

验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第1页,共51页

客户名称: 四川蓝景光电技术有限责任公司

客户地址: 成都市双流县西南航空港经济开发区空港二路二段1000号

样品名称: 网口模块有线网关

检测基本型号: ZN.02016

以上样品及信息由客户提供。

SGS工作编号: 21636078 - CQ

样品接收日期: 2021年03月21日

验证周期: 2021年03月21日 - 2022年05月13日

验证要求: 参考欧盟RoHS指令2011/65/EU的修正指令2015/863/EU。

验证方法: 请参见后续页。

验证结果: 请参见后续页。

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授权签名

胡小国

Gavin Hu 胡小国
批准签署人

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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第2页,共51页

验证方法:

1. 参考IEC 62321-2:2021, 拆分申请者提供的成品。
2. 参考IEC 62321-1:2013, 仅对本报告照片中标识的样品进行了下列检测分析。
 - (1) 参考IEC 62321-3-1: 2013, 用能量色散型X射线荧光分析仪器进行筛选。
 - (2) 湿法化学检测方法: 参考IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, ISO 17075-1:2017, IEC 62321-6:2015 和IEC 62321-8:2017, 采用ICP-OES,UV-Vis 和GC- MS进行分析。

根据物料风险评估的结果, 验证送测样品中的以下材料。

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
1	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
2	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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日期: 2022年05月13日 第3页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
3	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
4	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
5	黑色金属部件	Pb	OL	---	24701▲	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	



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编号: CKGEC2100187002

日期: 2022年05月13日 第4页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
6	银色金属部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
7	透明橡胶部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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编号: CKGEC2100187002

日期: 2022年05月13日 第5页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
8	银色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
9	白色塑料部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL BL BL --- --- --- ---	--- --- --- --- --- --- BL BL BL BL	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合 符合 符合 符合	21 Mar 2021
10	金色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	OL BL BL BL --- --- ---	--- --- --- --- --- --- ---	22478▲ --- --- --- --- --- ---	符合 符合 符合 符合 --- --- ---	21 Mar 2021



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日期: 2022年05月13日 第6页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
11	黑色塑料热缩管	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
12	银色金属部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	



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日期: 2022年05月13日 第7页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
13	金色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
14	银色金属焊锡	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
15	金色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	BL BL BL BL --- --- ---	--- --- --- --- --- --- ---	--- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- ---	21 Mar 2021



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		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
16	棕色塑料管	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
17	银色金属网	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	



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18	透明塑料绝缘线皮	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
19	银色金属线	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
20	浅彩色金属螺丝	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第10页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
21	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
22	白色塑料壳	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第11页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
23	半透明物料	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
24	白色塑料壳	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
25	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	IN	---	ND	符合	
		PBDEs	IN	---	ND	符合	
		DBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第12页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
26	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	27 May 2021
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
27	黑色塑料绝缘线皮	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第13页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
28	红色塑料绝缘线皮	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
		Pb	BL	---	---	符合	
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
30	银色金属线	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第14页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
31	透明橡胶部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
32	银色金属部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第15页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
33	银色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
35	银色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	OL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	81 --- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
36	银色金属针脚	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	BL BL BL BL --- --- ---	--- --- --- --- --- --- ---	--- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- ---	21 Mar 2021



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编号: CKGEC2100187002

日期: 2022年05月13日 第16页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
37	绿色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	IN	---	ND	符合	
		PBDEs	IN	---	ND	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
38	黑色塑料管	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第17页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
39	金色金属部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
40	黑色塑料热缩管	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
41	银色金属网	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第18页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
42	透明塑料管	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
43	金色金属部件	Pb	OL	---	21084▲	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第19页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
44	金色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
46	白色塑料部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL BL BL --- --- --- ---	--- --- --- --- --- --- BL BL BL BL	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合 符合 符合 符合	21 Mar 2021
47	金色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	OL BL BL BL --- --- ---	--- --- --- --- --- --- ---	22891▲ --- --- --- --- --- ---	符合 符合 符合 符合 --- --- ---	21 Mar 2021



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第20页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
48	白色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
49	金色金属部件	Pb	OL	---	22232▲	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第21页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
50	金色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	IN BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	23072▲ --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
51	银色金属部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
52	黑色塑料部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	BL BL BL BL BL BL ---	--- --- --- --- --- --- BL	--- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合	21 Mar 2021



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第22页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
53	带白色印字的棕色塑料片	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
54	带黑色印字的黄色塑料片	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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编号: CKGEC2100187002

日期: 2022年05月13日 第23页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
55	银色金属部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	IN	---	ND	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
56	浅黄色塑料片	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
57	黑色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	IN	---	ND	符合	
		PBDEs	IN	---	ND	符合	
		DBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第24页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
58	银色/金色金属针脚	Pb	BL	---	---	符合	21 Mar 2021
		Cd	IN	---	ND	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
59	黑色物料	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第25页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
60	灰色磁铁	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL BL BL --- --- --- ---	--- --- --- --- --- --- BL BL BL BL	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合 符合 符合 符合	21 Mar 2021
61	绿色"PCB"	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL BL BL --- --- --- ---	--- --- --- --- --- --- BL BL BL BL	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合 符合 符合 符合	21 Mar 2021
62	绿色塑料部件	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	BL BL BL BL BL BL ---	--- --- --- --- --- --- BL	--- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合	21 Mar 2021



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Member of the SGS Group (SGS SA)

验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第26页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
63	黄色塑料部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
64	银色金属部件	Pb	OL	---	ND	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	IN	---	ND	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第27页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
65	银色金属部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
66	银色金属壳	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
67	黑色橡胶部件	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第28页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
68	银色金属针脚	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
69	浅灰色物料	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第29页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
70	灰色物料	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
71	棕色物料	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
72	绿色"PCB"	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	IN	---	ND	符合	
		PBDEs	IN	---	ND	符合	
		DBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第30页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
73	黑色本体	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
74	黑色本体	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第31页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
75	黑色本体	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL BL BL --- --- --- ---	--- --- --- --- --- --- BL BL BL BL	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合 符合 符合 符合	21 Mar 2021
76	黑色本体	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	OL BL BL BL --- --- --- --- --- ---	--- --- --- --- --- --- --- --- --- ---	7067▲ --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- --- --- --- ---	21 Mar 2021
77	银色金属壳	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	BL BL BL BL --- --- ---	--- --- --- --- --- --- ---	--- --- --- --- --- --- ---	符合 符合 符合 符合 --- --- ---	21 Mar 2021



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第32页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
78	黑色本体	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
79	黑色本体	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第33页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
80	带金色印字的黑色本体(贴片电阻)	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL BL BL --- --- --- ---	--- --- --- --- --- --- BL BL BL BL	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合 符合 符合 符合	21 Mar 2021
81	灰色磁铁	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP BBP DEHP DIBP	BL BL BL BL BL BL --- --- --- ---	--- --- --- --- --- --- BL BL BL BL	--- --- --- --- --- --- --- --- --- ---	符合 符合 符合 符合 符合 符合 符合 符合 符合 符合	21 Mar 2021
82	绿色"PCB"	Pb Cd Hg Cr(VI)▼ PBBs PBDEs DBP	BL BL BL BL IN IN ---	--- --- --- --- --- --- BL	--- --- --- --- ND ND ---	符合 符合 符合 符合 符合 符合 符合	21 Mar 2021



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验证报告

编号: CKGEC2100187002

日期: 2022年05月13日 第34页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
83	黑色本体	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
84	黑色本体	Pb	OL	---	51860▲	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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验证报告

编号: CKGEC2100187002

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样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
85	带红色表面透明玻璃	Pb	OL	---	80003▲	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
86	棕色本体	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	BL	---	---	符合	
		PBDEs	BL	---	---	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	
87	银色金属焊锡	Pb	BL	---	---	符合	21 Mar 2021 27 May 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	



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验证报告

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日期: 2022年05月13日 第36页,共51页

样品编号	样品描述	限用物质	EDXRF 筛分结果 ⁽¹⁾	PHTH筛分结果 ⁽²⁾	化学检测结果 ⁽³⁾ (mg/kg)	结论	样品提交/再次提交日期
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
88	绿色"PCB"	Pb	BL	---	---	符合	21 Mar 2021
		Cd	BL	---	---	符合	
		Hg	BL	---	---	符合	
		Cr(VI)▼	BL	---	---	符合	
		PBBs	IN	---	ND	符合	
		PBDEs	IN	---	ND	符合	
		DBP	---	BL	---	符合	
		BBP	---	BL	---	符合	
		DEHP	---	BL	---	符合	
		DIBP	---	BL	---	符合	



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备注

(1) (a) 对于限用物质是 PBBs 和 PBDEs, 其结果显示的是总 Br 含量; 限用物质是 Cr(VI), 其结果显示的是总 Cr 含量。

(b) EDXRF 所得的测试结果只作初步筛选, 如果 EDXRF 结果超出 IEC62321-3-1:2013 所规定的警戒范围, 我们建议客户用更精确的化学测试方法测试样品, 如用 ICP-OES 测试 Cd, Pb, Hg; 用 UV-Vis 测试 Cr(VI); 用 GC-MS 测试 PBBs 和 PBDEs (单位: mg/kg)。

元素	聚合物	金属	复合材料
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	不适用	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

(c) BL = 低于限度, OL = 超出限度, IN = 不确定, LOD = 检测限。

(d) 对于复合材料, EDXRF 筛选测试 RoHS 元素所得数据可能与样品中实际含量不同。

(2) PHTH 筛分结果只作初步筛选, 如果测试结果超出下表所规定的警戒范围, 我们采用更精确的化学测试方法测试样品, 用 GC-MS 测试 DBP、BBP、DEHP 和 DIBP (单位: mg/kg)。

化合物	DBP	BBP	DEHP	DIBP
聚合物	$BL \leq 600 < X$	$BL \leq 600 < X$	$BL \leq 600 < X$	$BL \leq 600 < X$

(3) (a) mg/kg = 0.0001%, MDL = 方法检测限, ND = 未检出(低于 MDL), --- = 不适用, - = 无清单编号

(b) 化学测试方法的表达单位和方法检测限

测试项目	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
单位	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
方法检测限	10	10	10	100	100	100	100

任何一种 PBBs 和 PBDEs 的方法检测限是 100 mg/kg;

聚合物, 复合材料和皮革样品中 Cr(VI)的方法检测限是 10 mg/kg。

金属样品中 Cr(VI)的方法检测限是 0.10 µg/cm²。

(c) ▼ = 金属样品中

a. 当六价铬的浓度高于 0.13 µg/cm² 时, 样品为阳性, 即含有六价铬;

b. 当六价铬的浓度为 ND(低于 0.10 µg/cm²)时, 样品为阴性, 即未检测到六价铬;

c. 当六价铬的浓度介于 0.10 µg/cm² 与 0.13 µg/cm² 之间时, 无法直接判定是否检测到六价铬, 因不同个体的样品表面差异可能会影响测定结果;

由于未获知样品的存储条件和生产日期, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。

(4) RoHS 指令中限制物质及均质材料中最大允许浓度值: Cd: 0.01%, Pb/Hg/Cr(VI)/PBBs/PBDEs/DEHP/DBP/BBP/DIBP: 0.1%, 限值引用自 RoHS 指令(EU) 2015/863。

(5) IEC 62321 系列等同于 EN 62321 系列

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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日期: 2022年05月13日 第38页,共51页

(6) ▲=根据客户提供的声明, 编号 5,10,43,47,49,50 中的铅(Pb)被欧盟 RoHS 指令 2011/65/EU 豁免, 相应豁免条文(请以英文原文为准) [ANNEX III 6(c)]: 铜合金中的铅含量不得超过 4%; 编号 76,84 中的铅(Pb)被欧盟 RoHS 指令 2011/65/EU 豁免, 相应豁免条文(请以英文原文为准) [ANNEX III 7(a)]: 高熔点型焊料中的铅(如铅含量等于或大于 85%的铅基合金焊料); 编号 85 中的铅(Pb)被欧盟 RoHS 指令 2011/65/EU 豁免, 相应豁免条文(请以英文原文为准) [ANNEX III 7(c)-II]: 电子电气元件中玻璃或陶瓷材料(电容中陶瓷介质除外)所含的铅, 如压电设备、玻璃或陶瓷基复合元件。



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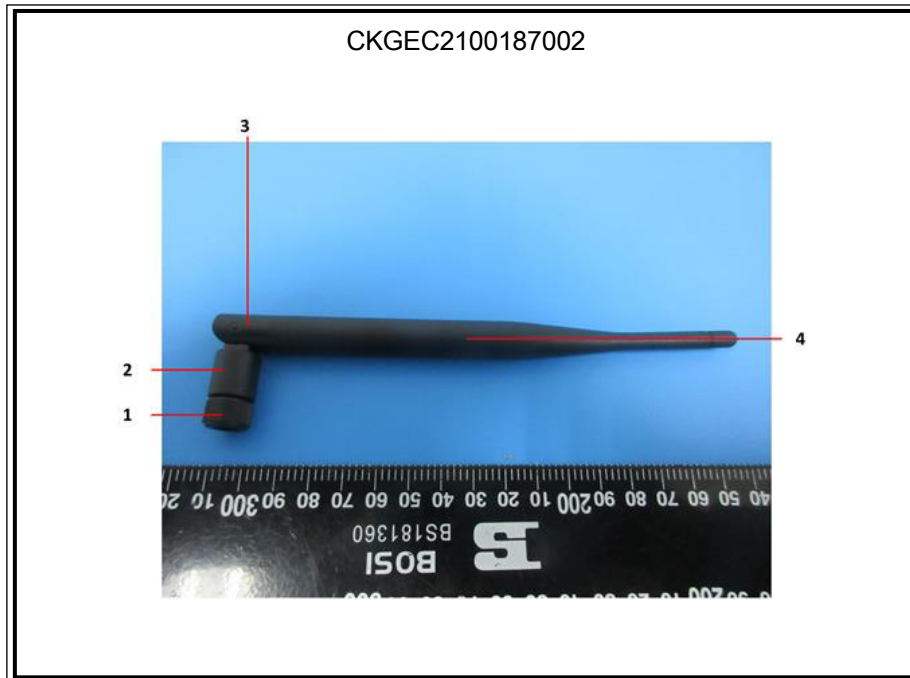
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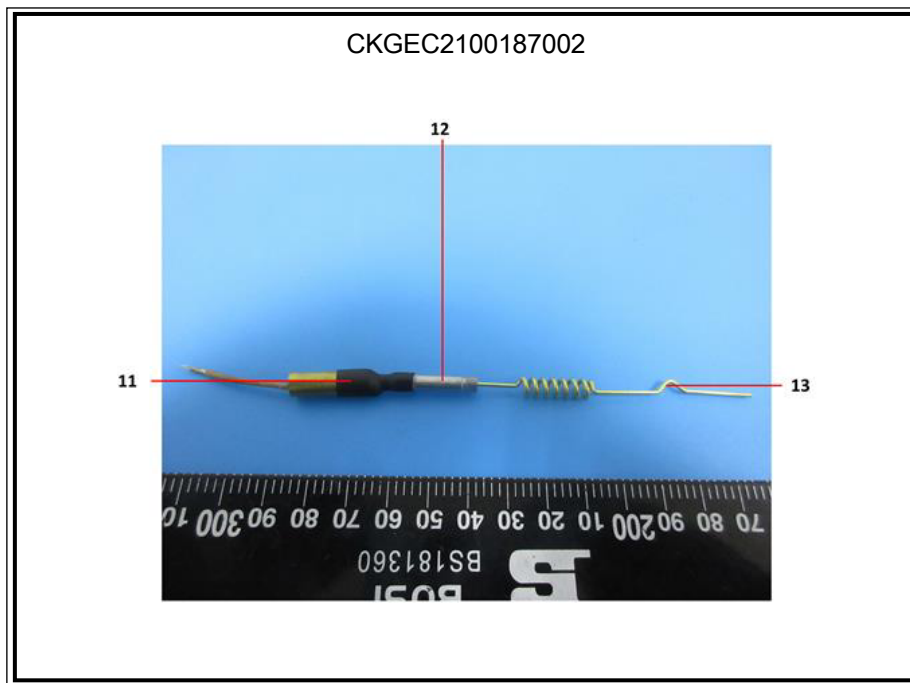
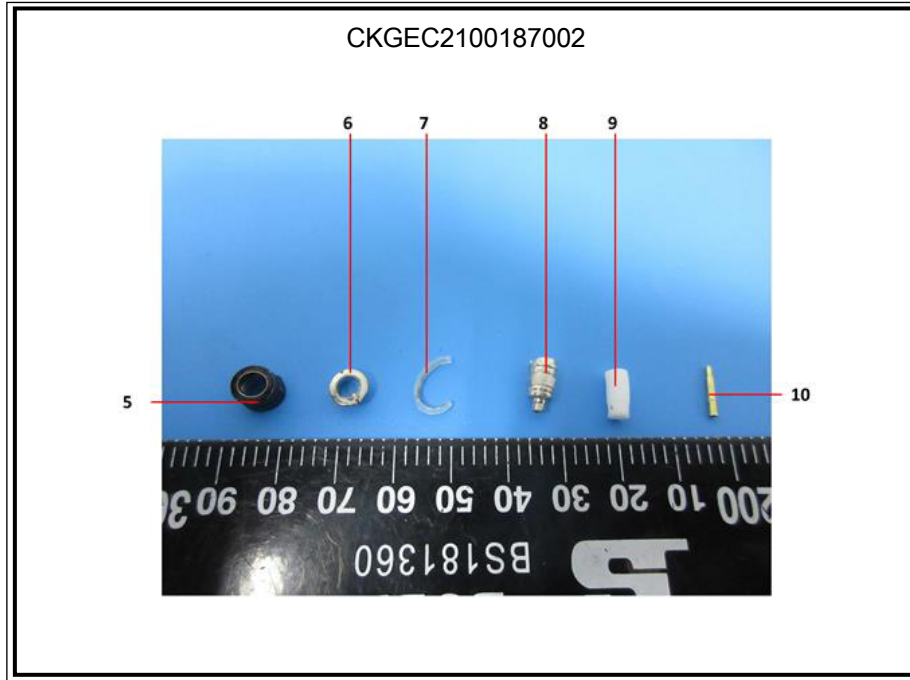
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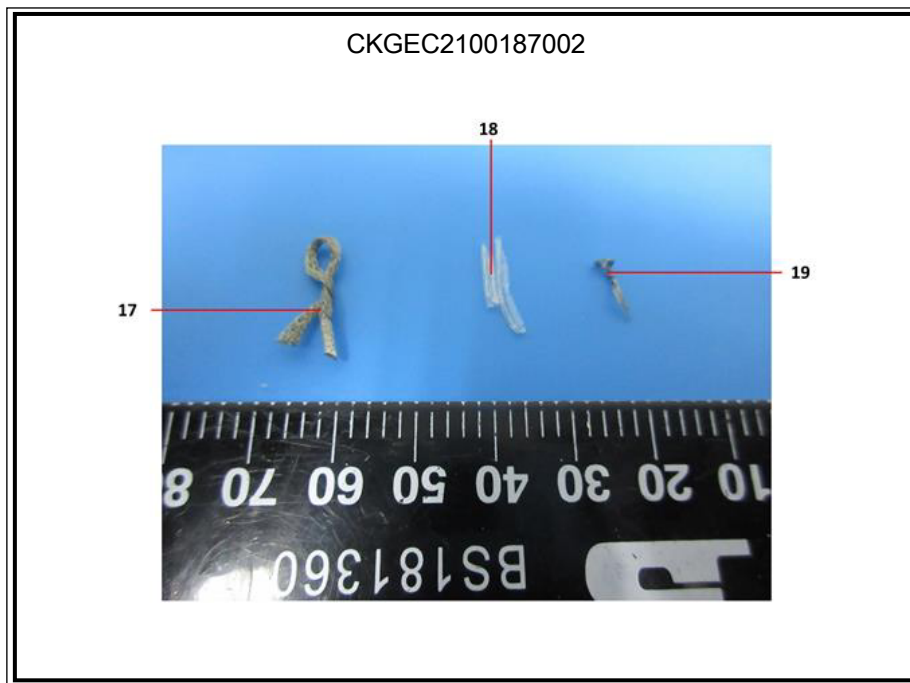
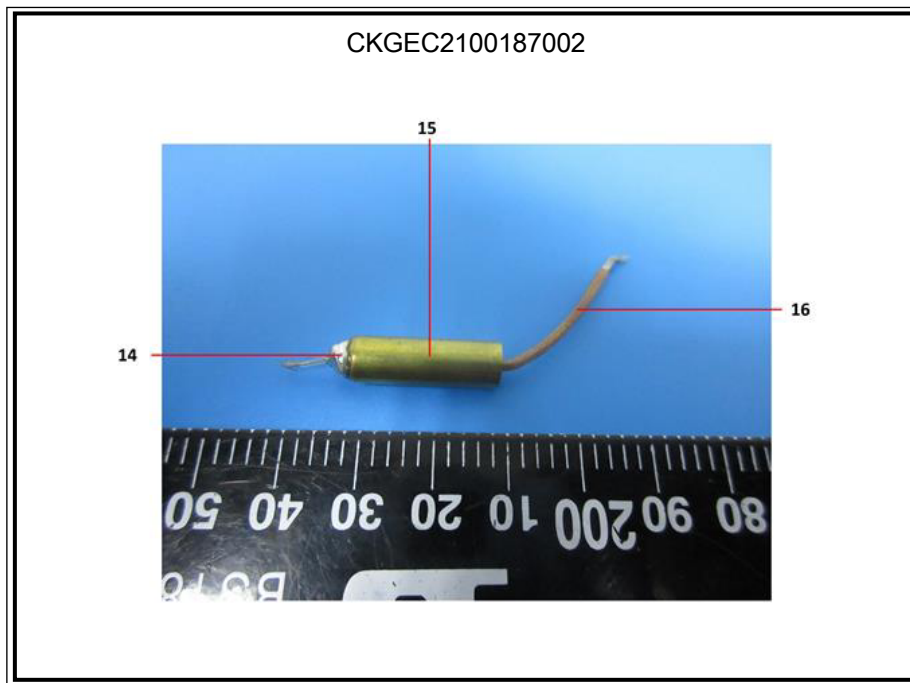
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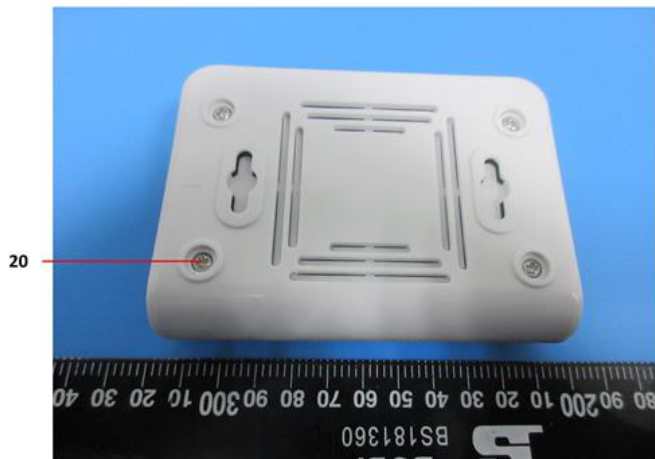
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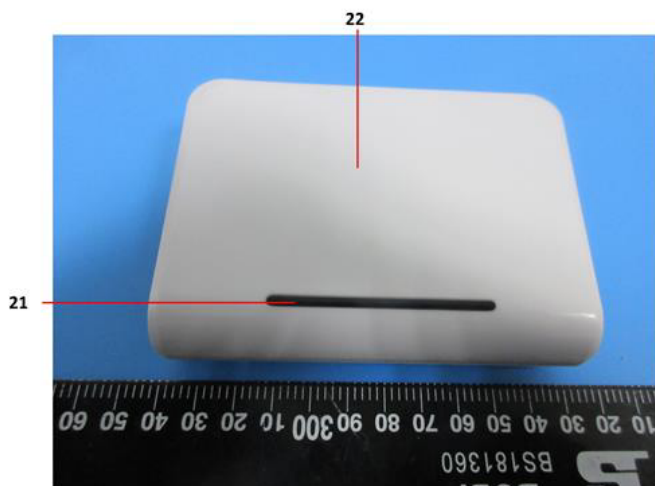
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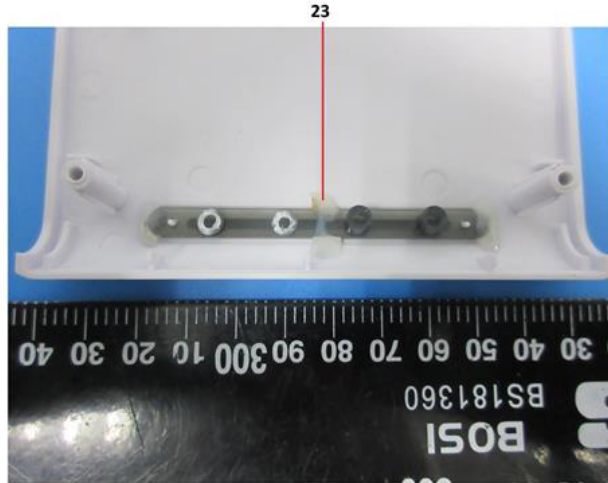
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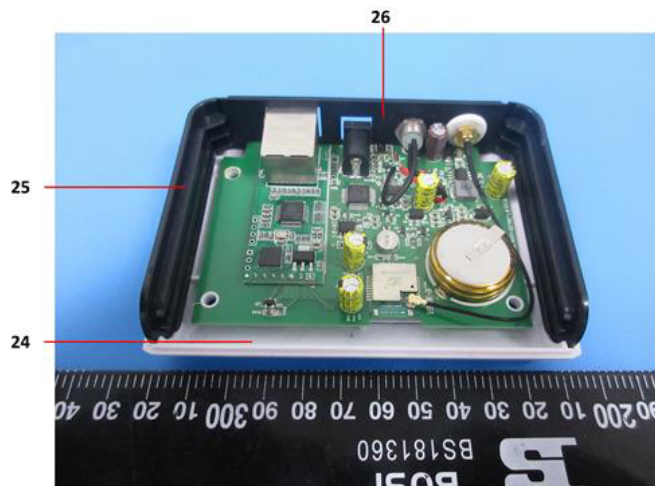


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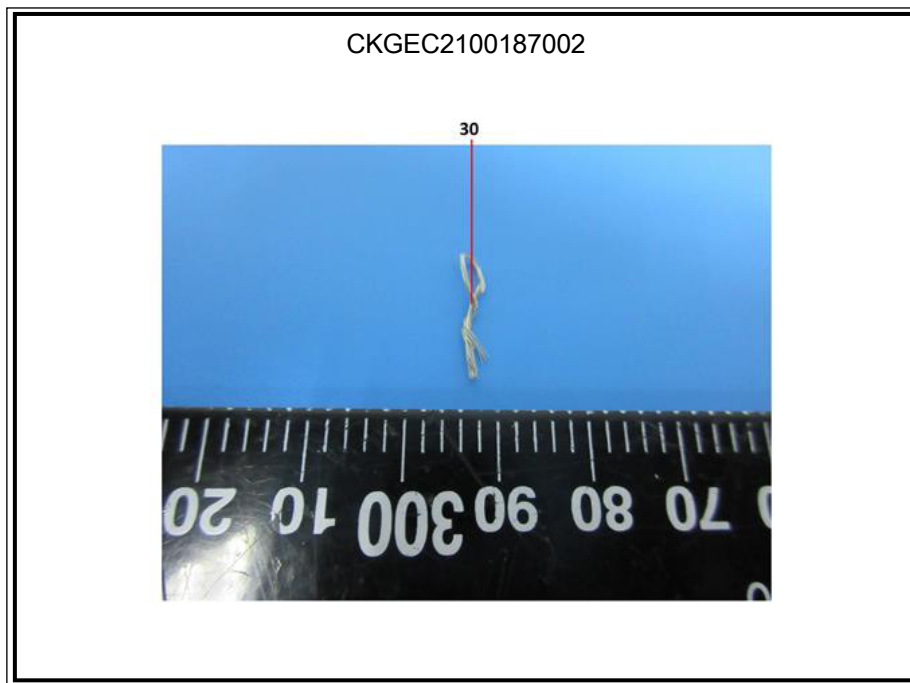
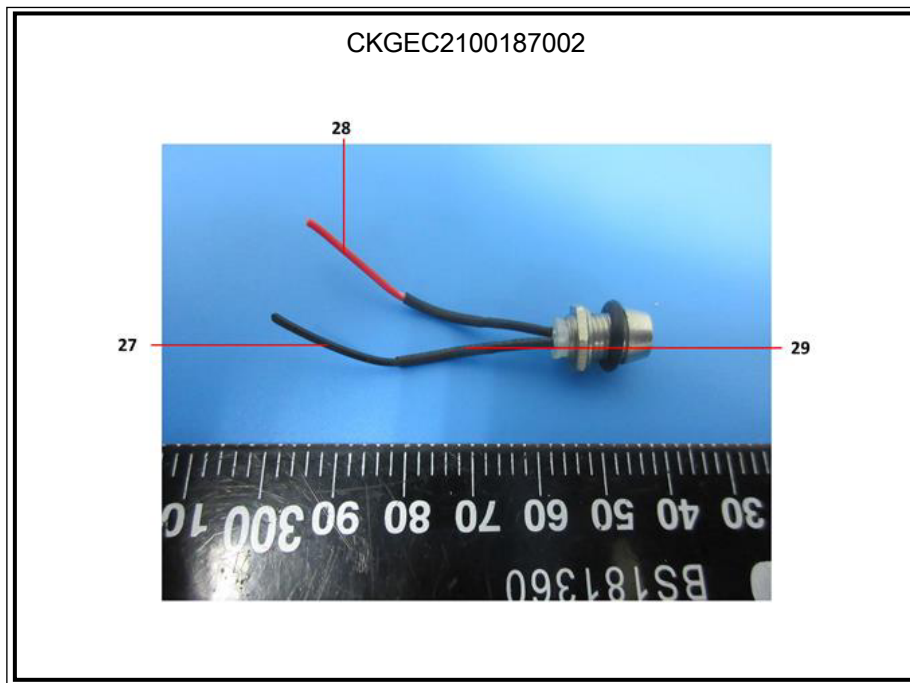
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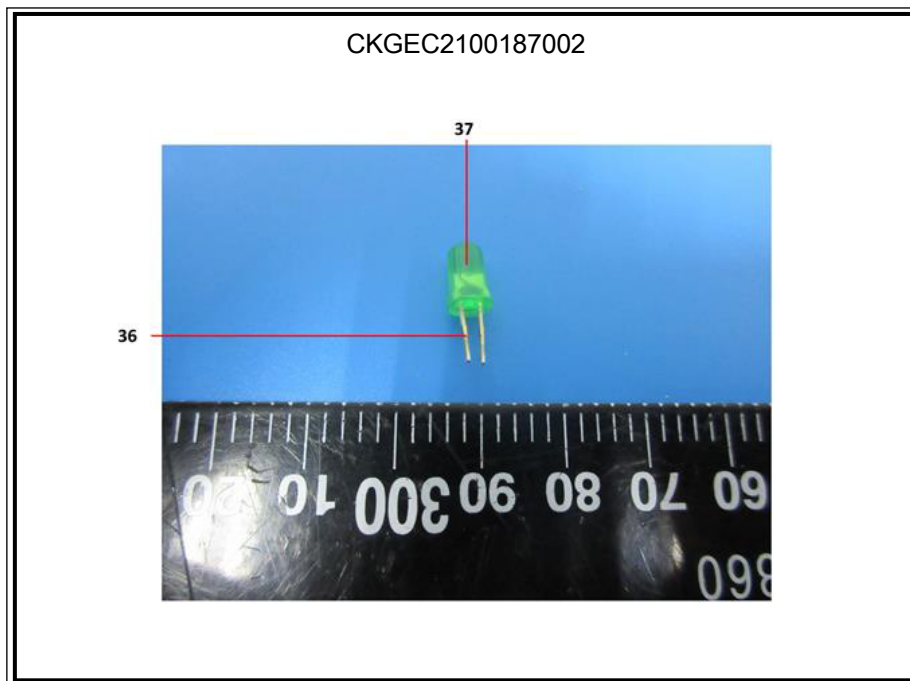
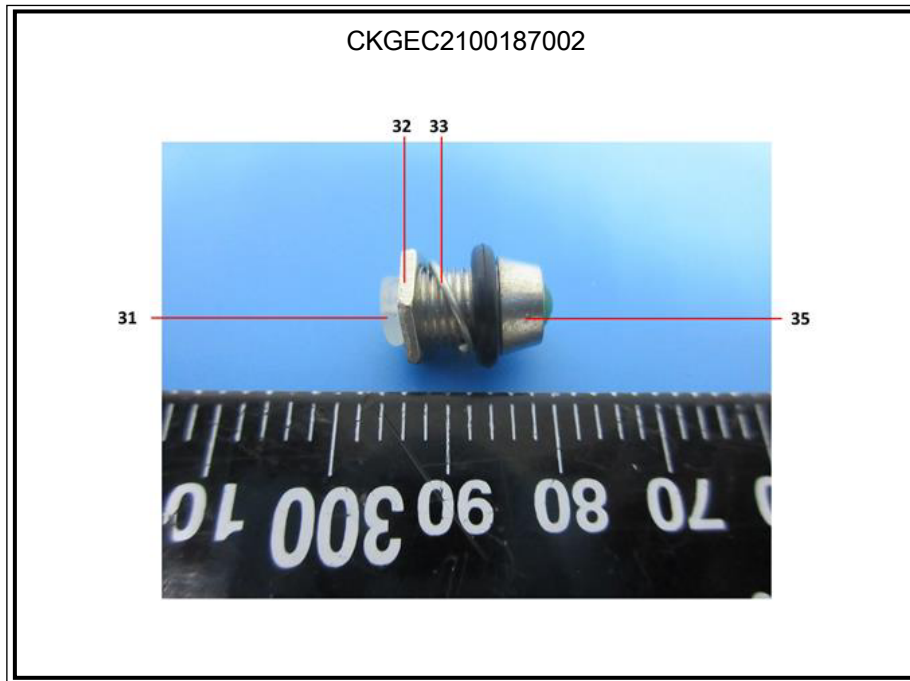
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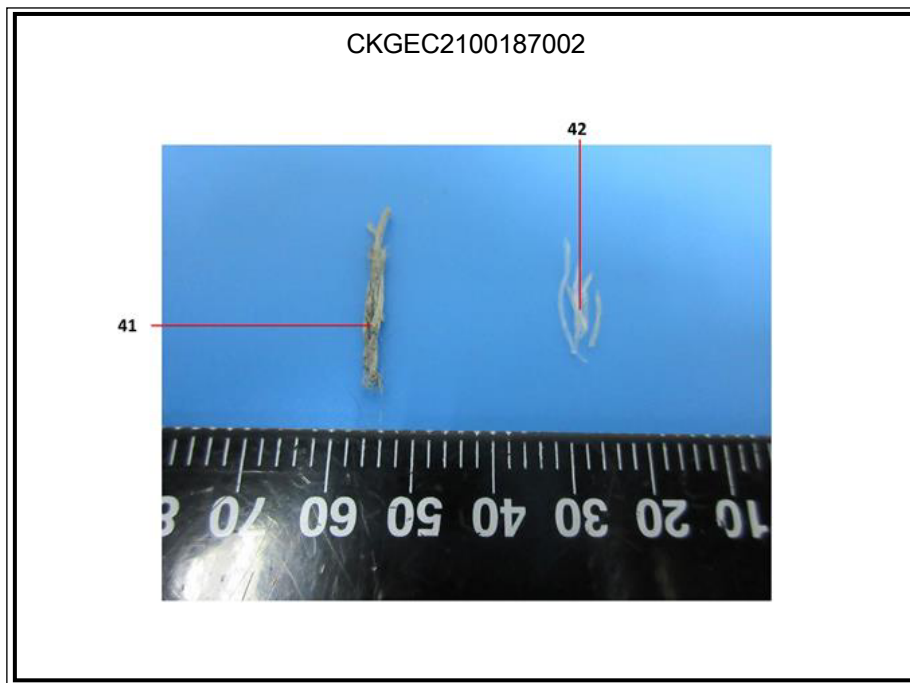
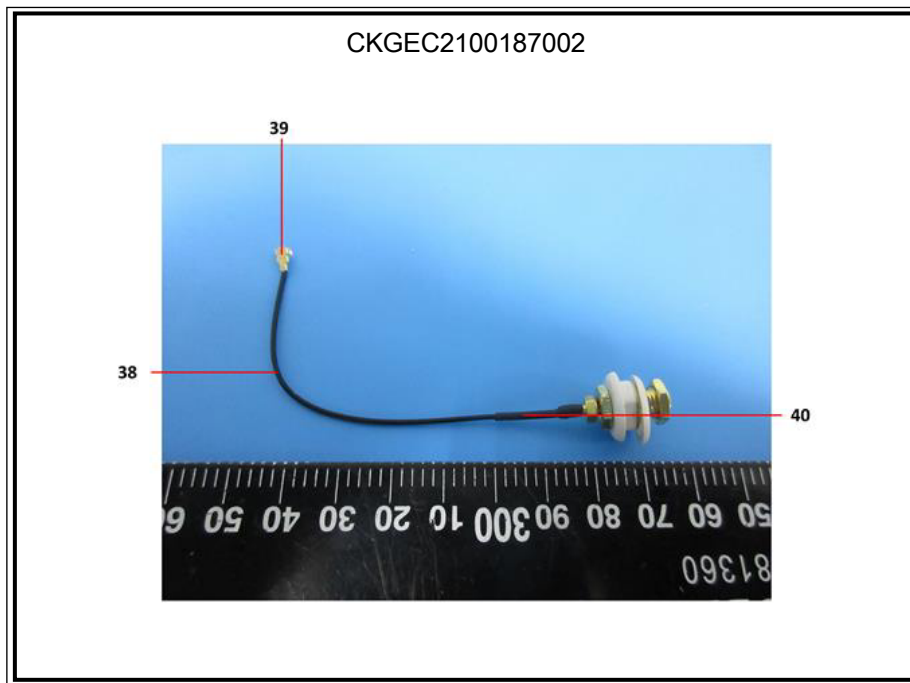
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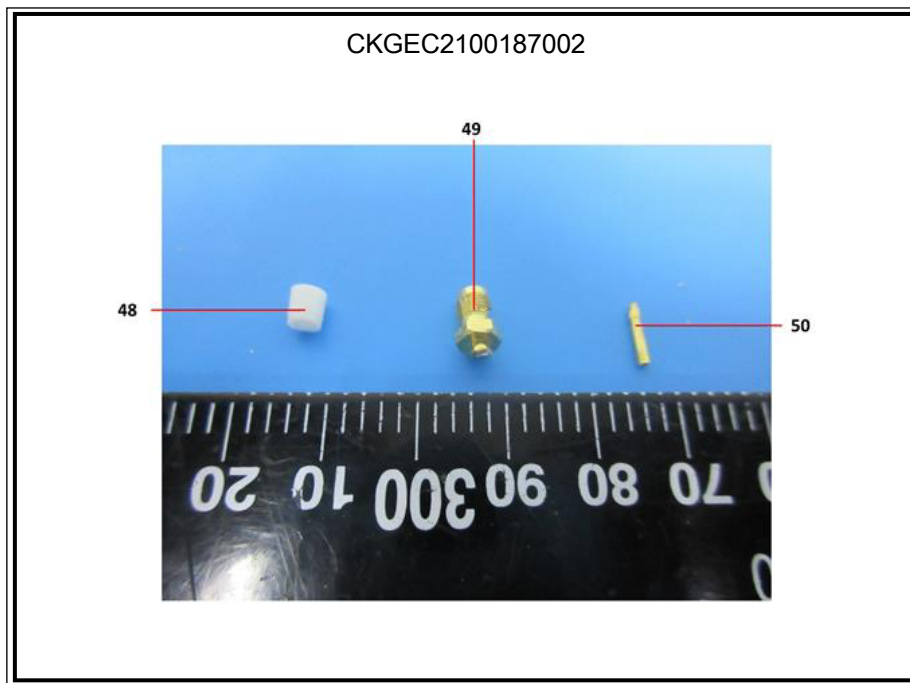
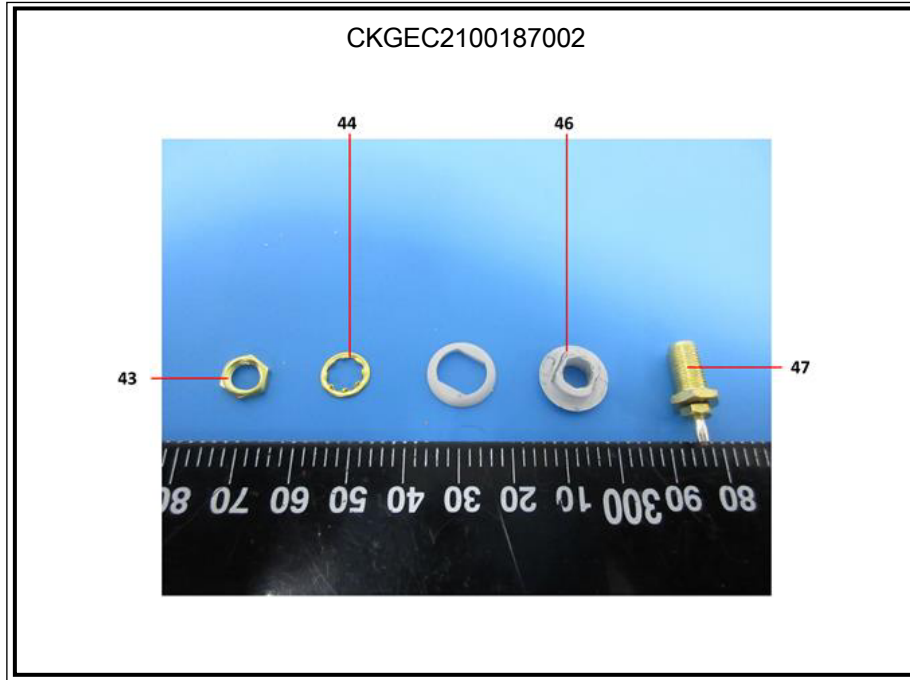
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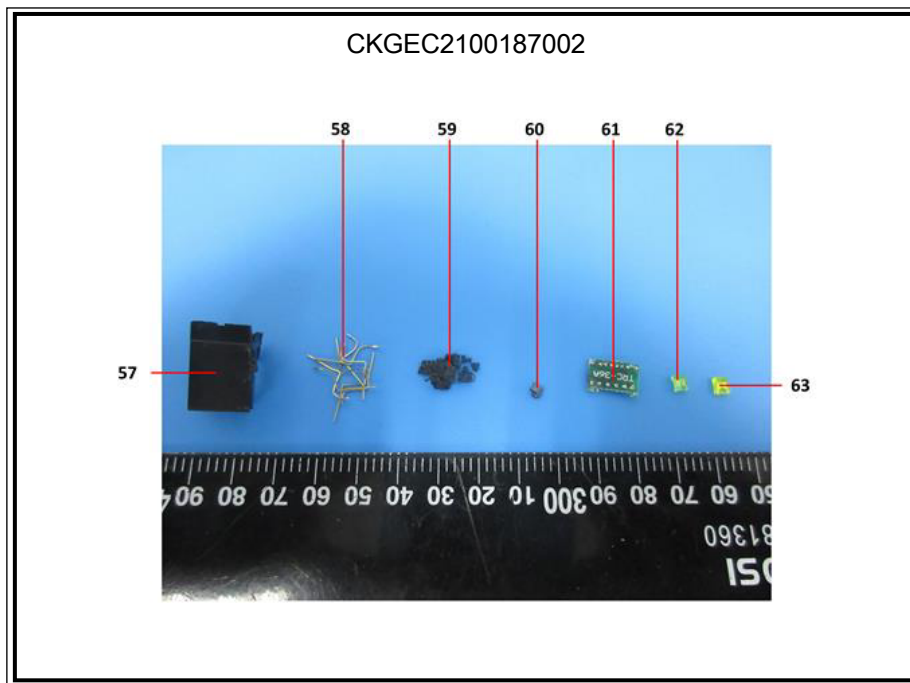
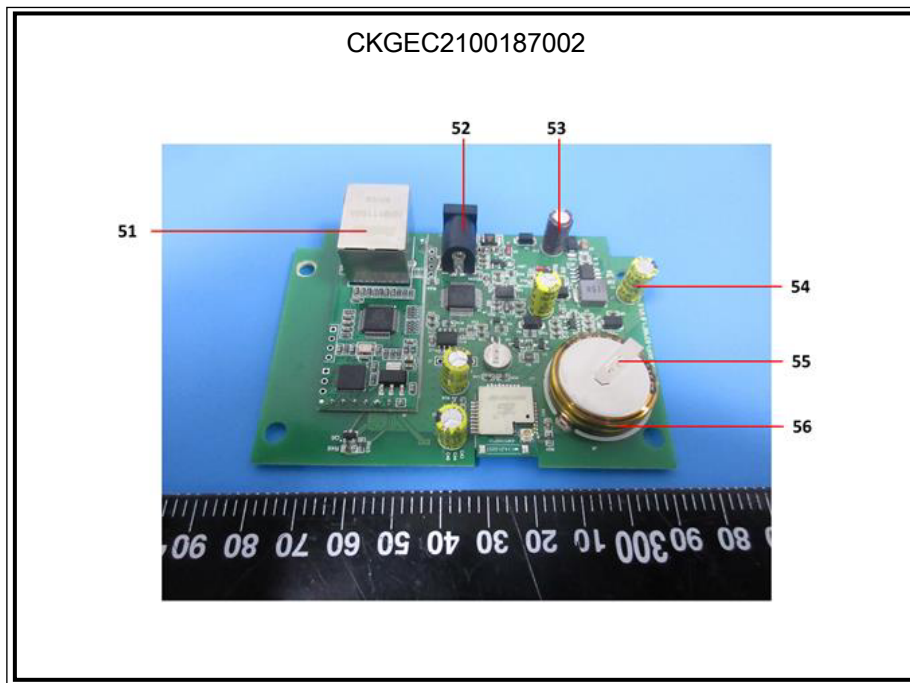
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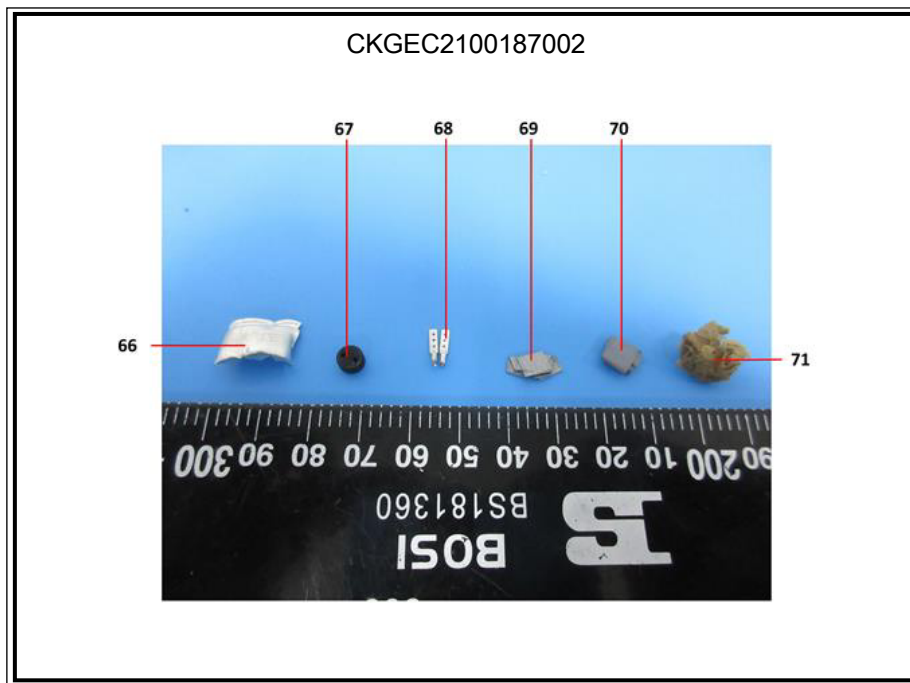
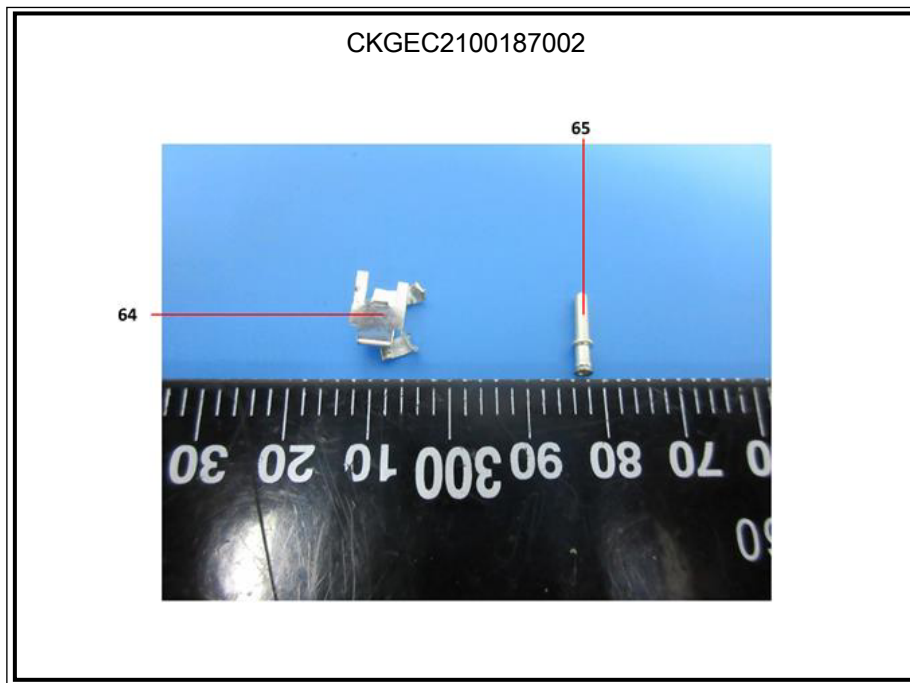
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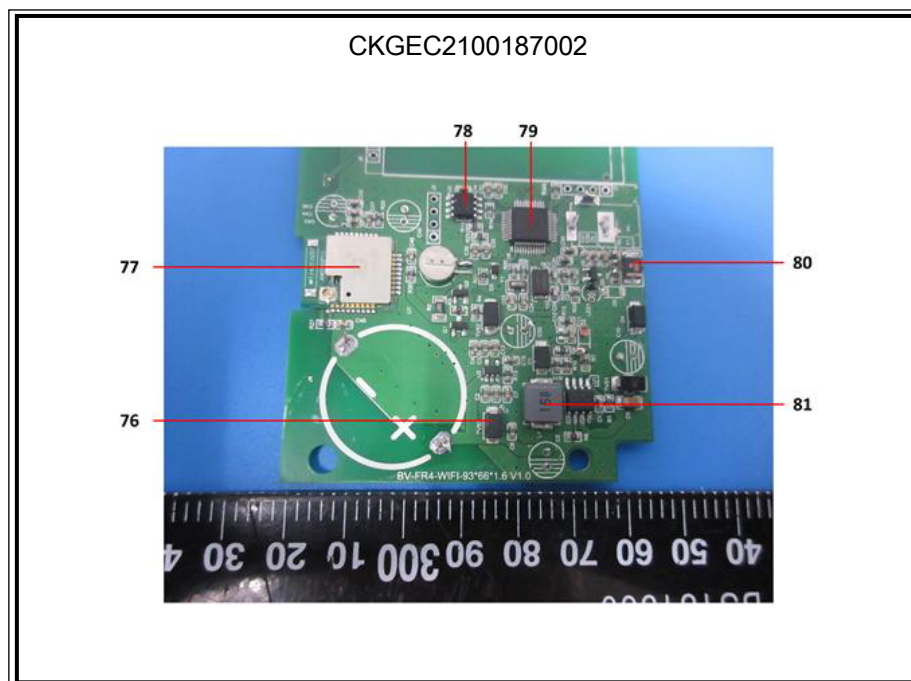
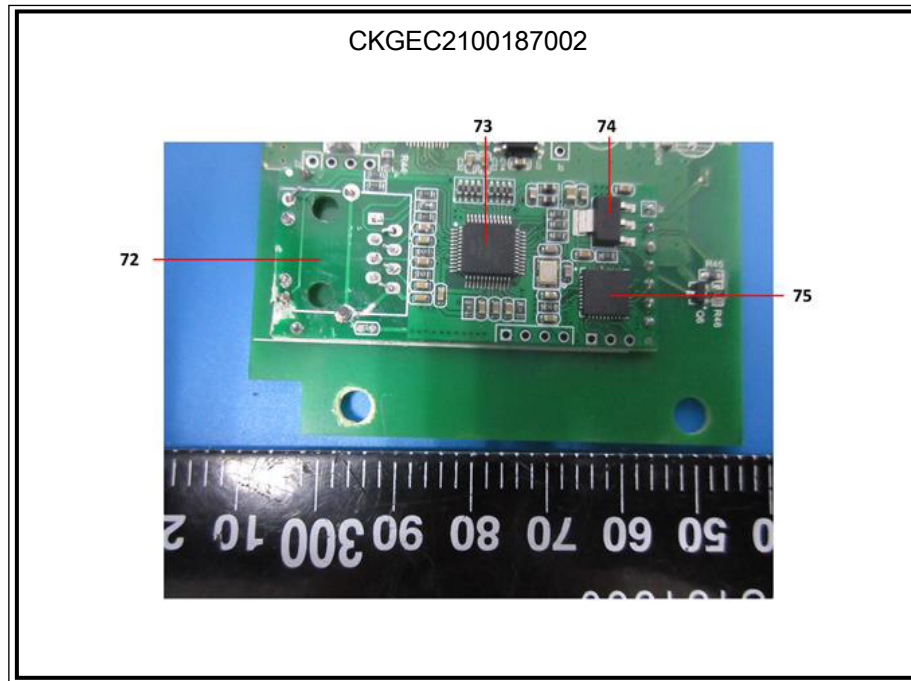
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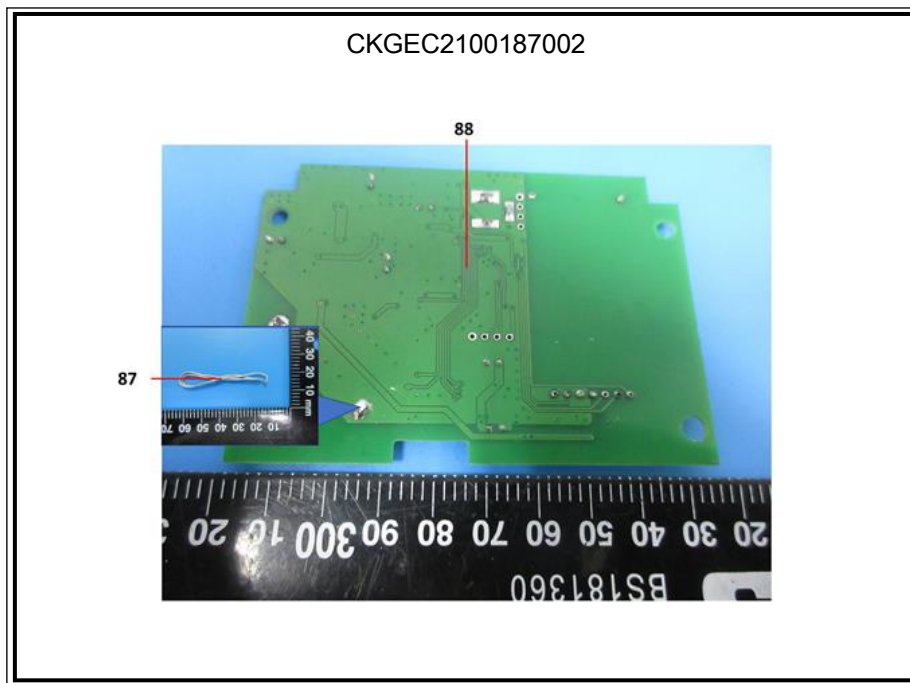
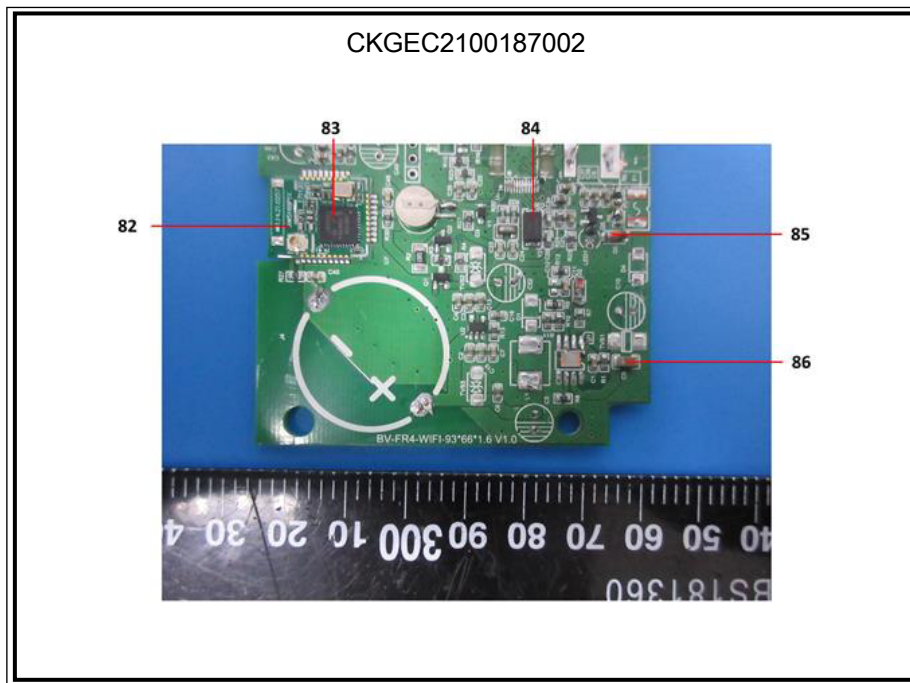
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