

Semi-Conductor Laboratory
Silicon Number Nomenclature

Annexure - 1

Silicon number category codes

This annexure will indicate codes for various fields to be used in the silicon number. Codes which are not indicated are reserved for future use and depending upon requirement these will be updated in this annexure.

Fabrication Site (Field – 1)			
Code	Description	Code	Description
S	Fabrication at SCL	E	Any External Fabrication facility other than SCL

Process Category (Field – 2)					
Code	Description	Code	Description	Code	Description
A	*	J	*	S	*
B	Bi-CMOS	K	*	T	*
C	CMOS	L	*	U	*
D	CCD	M	MEMS	V	*
E	Diode Detector Process	N	*	W	CCD-CMOS
F	*	O	*	X	CMOS-MEMS
G	Gallium Arsenide(GaAs)	P	*	Y	*
H	Gallium Nitride(GaN)	Q	*	Z	*
I	*	R	Radhard by process e.g., SOI		

Sub Category (Field – 3 & Field - 4)			
Code	Description	Code	Description
00 - 09	*	42-49	*
10	ASIC Analog	50	Physical Sensor
11	ASIC Digital	51	Inertial Sensor
12	ASIC Mixed Signal	52	IR Sensor
13	ASIC Memory	53	Micro-Fluidic
14	IP Analog	54	Bio-MEMS
15	IP Digital	55	Micro Propulsion
16	IP Mixed Signal	56	Micro Mechanism
17	IP Memory	57	Chemical Sensors
18	IO Cell	58-59	*
19	Standard Cell	61	Smart Sensor
20	#	62-69	*
21	#	70	High Voltage
22-29	*	71	Power Amplifier
30	Visible –Linear	72	HEMT Devices
31	Visible – Area	73	Non Volatile Memory
32	X-Ray	74-79	*
33	TDI	80-89	*
34	High energy radiation detector	90	Test Chip
35	Solar Cells	91	Test Structures - Electrical
36-39	*	92	SLM/PCM
40	RF	93	Test Structures - Physical
41	RF (Passive only)	94-99	*

Design House (Field – 9)			
Code	Description	Code	Description
S	Design at SCL (Partial or full)	E	Any External design house other than SCL

Note:

1. Only specified Codes can be used for each fields.
2. Fields with * are left blank intentionally and are reserved for future use.
3. Sub-Category code 20 & 21 as marked with # to be used for ASIC Analog (Code 10) & ASIC Digital (Code 11) respectively if the corresponding serial number reaches count of 99.