

Foundry	Process	Type	Special	Voltage	Data						
					Count of LVS	Count of DRC	Count of PEX	Count of Calibrat	Count of DFM	Count of LFD	
Chartered	0.045	-	-	-						1	
	0.065	-	-	-						1	
		Logic	-	-	-	1	1	1			
	0.13	ANA	ANA/Mixed Signal/RF	ip	1.2V/3.3V/5.5V		1				
		ANA, LOGIC, SF, SRAM	Logic/Mixed Signal/RF		1.2V/3.3V/5.5V		1				
		ANA/LOGIC/LPLOGIC/RF	ip		1.2V/3.3V/5.5V				1		
		ANA/LOGIC/RF	0.4UM Top Metal		1.2V/3.3V/5.5V		1				
			Nominal		1.2V/3.3V/5.5V	1					
		ANA/RF	Dual Passivation		1.2V/3.3V/5.5V					1	
			Single Passivation		1.2V/3.3V/5.5V					1	
Logic	LDMOS		5V			1					
	ip		1.2V/3.3V/5.5V	1							
0.18	LOGIC/MIXED/SRAM	Salicide		1.2V/2.5V/3.3V/5V	1	1		1			
0.25	LOGIC/MIXED/SRAM	Salicide		1.8V/2.5V/3.3V	1	1		1			
0.35	Logic/MIXED	Salicide/Polycide		2.5V/3.3V	1	1		1			
IBM	0.032	AMS	SiGe	-	1	1					
		CMOS	sf	-	1	1					
		Low Power	lp	-	1	1					
		RF	rf	-	1	1					
	0.045	AMS	SiGe	-	1	1					
		CMOS	sf	-	1	1					
		Low Power	lp	-	1	1					
		RF	rf	-	1	1					
	0.065	-	-	-	-					1	
		AMS	SiGe	-	1	1					
		CMOS	sf	-	1	1					
		Low Power	lp	-	1	1					
	0.09	AMS	SiGe	-	1	1					
		CMOS	sf	-	1	1					
		Low Power	lp	-	1	1					
		RF	rf	-	1	1					
SMIC	0.065	-	-	-						1	
	0.09	Logic	Antenna	-				1			
			ESD	-				1			
			Generic	1.0V/1.8V/2.5V & 1.0V/1.8V/3.3V 1.0V/1.8V/2.5V/3.3V	1				1		
	0.13	Dram	-	-	-	1					
		Logic	-	-	1.2V/2.5V	1	1				
			-	-	1.2V/3.3V	1	1				
			Antenna	-	1.2V/2.5V & 3.3V				1		
			Dummy fill	-	-				1		
			ESD	-	2.5V/3.3V				1		
HS			-	-	1				1		
LL/Salicide			-	1.5V/3.3V	1						
LV	-	1.0V/3.3V	1								
Mixed	-	-	-	1.2V/2.5V				1			
	-	-	-	1.2V/3.3V	1	1					
Mixed/RF	rf	-	-	1							
				1.2V/2.5V				1			

SMIC	0.13	Mixed/RF	rf	1.2V/3.3V			1	
	0.15	Logic	-	-	1		1	
			Antenna/Salicide	1.2V/3.3V & 1.5V/3.3V		1		
			Dummy fill	-		1		
			ESD	-		1		
			LV	-	1			
			Salicide	-		1		
	0.18	EEPROM	-	1.8V/15.5V 1.8V/3.3V/5.0V/15.5V	1			1
			Antenna	-		1		
			HV	-	32V		1	
		HV	Antenna	-			1	
			LL	1.8V/5.5V/32V/40V	1			1
			Salicide	1.8V	1			
			Logic	-			1	
		Logic	Dummy fill	-			1	
			ESD	-			1	
			LL/Salicide	1.8V/3.3V 1.8V/5.0V	1 1			1
			Salicide	-	1	1		
			ULL/salicide	1.8V/3.3V	1			
			Mixed	-		1	2	1
		0.25	Logic	-	2.5V/3.3V	1		1
				Antenna/Salicide	-		1	
	ESD			-		1		
	Mixed		-	2.5V/3.3V 2.5V/5V	1 1	1 1		
	0.3	HV	-	3.3V/6.75V/13.5V	1		1	
	0.35	EEPROM	-	3.3V 5V	1 1	1 1		1
			HV	Non-shrink	-	1		
				13.5V	1			
		3.3V/13.5V				1		
		3.3V/18V				1		
		Shink		3.3V/13.5V			1	
		Shrink	13.5V	1				
			18V	1				
			3.3V/18V			1		
		Max Rom	-			1		
		Micro Display	-		1	1		
Shrink			-			1		
Mixed		-		1	1	1		
Polycide	-		1	1	1			
Silicide	-		1	1	1			
TSMC	0.04	Logic	GP	-		1		
			GP/LP	-			1	
	0.045	Logic	-	-			1	
			GP	-		1		
			GP/LP	-			1	
	0.065	Logic	GP/Salicide	-	1			
CU_LOWK/AL_RDL/BEOL			-			1	1	

TSMC	0.065	Logic	Dummy Metal	-	1				
			Dummy OD/PO	-	1				
			G-BASED TRIPLE GATE OXIDE DUAL CO	1V/1.2V/2.5V	1				
			GP	-	1				
			GP/SALICIDE/AL_RDL	1.0V/1.8V		1	1		
			LP/SALICIDE/AL_RDL	1.2V/2.5V		1	1		
		LOGIC/MIXED/RF	GP	-	1				
	Mixed/RF		LP/SALICIDE/CU_LOWK	1.2V/2.5V		1	1		
		0.08	Logic	WIRE BOND/FLIP CHIP/ INTERCONNECT	-	1			
		0.09	EDRAM	LP/SALICIDE	-	1			
			Logic	-	-	1			
						1.2V/2.5V	1		
					GP/SALICIDE/CU/LOW-K/TOP METAL FU	1.0V/1.8V/2.5V/3.3V	1		
					GP/SALICIDE/CU_LOW K/HD BEOL	1.0V/1.8V			1
						1.0V/3.3V		1	1
					HP/SALICIDE,CU_LOW K/HD BEOL	1.2V/2.5V		1	1
					LP/SALICIDE/CU_LOW K HD BEOL	1.2V/2.5V			1
					LP/SALICIDE/CU_LOW K/HD BEOL	1.2V/3.3V		1	1
					MOS OVERDRIVEN	2.5V/3.3V	1		
					POLYIMIDE	-	1		
					RDL/CU_LOW K/HD BEOL	-		1	1
					X-METAL	-	1		
				MIXED	GP/AL_RDL/SALICIDE/CU_LOW K/HD BE	1.0V/2.5V		1	1
						LP/SALICIDE/CU_LOWK/HD BEOL	1.2V/2.5V		2
				Mixed/RF	GP/SALICIDE/CU_LOWK	-	1		
						LP/SALICIDE/CU_LOWK	1.2V/2.5V	1	1
				0.13	Logic	AL_RDL/SALICIDE/FSG/IMD	-		1
			CU METAL FUSE			-	1		
			GP/LV/LP			-	1		
			HS/SALICIDE			1.0V/1.2V/2.5V	1		
			HS/SALICIDE/CU_FSG			1.0V/1.8V	1		
			HS/SALICIDE/FSG/IMD			1.0V/3.3V	1	1	1
			LP/FSG/IMD/SALICIDE			1.5V/3.3V	1	1	1
			LP/LOW-K/IMD/SALICIDE			1.5V/2.5V	1		
						1.5V/3.3V	1		
			RDL/SALICIDE/FSG/IMD			-			1
			Salicide			1.2V/2.5V	1		
			SALICIDE/FSG/IMD			1.2V/2.5V	1		1
						1.2V/3.3V	1	1	1
						1.5V/2.5V		1	1
			SALICIDE/FSG/IMD/LP			1.5V/2.5V	1		
			SALICIDE/FSG/IMD/LV			1.0V/2.5V	1	1	1
						1.0V/3.3V	1	1	1
			SALICIDE/HS			1.0V/1.2V/3.3V		1	
			SALICIDE/LOW-K/IMD			1.2V/2.5V			1
						1.2V/3.3V	1		
			SALICIDE/LOW-K/IMD/LV			1.0V/2.5V	1		
						1.0V/3.3V	1	1	1
			SALICIDE/LV			1.0V/1.2V/1.8V	1		
			WIRE BOND/FLIP CHIP/ INTERCONNECT			-	1		
		MIXED	SALICIDE/FSG/IMD			1.2V/2.5V	1		
							1.2V/3.3V	1	
		Mixed/RF	GP/SALICIDE/CU		1.2V/2.5V/3.3V		1		
				GP/SALICIDE/CU_FSG	1.2V/3.3V	1			
				LP/SALICIDE/CU_FSG	1/5V/3.3V	1			

TSMC	0.13	Mixed/RF	Salicide	1.2V/2.5V	1		1
	0.15	Logic	AL_METAL_FUSE	-		1	
			Dummy Metal	-		1	
			Dummy OD/PO	-		1	
			REDUNDANT VIA INSERTION	-		1	
			Salicide	1.2V/1.5V/3.3V		2	
				1.2V/3.3V	1		1
				1.5V/3.3V	2		1
		SALICIDE/LP&ULP	1.5V/2.5V/3.3V		1		
	0.18	Logic	AL_METAL_FUSE	-		1	
			Dummy Metal	-		1	
			Dummy OD/PO	-		1	
			GP/Salicide	1.8V/5V		1	
			LP/SALICIDE	1.8V/2.5V	1	1	
			REDUNDANT VIA INSERTION	-		1	
			Salicide	1.5V/2.5V	1	1	
				1.5V/3.3V	1	1	1
			1.8V/3.3V	2	2	1	
			1.8V/5V	1	1	1	
			WIRE BOND/FLIP CHIP/ INTERCONNECT	-		1	
		MIXED	EM/FLASH/GP/SALICIDE/AL_FSG	1.8V/3.3V	1		
			EM/FLASH/GP/SALICIDE/AL_FUSE	1.8V/3.3V		1	
			EM/FLASH/SALICIDE/AL_FSG/HV	1.8V/3.3V	1		
			EM/FLASH/SALICIDE/ULL/AL_FSG	1.8V/3.3V	1		
			EM/FLASH/ULL/LM/SALICIDE/AL_FSG	1.8V/3.3V	1		
			GP/Salicide	1.8V/3.3V	1		
	Salicide		1.8V/3.3V	2		1	
	Mixed/RF	Salicide	1.8V/3.3V		1	1	
	BICMOS	Salicide	1.8V/3.3V		1		
	BICMOS/MIXED	SIGE/AL_FSG	1.8V/3.3V	1			
	0.22	Logic	AL METAL FUSE	-		1	
			Salicide	2.5V/3.3V		1	1
	0.25	Logic	AL_METAL_FUSE	-		1	
			Dummy Metal	-		1	
			Dummy OD/PO	-		1	
			ENHANCED/IMAGE SENSOR/SPICE MOD	2.5V/3.3V	1		
			IMAGE SENSOR	2.5V/3.3V		1	
			IMAGE SENSOR/SALICIDE	2.5V/3.3V	1		
			Salicide	2.5V		1	
				2.5V/3.3V	1	1	3
				2.5V/5V	1	1	
				SALICIDE/ED	-	1	
			SPLIT GATE/EMBFLASH/SALICIDE	2.5V/5V	1		
		WIRE BOND/FLIP CHIP/ INTERCONNECT	-		1		
MIXED		EM/FLASH/GP/SALICIDE/AL_USG	2.5V/5V		1		
		Salicide	2.5V/3.3V	1	1		
			2.5V/5V	1	1		
	SPLIT GATE/EMBFLASH/SALICIDE/HV	2.5V/3.3V	1	1	1		
	SPLIT GATE/EMBFLASH/SALICIDE/HVMOD	2.5V/3.3V		1			
Mixed/RF	Salicide	2.5V/3.3V	1				
SRAM	POLYCID	3.3V		1			
0.35	Logic	POLYCID	3.3V	2	1	1	
			3.3V/5V	1		2	
		SILICIDE	3.3V	1	1	1	
			3.3V/5V	1	1	1	

TSMC	0.35	MIXED	POLYCID	3.3V		1			
				3.3V/5V	2	2	2		
			SPLIT_GATE/EMBFLASH/SILICIDE	3.3V/5V	1				
			SPLIT_GATE/EMBFLASH/SILICIDE/HV	3.3V/5V		1			
				SPLIT_GATE/EMBFLASH/SILICIDE/HV/HR	3.3V/5V		1		
		BICMOS/MIXED	SALICIDE/AL_USG	3.3V	1				
		BICMOS	Salicide	3.3V	1	2	1		
	0.45	Logic	POLYCID	3.3V/5V		1			
	0.5	Logic	POLYCID	3.3V	1				
				5V	1				
		MIXED	-	5V	1				
			POLYCID	3.3V/5V		1			
		SPLIT_GAT/MM/EMBFLASH	5V			1			
		SPLIT_GATE/MM/EMBFLASH	5V				1		
0.6	Logic	POLYCID	5V		1				
	MIXED	POLYCID	5V		2				
UMC	0.065	EDRAM	CuFuse	1.8V/2.5V/3.3V		1			
			Cu-Fuse	1.8V/2.5V/3.3V		1			
			DIE-SEAL	1.8V/2.5V/3.3V		1			
			ESD	1.8V/2.5V/3.3V		1			
			FLIP-CHIP	1.8V/2.5V/3.3V		1			
			LATCH_UP	1.8V/2.5V/3.3V		1			
			LL/LOW_K	1.8V/2.5V/3.3V	2				
			METAL-DUMMY	1.8V/2.5V/3.3V		1			
			SP/LOW_K	1.8V/2.5V/3.3V		1			
				Logic/MIXED	-	1.2V/1.8V/2.5V/3.3V	1		
						1.8V/2.5V	1		
						1.8V/2.5V/3.3V	1		
				BOAC		1.0V/2.5V		1	
						1.2V/1.8V/2.5V/3.3V		1	
				1.8V/2.5V		1			
				1.8V/2.5V/3.3V		1			
		CuFuse		1.0V/2.5V		1			
		Cu-Fuse		1.8V/2.5V		1			
				1.8V/2.5V/3.3V		1			
		Cu-Fuse		1.8V/2.5V/3.3V		1			
		DIE SEAL-RING		1.0V/2.5V		1			
				1.8V/2.5V/3.3V		1			
		DIE-SEAL		1.8V/2.5V		1			
				1.8V/2.5V/3.3V		1			
		ESD		1.2V/1.8V/2.5V/3.3V		1			
				1.8V/2.5V		1			
				1.8V/2.5V/3.3V		1			
		FLIP-CHIP		1.2V/1.8V/2.5V/3.3V		1			
				1.8V/2.5V		1			
				1.8V/2.5V/3.3V		2			
		LATCH_UP		1.2V/1.8V/2.5V/3.3V		1			
				1.8V/2.5V		1			
				1.8V/2.5V/3.3V		2			
		LL		1.2V/1.8V/2.5V/3.3V		1			
				1.8V/2.5V/3.3V		1			
		METAL-DUMMY		1.0V/2.5V		1			
				1.2V/1.8V/2.5V/3.3V		1			
				1.8V/2.5V		1			
				1.8V/2.5V/3.3V		2			

UMC	0.065	Logic/MIXED	POLY 1 DUMMY	1.2V/1.8V/2.5V/3.3V		1
				1.8V/2.5V		1
				1.8V/2.5V/3.3V		1
			SP	1.8V/2.5V		1
			TOP_METAL12.5K	1.8V/2.5V		6
				1.8V/2.5V/3.3V		3
			TOP_METAL3.6K	1.8V/2.5V		2
				1.8V/2.5V/3.3V		4
	TOP_METAL32.5K	1.8V/2.5V/3.3V		3		
	TOP_METAL8K	1.8V/2.5V		5		
		1.8V/2.5V/3.3V		3		
	0.08	Logic	BOAC	1.0V/1.2V/1.8V/2.5V		1
			FLIP-CHIP	1.0V/1.2V/1.8V/2.5V		1
			L90G	1.0V/1.2V/1.8V/2.5V		1
			METAL1.18K/1X_METAL_2.2K/CU_PAD	1.0V/1.2V/1.8V/2.5V		1
			METAL1_1.8K/1X- METAL_2.2K/CU_PAD	1.0V/1.2V/1.8V/2.5V		1
			METAL1_1.8K/1X_METAL_2.2K	1.0V/1.2V/1.8V/2.5V		2
			METAL1_1.8K/1X_metal_2.2K/CU_PAD	1.0V/1.2V/1.8V/2.5V		1
			METAL-DUMMY_SLOT	1.0V/1.2V/1.8V/2.5V		1
			POLY 1 DUMMY	1.0V/1.2V/1.8V/2.5V		2
	0.09	EDRAM	BOAC	1.0V/1.2V/1.8V/2.5V/3.3V		1
			Cu-Fuse	1.0V/1.2V/1.8V/2.5V/3.3V		1
			ESD	1.0V/1.2V/1.8V/2.5V/3.3V		2
			FLIP-CHIP	1.0V/1.2V/1.8V/2.5V/3.3V		1
			LOW_K	1.0V/1.2V/1.8V/2.5V/3.3V	1	
			POLY 1 DUMMY	1.0V/1.2V/1.8V/2.5V/3.3V		1
		Logic	AL-FUSE	1.0V/1.2V/1.8V/2.5V/3.3V		2
			BOAC	1.0V/1.2V/1.8V/2.5V/3.3V		2
			Cu-Fuse	1.0V/1.2V/1.8V/2.5V/3.3V		2
			ESD	1.0V/1.2V/1.8V/2.5V/3.3V		3
			FLIP-CHIP	1.0V/1.2V/1.8V/2.5V/3.3V		3
			L90G	1.0V/1.2V/1.8V/2.5V/3.3V	1	2
			L90G/ESD	1.0V/1.2V/1.8V/2.5V/3.3V		2
LOW_K/L90G			1.0V/1.2V/1.8V/2.5V/3.3V	1		
LOW_K/POLY1.2K			1.0V/1.2V/1.8V/2.5V/3.3V		3	
LOW_K/POLY1.5K			1.0V/1.2V/1.8V/2.5V/3.3V		1	
METAL-DUMMY_SLOT			1.0V/1.2V/1.8V/2.5V/3.3V		3	
POLY 1 DUMMY			1.0V/1.2V/1.8V/2.5V/3.3V		3	
TRI_TIER_PAD70/BOAC			1.0V/1.2V/1.8V/2.5V/3.3V		2	
Logic/MIXED			-	1.0V/1.2V/1.8V/2.5V/3.3V		2
		AL-FUSE	1.0V/1.2V/1.8V/2.5V/3.3V		3	
		BOAC	1.0V/1.2V/1.8V/2.5V/3.3V		4	
		Cu-Fuse	1.0V/1.2V/1.8V/2.5V/3.3V		4	
		ESD	1.0V/1.2V/1.8V/2.5V/3.3V		4	
		FLIP-CHIP	1.0V/1.2V/1.8V/2.5V/3.3V		3	
		FSG	1.0V/1.2V/1.8V/2.5V/3.3V	1	3	
		L90G	1.0V/1.2V/1.8V/2.5V/3.3V	1	1	
		LAST METAL/LOW_K	1.8V/2.5V/3.3V	1	1	
		LAST METAL/LOW_K/TOP METAL32.75K	1.8V/2.5V/3.3V		1	
		LOW_K	1.0V/1.2V/1.8V/2.5V/3.3V	1		
	LOW_K/POLY1.5K	1.0V/1.2V/1.8V/2.5V/3.3V		7		
	LOW_K/TOP_METAL32.5K/POLY1.5K	1.0V/1.2V/1.8V/2.5V/3.3V		1		
	METAL-DUMMY_SLOT	1.0V/1.2V/1.8V/2.5V/3.3V		4		
	MMC/LOW_K/POLY1.5K	1.0V/1.2V/1.8V/2.5V/3.3V		3		
	MMC/LOW_K/TOP_METAL32.5K/POLY1.5	1.0V/1.2V/1.8V/2.5V/3.3V		2		

UMC	0.09	Logic/MIXED	POLY 1 DUMMY	1.0V/1.2V/1.8V/2.5V/3.3V	4
				1.8V/2.5V/3.3V	1
			TRI_TIER_PAD70/BOAC	1.0V/1.2V/1.8V/2.5V/3.3V	3
	0.11	Logic/MIXED	AL-FUSE	2.5V	1
			BEOL	-	1
				1.2V/3.3V	1
			ESD	-	1
				1.2V/3.3V	1
				2.5V	1
			LATCH_UP	-	1
				1.2V/3.3V	1
				2.5V	1
			MMC/FSG/L110E	1.2V/3.3V	1
	0.13	EFLASH/EE2PROM	AL-FUSE	1.2V/3.3V	1
			BEOL	1.2V/3.3V	1
			Cu-Fuse	1.2V/3.3V	1
			ESD	1.2V/3.3V	1
			FLIP-CHIP	1.2V/3.3V	1
			LATCH_UP	1.2V/3.3V	1
			METAL-DUMMY_SLOT	1.2V/3.3V	1
			OPC_BLOCK/HS_VT_SRAM_MARK	1.2V/3.3V	1
			POLY 1 DUMMY	1.2V/3.3V	1
		EHV	BEOL	1.2V/5.5V	1
			LATCH_UP	1.2V/5.5V	1
		Logic	AL-FUSE	1.0V/1.2V/1.8V	1
				1.0V/1.2V/3.3V	1
				1.2V/3.3V	1
			BEOL	1.0V/1.2V/1.8V	1
				1.0V/1.2V/3.3V	1
				1.2V/3.3V	1
			Cu-Fuse	1.0V/1.2V/1.8V	1
				1.0V/1.2V/3.3V	1
			1.2V/3.3V	1	
	ESD		1.0V/1.2V/1.8V	1	
			1.0V/1.2V/3.3V	1	
			1.2V/3.3V	1	
	FLIP-CHIP		1.0V/1.2V/1.8V	1	
			1.0V/1.2V/3.3V	1	
			1.2V/3.3V	1	
	LATCH_UP		1.0V/1.2V/1.8V	1	
	1.0V/1.2V/3.3V		1		
	1.2V/3.3V		1		
LP_RHVT	1.0V/1.2V/1.8V		1		
	1.0V/1.2V/3.3V	1			
LP_RHVT/FSG	1.0V/1.2V/1.8V	1			
	1.0V/1.2V/3.3V	1			
METAL-DUMMY_SLOT	1.0V/1.2V/1.8V	1			
	1.0V/1.2V/3.3V	1			
	1.2V/3.3V	1			
MMC/FSG/L130E	1.2V/3.3V	1			
MMC/L130E	1.2V/3.3V	1			
POLY 1 DUMMY	1.0V/1.2V/1.8V	1			

UMC	0.13	Logic	POLY 1 DUMMY	1.0V/1.2V/3.3V	1
				1.2V/3.3V	1
		Logic/MIXED	AL-FUSE	1.2V/2.5V/3.3V	1
			BEOL	1.2V/2.5V/3.3V	1
				3.3V	1
			Cu-Fuse	1.2V/2.5V/3.3V	1
			ESD	1.2V/2.5V/3.3V	1
			FLIP-CHIP	1.2V/2.5V/3.3V	1
			FSG/TOP_METAL20K/L130E	1.2V/2.5V/3.3V	1
			FSG/TOP_METAL8K/L130E	1.2V/2.5V/3.3V	1
			LATCH_UP	1.2V/2.5V/3.3V	1
				3.3V	1
			METAL-DUMMY_SLOT	1.2V/2.5V/3.3V	1
			MMC/FSG/L130E	1.2V/2.5V/3.3V	1
			MMC/FSG/TOP_METAL20K/L130E	1.2V/2.5V/3.3V	3
			MMC/FSG/TOP_METAL8K-L130E	1.2V/2.5V/3.3V	1
			MMC/L130E	1.2V/2.5V/3.3V	1
		POLY 1 DUMMY	1.2V/2.5V/3.3V	1	
		SRAM	AL-FUSE	1.2V/3.3V	1
			BEOL	1.2V/3.3V	1
			Cu-Fuse	1.2V/3.3V	1
			ESD	1.2V/3.3V	1
			FLIP-CHIP	1.2V/3.3V	1
LATCH_UP	1.2V/3.3V		1		
METAL-DUMMY_SLOT	1.2V/3.3V		1		
OPC_BLOCK/HS_VT_SRAM_MARK	1.2V/3.3V		1		
POLY 1 DUMMY	1.2V/3.3V		1		