



Synaptics Platforms in Partnership with Micron

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Micron® Memory Support for Synaptics® Multimedia Processors

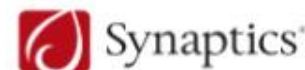
Save yourself time and money—Micron memory comes *validated* on Synaptics Multimedia Processors

Micron Memory		Synaptics Processor					
		VS-450	88DE3006	VS-550		AS-371	VS-680
		Dual Core A53 UHD/Adv HDR	Dual A7	Quad Core A53 UHD/Adv HDR		Quad A53 DSP on A53	Quad A73 DSP on A73
DRAM	Type	LPDDR4	DDR3/DDR3L	DDR3/DDR3L	DDR4	DDR3/DDR3L	LPDDR4/X
	Density	8Gb–16Gb	4Gb–8Gb	4Gb	4Gb	2Gb–4Gb	8Gb–16Gb
	Configuration	16Gb (512M x32) 8Gb (256M x32)	4Gb (256M x16) 8Gb (512M x16)	4Gb (256M x16)	4Gb (256M x16)	4Gb (256M x16) 2Gb (128M x16)	8Gb (256M x32) 16Gb (512M x32)
	Package	200 WFBGA	96 TFBGA	96 TFBGA	96 TFBGA	96 TFBGA	200 FBGA
	Validated PN	MT53B512M32D2NP-062 WT (16Gb) MT53B256M32D1NP-062 WT (8Gb)	MT41K256M16HA-125 (4Gb) MT41K256M16HA-107 (4Gb) MT41K256M16LY-107 (4Gb) MT41K512M16HA-125 (8Gb)	MT41K256M16LY-093 (DDR3L 4Gb) MT41K256M16TW-093 (DDR3L 4Gb) MT41K256M16TW-107(DDR3L 4Gb)	MT40A256M16GE-083 (DDR4 4Gb)	MT41K256M16LY-107 (DDR3L 4Gb) MT41K128M16JT-107 (DDR3L 2Gb)	MT53E256M32D2D2-053
	Qty/Board	1	1	2 (32-bit bus interface) or 4 (64-bit bus interface)	2 (32-bit bus interface) or 4 (64-bit bus interface)	2	2
NAND/e.MMC	Type	N/A	SLC NAND	e.MMC		SLC NAND	eMMC
	Density		2Gb–4Gb	8GB		4Gb	16GB
	Configuration		2Gb (256M x8) 4Gb (512M x8)	x8		4Gb (512M x8)	x8
	Package		48 TSOP, 63 VFBGA	153 VFBGA		63 VFBGA	153 VFBGA
	Validated PN ¹		MT29F2G08ABAFAPW (2Gb TSOP) MT29F2G08ABAFAPW (2Gb TSOP) MT29F2G08ABAFAPW (2Gb TSOP) MT29F2G08ABAFAPW (2Gb TSOP)	MTFC8GAKAJCN-1M WT (8GB) MTFC8GACAECN-1M WT (8GB)		MT29F4G08ABAF4H4 (4Gb VFBGA)	MTFC16GAPALBH
	Qty/Board		1	1		1	1
SPI NOR	Type	SPI NOR	N/A	N/A	N/A	N/A	
	Density	16Mb					
	Configuration	16Mb (8M x2)					
	Package	8 SOIC					
	Validated PN	M25PX16-VMN6TP ²					

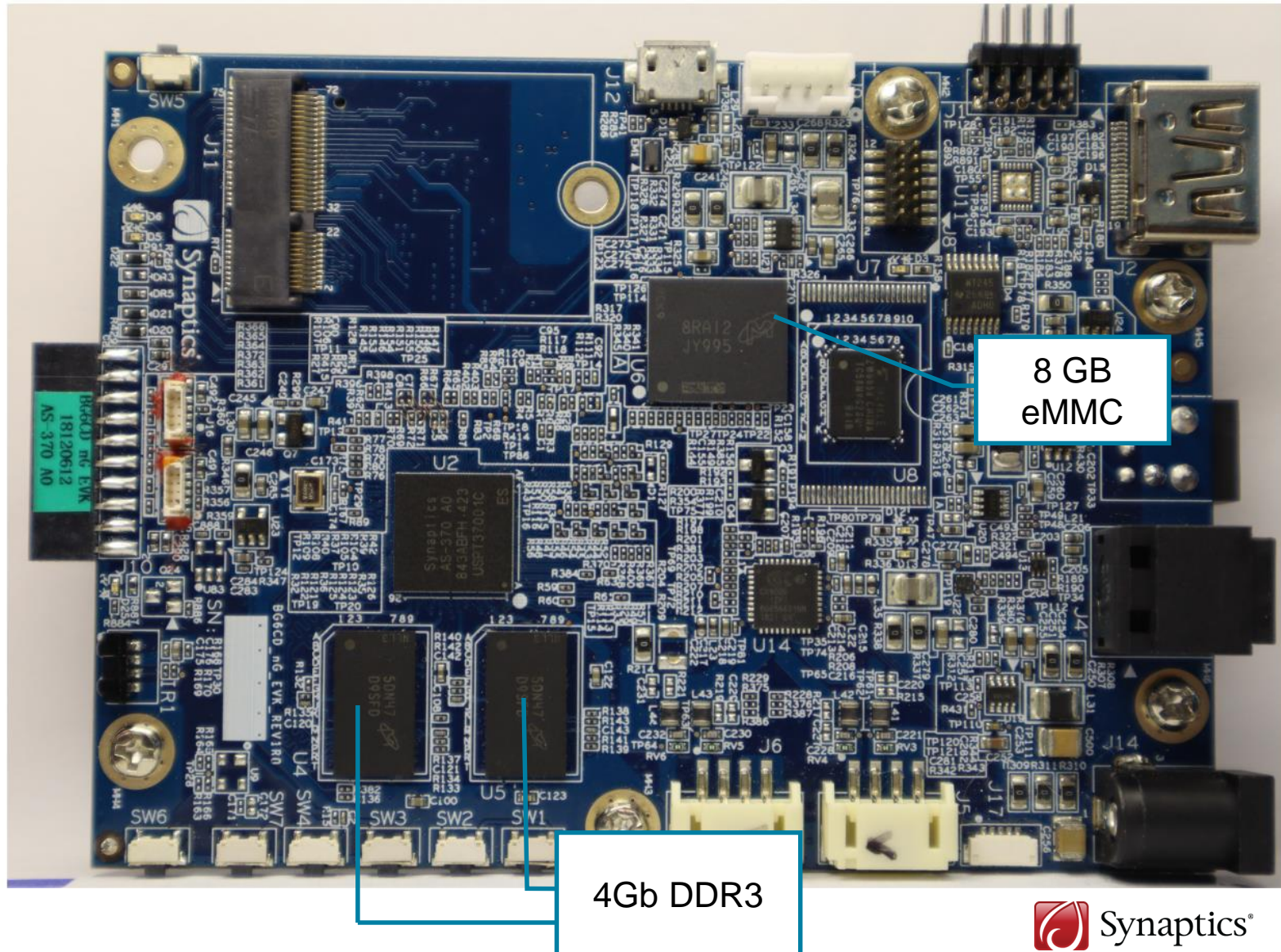
1. The Micron part numbers specified are the ones validated on the board. Not all parts may be available currently. Please contact your local Micron sales representative for part availability or replacement parts if currently not available.

2. This Micron part is EOL'ed. Please contact Micron sales representative for replacement parts.

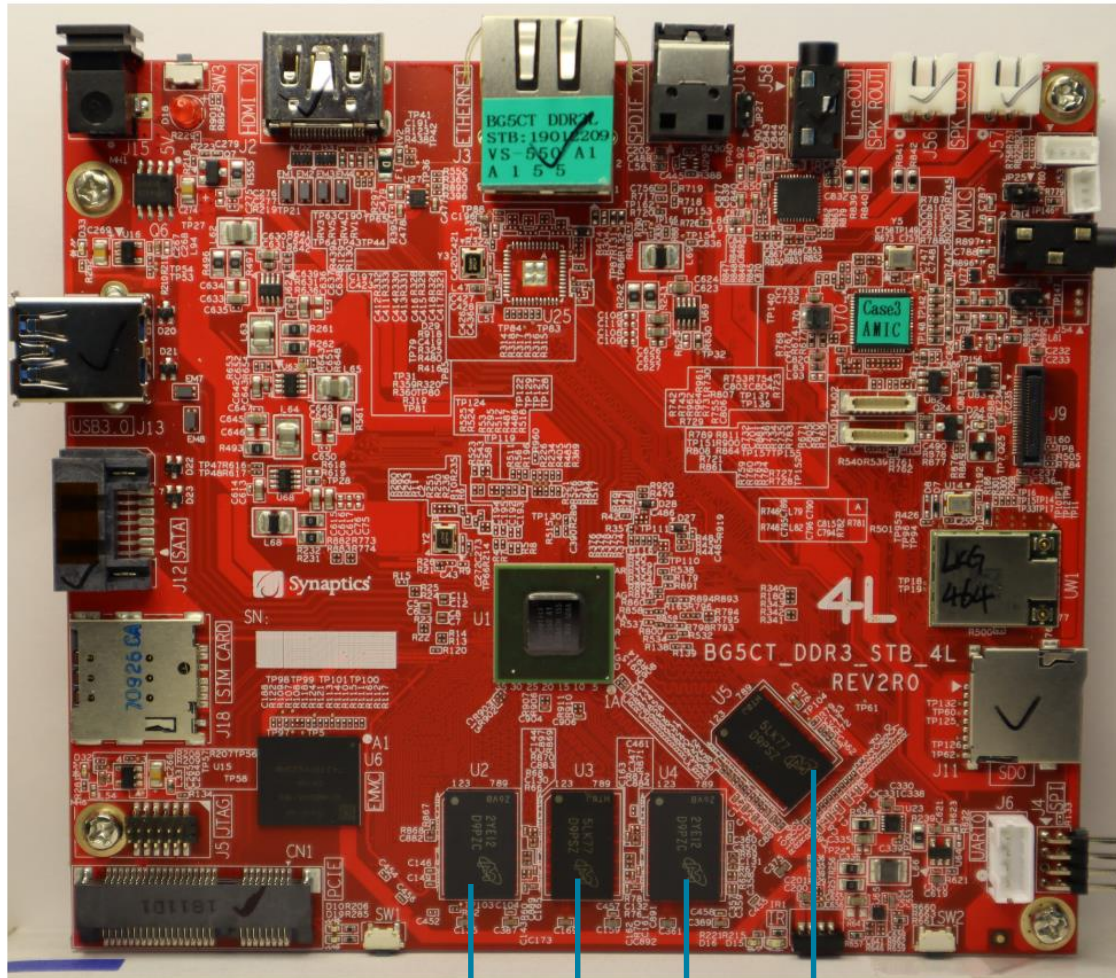
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Platform for AS-371 AudioSmart™ SOC speaker, soundbar, and mesh WiFi with edge AI products

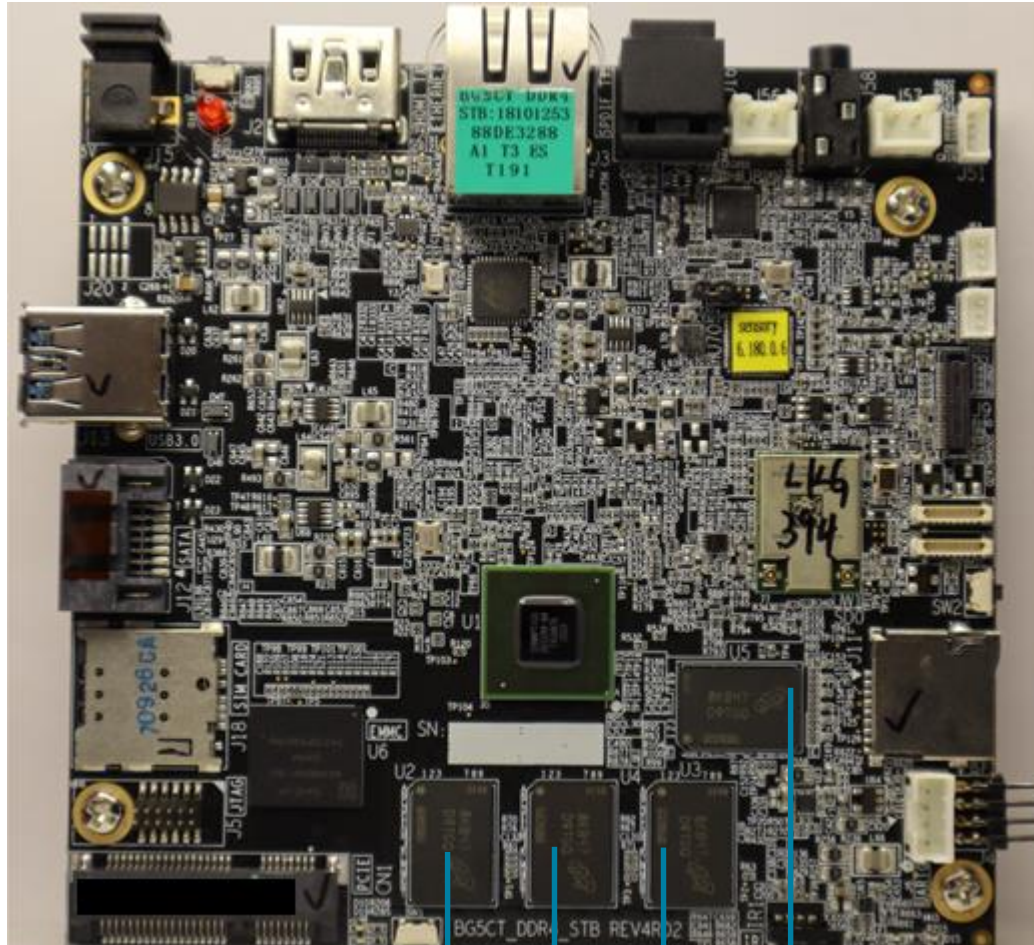


Platform for VS-550 VideoSmart™ SOC main-stream Set-Top-Box products



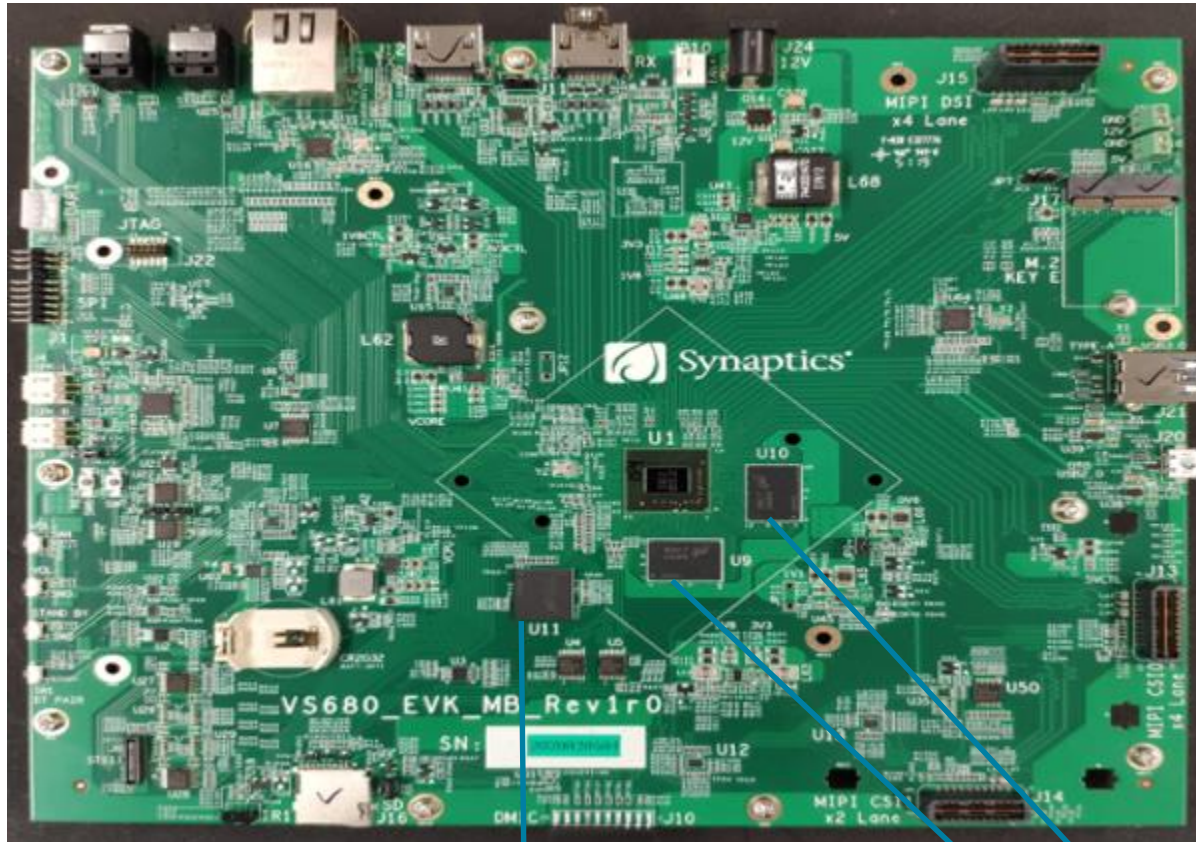
4Gb DDR3

Platform for VS-550 VideoSmart™ SOC performance Set-Top-Box products



4Gb DDR4

VS-680 VideoSmart™ SOC with advanced local edge AI capabilities for smart display, set-top-box, and soundbar applications



16 GB
eMMC

8Gb
LPDDR4