















System-in-Package	. ,			
YEAR OF PRODUCTION	2004	2007	2010	2013
Technology 1/2 pitch (nm)	90	65	45	32
Terminals, digital	1000	2000	2000	2000
Terminals, RF	150	200	200	200
Body size, (L x W) (mm)	50	52	52	52
Terminal pitch, BGA (mm)	1.00	0.80	0.50	0.50
Terminal pitch, leadless (mm)	0.50	0.50	0.50	0.40
No. Stacked die	5	5	5	5
Total SiP die	10	10	8	6
Discrete passives chip size	0201	01005	01005	01005
Embedded passives	YES	YES	YES	YES
MSL level	2	2	2	2
Maximum reflow temperature (°C)	260	260	260	260
*ITRS 2003	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			















