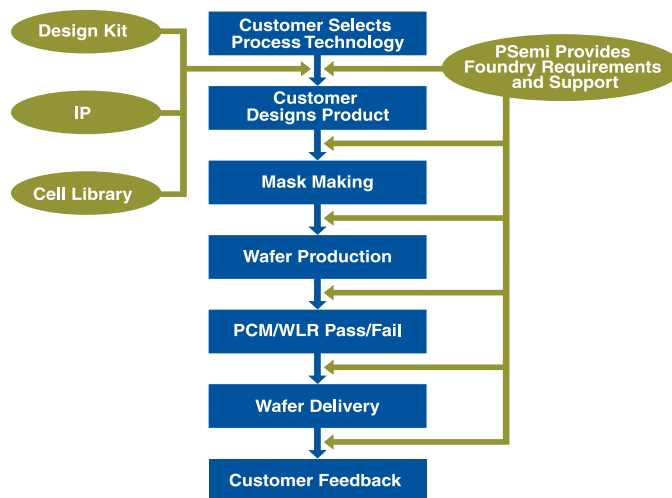


Peregrine's UltraCMOS™ RF and Mixed-Signal Wafer Foundry Services

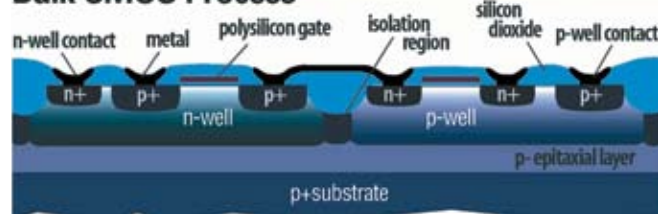
Unprecedented benefits in speed, power, integration and cost

The UltraCMOS process is a patented silicon-on-sapphire technology (SOS) that has for years been recognized as a technically superior semiconductor vehicle reserved for highly specialized military and space projects. SOS was thought to be impossible to manufacture in commercial volumes at a reasonable cost. Overcoming these challenges without sacrificing the inherent benefits of the technology took several years of research and development, all now protected by dozens of patents. The UltraCMOS process is the industry's first and only commercially qualified use of Ultra-Thin-Silicon (UTSi®) on a sapphire substrate enabling the combination of high-performance RF, mixed-signal, passive elements, nonvolatile memory and digital functions on a single device.

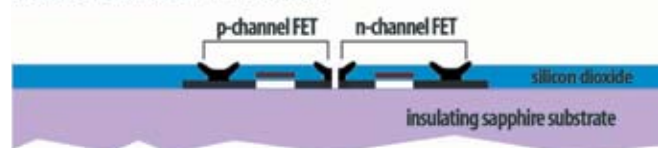


UltraCMOS™ vs Bulk CMOS

Bulk CMOS Process



UltraCMOS™ Process



This monolithic integration provides significant performance advantages over competing mixed-signal processes such as GaAs, SiGe, BiCMOS and bulk silicon CMOS in applications where RF performance, low power and integration are paramount. Additionally, because UltraCMOS devices are fabricated in standard high-volume CMOS facilities, products benefit from the fundamental reliability, cost effectiveness, high yields, scalability and integration of CMOS, while exceeding the peak performance levels historically expected from SiGe and GaAs.

FOUNDRY SERVICES

Our comprehensive portfolio of Process Design Kits, standard cell libraries, IP offerings and design services delivers leading-edge solutions for today's competitive RF wireless and broadband application challenges. For quick-turn prototyping service, we offer Multi-Project Runs (MPR) on a scheduled basis. This approach enables rapid, low-cost device evolution from design to limited or full production volumes. At Peregrine Semiconductor, our goal is to ensure customers achieve higher performance integrated circuits without a higher pricetag.

TECHNOLOGY FEATURES

Features Summary	Units	Process Variants						
		FA	FC	FD	FN	FO	GA	GC
Generation		0.5 um					0.25 um	
Release Status		Production					Pilot Production	
Application		Com/Auto/Mil			Rad-Hard		Com/Auto/Mil	
Supply Voltage	V	3.0/3.3					2.5	
Transistor Vts		3n/3p	3n/3p	3n/3p*	3n/3p	3n/3p	3n/3p	3n/3p
Resistors		2n/1p/1polycide					2n/1p/1silicide	
Interconnect Layers		3	3**	2	3	3**	3	3**
MIM Caps		No	Yes	No	No	Yes	No	Yes
Ft (IN Device)	GHz	15					30	
fmax	GHz	45					90	

MULTI-PROJECT RUN SCHEDULE

FA Process	FC Process	GA Process	GC Process	GDS Cut-Off Date	Tapeout Date	Delivery Date
			X	11/30/2007	12/14/2007	3/14/2008
	X			1/15/2008	1/29/2008	4/29/2008
			X	2/1/2008	2/15/2008	5/16/2008
X		X		2/15/2008	2/29/2008	5/30/2008
	X			3/14/2008	3/28/2008	6/27/2008
			X	4/1/2008	4/15/2008	7/15/2008
	X			5/15/2008	5/29/2008	8/28/2008
			X	6/2/2008	6/16/2008	9/15/2008
X		X		6/16/2008	6/30/2008	9/29/2008
	X			7/15/2008	7/29/2008	10/28/2008
			X	8/1/2008	8/15/2008	11/14/2008
	X			9/15/2008	9/29/2008	12/29/2008
			X	10/1/2008	10/15/2008	1/14/2009
X		X		10/15/2008	10/29/2008	1/28/2009
	X			11/14/2008	11/28/2008	2/27/2009
			X	12/1/2008	12/15/2008	3/16/2009

By selecting Peregrine's UltraCMOS™ technology, you can count on our expertise and outstanding support throughout the entire foundry process.

FOUNDRY TURN-TIME

	Multi-Projects	Foundry
CAD Engineering	1 week	1 week
Mask Tooling	2 weeks	2 weeks
Fab Cycle	8 weeks	8 weeks
PCM/WLR/ Backgrind/Shipping	1 week	1 week
Dicing	1 week	Optional
TOTAL	13 weeks	12 weeks

FOUNDRY CONTACT INFORMATION

Americas and Asia Pacific

Email: foundry@psemi.com

Phone: 858-731-9407

Europe

Email: foundry-europe@psemi.com

Phone: +33 (0) 4 4239-3361

About Peregrine Semiconductor

Peregrine Semiconductor Corporation designs, manufactures, and markets high-performance RF ICs ideally suited for mobile wireless and wireless infrastructure; broadband communications; space; defense and avionics applications. Manufactured on the Company's proprietary UltraCMOS™ mixed-signal process technology, Peregrine products offer unprecedented levels of monolithic integration, and are uniquely poised to meet the needs



of a global RF design community in high-growth applications such as WCDMA and GSM digital cellular, broadband, DTV, DVR and rad-hard space and defense programs. The Company, headquartered in San Diego, California, maintains global sales support operations and a worldwide technical distribution network.

The Americas

Peregrine Semiconductor Corporation
9380 Carroll Park Drive
San Diego, CA, USA 92121
Phone: 858-731-9400
Fax: 858-731-9499

Asia Pacific

Peregrine Semiconductor,
Asia Pacific (APAC)
Shanghai, 200040, P.R. China
Tel: +86-21-5836-8276
Fax: +86-21-5836-7652

Europe

Peregrine Semiconductor Europe
Bâtiment Maine
13-15 rue des Quatre Vents
F-92380 Garches, France
Phone: +33-1-4741-9173
Fax: +33-1-4741-9173

Peregrine Semiconductor, Korea
#B-2607, Kolon Tripolis, 210
Geumgok-dong, Bundang-gu,
Seongnam-si Gyeonggi-do,
463-943 South Korea
Tel: +82-31-728-3939
Fax: +82-31-728-3940

Space and Defense Products

Americas
Phone: 858-731-9453
Europe, Asia Pacific
180 Rue Jean de Guirmand
13852 Aix-En-Provence Cedex 3, France
Phone: +33-4-4239-3361
Fax: +33-4-4239-7227

Peregrine Semiconductor, K.K., Japan
Teikoku Hotel Tower 10B-6
1-1-1 Uchisaiwai-cho, Chiyoda-ku
Tokyo 100-0011 Japan
Tel: +81-3-3502-5211
Fax: +81-3-3502-5213
Phone: +33-4-4239-3361
Fax: +33-4-4239-7227

© 2007 Peregrine Semiconductor Corporation. All rights reserved. The Peregrine Semiconductor name, logo and UTSi are registered trademarks and UltraCMOS and HaRP are trademarks of Peregrine Semiconductor Corp. All other trademarks are the property of their respective owners.
DS#73/0017-04

Visit us online at: www.psemi.com



Peregrine Semiconductor

Changing how you design RF. Forever.