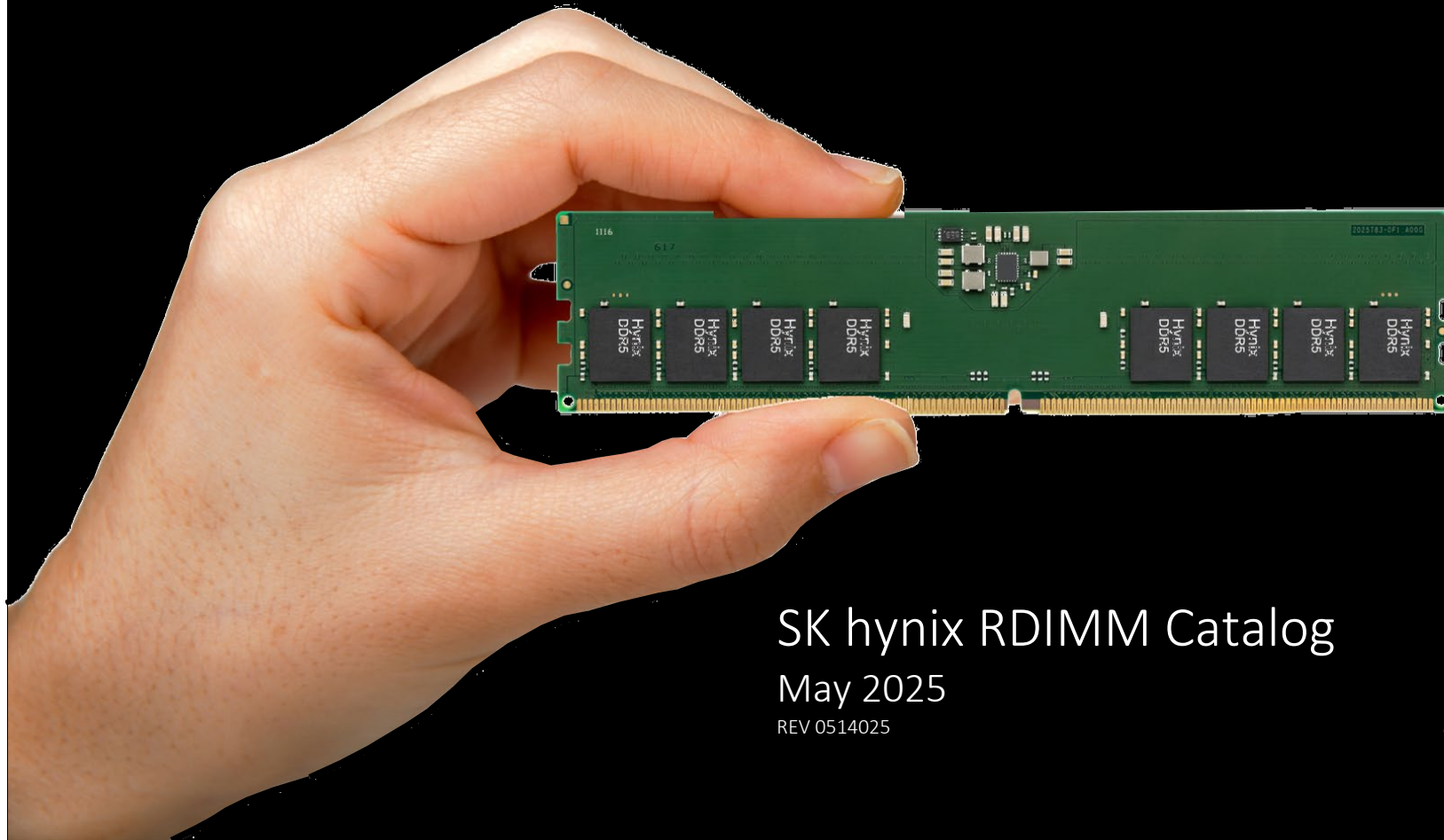




SMARTsemi®
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SK hynix RDIMM Catalog
May 2025
REV 0514025



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	-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	DENSITY	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
KHMCGM4MHBRBxxxN	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
KHMCGM4MGBRBxxxN	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
KHMCGM4MEBRBxxxN	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
KHMCG94AHBRAxxxN	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
KHMCG94AGBRAxxxN	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
KHMCG94AEBRAxxxN	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
KHMCGY8MHBRBxxxN	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
KHMCGY8MGBRBxxxN	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
KHMCGY8MEBRBxxxN	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
KHMCG88AHBRAxxxN	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
KHMCG88AGBRAxxxN	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
KHMCG88AEBRAxxxN	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
KHMCG84AHBRAxxxN	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
KHMCG84AGBRAxxxN	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
KHMCG84AEBRAxxxN	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
KHMCGJ8MHBRBxxxN	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
KHMCGJ8MGBRBxxxN	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
KHMCGJ8MEBRBxxxN	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
KHMCG78AHBRAxxxN	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
KHMCG78AGBRAxxxN	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
KHMCG78AEBRAxxxN	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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