

Product Selection Guide of ESMT KGD

DRAM

Updated Date : 11/07/2006

Density	Organization	Description	Refresh	Speed (ns)	Pad coordinates	MP
4Mb	256Kb*16	EDO DRAM 5V	512	25/35	2 Edge pads	Now
		EDO DRAM 3.3V	512	35	2 Edge pads	Now

SDRAM

Density	Organization	Description	Refresh	Speed (MHz)	Pad coordinates	MP
16Mb	1Mb*16	SDRAM 2.5V	2K	143	2 Edge pads	Now
		SDRAM 3.3V	2K	143/200	2 Edge pads	Now
32Mb	2Mb*16	SDRAM 3.3V	2K	143/166	2 Edge pads	Now
	1Mb*32	SDRAM 3.3V	2K	143/166	2 Edge pads	Now
64Mb	4Mb*16	SDRAM 2.5V	4K	100	1 Central pad	Now
		SDRAM 3.3V	4K	143/200	1 Central pad	Now
	2Mb*32	SDRAM 2.5V	4K	143	2 Central pad	Now
		SDRAM 3.3V	4K	166/200	2 Central pads	Now
128Mb	8M*16	SDRAM 2.5V	4K	143	2 Central pads	Now
		SDRAM 3.3V	4K	143/166	2 Central pads	Now
	4M*32	SDRAM 2.5V	4K	166	4 Edge pads	Now
		SDRAM 3.3V	4K	143/166	4 Edge pads	Now

DDR SDRAM (Dobule-Data-Rate SDRAM)

Density	Organization	Description	Refresh	Speed (MHz)	Pad coordinates	MP
32Mb	1Mx32	DDR-SDRAM 2.5V	4K	166/200	4 Edge pads	Now
64Mb	4Mx16	DDR-SDRAM 2.5V	4K	200	TBD	Q3'07
128Mb	8M*16	DDR-SDRAM 2.5V	4K	166/200	2 Central pads	Now
	4M*32	DDR-SDRAM 2.5V	4K	200	4 Edge pads	Now

Mobile SDRAM

(1)All Mobile functions are included : PASR,TCSR,DS,Deep power down mode.
(2)Icc6 : Self-refresh current with full bank in 70 °C .

Density	Organization	Description	Refresh	Speed (MHz)	ICC6 / ICC7 (uA)	Pad coordinates	MP
16Mb	1Mx16	Mobile SDRAM 2.5V	4K	66/100/125	110/10	2 Edge pads	Now
		Mobile SDRAM 1.8V	4K	66/100	65/10	2 Edge pads	Now
32Mb	2Mx16	Mobile SDRAM 2.5V	4K	100/133	200/10	2 Edge pads	Now
		Mobile SDRAM 1.8V	4K	100/133	200/10	2 Edge pads	Now
	1Mx32	Mobile SDRAM 2.5V	4K	100/133	200/10	2 Edge pads	Now
		Mobile SDRAM 1.8V	4K	100/133	200/10	2 Edge pads	Now
64Mb	4Mx16	Mobile SDRAM 2.5V	4K	100/133	TBD	2 Edge pads	Q2 '07
		Mobile SDRAM 1.8V	4K	100/133	TBD	2 Edge pads	Q2 '07
	2Mx32	Mobile SDRAM 2.5V	4K	100/133	TBD	2 Edge pads	Q2 '07
		Mobile SDRAM 1.8V	4K	100/133	TBD	2 Edge pads	Q2 '07
128Mb	8Mx16	Mobile SDRAM 2.5V	4K	143	TBD	2 Edge pads	Q2 '07
		Mobile SDRAM 1.8V	4K	143	TBD	2 Edge pads	Q2 '07

Parallel NOR Flash

Density	Organization	Description	Speed (ns)	cycling	Pad coordinates	MP
4Mb	512K*8	3V bottom boot	70	100k	2 Edge pads	Now
		3V upper boot	70	100k	2 Edge pads	Now
		3V, 4k uniform sector	70	100k	2 Edge pads	Now
	256k*16/512k*8	3V bottom boot	70	100k	2 Edge pads	Now
		3V upper boot	70	100k	2 Edge pads	Now
8Mb	512Kx16/1Mx8	2.7~3.6V bottom boot	70	100k	2 Edge pads	Now
		2.7~3.6V upper boot	70	100k	2 Edge pads	Now
16Mb	1Mx16/2Mx8	2.7~3.6V bottom boot	70	100k	2 Edge pads	Now
		2.7~3.6V upper boot	70	100k	2 Edge pads	Now
32Mb	2Mx16/4Mx8	2.7~3.6V bottom boot	70	100k	2 Edge pads	Q1'07
		2.7~3.6V upper boot	70	100k	2 Edge pads	Q1'07

Serial NOR Flash

Density	Description	Speed (MHz)	cycling	Pad coordinates	MP
4Mb	Upper boot	50	100k	2 Edge pads	Now
	Bottom boot	50	100k	2 Edge pads	Now
	4k uniform sector	50/100	100k	2 Edge pads	Now
8Mb	4k uniform sector	50/100	100k	2 Edge pads	Now
16Mb	4k uniform sector	50/100	100k	2 Edge pads	Now
32Mb	4k uniform sector	50/100	100k	2 Edge pads	Q1'07