

Part Number Decoders

May 9, 2023

DRAM Family

INSIGNIS TECHNOLOGY PART NUMBER DECODER										INSIGNIS TECHNOLOGY CORPORATION												
Description	Code	Field Def.	Pos.	1	2	3	4	5	6	7	8	9	0	1	2	3	Position	Field Definition	Code	Description		
INSIGNIS TECHNOLOGY, INC.	N	Sup. Name	1														13	Process	A	63nm		
																		Node	B	45nm		
																		Option 5	C	38nm		
																			D	25nm		
																			E	30nm		
																			F	19nm		
DRAM	D	Family	2														11,12	Temp	ET	Extended Test Coverage		
LPDRAM	L																	Website	AT	Automotive Temp		
																		Option 4	IT	Industrial Temp		
SDR	S	Function	3														9, 10	Speed & Latency	16	PC166		
DDR	D																		20	PC200		
DDR2	B																		2A	DDR400		
DDR3	T																		Option 3	25	DDR500	
DDR3L	L																			4D	800-5-5-5	
DDR4	Q																			5E	1066-6-6-6	
																				8K	1600-11-11-11	
																				9M	1866-13-13-13	
																				5G	2133-14-14-14	
																				8N	2400-16-16-16	
																				8X	2400-17-17-17	
																				7N	2666-19-19-19	
																				6N	3200-22-22-22	
16Mb	9	Density	4														7, 8	Package	T5	54I TSOPII		
64Mb	6																			Website	T6	66I TSOPII
128Mb	7																			Option 2	T9	86I TSOPII
256Mb	3																				BA	54b FBGA (8x8x1.2)
512Mb	5																				BE	90b FBGA (8x13x1.2)
1Gb	1																				FB	60b FBGA (8x10x1.2)
2Gb	2																				FC	84b FBGA (8x12.5x1.2)
4Gb	4																				FD	60b FBGA (8x13x1.2)
8Gb	8																				FE	96b FBGA (9x13.5x1.2)
x4	4	IO Width	5																		FG	96b FBGA (9x13)
x8	8	Website																			FH	78b FBGA (8x10.5)
x16	6	Option 1																			FI	96b FBGA (7.5x13)
x32	3																				FJ	96b FBGA (8x13x1.0)
																					FL	134b FBGA (10x11.5x1.0)
																					FM	144b LFBGA (12x12x1.4)
																					FN	168b LFBGA (12x12x0.9)
																					FO	78b FBGA (9x10.6x1.2)
																					FP	96b FBGA (7.5x13.5x1.2)
																					FQ	78b FBGA (7.5x10.6x1.2)
																					FR	78b FBGA (7.5x10.5x1.0)
																					FS	200b FBGA (10x14.5)

updated 5/9/2023



Storage Product Family

INSIGNIS TECHNOLOGY PART NUMBER DECODER														INSIGNIS TECHNOLOGY CORPORATION							
Description	Code	Field Def.	Pos.											Field	Code	Detail Description					
				1	2	3	4	5	6	7	8	9	0				-	1	2	3	
INSIGNIS TECHNOLOGY, INC.	N	Sup. Name	1															13	Option	J	pSLC
Solid State Drive	S	Family	2															11,12	Option	ET	Extended Test Coverage
eMMC	EC	Form Factor	3, 4																Website	IT	Industrial Temp
																			Option 4	AT	Automotive Temp
																				EP	ET with Power Loss Protection
																				IP	IT with Power Loss Protection
																				AP	AT with Power Loss Protection
																		8, 9, 10	Capacity	04	4GB
																			Website	08	8GB
																			Option 2	016	16GB
																				032	32GB
																				064	64GB
																				096	96GB
eMMC 153b BGA	53	Website	5, 6																	128	128GB
eMMC 100b BGA	00	Option 1																		256	256GB
																				512	512GB
																				1T0	1TB
																				2T0	2TB
																		7	NAND Technology	K	15nm MLC
																			Website	L	TLC
																			Option 3	U	19nm MLC
																				T	3D TLC
																				M	3D MLC
																				N	3D QLC

Updated 6/2/2022

