Commercial Temperature Range



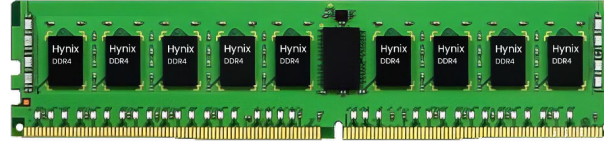
SMARTSEMI PART NUMBER	TEMP RANGE	TESTING	CAPACITY	ORG	RANKS	ORG	CAS LAT	BUS SPEED	VOLTAGE	PACKAGE	PACKING	MOQ	INCREMENT	DATA SHEET
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
KHMCT04AGERAxN	0°C to +95°C	Commercial	128GB	X4	2RX4, REG	4GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCT04MEERAxN	0°C to +95°C	Commercial	128GB	X4	2RX4, REG	16GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGM4MHBRBxN	0°C to +95°C	Commercial	96GB	X4	2RX4, REG	12GX80	16 tCK	6400 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGM4MGBRBxN	0°C to +95°C	Commercial	96GB	X4	2RX4, REG	12GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGM4MEBRBxN	0°C to +95°C	Commercial	96GB	X4	2RX4, REG	12GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG94AHBRAxN	0°C to +95°C	Commercial	64GB	X4	2RX4, REG	8GX80	16 tCK	6400 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG94AGBRAxN	0°C to +95°C	Commercial	64GB	X4	2RX4, REG	8GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG94AEBRAxN	0°C to +95°C	Commercial	64GB	X4	2RX4, REG	8GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGY8MHBRBxN	0°C to +95°C	Commercial	48GB	X8	2RX8, REG	6GX80	16 tCK	6400 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGY8MGBRBxN	0°C to +95°C	Commercial	48GB	X8	2RX8, REG	6GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGY8MEBRBxN	0°C to +95°C	Commercial	48GB	X8	2RX8, REG	6GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG88AHBRAxN	0°C to +95°C	Commercial	32GB	X8	2RX8, REG	4GX80	16 tCK	6400 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG88AGBRAxN	0°C to +95°C	Commercial	32GB	X8	2RX8, REG	4GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG88AEBRAxN	0°C to +95°C	Commercial	32GB	X8	2RX8, REG	4GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG84AHBRAxN	0°C to +95°C	Commercial	32GB	X4	1RX4, REG	4GX80	16 tCK	6400 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG84AGBRAxN	0°C to +95°C	Commercial	32GB	X4	1RX4, REG	4GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG84AEBRAxN	0°C to +95°C	Commercial	32GB	X4	1RX4, REG	4GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGJ8MHBRBxN	0°C to +95°C	Commercial	24GB	X8	1RX8, REG	3GX80	16 tCK	6400 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGJ8MGBRBxN	0°C to +95°C	Commercial	24GB	X8	1RX8, REG	3GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCGJ8MEBRBxN	0°C to +95°C	Commercial	24GB	X8	1RX8, REG	3GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG78AHBRAxN	0°C to +95°C	Commercial	16GB	X8	1RX8, REG	2GX80	16 tCK	6400 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG78AGBRAxN	0°C to +95°C	Commercial	16GB	X8	1RX8, REG	2GX80	16 tCK	5600 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link
KHMCG78AEBRAxN	0°C to +95°C	Commercial	16GB	X8	1RX8, REG	2GX80	16 tCK	4800 MHz	1.1V	288-pin RDIMM SDP	Tray	250	250	Link



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SK hynix DDR4 RDIMMs

Commercial Temperature Range



SMARTSEMI PART NUMBER	TEMP RANGE	TESTING	CAPACITY	ORG	RANKS	ORG	CAS LAT	BUS SPEED	VOLTAGE	PACKAGE	PACKING	MOQ	INCREMENT	DATA SHEET
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
KHMAG94DXNRBxxxN	0°C to +95°C	Commercial	64GB	X4	2RX4, REG	8GX80		3200 MHz	1.2V	288-pin RDIMM SDP	Tray	250	250	Link
KHMAG88DXNRBxxxN	0°C to +95°C	Commercial	32GB	X8	2RX8, REG	4GX80		3200 MHz	1.2V	288-pin RDIMM SDP	Tray	250	250	Link
KHMAG84EXNRAxxxN	0°C to +95°C	Commercial	32GB	X4	2RX4, REG	4GX80		3200 MHz	1.2V	288-pin RDIMM SDP	Tray	250	250	Link
KHMAG84DXNRBxxxN	0°C to +95°C	Commercial	32GB	X4	1RX4, REG	4GX80		3200 MHz	1.2V	288-pin RDIMM SDP	Tray	250	250	Link
KHMAG78EXNRA0xxN	0°C to +95°C	Commercial	16GB	X8	2RX8, REG	2GX80		3200 MHz	1.2V	288-pin RDIMM SDP	Tray	250	250	Link



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