

证书 CN21/20069

下述组织

台积电(中国)有限公司

统一社会信用代码 913100007529168714

注册地址: 上海市松江区文翔路 4000 号
经营地址: 中国上海市松江区文翔路 4000 号

的管理体系已经过审核, 并被证明符合下述要求

GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

所涉及的活动范围覆盖

集成电路制造(8 寸晶圆)过程中涉及到的能源采购、接收、贮存、
加工转换、输送、使用等相关的能源管理活动及节能技术的应用。

获证组织上年度和本年度的单位产品综合能耗和万元产值能耗及能耗核算边界见标有相同证书注册号的
证书附件, 证书附件是本证书的组成部分

该证书的有效期自 2021 年 01 月 20 日至 2024 年 01 月 19 日
并须经过符合要求的监督审核保持有效
持续认证至少在证书失效前 60 天执行
版本号 1. 初始注册日期 2021 年 01 月 20 日

签署

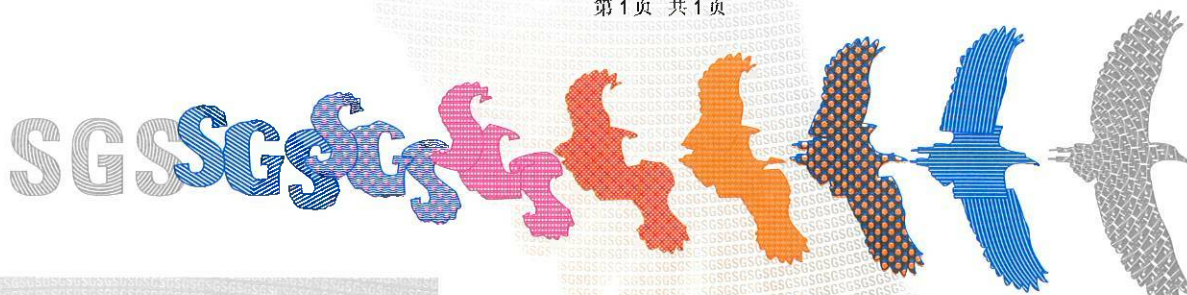
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本证书信息可在国家认证认可监督管理委员会公示的网站 www.cnca.gov.cn 上查询

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GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

版本号 1



获证组织能效指标及能耗核算边界

审核类型及时间	审核周期内单位产品/产值能耗	能耗核算边界
初次认证 2021年1月 13~15日	2019年1月-2019年12月 集成电路(8寸晶圆): 0.0412 吨标煤/片 0.1330 吨标准煤/万元 2020年1月-2020年12月 集成电路(8寸晶圆): 0.0343 吨标煤/片 0.1088 吨标准煤/万元	位于中国上海市松江区文翔路 4000 号的工厂, 主要用能过程包括清洗、氧化扩散、CVD 沉积、光刻、去胶、干法刻蚀、CMP 抛光、 湿法腐蚀、离子注入、溅射、检测等生产过程 以及锅炉、排风、照明、中央空调、工艺 冷却水、超纯水制取、废水处理和废气处理等 辅助生产过程以及食堂等附属过程。 2019年1月-2019年12月产量: 集成电路(8寸晶圆): 1168403 片 2020年1月-2020年12月产量: 集成电路(8寸晶圆): 1468474 片
第1次监督 年月日		
第2次监督 年月日		

Certificate CN21/20069

The management system of

TSMC (China) Company Limited Company

Unified Social Credit Code 913100007529168714

Business Registration Address: No. 4000, Wen Xiang Road, Songjiang, Shanghai

Business Operation Address: No. 4000, Wen Xiang Road, Songjiang, P.R. China



has been assessed and certified as meeting the requirements of

GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

For the following activities

Energy management activities related to energy procurement, reception, storage, processing conversion, transmission, use and other related energy-saving technologies are involved in the process of integrated circuit manufacturing (8-inch wafer).



For the detail information regarding boundaries and comprehensive energy consumption, please see the appendix with the same number of this certificate and it is the component of this certificate.

This certificate is valid from 20 January 2021 until 19 January 2024 and remains valid subject to satisfactory surveillance audits.

Re certification audit due a minimum of 60 days before the expiration date
Issue 1. Certified since 20 January 2021.

Authorized by

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The certification information can be verified on the web site of Certification and Accreditation Administration of the People's Republic of China www.cnca.gov.cn



TSMC (China) Company Limited Company

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GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

Issue 1



Organization's energy performance indicators and boundaries

Audit type and date	Energy consumption per unit product or unit output value during audit cycle	Boundaries
Main audit Jan. 13-15, 2021	<p>Jan. 2019 - Dec. 2019 Integrated circuit (8-inch wafer): 0.0412 kgce/pcs 0.1330 tce/ten thousand RMB</p> <p>Jan. 2020 - Dec. 2020 Integrated circuit (8-inch wafer): 0.0343 kgce/pcs 0.1088 tce/ten thousand RMB</p>	<p>The factory is located at 4000 Wenxiang Road, Songjiang, Shanghai, China. The main energy consumption processes include cleaning, oxidation diffusion, CVD deposition, photolithography, degumming, dry etching, CMP polishing, wet etching, ion implantation, sputtering, detection and other production processes, as well as auxiliary production processes such as boilers, exhaust, lighting, central air conditioning, process cooling water, ultra-pure water preparation, wastewater treatment and waste gas treatment, and canteen and other ancillary processes.</p> <p>Production from Jan. 2019 to Dec. 2019: Integrated circuit (8-inch wafer): 1168403 pcs</p> <p>Production from Jan. 2020 to Dec. 2020: Integrated circuit (8-inch wafer): 1468474 pcs</p>
1 st Sur		
2 nd Sur		