



DOLPHIN TECHNOLOGY PRODUCT OFFERING STANDARD CELLS

Dolphin offers an extensive array of Standard Cell libraries that have been methodically tested and verified in silicon for each process technology supported.

More than 3500 fully customizable cells are available, and each has been optimized for speed, routability, power and density, in

order to maximize performance and wafer yield while lowering overall SoC cost.

Dolphin's Standard Cell libraries are available in Multi-VT (SVT, HVT, LVT, ULVT, UHVT, etc.) and Multi-channel, to meet a wide range of application requirements.

TRACK	CELL TYPE	CHANNEL LENGTH	2/3nm	4/5nm	6/7nm	12/16 nm	22/28 nm	40nm	55/65 nm	80/90 nm
5	Ultra LP & Ultra High Density	2nm	●							
6	High Perf & Very High Density	2nm	●							
6	Ultra LP & Ultra High Density	6nm		●						
8	High Perf & Very High Density	6nm		●						
6	Ultra LP & Ultra High Density	8nm, 11nm			●					
7.5	High Perf & Very High Density	8nm, 11nm			●					
6	Ultra LP & Ultra High Density	16-18-20-24nm				●				
7.5	High Perf & Very High Density	16-18-20-24nm				●				
9	High Perf & High Density	16-18-20-24nm				●				
10.5	Very High Perf & High Density	16-18-20-24nm				●				
12	Ultra High Performance	16-18-20-24nm				●				
6.5	Ultra LP & Ultra High Density	30nm, 35nm, 40nm					●			
7	Ultra LP & Ultra High Density	30nm, 35nm, 40nm					●			
9	High Perf & Very High Density	30nm, 35nm, 40nm					●			
10	High Perf & High Density	30nm, 35nm, 40nm					●			
12	Very High Perf & High Density	30nm, 35nm, 40nm					●			
14	Ultra High Performance	30nm, 35nm, 40nm					●			
6	Ultra LP & Ultra High Density	40nm, 45nm, 50nm						●		
7	Ultra LP & Ultra High Density	40nm, 45nm, 50nm						●		
10	High Perf & High Density	40nm, 45nm, 50nm						●		

Front End views are available under NDA.

For more information, contact Dolphin Support or sales@dolphin-ic.com

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12	Ultra High Perf & High Density	40nm, 45nm, 50nm						●		
6	Ultra LP & Ultra High Density	60nm, 65nm, 70nm							●	
7	Ultra LP & Ultra High Density	60nm, 65nm, 70nm							●	
10	High Perf & High Density	60nm, 65nm, 70nm							●	
7	Ultra LP & Ultra High Density	90nm, 100nm								●
10	High Perf & High Density	90nm, 100nm								●

STANDARD CELL FEATURES	2/3nm	4/5nm	7nm	12/16nm	22/28nm	40nm	55/65nm	80/90nm
Fully customizable standard cell library consisting of more than 3500 cells	●	●	●	●	●	●	●	●
Multi-VT (SVT, HVT, LVT, ULVT, UHVT, etc.) available	●	●	●	●	●	●	●	●
Multi-channel libraries available	N/A	N/A	●	●	●	●	●	●
With and without CPODE	N/A	N/A	●	●	N/A	N/A	N/A	N/A
NLDM and CCS models available	●	●	●	●	●	●	●	●
Watchdog capability (ultra low leakage in always-on circuit areas)	N/A	N/A	●	●	●	●	●	●
Support for all industry-standard tools (Cadence, Synopsys, Siemens, etc.)	●	●	●	●	●	●	●	●

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