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|  <small>Time-To-Market Interconnect Solutions</small> | Supplier Quality Manual 供应商品质手册 | |
| | Doc. No. 文件编号: SQAM001 | Issue-Rev. 版本-修订: B-1.0 |

Supplier Hazardous Substance Guarantee 供应商有害物质保证书

Company Registered Name 公司注册名 _____

Company Address: 公司地址 _____

Contact Name 联系人姓名 _____ **Title 职位** _____

Telephone: 联系电话 _____ **Email 电邮** _____

This is to formally guarantee that all the materials (including WIP or Finished Goods of PCB if applicable) supplied from now on to **TTM** for PCB manufacturing and packing all completely conform to EU regulations, directives and **TTM**'s special requirements described below. We are obligated to provide related evidential information to **TTM** upon request.

本公司正式保证从现在开始所有供给 **TTM** 之用作 PCB 加工之物料和 PCB 包装材料 (如适用, 包括 PCB 半成品或成品) 完全符合欧盟法规、指令和 **TTM** 有害物质管理要求。在有要求时, 我们有义务向 **TTM** 提供相关的证明信息。

1. Directive 2011/65/EU (RoHS2.0): Restriction of the use of certain hazardous substance in electrical and electronic equipment.

RoHS 指令: 《关于在电子电器设备中禁止使用某些有害物质指令》

Note: For Cd, **TTM**'s limit threshold is 75 ppm.

注: 对于镉, **TTM** 要求的控制限为 75ppm。

2. Regulation 1907/2006/EC (REACH): Registration, Evaluation, Authorization and Restriction of Chemicals

Remark: **TTM** focus on SVHC (published on ECHA official web) and Restriction list (REACH regulation Annex XVII). If any product we supply contains any of those prohibited/controlled substances, we must report to **TTM**.

REACH 法规: 《化学品的注册、评估、授权和限制法规》

注: **TTM** 关注高度关注物质 (ECHA 网站上公布) 和限制物质 (REACH 法规最新要求), 如果我们供应的产品含有这些高度关注物质或限制物质, 我们必须报告给 **TTM**。

3. Directive 2006/122/EC (PFOS): Restrictions on Marketing and Use of perfluorooctane suffocates

《关于限制全氟辛烷磺酸盐销售及使用的指令》(2006/122/EC)

PFOS<1000ppm

4. Directive 2009/251/EC OJL 32-34, 20.3.2009(DMF)

要求各成员国保证不将含有生物杀灭剂富马酸二甲酯 (DMF) 的产品投放市场或销售该产品的决议

DMF<0.1ppm

5. JIG101 - Joint Industry Guide 联合工业指南-电子产品材料成分声明

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6. GADSL-Global Automotive Declarable Substance List

全球汽车申报物质清单

7. IEC 61249-2-21 -Halogen Free Requirement

印制板和其他互联结构用材料-无卤要求

Br<900ppm, Cl<900ppm, Br+Cl<1500ppm

8. 94/62/EC European Parliament and Council Directive on Packaging and Packaging Waste

《关于包装和包装废弃物处理的欧洲议会和理事会指令》

Pb+Cd+Hg+Cr(VI)<100ppm

Note: PVC is prohibited by TTM.注: TTM 禁用 PVC

Point 1 to 6 are applicable to all materials. Point 7 is only applicable to halogen free materials. Point 8 is only applicable to packing material supplied to TTM for PCB packing.

第 1 至 6 条适用于所有的物料, 第 7 条适用于无卤材料, 第 8 条适用于 TTM 的产品使用的包装材料。

When product (containing poisonous substances) or Management Representatives occur any changes, our company will inform TTM immediately and provide related evidential documents.

当产品规格(含有害物质)或管理者代表变更时, 本公司将立即主动告知并提供新的相关证明文件。

In case that any products delivered to TTM, hereafter, after inspection, are found failure to comply with the above requirements which has caused the rejection of product by TTM customer, or caused TTM finance losses or damages.

Our company is responsible for all losses and damages incurred.

随后交至 TTM 的所有产品, 经检验相关物质未能符合上述规定, 导致客户退货或导致 TTM 集团蒙受相关损失时, 本公司愿意承担赔偿责任。

It is not allowed to change this Guarantee without prior consent in writing from TTM; this guarantee will not be affected under the circumstances of our company internal change. If we find the products we supplied to TTM no longer comply with the latest requirements of the above regulations/directives in the future, we will inform TTM immediately.

本保证书签署后生效, 非经 TTM 书面同意, 不得自行变更本保证书。且本保证书之效力不因本公司内部变动而受影响。若随后本公司发现本公司提供给 TTM 的产品不能持续满足以上法律法规的最新要求, 本公司将立即主动告知 TTM。

Any non-compliance parts shall be declared in the Appendix 1. 不能满足此要求的产品必须在附录 1 中声明。

The below undersigned person declares that he/she is duly authorized by our organization to sign on its behalf.

签署人保证有权或已经获得充分授权代表公司签署此保证书。

Appendix 1: Hazardous Substance “Non-Compliance” Acknowledgement Notice

To Declare: Yes / No

| S/N | TTM Part Number | Supplier Part Number | “Non-Compliance” Item |
|-----|-----------------|----------------------|-----------------------|
| 1 | | | |
| 2 | | | |
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| 4 | | | |
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| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

Signature of Legal Representative or Authorized Representative 法定代表人或授权代表签名

Date 日期 _____

Registered Company Seal 注册公司印

Kalex Multi-Layer Circuit Board (Zhongshan) Ltd