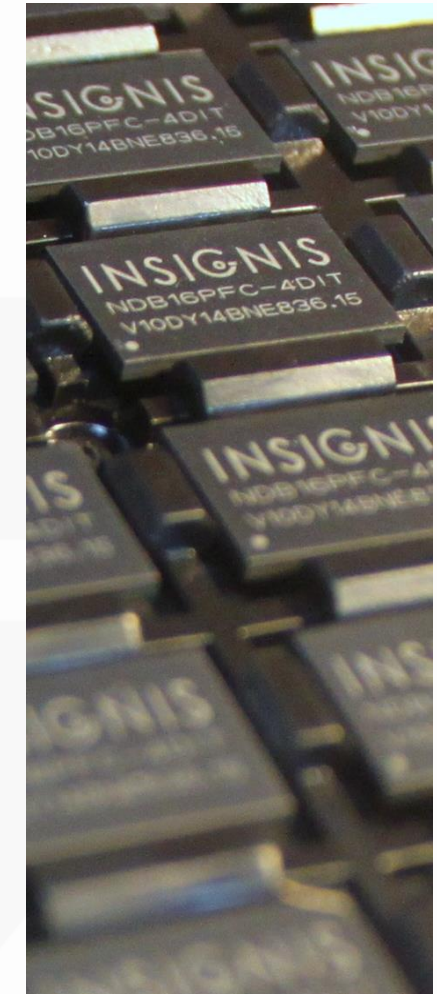


Part Number Decoders


August 6, 2021

DRAM Family

INSIGNIS TECHNOLOGY PART NUMBER DECODER																					
INSIGNIS TECHNOLOGY CORPORATION																					
Description	Code	Field		1 1 1 1											Field	Code	Description				
		Field Def.	Pos.	1	2	3	4	5	6	7	8	9	0	1				2	3	Position	Definition
INSIGNIS TECHNOLOGY, INC.	N	Sup. Name	1															13	Process	A	63nm
																			Node	B	45nm
																			Option 5	C	38nm
																				D	25nm
																				E	30nm
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																		Website	2A	DDR400
DDR2	B																		Option 3	25	DDR500
DDR3	T																			4D	800-5-5-5
DDR3L	L																			5E	1066-6-6-6
DDR4	Q																			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 (9x13x1.0/1.2)
x8	8	Website																		FH	78b FBGA (8x10.5x1.0/1.2)
x16	6	Option 1																		FI	96b FBGA (7.5x13x1.0)
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)
updated 8/6/2021																					



Storage Product Family

INSIGNIS TECHNOLOGY PART NUMBER DECODER																			
																			
Description	Code	Field Def.	Pos.											Field	Code	Detail Description			
				1	2	3	4	5	6	7	8	9	0				-	1	2
				N	S											Position	Definition		
INSIGNIS TECHNOLOGY, INC.	N	Sup. Name	1													13	Option Option 5	J	pSLC
Solid State Drive	S	Family	2													11,12	Option	ET	Extended Test Coverage
2.5" SSD 7mm thick	S7	Form Factor	3, 4														Website	IT	Industrial Temp (-40C to 85C)
2.5" SSD 9.5mm thick	S9																Option 4	AT	Automotive Temp (-40C to 105C)
1.8" - half/thin MO-297	S2																	EP	ET with Power Loss Protection
M.2 SATA	M2																	IP	IT with Power Loss Protection
M.2 NVMe	N2																	AP	AT with Power Loss Protection
mSATA - MO-300	MS															8, 9, 10	Capacity	04	4GB
CFast™ SATA	CF																Website	08	8GB
eMMC	EC																Option 2	016	16GB
microSSD (uSSD)	US																	032	32GB
TSB BiCS3 microSSD	22	Form Factor	5, 6															064	64GB
MLC microSSD	23	Website																096	96GB
M.2-2230	30	Option 1																128	128GB
M.2-2242	42																	256	256GB
M.2-2260	60																	512	512GB
M.2-2280	80																	1T0	1TB
M.2-22110	11															7	NAND Technology	2T0	2TB
MO-300	51																Website	A	1-CH
MO-297	39																Option 3	B	2-CH
eMMC 153b BGA	53																	K	15nm MLC
eMMC 100b BGA	00																	L	TLC
70mm x 100mm	00																	U	19nm MLC
36.4mm x 42.8mm (Cfast)	CF																	T	3D TLC
																		M	3D MLC
																		N	3D QLC

Updated 07/09/2020

