

Arm Flexible Access DesignStart

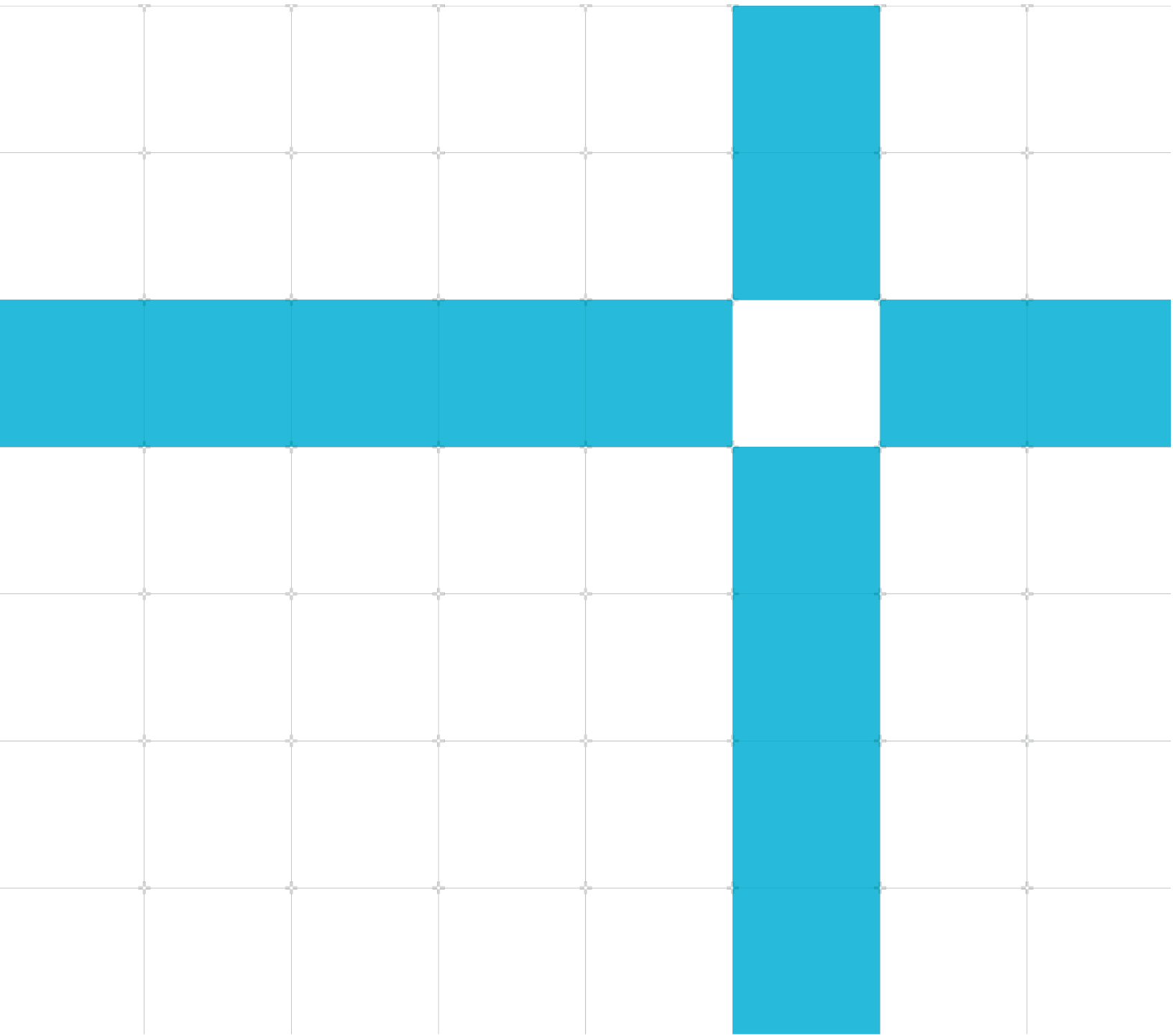
Version 1.0

Restricted Product List

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Arm Flexible Access DesignStart Restricted Products List

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1. Overview

This document provides a list of restricted products that are part of the Arm Flexible Access DesignStart program and that you can request access to under that program.

If you want to request access to a product in this list, contact us at Designstart@arm.com.

2. Restricted Product List

Foundry	Technology	Process	Product Category	SAP	Material Description
DB HiTek	180 nm	GL180SA	LOGIC	DE00LB500	SC9 High Density Library RVt
DB HiTek	130 nm	GL130S	MEMORY	DE02CE000	Hi Dens 2P RFile Compiler
DB HiTek	130 nm	GL130S	LOGIC	DE02TF000	ARM Routing Technology Kit
SK hynix	40nm	HL40LSTP	MEMORY	HS02CA000	High Den SP SRAM RVt
SK hynix	40nm	HL40LSTP	MEMORY	HS02CA001	High Speed SP SRAM RVt-MVt
SK hynix	40nm	HL40LSTP	MEMORY	HS02CB000	High Den DP SRAM RVt
SK hynix	40nm	HL40LSTP	MEMORY	HS02CD000	High Den 1 Port RF RVt
SK hynix	40nm	HL40LSTP	MEMORY	HS02CE000	High Den 2 Port RF RVt
SK hynix	40nm	HL40LSTP	MEMORY	HS02CF000	High Den Via Prog ROM RVt
SK hynix	40nm	HL40LSTP	INTERFACE	HS02IG000	GPIO 1.8V-3.3V Multi-Row
SK hynix	40nm	HL40LSTP	LOGIC	HS02LB000	SC9MC High Den C36 Library RVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LB001	SC9MC High Den C45 Library RVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LB002	SC9MC High Den C45 Library HVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LB003	SC9MC High Den C36 Library HVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LB004	SC9MC High Den C36 Library LVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LB005	SC9MC High Den C45 Library LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
SK hynix	40nm	HL40LSTP	LOGIC	HS02LE000	SC9MC High Den C36 ECO Kit RVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LL000	SC9MC Modeling Pkg
SK hynix	40nm	HL40LSTP	LOGIC	HS02LP000	SC9MC High Den C36-C45 PMK RVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LP001	SC9MC High Den C45 PMK RVt-HVt
SK hynix	40nm	HL40LSTP	LOGIC	HS02LQ000	SC9MC Quality Reports
SK hynix	40nm	HL40LSTP	LOGIC	HS02LS000	SC9MC HDLPK HVt C45
SK hynix	40nm	HL40LSTP	LOGIC	HS02LS001	SC9MC HDLPK RVt C36
SK hynix	40nm	HL40LSTP	LOGIC	HS02LS002	SC9MC HDLPK HVt C36
SK hynix	40nm	HL40LSTP	LOGIC	HS02LS003	SC9MC HDLPK LVt C45
SK hynix	40nm	HL40LSTP	LOGIC	HS02LS004	SC9MC HDLPK RVt C45
SK hynix	40nm	HL40LSTP	LOGIC	HS02LS005	SC9MC HDLPK LVt C36
SK hynix	40nm	HL40LSTP	LOGIC	HS02TF000	ARM Routing Technology Kit
SK hynix	40nm	HC40	MEMORY	HS04CA000	High Density SP SRAM RVt
SK hynix	40nm	HC40	MEMORY	HS04CA001	High Speed SP SRAM RVt
SK hynix	40nm	HC40	MEMORY	HS04CD000	High Density 1 Port RF RVt
SK hynix	40nm	HC40	LOGIC	HS04LB000	SC9MC High Den C36 Library RVt
SK hynix	40nm	HC40	LOGIC	HS04LB001	SC9MC High Den C36 Library LVt
SK hynix	40nm	HC40	LOGIC	HS04LB002	SC9MC High Den C45 Library RVt
SK hynix	40nm	HC40	LOGIC	HS04LD000	Platform User Guide

Foundry	Technology	Process	Product Category	SAP	Material Description
SK hynix	40nm	HC40	LOGIC	HS04LE000	SC9MC High Den ECO C36 RVt
SK hynix	40nm	HC40	LOGIC	HS04LP000	SC9MC High Den C36-C45 PMK RVt
SK hynix	40nm	HC40	LOGIC	HS04LQ000	SC9MC Quality Reports
SK hynix	40nm	HC40	MEMORY	HS04MX000	MemExplorer
SK hynix	40nm	HC40	LOGIC	HS04TF000	ARM Routing Technology Kit
Foundry Independent	n/a	util	MISCELLANEOUS	NS99AM000	Memory Compiler Corner Generator
Foundry Independent	n/a	util	MISCELLANEOUS	NS99AP000	ProPane Utility
Foundry Independent	n/a	util	MISCELLANEOUS	NS99AR000	ROM Code Checker
Samsung	65nm	CMOS10SF	LOGIC	SE01LB000	SC9 RVt
Samsung	65nm	CMOS10SF	LOGIC	SE01LB001	SC9 HVt
Samsung	65nm	CMOS10SF	LOGIC	SE01LB003	SC12 High Perf Library RVt
Samsung	65nm	CMOS10SF	LOGIC	SE01LB004	SC12 High Perf Library HVt
Samsung	65nm	CMOS10LP	MEMORY	SE10CA506	HD G2 B676 64RPB SP SRAM HVt-RVt-HVt
Samsung	45nm	CMOS11LP	MEMORY	SE12CA502	High Den SP SRAM HVt-HVt-RVt
Samsung	45nm	CMOS11LP	MEMORY	SE12CB001	High Den DP SRAM RVt
Samsung	45nm	CMOS11LP	MEMORY	SE12CD001	High Den 1 Port RF RVt
Samsung	45nm	CMOS11LP	LOGIC	SE12LS000	SC9 High Density HDK RVt
Samsung	45nm	CMOS11LP	LOGIC	SE12LS001	SC9 High Density HDK HVt
Samsung	45nm	CMOS11LP	LOGIC	SE12LS002	SC9 High Density HDK LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	45nm	CMOS11LP	LOGIC	SE12LS003	SC12 High Perf HDK RVt
Samsung	45nm	CMOS11LP	LOGIC	SE12LS004	SC12 High Perf HDK HVt
Samsung	45nm	CMOS11LP	LOGIC	SE12LS005	SC12 High Perf HDK LVt
Samsung	45nm	CMOS11LP	LOGIC	SE12TF000	ARM Routing Technology Kit
Samsung	32nm	CMOS32LP	LOGIC	SE18LH500	SC12MC High Perf C30 HPK RVt
Samsung	32nm	CMOS32LP	MEMORY	SE18MX000	Memory Explorer
Samsung	20nm	LN20LPe	MEMORY	SE23CA001	High Den LV SP SRAM RVt-MVt
Samsung	20nm	LN20LPe	MEMORY	SE23CA002	High Speed LV SP SRAM RVt-MVt
Samsung	20nm	LN20LPe	MEMORY	SE23CB000	High Density LV DP SRAM RVt-MVt
Samsung	20nm	LN20LPe	MEMORY	SE23CD000	High Den LV 1 Port RF RVt-MVt
Samsung	20nm	LN20LPe	MEMORY	SE23CD001	High Speed LV 1 Port RF RVt-MVt
Samsung	20nm	LN20LPe	MEMORY	SE23CE000	High Den LV 2 Port RF RVt-MVt
Samsung	20nm	LN20LPe	MEMORY	SE23CE001	High Speed LV 2 Port RF LVt-MVt
Samsung	20nm	LN20LPe	MEMORY	SE23CF000	High Den Via Prog ROM RVt
Samsung	20nm	LN20LPe	INTERFACE	SE23IG001	GPIO 1.2V-1.8V Multi-Row
Samsung	20nm	LN20LPe	LOGIC	SE23LB002	SC9MC High Den C22 Library SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB003	SC9MC High Den C20 Library SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB004	SC9MC High Den C22 Library RVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	20nm	LN20LPe	LOGIC	SE23LB005	SC9MC High Den C22 Library LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB006	SC9MC High Den C20 Library LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB007	SC12MC Hi Perf C22 Library SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB008	SC12MC Hi Perf C20 Library SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB009	SC12MC Hi Perf C22 Library RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB010	SC12MC Hi Perf C22 Library LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB011	SC12MC Hi Perf C20 Library LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB012	SC9MC High Den C20 Library RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LB013	SC12MC Hi Perf C20 Library RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LC000	Logic Platform Enablement Kit
Samsung	20nm	LN20LPe	LOGIC	SE23LD000	Platform User Guide
Samsung	20nm	LN20LPe	LOGIC	SE23LE000	SC9MC High Den C20 ECO Kit RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LE001	SC12MC Hi Perf C20 ECO Kit RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LL000	SC9MC Modeling Pkg
Samsung	20nm	LN20LPe	LOGIC	SE23LL001	SC12MC Modeling Pkg
Samsung	20nm	LN20LPe	LOGIC	SE23LP000	SC9MC High Den C22 PMK SLVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	20nm	LN20LPe	LOGIC	SE23LP001	SC9MC High Den C22 PMK RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP002	SC9MC High Den C22 PMK LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP003	SC9MC High Den C20 PMK LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP004	SC12MC Hi Perf C22 PMK SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP005	SC12MC Hi Perf C22 PMK RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP006	SC12MC Hi Perf C22 PMK LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP007	SC12MC Hi Perf C20 PMK LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP008	SC9MC High Den C20 PMK RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP009	SC12MC Hi Perf C20 PMK RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP010	SC12MC High Perf C20 PMK SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LP011	SC9MC High Den C20 PMK SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR000	SC9MC High Den C20-C22 RKLO SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR001	SC9MC High Den C20-C22 RKLO RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR002	SC9MC High Den C20-C22 RKLO LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR003	SC12MC Hi Perf C20-C22 RKLO SLVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	20nm	LN20LPe	LOGIC	SE23LR004	SC12MC Hi Perf C20-C22 RKLO RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR005	SC12MC Hi Perf C20-C22 RKLO LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR006	SC9MC HD C20-C22 RKLOF SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR007	SC9MC HD C20-C22 RKLOF RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR008	SC9MC HD C20-C22 RKLOF LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR009	SC12MC HP C20-C22 RKLOF SLVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR010	SC12MC HP C20-C22 RKLOF RVt
Samsung	20nm	LN20LPe	LOGIC	SE23LR011	SC12MC HP C20-C22 RKLOF LVt
Samsung	20nm	LN20LPe	LOGIC	SE23LS000	ARM Primitive Library
Samsung	20nm	LN20LPe	LOGIC	SE23TF000	ARM Routing Technology Kit
Samsung	28nm	LN28LPP	LOGIC	SE25LH000	SC9MC High Den C30 HPK RVt
Samsung	28nm	LN28LPP	LOGIC	SE25LH001	SC9MC High Den C30 HPK LVt
Samsung	28nm	LN28LPP	LOGIC	SE25LH002	SC9MC High Den C30 HPK SLVt
Samsung	28nm	LN28LPP	LOGIC	SE25LH003	SC9MC High Den C34 HPK RVt
Samsung	28nm	LN28LPP	LOGIC	SE25LH004	SC9MC High Den C34 HPK LVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS000	SC9MC High Den C30 HDLPK RVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	28nm	LN28LPP	LOGIC	SE25LS001	SC9MC High Den C30 HDLPK LVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS002	SC9MC High Den C30 HDLPK SLVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS003	SC9MC High Den C34 HDLPK RVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS004	SC9MC High Den C34 HDLPK LVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS005	SC9MC HD C30 HPK Supplement RVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS006	SC9MC HD C30 HPK Supplement LVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS007	SC9MC HD C30 HPK Supplement SLVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS008	SC9MC HD C34 HPK Supplement RVt
Samsung	28nm	LN28LPP	LOGIC	SE25LS009	SC9MC HD C34 HPK Supplement LVt
Samsung	28nm	LN28LPP	LOGIC	SE25TF000	ARM Routing Technology Kit
Samsung	14nm	LN14LPe	MEMORY	SE28CA000	High Den SP SRAM RVt-MVt
Samsung	14nm	LN14LPe	MEMORY	SE28CA001	High Speed SP SRAM RVt-MVt
Samsung	14nm	LN14LPe	MEMORY	SE28CB000	High Den DP SRAM RVt-MVt
Samsung	14nm	LN14LPe	MEMORY	SE28CD000	High Den 1 Port RF RVt-MVt
Samsung	14nm	LN14LPe	MEMORY	SE28CD001	High Speed 1 Port RF RVt-MVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	14nm	LN14LPe	MEMORY	SE28CE000	High Speed 2 Port RF RVt-MVt
Samsung	14nm	LN14LPe	MEMORY	SE28CF000	High Den Via Prog ROM RVt-MVt
Samsung	14nm	LN14LPe	INTERFACE	SE28IG000	GPIO 1.2V 1.8V Multi-Row 1.8V FS
Samsung	14nm	LN14LPe	LOGIC	SE28LB002	SC9MC High Den C16 Library SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB003	SC9MC High Den C14 Library RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB004	SC9MC High Den C14 Library LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB005	SC9MC High Den C14 Library SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB006	SC10MC High Perf C16 Lib RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB007	SC10MC High Perf C16 Lib LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB008	SC10MC High Perf C16 Lib SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB009	SC10MC High Perf C14 Lib RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB010	SC10MC High Perf C14 Lib LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB011	SC10MC High Perf C14 Lib SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB012	SC9MC High Den C16 Library RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LB013	SC9MC High Den C16 Library LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	14nm	LN14LPe	LOGIC	SE28LB014	SC9MC High Den C16 Library HVt
Samsung	14nm	LN14LPe	LOGIC	SE28LC000	Logic Platform Architect Pkg
Samsung	14nm	LN14LPe	LOGIC	SE28LD000	Platform User Guide
Samsung	14nm	LN14LPe	LOGIC	SE28LE000	SC9MC High Den C14 ECO Kit RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LE001	SC10MC High Perf C14 ECO Kit RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LE002	SC9MC High Den C14 ECO Kit LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LE003	SC9MC High Den C16 ECO Kit LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LE004	SC9MC High Den C16 ECO Kit RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LE005	SC9MC High Den C14 ECO Kit SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LH000	SC9MC High Den C14 HPK SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LH001	SC9MC High Den C14 HPK LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LH002	SC9MC High Den C16 HPK LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LH003	SC9MC High Den C14 HPK RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LH004	SC9MC High Den C16 HPK RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LL000	SC9MC Modeling Pkg
Samsung	14nm	LN14LPe	LOGIC	SE28LL001	SC10MC Modeling Pkg

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	14nm	LN14LPe	LOGIC	SE28LP000	SC9MC High Den C16 PMK RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP001	SC9MC High Den C16 PMK LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP002	SC9MC High Den C16 PMK SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP003	SC9MC High Den C14 PMK RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP004	SC9MC High Den C14 PMK LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP005	SC9MC High Den C14 PMK SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP006	SC10MC High Perf C16 PMK RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP007	SC10MC High Perf C16 PMK LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP008	SC10MC High Perf C16 PMK SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP009	SC10MC High Perf C14 PMK RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP010	SC10MC High Perf C14 PMK LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP011	SC10MC High Perf C14 PMK SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LP012	SC9MC High Den C16 PMK HVt
Samsung	14nm	LN14LPe	LOGIC	SE28LR000	SC9MC HD C14-C16 RKLO RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LR001	SC9MC HD C14-C16 RKLO LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	14nm	LN14LPe	LOGIC	SE28LR002	SC9MC HD C14-C16 RKLO SLVt-LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LR003	SC10MC HP C14-C16 RKLO RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LR004	SC10MC HP C14-C16 RKLO LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LR005	SC10MC HP C14-C16 RKLO SLVt-LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS000	ARM Primitive Library
Samsung	14nm	LN14LPe	LOGIC	SE28LS001	SC9MC HD C14 HPK Supplement SLVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS002	SC9MC HD C14 HPK Supplement LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS003	SC9MC HD C16 HPK Supplement LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS004	SC9MC HD C14 HPK Supplement RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS005	SC9MC HD C16 HPK Supplement RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS006	SC9MC HD C16 Boundary Lib HVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS007	SC9MC HD C14 Boundary Lib RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS008	SC9MC HD C16 Boundary Lib RVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS009	SC9MC HD C14 Boundary Lib LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	14nm	LN14LPe	LOGIC	SE28LS010	SC9MC HD C16 Boundary Lib LVt
Samsung	14nm	LN14LPe	LOGIC	SE28LS011	SC9MC HD C14 Boundary Lib SLVt
Samsung	14nm	LN14LPe	MEMORY	SE28MA000	High Den SP SRAM RVt
Samsung	14nm	LN14LPe	MEMORY	SE28MX000	Memory Explorer
Samsung	14nm	LN14LPe	LOGIC	SE28TF000	ARM Routing Technology Kit
Samsung	10nm	LN10LPe	LOGIC	SE30LB000	SC10MC c20 Library RVt
Samsung	10nm	LN10LPe	LOGIC	SE30LB001	SC10MC c22 Library RVt
Samsung	10nm	LN10LPe	LOGIC	SE30LB002	SC10MC c20 Library LVt
Samsung	10nm	LN10LPe	LOGIC	SE30LB003	SC10MC c22 Library LVt
Samsung	10nm	LN10LPe	LOGIC	SE30LB004	SC10MC c20 Library SLVt
Samsung	10nm	LN10LPe	LOGIC	SE30LB005	SC10MC c22 Library SLVt
Samsung	10nm	LN10LPe	LOGIC	SE30LB006	SC10MC c20 Library HVt
Samsung	10nm	LN10LPe	LOGIC	SE30LB007	SC10MC c22 Library HVt
Samsung	10nm	LN10LPe	LOGIC	SE30LC000	Logic Platform Architect Pkg
Samsung	10nm	LN10LPe	LOGIC	SE30LD000	Platform User Guide
Samsung	10nm	LN10LPe	LOGIC	SE30LE000	SC10MC c20 ECO LVt
Samsung	10nm	LN10LPe	LOGIC	SE30LK000	SC10MC Schematic Pkg
Samsung	10nm	LN10LPe	LOGIC	SE30LL000	SC10MC Logic Corner Generator
Samsung	10nm	LN10LPe	LOGIC	SE30LP000	SC10MC c20 PMK RVt
Samsung	10nm	LN10LPe	LOGIC	SE30LP001	SC10MC c22 PMK RVt
Samsung	10nm	LN10LPe	LOGIC	SE30LP002	SC10MC c20 PMK LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	10nm	LN10LPe	LOGIC	SE30LP003	SC10MC c22 PMK LVt
Samsung	10nm	LN10LPe	LOGIC	SE30LP004	SC10MC c20 PMK SLVt
Samsung	10nm	LN10LPe	LOGIC	SE30LP005	SC10MC c22 PMK SLVt
Samsung	10nm	LN10LPe	LOGIC	SE30LP006	SC10MC c20 PMK HVt
Samsung	10nm	LN10LPe	LOGIC	SE30LP007	SC10MC c22 PMK HVt
Samsung	10nm	LN10LPe	LOGIC	SE30TF000	ARM Routing Technology Kit
Samsung	14nm	14LPP	MEMORY	SE35CA000	High Speed SP SRAM RVt-MVt
Samsung	14nm	14LPP	MEMORY	SE35CA001	High Den SP SRAM RVt-MVt
Samsung	14nm	14LPP	MEMORY	SE35CD000	High Speed 1 Port RF RVt-MVt
Samsung	14nm	14LPP	MEMORY	SE35CE000	High Speed 2 Port RF RVt MVt
Samsung	14nm	14LPP	MEMORY	SE35CF000	High Den Via Prg ROM LVt-MVt
Samsung	14nm	14LPP	LOGIC	SE35LB006	SC10MCP c16 Library HVt
Samsung	14nm	14LPP	LOGIC	SE35LB013	SC9MCP c16 Library HVt
Samsung	14nm	14LPP	LOGIC	SE35LC000	Logic Platform Architect Pkg
Samsung	14nm	14LPP	LOGIC	SE35LL000	SC10MCP Modeling Pkg
Samsung	14nm	14LPP	LOGIC	SE35LL001	SC9MCP Modeling Pkg
Samsung	14nm	14LPP	LOGIC	SE35LL002	SC10MCP HPK Modeling Pkg
Samsung	14nm	14LPP	LOGIC	SE35LL003	SC9MCP HPK Modeling Pkg
Samsung	14nm	14LPP	LOGIC	SE35LP006	SC10MCP c16 PMK HVt
Samsung	14nm	14LPP	LOGIC	SE35LP013	SC9MCP c16 PMK HVt
Samsung	14nm	14LPP	LOGIC	SE35LQ000	SC10MCP Quality Reports
Samsung	14nm	14LPP	LOGIC	SE35LQ001	SC9MCP Quality Reports

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	14nm	14LPP	LOGIC	SE35LS006	SC9MCP c16 Base YO HVt
Samsung	14nm	14LPP	LOGIC	SE35LS013	SC9MCP c16 PMK YO HVt
Samsung	14nm	14LPP	MEMORY	SE35MA000	HS SP SRAM Instances
Samsung	14nm	14LPP	MEMORY	SE35MX001	Memory Explorer
Samsung	14nm	14LPP	PHYSICAL IP	SE35TC000	ArtNuvo Silicon Validation TC1
Samsung	14nm	11LPP	LOGIC	SE38LC000	Logic Platform Architect Pkg
Samsung	14nm	11LPP	LOGIC	SE38LL000	SC9MCP Logic Corner Generator
Samsung	14nm	11LPP	LOGIC	SE38LL001	SC6MCP Logic Corner Generator
Samsung	14nm	11LPP	LOGIC	SE38LS000	Cuspg High R SC9 C14 Rvt
Samsung	14nm	11LPP	LOGIC	SE38LS001	Cuspg High R SC9 C16 Rvt
Samsung	14nm	11LPP	LOGIC	SE38LS002	Cuspg High R SC9 C14 Lvt
Samsung	14nm	11LPP	LOGIC	SE38LS003	Cuspg High R SC9 C16 Lvt
Samsung	14nm	11LPP	LOGIC	SE38LS004	Cuspg High R SC9 C14 SLvt
Samsung	14nm	11LPP	LOGIC	SE38LS005	Cuspg High R SC9 C16 SLvt
Samsung	14nm	11LPP	LOGIC	SE38LS006	Cuspg High R SC6 C14 SLvt
Samsung	14nm	11LPP	LOGIC	SE38LS007	Cuspg High R SC6 C16 SLvt
Samsung	14nm	11LPP	LOGIC	SE38LS008	Cuspg High R SC6 C14 Lvt
Samsung	14nm	11LPP	LOGIC	SE38LS009	Cuspg High R SC6 C16 Lvt
Samsung	14nm	11LPP	LOGIC	SE38LS010	Cuspg High R SC6 C14 Rvt
Samsung	14nm	11LPP	LOGIC	SE38LS011	Cuspg High R SC6 C16 Rvt
Samsung	7nm	LN07LPP	LOGIC	SE39LC000	Logic Platform Architect Pkg

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	7nm	LN07LPP	LOGIC	SE39LL001	SC7MC Logic Corner Generator
Samsung	7nm	LN07LPP	PHYSICAL IP	SE39TC000	Process Qual Vehicle PQV1
Samsung	5nm	LN05LPE	MEMORY	SE40CA002	UHD SP SRAM MVt
Samsung	5nm	LN05LPE	MEMORY	SE40CD002	UHD SP RF MVt
Samsung	5nm	LN05LPE	INTERFACE	SE40IG002	GPIO 1.8V
Samsung	5nm	LN05LPE	LOGIC	SE40LB012	SC6MC C8 Library RVt
Samsung	5nm	LN05LPE	LOGIC	SE40LB013	SC6MC C10 Library LVt
Samsung	5nm	LN05LPE	LOGIC	SE40LB014	SC6MC C8 Library LVt
Samsung	5nm	LN05LPE	LOGIC	SE40LB015	SC6MC C10 Library SLVt
Samsung	5nm	LN05LPE	LOGIC	SE40LB016	SC6MC C8 Library SLVt
Samsung	5nm	LN05LPE	LOGIC	SE40LB017	SC6MC C10 Library RVt
Samsung	5nm	LN05LPE	LOGIC	SE40LC000	Logic Platform Architect Pkg
Samsung	5nm	LN05LPE	LOGIC	SE40LL000	SC6MC Logic Corner Generator
Samsung	5nm	LN05LPE	LOGIC	SE40LL001	SC7MC Logic Corner Generator
Samsung	5nm	LN05LPE	LOGIC	SE40LN000	SC6MC EMG Tech Pkg
Samsung	5nm	LN05LPE	LOGIC	SE40LN001	SC7MC EMG Tech Pkg
Samsung	5nm	LN05LPE	LOGIC	SE40TF001	ARM Routing Technology Kit
Samsung	18nm	LN18FDS	MEMORY	SE43CA000	SP SRAM HD MVt
Samsung	18nm	LN18FDS	MEMORY	SE43CA001	SP SRAM UHD MVt
Samsung	18nm	LN18FDS	MEMORY	SE43CA002	SP SRAM ULL MVt
Samsung	18nm	LN18FDS	MEMORY	SE43CB000	SP RF ULL MVt
Samsung	18nm	LN18FDS	MEMORY	SE43CD000	SP RF HD MVt
Samsung	18nm	LN18FDS	MEMORY	SE43CE000	TP HD MVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	18nm	LN18FDS	MEMORY	SE43CF000	Via ROM HD MVt
Samsung	18nm	LN18FDS	INTERFACE	SE43IG000	GPIO 1.8V
Samsung	18nm	LN18FDS	INTERFACE	SE43IG001	GPIO 3.3V
Samsung	18nm	LN18FDS	LOGIC	SE43LB001	SC9MCP c18 Library LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB002	SC9MCP c18 Library SLVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB003	SC9MCP C18 Library HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB004	SC9MCP C18 Library ULVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB005	SC9MCP C22 Library ULVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB006	SC9MCP C22 Library HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB007	SC9MCP C26 Library HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB008	SC9MCP C22 Library SLVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB009	SC9MCP C26 Library SLVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB010	SC9MCP C22 Library LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB011	SC9MCP C26 Library LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB012	SC9MCP C22 Library RVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB013	SC9MCP C26 Library RVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB014	SC9MCP C26 Library ULVt
Samsung	18nm	LN18FDS	LOGIC	SE43LB015	SC9MCP c18 Library RVt
Samsung	18nm	LN18FDS	LOGIC	SE43LC000	Logic Platform Architect Pkg
Samsung	18nm	LN18FDS	LOGIC	SE43LE000	SC9MCP C18 Library ECO RVt
Samsung	18nm	LN18FDS	LOGIC	SE43LE001	SC9MCP C18 Library ECO LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LE002	SC9MCP C22 Library ECO RVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	18nm	LN18FDS	LOGIC	SE43LE006	SC9MCP C22 Library ECO LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LE007	SC9MCP C22 Library ECO HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LE008	SC9MCP C18 Library ECO HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LL000	SC9MCP Logic Corner Generator
Samsung	18nm	LN18FDS	LOGIC	SE43LP000	SC9MCP C18 Library PMK ULVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP001	SC9MCP C22 Library PMK ULVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP002	SC9MCP C26 Library PMK ULVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP003	SC9MCP C18 Library PMK HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP004	SC9MCP C22 Library PMK HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP005	SC9MCP C26 Library PMK HVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP006	SC9MCP C18 Library PMK SLVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP007	SC9MCP C22 Library PMK SLVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP008	SC9MCP C26 Library PMK SLVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP009	SC9MCP C18 Library PMK LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP010	SC9MCP C22 Library PMK LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP011	SC9MCP C26 Library PMK LVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP012	SC9MCP C18 Library PMK RVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	18nm	LN18FDS	LOGIC	SE43LP013	SC9MCP C22 Library PMK RVt
Samsung	18nm	LN18FDS	LOGIC	SE43LP014	SC9MCP C26 Library PMK RVt
Samsung	18nm	LN18FDS	LOGIC	SE43LQ001	SC9MCP Quality Reports
Samsung	18nm	LN18FDS	LOGIC	SE43LR000	SC9MCP C18-C26 Library LVt-HVT
Samsung	18nm	LN18FDS	LOGIC	SE43LR001	SC9MCP C18-C26 Library LVT
Samsung	18nm	LN18FDS	LOGIC	SE43LR002	SC9MCP C18-C26 Library RVT
Samsung	18nm	LN18FDS	MISCELLANEOUS	SE43MX000	Memory Explorer
Samsung	18nm	LN18FDS	MEMORY	SE43SA000	NA Memory Compiler Safety Packag
Samsung	18nm	LN18FDS	LOGIC	SE43SC000	Logic Safety Package
Samsung	18nm	LN18FDS	INTERFACE	SE43SG000	GPIO Safety Package
Samsung	18nm	LN18FDS	PHYSICAL IP	SE43TC000	ArtNuvo Silicon Validation TC1
Samsung	18nm	LN18FDS	PHYSICAL IP	SE43TC001	ArtNuvo Silicon Validation TC2
Samsung	18nm	LN18FDS	LOGIC	SE43TF000	ARM Routing Technology Kit
Samsung	14nm	LN14LPC*	MEMORY	SE44CA000	High Speed SP SRAM RVt-MVt
Samsung	14nm	LN14LPC*	MEMORY	SE44CA001	High Den SP SRAM RVt-MVt
Samsung	14nm	LN14LPC*	MEMORY	SE44CD000	High Speed 1 Port RF RVt-MVt
Samsung	14nm	LN14LPC*	MEMORY	SE44CE000	High Speed 2 Port RF RVt MVt
Samsung	14nm	LN14LPC*	MEMORY	SE44CF000	High Den Via Prg ROM LVt-MVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB000	SC6MC C4 Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB001	SC6MC C4 Library LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB002	SC6MC C6 Library LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	4nm	LN04LPE	LOGIC	SE45LB003	SC6MC C6 Library RVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB004	SC6MC C4 Library RVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB005	SC6MC C6 Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB006	SC8MC C4 Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB007	SC8MC C4 Library LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB008	SC8MC C6 Library LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB009	SC8MC C6 Library RVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB010	SC8MC C4 Library RVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB011	SC8MC C6 Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB012	SC8MC C4 Library ULVt
Samsung	4nm	LN04LPE	LOGIC	SE45LB013	SC8MC C6 Library ULVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP000	SC6MC C4 PMK Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP001	SC6MC C4 PMK Library LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP002	SC6MC C6 PMK Library LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP003	SC6MC C6 PMK Library RVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP004	SC6MC C4 PMK Library RVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP005	SC6MC C6 PMK Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP006	SC8MC C4 PMK Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP007	SC8MC C4 PMK Library LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP008	SC8MC C6 PMK Library LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP009	SC8MC C6 PMK Library RVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	4nm	LN04LPE	LOGIC	SE45LP010	SC8MC C6 PMK Library SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP011	SC8MC C4 PMK Library RVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP012	SC8MC C4 PMK ULVt
Samsung	4nm	LN04LPE	LOGIC	SE45LP013	SC8MC C6 PMK ULVt
Samsung	4nm	LN04LPE	LOGIC	SE45LY000	SC8MC CTK C6 LVt
Samsung	4nm	LN04LPE	LOGIC	SE45LY001	SC8MC CTK C6 SLVt
Samsung	4nm	LN04LPE	LOGIC	SE45LY002	SC8MC C6 CTK ULVt
Samsung	4nm	LN04LPE	LOGIC	SE45TF000	ARM Routing Technology Kit
Samsung	11nm	11LPP*	MEMORY	SE47CA000	HS SP SRAM MVt
Samsung	11nm	11LPP*	MEMORY	SE47CA001	HD SP SRAM MVt
Samsung	11nm	11LPP*	MEMORY	SE47CD000	HS SP RF MVt
Samsung	11nm	11LPP*	MEMORY	SE47CE000	HS 2P RF MVt
Samsung	11nm	11LPP*	MEMORY	SE47CF000	HD Via Prog ROM MVt
Samsung	11nm	11LPP*	INTERFACE	SE47IG000	GPIO 1.8V
Samsung	11nm	11LPP*	LOGIC	SE47LB000	SC9MCP c14 Library RVt
Samsung	11nm	11LPP*	LOGIC	SE47LB001	SC9MCP c16 Library RVt
Samsung	11nm	11LPP*	LOGIC	SE47LB002	SC9MCP c14 Library LVt
Samsung	11nm	11LPP*	LOGIC	SE47LB003	SC9MCP c16 Library LVt
Samsung	11nm	11LPP*	LOGIC	SE47LB004	SC9MCP c14 Library SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LB005	SC9MCP c16 Library SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LC000	Logic Platform Architect Pkg
Samsung	11nm	11LPP*	LOGIC	SE47LD000	Platform User Guide
Samsung	11nm	11LPP*	LOGIC	SE47LE000	SC9MCP C14 ECO RVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	11nm	11LPP*	LOGIC	SE47LE001	SC9MCP C16 ECO RVt
Samsung	11nm	11LPP*	LOGIC	SE47LE002	SC9MCP C14 ECO LVt
Samsung	11nm	11LPP*	LOGIC	SE47LE003	SC9MCP C16 ECO LVt
Samsung	11nm	11LPP*	LOGIC	SE47LE004	SC9MCP C14 ECO SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LE005	SC9MCP C16 ECO SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LH000	SC9MCP c14 HPK RVt
Samsung	11nm	11LPP*	LOGIC	SE47LH001	SC9MCP c16 HPK RVt
Samsung	11nm	11LPP*	LOGIC	SE47LH002	SC9MCP c14 HPK LVt
Samsung	11nm	11LPP*	LOGIC	SE47LH003	SC9MCP c16 HPK LVt
Samsung	11nm	11LPP*	LOGIC	SE47LH004	SC9MCP c14 HPK SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LH005	SC9MCP c16 HPK SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LL000	SC9MCP Logic Corner Generator
Samsung	11nm	11LPP*	LOGIC	SE47LP000	SC9MCP c14 PMK RVt
Samsung	11nm	11LPP*	LOGIC	SE47LP001	SC9MCP c16 PMK RVt
Samsung	11nm	11LPP*	LOGIC	SE47LP002	SC9MCP c14 PMK LVt
Samsung	11nm	11LPP*	LOGIC	SE47LP003	SC9MCP c16 PMK LVt
Samsung	11nm	11LPP*	LOGIC	SE47LP004	SC9MCP c14 PMK SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LP005	SC9MCP c16 PMK SLVt
Samsung	11nm	11LPP*	LOGIC	SE47LQ000	SC9MCP Quality Reports
Samsung	11nm	11LPP*	LOGIC	SE47LR000	SC9MCP c14-c16 RKLO RVt
Samsung	11nm	11LPP*	LOGIC	SE47LR001	SC9MCP c14-c16 RKLO LVt
Samsung	11nm	11LPP*	LOGIC	SE47LR002	SC9MCP c14-c16 RKLO SLVt-LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
Samsung	11nm	11LPP*	MEMORY	SE47MX000	Memory Explorer
Samsung	11nm	11LPP*	LOGIC	SE47TF000	ARM Routing Technology Kit
Samsung	5nm	LN05LPEA00	LOGIC	SE48LC000	Logic Platform Architect Pkg
Samsung	5nm	LN05LPEA00	LOGIC	SE48LL000	SC6MC Logic Corner Generator
Samsung	5nm	LN05LPEA00	LOGIC	SE48LL001	SC7MC Logic Corner Generator
Samsung	5nm	LN05LPEA00	MEMORY	SE48SA000	Memory compiler safety package
Samsung	5nm	LN05LPEA00	LOGIC	SE48SC000	Logic Safety Package
Samsung	5nm	LN05LPEA00	INTERFACE	SE48SG000	GPIO Safety Package
Samsung	5nm	LN05LPEA00	PHYSICAL IP	SE48TC000	Silicon Validation TC1
Samsung	5nm	LN05LPEA00	MISCELLANEOUS	SE48TC001	Silicon Validation TC2
Samsung	14nm	14LPUA01	LOGIC	SE53LL000	SC9MCP Logic Corner Generator
Samsung	14nm	14LPUA01	MISCELLANEOUS	SE53SA000	Memory compiler safety package
Samsung	14nm	14LPUA01	MISCELLANEOUS	SE53SC000	Logic Safety Package
Samsung	14nm	14LPUA01	INTERFACE	SE53SG000	GPIO Safety Package
Silterra	180 nm	D18V	PHYSICAL IP	SI07TC000	Testchip for 5V IPs
Silterra	130 nm	CMOSM13A	MISCELLANEOUS	SI09TC000	All Test Chip
TSMC	150 nm	CL015G	(blank)	TS10CD500	(blank)
TSMC	130 nm	CL013G	(blank)	TS12CH500	(blank)
TSMC	(blank)	(blank)	(blank)	TS19CH500	(blank)
TSMC	40nm	CLN40G	INTERFACE	TS27IG000	GPIO 1.8V Pad Limited
TSMC	(blank)	(blank)	(blank)	TS27MX000	(blank)
TSMC	40nm	CLN40LP	LOGIC	TS28LL000	SC9MC Modeling Pkg

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	40nm	CLN40LP	LOGIC	TS28LL001	SC12MC Modeling Pkg
TSMC	40nm	CLN40LP	LOGIC	TS28LL002	SC12MC HPK Modeling Pkg
TSMC	180 nm	CE018FG	LOGIC	TS32LS000	SC7 UHD PMK Isolation Cells RVt
TSMC	28nm	CLN28HP	MEMORY	TS33CA000	High Speed SP SRAM SVt-MVt
TSMC	28nm	CLN28HP	MEMORY	TS33CB000	High Speed DP SRAM SVt-MVt
TSMC	28nm	CLN28HP	MEMORY	TS33CE000	High Den 2 Port RF SVt-MVt
TSMC	28nm	CLN28HP	MEMORY	TS33CF000	High Den Via Prg ROM SVt-MVt
TSMC	28nm	CLN28HP	LOGIC	TS33LB001	SC12MC High Perf C31 Library LVt
TSMC	28nm	CLN28HP	LOGIC	TS33LB002	SC12MC High Perf C35 Library SVt
TSMC	28nm	CLN28HP	LOGIC	TS33LB003	SC12MC High Perf C35 Library LVt
TSMC	28nm	CLN28HP	LOGIC	TS33LB004	SC12MC High Perf C38 Library SVt
TSMC	28nm	CLN28HP	LOGIC	TS33LB005	SC12MC High Perf C35 Library HVt
TSMC	28nm	CLN28HP	LOGIC	TS33LE001	SC12MC High Perf C35 ECO Kit SVt
TSMC	28nm	CLN28HP	LOGIC	TS33LP002	SC12MC High Perf C35 PMK SVt
TSMC	28nm	CLN28HP	LOGIC	TS33LP004	SC12MC High Perf C35 PMK HVt
TSMC	28nm	CLN28HP	LOGIC	TS33LP012	SC12MC High Perf C38 PMK SVt
TSMC	28nm	CLN28HP	MEMORY	TS33MA000	High Speed SP SRAM SVt-LVt-SVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	28nm	CLN28HP	MEMORY	TS33MB000	High Speed DP SRAM SVt-LVt-SVt
TSMC	28nm	CLN28HP	MEMORY	TS33ME000	High Den 2 Port RF SVt-LVt-SVt
TSMC	28nm	CLN28HP	MEMORY	TS33MF000	High Den Via Prg ROM SVt-LVt-SVt
TSMC	28nm	CLN28HP	LOGIC	TS33TF000	ARM Routing Technology Kit
TSMC	55nm	CLN55LP	LOGIC	TS46CF001	High Den Via Prog ROM
TSMC	55nm	CLN55LP	LOGIC	TS46LP001	SC12 High Perf PMK HVt
TSMC	90nm	CEN90FT	MISCELLANEOUS	TS50MX000	Memory Explorer
TSMC	28nm	CLN28LP	LOGIC	TS55LH003	SC12MC High Perf C30 HPK SVt
TSMC	28nm	CLN28LP	LOGIC	TS55LH004	SC12MC High Perf C40 HPK LVt
TSMC	28nm	CLN28LP	LOGIC	TS55LP003	SC9MC High Den C40 PMK SVt
TSMC	28nm	CLN28LP	LOGIC	TS55LP004	SC9MC High Den C40 PMK LVt
TSMC	16nm	CLN16FFLL *	LOGIC	TS61LC000	Logic Platform Architect Pkg
TSMC	40nm	CLN40ULP	LOGIC	TS69LL000	SC9MC Modeling Pkg
TSMC	40nm	CLN40ULP	LOGIC	TS69LL001	SC7MC Modeling Pkg
TSMC	40nm	CLN40ULP	LOGIC	TS69LL002	SC9MC HPK Modeling Pkg
TSMC	40nm	CLN40ULP	LOGIC	TS69LL003	SC7MC HPK Modeling Pkg
TSMC	28nm	CLN28HT	LOGIC	TS71LC000	Logic Platform Architect Pkg
TSMC	28nm	CLN28HT	LOGIC	TS71LK000	SC7MC Schematic Pkg
TSMC	28nm	CLN28HT	LOGIC	TS71LK001	SC9MC Schematic Pkg
TSMC	28nm	CLN28HT	LOGIC	TS71LK002	SC12MC Schematic Pkg

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	28nm	CLN28HT	LOGIC	TS71LL000	SC7MC Logic Corner Generator
TSMC	28nm	CLN28HT	LOGIC	TS71LL001	SC9MC Logic Corner Generator
TSMC	28nm	CLN28HT	LOGIC	TS71LL002	SC12MC Logic Corner Generator
TSMC	16nm	CLN16FCLL001	LOGIC	TS74LC000	Logic Platform Architect Pkg
TSMC	16nm	CLN16FCLL001	LOGIC	TS74LL000	SC7PO Logic Corner Generator
TSMC	16nm	CLN16FCLL001	LOGIC	TS74LL001	SC9CP Logic Corner Generator
TSMC	16nm	CLN16FCLL001	LOGIC	TS74LN000	SC7PO EMG Tech Pkg
TSMC	16nm	CLN16FCLL001	LOGIC	TS74LN001	SC9CP EMG Tech Pkg
TSMC	16nm	CLN16FCLL001	MEMORY	TS74SA000	Memory compiler safety package
TSMC	16nm	CLN16FCLL001	LOGIC	TS74SC000	Logic Safety Package
TSMC	16nm	CLN16FCLL001	INTERFACE	TS74SG000	GPIO Safety Package
TSMC	7nm	CLN07FF41001	MEMORY	TS75CA002	Xilinx custom UHD SP SRAM MVt
TSMC	7nm	CLN07FF41001	MEMORY	TS75CC001	Xilinx custom UHD 2P SRAM MVt
TSMC	7nm	CLN07FF41001	LOGIC	TS75LC001	Logic Platform Architect Pkg
TSMC	7nm	CLN07FF41001	LOGIC	TS75LL004	SCH240MC ENH Logic Corner Gen
TSMC	7nm	CLN07FF41001	LOGIC	TS75LL005	SCH300MC ENH Logic Corner Gen
TSMC	7nm	CLN07FF41001	LOGIC	TS75LN004	SCH240MC ENH EMG Tech Pkg

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	7nm	CLN07FF41001	LOGIC	TS75LN005	SCH300MC ENH EMG Tech Pkg
TSMC	7nm	CLN07FF41001	MEMORY	TS75SA000	Memory Compiler Safety Packa
TSMC	180 nm	CV018M2	LOGIC	TS79LD000	Platform User Guide
TSMC	22nm	CLN22ULP	LOGIC	TS81LD000	Platform User Guide
TSMC	22nm	CLN22ULP	LOGIC	TS81TF000	ARM Routing Technology Kit
TSMC	20nm	CLN22UL	LOGIC	TS83LC000	Logic Platform Architect Pkg
TSMC	22nm	CLN22UL	LOGIC	TS83LL000	SC6MC Logic Corner Generator
TSMC	22nm	CLN22UL	LOGIC	TS83LL001	SC7MC Logic Corner Generator
TSMC	22nm	CLN22UL	LOGIC	TS83LL002	SC9MC Logic Corner Generator
TSMC	22nm	CLN22UL	LOGIC	TS83LN001	SC7MC EMG Tech Pkg
TSMC	22nm	CLN22UL	MISCELLANEOUS	TS83LQ000	SC6MC Quality Reports
TSMC	22nm	CLN22UL	MISCELLANEOUS	TS83LQ001	SC7MC Quality Reports
TSMC	22nm	CLN22UL	MEMORY	TS83MA000	SRAM Custom instances
TSMC	22nm	CLN22UL	MEMORY	TS83MF000	ROM Custom instances
TSMC	22nm	CLN22UL	MEMORY	TS83SA000	Memory Safety Package
TSMC	22nm	CLN22UL	LOGIC	TS83SC000	Logic Safety Package
TSMC	22nm	CLN22UL	PHYSICAL IP	TS83TC004	ArtNuvo Silicon Validation TC5
TSMC	5nm	CLN05FB41001	AMS	TS86BD000	Digital Storage Oscilloscope
TSMC	5nm	CLN05FB41001	LOGIC	TS86BN000	Noise Generator
TSMC	5nm	CLN05FB41001	MEMORY	TS86CA000	Neoverse HD SP SRAM Compiler

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	5nm	CLN05FB41001	MEMORY	TS86CC000	2P UHD SRAM Compiler
TSMC	5nm	CLN05FB41001	MEMORY	TS86CD000	Neoverse SP RF Compiler
TSMC	5nm	CLN05FB41001	MEMORY	TS86CE000	Neoverse 2P RF Compiler
TSMC	5nm	CLN05FB41001	LOGIC	TS86LS000	SCH280 Custom cell Library Set
TSMC	3nm	CLN03FV41001	MEMORY	TS90CA000	HD SP SRAM Compiler
TSMC	3nm	CLN03FV41001	MEMORY	TS90CC000	2P UHD SRAM Compiler
TSMC	3nm	CLN03FV41001	MEMORY	TS90CD000	SP RF Compiler
TSMC	3nm	CLN03FV41001	MEMORY	TS90CE000	2P RF Compiler
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB000	SCM195 54CPP Library SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB001	SCH169 54CPP Library SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB002	SCM143 48CPP Library SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB003	SCH169 48CPP Library SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB004	SCH169 54CPP Library ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB005	SCM143 48CPP Library ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB006	SCH169 48CPP Library ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB007	SCH169 48CPP Library eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB008	SCH169 54CPP Library eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB009	SCH169 48CPP Library LVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB010	SCM143 48CPP Library eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB011	SCH169 48CPP Library ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB012	SCH169 54CPP Library LVt-LL

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB013	SCH169 48CPP Library LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB014	SCM143 48CPP Library Lvt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB015	SCH169 54CPP Library ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB016	SCM143 48CPP Library ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB017	SCH169 54CPP Library LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB018	SCM143 48CPP Library LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB019	SCM195 54CPP Library ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB020	SCM195 54CPP Library eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB021	SCM195 54CPP Library Lvt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB022	SCM195 54CPP Library ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LB023	SCM195 54CPP Library LVt
TSMC	3nm	CLN03FV41001	MISCELLANEOUS	TS90LD000	Platform User Guide
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE000	SCM143 48CPP ECO LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE001	SCH169 54CPP ECO LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE002	SCH169 48CPP ECO LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE003	SCM195 54CPP ECO LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE004	SCM143 48CPP ECO SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE005	SCH169 48CPP ECO SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE006	SCH169 54CPP ECO SVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE010	SCM143 48CPP ECO ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE011	SCH169 48CPP ECO ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE012	SCH169 54CPP ECO ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE013	SCM143 48CPP ECO eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE014	SCH169 48CPP ECO eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE015	SCH169 54CPP ECO eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE016	SCM143 48CPP ECO LVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE017	SCH169 48CPP ECO LVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE018	SCH169 54CPP ECO LVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE019	SCM143 48CPP ECO ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE020	SCH169 48CPP ECO ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LE021	SCH169 54CPP ECO ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP000	SCM143 48CPP PMK SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP001	SCM143 48CPP PMK ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP002	SCM143 48CPP PMK eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP003	SCM143 48CPP PMK Lvt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP004	SCM143 48CPP PMK ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP005	SCM143 48CPP PMK LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP006	SCH169 54CPP PMK SVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP007	SCH169 48CPP PMK SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP008	SCH169 54CPP PMK ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP009	SCH169 48CPP PMK ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP010	SCH169 48CPP PMK eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP011	SCH169 48CPP PMK Lvt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP012	SCH169 48CPP PMK ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP013	SCH169 48CPP PMK LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP014	SCH169 54CPP PMK eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP015	SCH169 54CPP PMK Lvt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP016	SCH169 54CPP PMK ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP017	SCH169 54CPP PMK LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP018	SCM195 54CPP PMK SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP019	SCM195 54CPP PMK ULVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP020	SCM195 54CPP PMK eLVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP021	SCM195 54CPP PMK Lvt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP022	SCM195 54CPP PMK ULVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LP023	SCM195 54CPP PMK LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR000	SCH169 48CPP RKLO SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR001	SCH169 48CPP RKLO Lvt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR002	SCH169 48CPP RKLO LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR003	SCH169 48CPP RKLO LVtLL-SVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR004	SCH169 48CPP RKLO LVt-LVtLL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR005	SCH169 54CPP RKLO SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR006	SCH169 54CPP RKLO LVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR007	SCH169 54CPP RKLO LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR008	SCH169 54CPP RKLO LVtLL-SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR009	SCH169 54CPP RKLO LVt-LVtLL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR010	SCM143 48CPP RKLO SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR011	SCM143 48CPP RKLO LVt-LL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR012	SCM143 48CPP RKLO LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR013	SCM143 48CPP RKLO LVtLL-SVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LR014	SCM143 48CPP RKLO LVt-LVtLL
TSMC	3nm	CLN03FV41001	LOGIC	TS90LS034	SCM143 48CPP SCK LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LS035	SCH169 54CPP SCK LVt
TSMC	3nm	CLN03FV41001	LOGIC	TS90LS036	SCH169 54CPP SCK ULVt
TSMC	3nm	CLN03FV41001	PHYSICAL IP	TS90TC000	All Test Chip
TSMC	3nm	CLN03FV41001	LOGIC	TS90TF000	ARM Routing Technology Kit
TSMC	3nm	CLN03FA41001	AMS	TS91BA000	Delay Monitor
TSMC	3nm	CLN03FA41001	AMS	TS91BA001	Droop Detector
TSMC	3nm	CLN03FA41001	AMS	TS91BA002	Hotspot Profiler
TSMC	3nm	CLN03FA41001	AMS	TS91BA003	Diode Temperature Sensor

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB000	SCM143 48CPP Library SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB001	SCM143 48CPP Library ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB002	SCM143 48CPP Library eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB003	SCM143 48CPP Library Lvt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB004	SCM143 48CPP Library ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB005	SCM143 48CPP Library LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB006	SCH169 54CPP Library SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB007	SCH169 54CPP Library ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB008	SCH169 54CPP Library eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB009	SCH169 54CPP Library Lvt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB010	SCH169 54CPP Library ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB011	SCH169 54CPP Library LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB012	SCH169 48CPP Library SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB013	SCH169 48CPP Library ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB014	SCH169 48CPP Library eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB015	SCH169 48CPP Library LVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB016	SCH169 48CPP Library ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LB017	SCH169 48CPP Library LVt
TSMC	3nm	CLN03FA41001	MISCELLANEOUS	TS91LD000	Platform User Guide
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE000	SCM143 48CPP ECO LVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE001	SCM143 48CPP ECO SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE002	SCM143 48CPP ECO ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE003	SCM143 48CPP ECO eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE004	SCM143 48CPP ECO LVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE005	SCM143 48CPP ECO ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE006	SCH169 54CPP ECO ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE007	SCH169 54CPP ECO LVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE008	SCH169 54CPP ECO eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE009	SCH169 54CPP ECO ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE010	SCH169 54CPP ECO SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE011	SCH169 54CPP ECO LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE012	SCH169 48CPP ECO LVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE013	SCH169 48CPP ECO ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE014	SCH169 48CPP ECO eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE015	SCH169 48CPP ECO ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE016	SCH169 48CPP ECO SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LE017	SCH169 48CPP ECO LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP000	SCM143 48CPP PMK SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP001	SCM143 48CPP PMK ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP002	SCM143 48CPP PMK eLVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP003	SCM143 48CPP PMK Lvt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP004	SCM143 48CPP PMK ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP005	SCM143 48CPP PMK LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP006	SCH169 54CPP PMK SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP007	SCH169 54CPP PMK ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP008	SCH169 54CPP PMK eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP009	SCH169 54CPP PMK Lvt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP010	SCH169 54CPP PMK ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP011	SCH169 54CPP PMK LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP012	SCH169 48CPP PMK SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP013	SCH169 48CPP PMK ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP014	SCH169 48CPP PMK eLVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP015	SCH169 48CPP PMK Lvt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP016	SCH169 48CPP PMK ULVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LP017	SCH169 48CPP PMK LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR000	SCM143 48CPP RKLO SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR001	SCM143 48CPP RKLO LVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR002	SCM143 48CPP RKLO LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR003	SCM143 48CPP RKLO LVtLL-SVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR004	SCM143 48CPP RKLO LVt-LVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR005	SCH169 54CPP RKLO SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR006	SCH169 54CPP RKLO LVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR007	SCH169 54CPP RKLO LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR008	SCH169 54CPP RKLO LVtLL-SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR009	SCH169 54CPP RKLO LVt-LVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR010	SCH169 48CPP RKLO SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR011	SCH169 48CPP RKLO LVt-LL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR012	SCH169 48CPP RKLO LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR013	SCH169 48CPP RKLO LVtLL-SVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LR014	SCH169 48CPP RKLO LVt-LVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91LS034	SCM143 48CPP SCK LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LS035	SCH169 54CPP SCK LVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91LS036	SCH169 54CPP SCK ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA000	SCM143 PP48 MDK Lib LVt- ULVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA001	SCM143 PP48 MDK Lib LVtLL- LVT
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA002	SCM143 PP48 MDK Lib SVt- LVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA003	SCM143 PP48 MDK Lib ULVt- ELVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA004	SCM143 PP48 MDK Lib ULVtLL-ULVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA005	SCH169 PP54 MDK Lib ULVt-ELVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA006	SCH169 PP54 MDK Lib ULVtLL-ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA007	SCH169 PP54 MDK Lib LVt-ULVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA008	SCH169 PP54 MDK Lib LVtLL-LVT
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA009	SCH169 PP54 MDK Lib SVt-LVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA010	SCH169 PP48 MDK Lib ULVt-ELVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA011	SCH169 PP48 MDK Lib ULVtLL-ULVt
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA012	SCH169 PP48 MDK Lib LVt-ULVtLL
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA013	SCH169 PP48 MDK Lib LVtLL-LVT
TSMC	3nm	CLN03FA41001	LOGIC	TS91TA014	SCH169 PP48 MDK Lib SVt-LVtLL
TSMC	3nm	CLN03FA41001	MISCELLANEOUS	TS91TF000	ARM Routing Technology Kit
UMC	40nm	L40LP	PHYSICAL IP	UM13TC004	ArtNuvo Silicon Validation TC5
UMC	40nm	L40LP	PHYSICAL IP	UM13TC005	ArtNuvo Silicon Validation TC6
UMC	40nm	L40LP	PHYSICAL IP	UM13TC006	ArtNuvo Silicon Validation TC7
UMC	40nm	L40LP	PHYSICAL IP	UM13TC007	ArtNuvo Silicon Validation TC8
UMC	40nm	40ULPeflash	LOGIC	UM27LL000	SC9MC Logic Corner Generator
UMC	40nm	L40LPauto	MEMORY	UM28MD000	HD SP RF RVt

Foundry	Technology	Process	Product Category	SAP	Material Description
TSMC	28nm	CLN28HPL*	MEMORY	XL00CA000	High Den SP SRAM RVt-HVt-RVt
TSMC	28nm	CLN28HPL*	MEMORY	XL00CE000	High Den 2 Port Reg File RVt
TSMC	28nm	CLN28HPL*	MEMORY	XL00MF000	High Den Via Prog ROM HVt-RVt
TSMC	28nm	CLN28HPL*	MEMORY	XL01CA000	High Speed SP SRAM LVt
TSMC	28nm	CLN28HPL*	MEMORY	XL01CE000	High Den 2 Port RF LVt
TSMC	28nm	CLN28HPL*	MEMORY	XL01CF001	High Den Via Prog ROM

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Arm Limited. Company 02557590 registered in England.
110 Fulbourn Road, Cambridge, England CB1 9NJ.
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Revision history

The Document history table gives the issue number and the released date for each released issue of this document.

Document history

Issue	Date	Confidentiality	Change
0100-00	January 28, 2025	Non-Confidential	Initial issue of this document.