



检测报告

Test Report

报告编号 A2260201650102001E
Report No. A2260201650102001E

第 1 页 共 8 页
Page 1 of 8

报告抬头公司名称 东莞市高嘉精密电子有限公司
Company Name DONG GUAN GAOJIA PRECISION ELECTRONICS CO., LTD.
shown on Report
地 址 东莞市沙田镇沙田大道 263 号 3 单元 101 室
Address ROOM 101, UNIT 3, NO. 263 SHATIAN AVENUE, SHATIAN TOWN, DONGGUAN

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称 端子
Sample Name Terminal
材料名称 Phosphor bronze
Material Phosphor bronze
样品接收日期 2026.03.19
Sample Received Date Mar. 19, 2026
样品检测日期 2026.03.19-2026.03.24
Testing Period Mar. 19, 2026 to Mar. 24, 2026

检测要求 根据客户要求, 参照法规(EC) No 1907/2006(REACH), 对所提交样品中 73 种高关注物质(SVHC)进行筛选测试。
Test Requested As specified by client, to screen the 73 substances of very high concern (SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

检测依据/检测结果 请参见下页。
Test Method/Test Result(s) Please refer to the following page(s).

摘要	根据分析结果, 所提交样品中 SVHC 浓度 \leq 0.1% (w/w)。	通过
Summary	According to the analytical results, concentrations of SVHC are \leq 0.1% (w/w) in the submitted sample(s).	PASS

批 准
Approved by

日 期
Date

2026.03.24

文利

授权签字人 Lab Authorized
Signatory

No. R179751898

广东省深圳市宝安区新安街道兴东社区华测检测大楼



华测检测认证集团股份有限公司
Centre Testing International Group Co., Ltd.
Inspection & Testing Services
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

检测报告

Test Report

报告编号 A2260201650102001E
Report No. A2260201650102001E

第 2 页 共 8 页
Page 2 of 8

检测结果 Test Result(s)

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	浓度 Concentration (%)	RL (%)
				001	
-	-	所有 SVHC 物质 (见候选清单) All tested SVHC (See the candidate list)	-	N.D.	-

检测依据 Test Method:

参考 US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, EN 14582:2016 进行样品预处理。

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, EN 14582:2016 for sample pretreatment.

采用 ICP-OES, UV-Vis, PLM, SEM 及 IC 分析。

Analyzed by ICP-OES, UV-Vis, PLM, SEM and IC.

样品/部位描述 Sample/Part Description

序号 No.	CTI 样品 ID CTI Sample ID	描述 Description
1	001	混测, 3 种有银色镀层的金属 Mixed test, 3 kinds of metal with silvery plating

检测报告

Test Report

报告编号 A2260201650102001E
Report No. A2260201650102001E

第 3 页 共 8 页
Page 3 of 8

备注 Remark:

1. 结果仅显示检出的 SVHC, 低于 RL 的 SVHC 没有列出。所有测试的 SVHC 见下页的 SVHC 候选清单。
The table of tested result(s) only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the Candidate List of SVHC on next pages.
2. w/w % = 重量百分比 weight by weight; 0.1% = 1000mg/kg = 1000ppm
3. N.D. = 未检出 Not Detected (< RL)
4. RL = 报告检出限 Report Limit (当浓度值 \geq RL 时显示数据。RL 不同于法规限值。Concentration value will be shown if it \geq RL. RL is not regulatory limit.)
5. *:该物质的浓度值是由物质中的特征元素测试结果换算而来。Concentration value of the substance by the conversion from the test results of certain elements.
6. **:在化学物质及其混合物的分类, 标记与包装法规, 即 CLP 法规(法规(EC)No 1272/2008)的附录 VI 中, 索引号 650-017-00-8 适用于所有的耐火陶瓷纤维材料。All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
7. ***:C.I.:颜料索引号 Colour Index
8. *****:四硼酸钠, 无水和四硼酸钠, 水合物的浓度均由四硼酸钠浓度表示, 没有考虑结晶水。过硼酸钠, 水合物; 过硼酸钠盐和过硼酸钠, 无水的浓度均由过硼酸钠浓度表示, 没有考虑结晶水。Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
9. ^①:由于这些物质是 UVCB 物质(未知成分或可变成成分的, 复杂反应物或生物材料的物质), 由各种不同的成分组成, 所以这些物质的测试结果是由选定的具有代表性的物质的主要组成成分的测试结果换算而来的。当其测试结果 \geq 0.1% w/w 时, 对于该物质是否存在于样品中需核查相应物料的 SDS 或向供应商进行确认。In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking SDS or requesting from suppliers.
10. ^②:由于此物质含有多种物质, 测试结果是基于此物质中最具有代表性的主要组成化合物的含量, 其主要组成化合物的测试结果是基于特征元素的浓度换算而来。
In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
11. 根据客户要求, 对样品进行混合测试, 测试结果不代表混合测试样品中任何一种单一材质的含量。
As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

注释 Note:

本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

检测报告

Test Report

报告编号 A2260201650102001E
Report No. A2260201650102001E

第 4 页 共 8 页
Page 4 of 8

SVHC 候选清单 Candidate List of SVHC

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
I	1	二氯化钴 Cobalt dichloride*	7646-79-9	0.01
I	2	五氧化二砷 Diarsenic pentaoxide*	1303-28-2	0.01
I	3	三氧化二砷 Diarsenic trioxide*	1327-53-3	0.01
I	4	重铬酸钠 Sodium dichromate*	7789-12-0 10588-01-9	0.01
I	5	砷酸氢铅 Lead hydrogen arsenate*	7784-40-9	0.01
I	6	三乙基砷酸酯 Triethyl arsenate*	15606-95-8	0.01
II	7	②铬酸铅 Lead chromate	7758-97-6	0.01
II	8	②钼铬红(C.I.颜料红 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	0.01
II	9	②铅铬黄(C.I.颜料黄 34) Lead sulfochromate yellow(C.I. Pigment Yellow 34)***	1344-37-2	0.01
III	10	硼酸 Boric acid*	10043-35-3 11113-50-1	0.01
III	11	④四硼酸钠, 无水 Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	0.01
III	12	④四硼酸钠, 水合物 Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	0.01
III	13	铬酸钠 Sodium chromate*	7775-11-3	0.01
III	14	铬酸钾 Potassium chromate*	7789-00-6	0.01
III	15	重铬酸铵 Ammonium dichromate*	7789-09-5	0.01
III	16	重铬酸钾 Potassium dichromate*	7778-50-9	0.01
IV	17	硫酸钴 Cobalt(II) sulphate*	10124-43-3	0.01
IV	18	硝酸钴 Cobalt(II) dinitrate*	10141-05-6	0.01
IV	19	碳酸钴 Cobalt(II) carbonate*	513-79-1	0.01
IV	20	醋酸钴 Cobalt(II) diacetate*	71-48-7	0.01
IV	21	三氧化铬 Chromium trioxide*	1333-82-0	0.01
IV	22	①铬酸及其低聚物、重铬酸及其低聚物 Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.01
V	23	铬酸锶 Strontium chromate*	7789-06-2	0.01
VI	24	铬酸铬 Dichromium tris(chromate)*	24613-89-6	0.01
VI	25	氢氧化铬酸锌钾 Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.01
VI	26	氢氧化铬酸锌 Pentazinc chromate octahydroxide*	49663-84-5	0.01
VI	27	②硅酸铝耐火陶瓷纤维 Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	0.01
VI	28	②氧化锆硅酸铝耐火陶瓷纤维 Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	0.01
VI	29	砷酸 Arsenic acid*	7778-39-4	0.01
VI	30	砷酸钙 Calcium arsenate*	7778-44-1	0.01
VI	31	砷酸铅 Trilead diarsenate*	3687-31-8	0.01
VI	32	叠氮化铅 Lead diazide, Lead azide*	13424-46-9	0.01
VI	33	2,4,6-三硝基间苯二酚铅(别名: 收敛酸铅) Lead styphnate*	15245-44-0	0.01

检测报告

Test Report

报告编号 A2260201650102001E
Report No. A2260201650102001E

第 5 页 共 8 页
Page 5 of 8

批次 Batch	序号 No.	物质名称 Substance Name(s)	CAS 号 CAS No.	RL (%)
VI	34	苦味酸铅 Lead dipicrate*	6477-64-1	0.01
VII	35	三氧化二硼 Diboron trioxide*	1303-86-2	0.01
VII	36	甲基磺酸铅 Lead(II) bis(methanesulfonate)*	17570-76-2	0.01
VIII	37	氧化铅与硫酸铅的复合物 Pentalead tetraoxide sulphate*	12065-90-6	0.01
VIII	38	双(十八烷基)二氧化三铅 Dioxobis(stearato)trilead*	12578-12-0	0.01
VIII	39	硝酸铅 Lead dinitrate*	10099-74-8	0.01
VIII	40	三碱式硫酸铅 Tetralead trioxide sulphate*	12202-17-4	0.01
VIII	41	氧化铅 Lead monoxide (lead oxide)*	1317-36-8	0.01
VIII	42	钛酸铅 Lead titanium trioxide*	12060-00-3	0.01
VIII	43	碱式乙酸铅 Acetic acid, lead salt, basic*	51404-69-4	0.01
VIII	44	颜料黄 41 Pyrochlore, antimony lead yellow*	8012-00-8	0.01
VIII	45	四乙基铅 Tetraethyllead*	78-00-2	0.01
VIII	46	二盐基邻苯二甲酸铅[Phthalato(2-)]dioxotrilead*	69011-06-9	0.01
VIII	47	氨基氰铅盐 Lead cyanamidate*	20837-86-9	0.01
VIII	48	掺杂铅的硅酸钡 Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	0.01
VIII	49	磷酸氧化铅 Trilead dioxide phosphonate*	12141-20-7	0.01
VIII	50	钛酸铅锆 Lead titanium zirconium oxide*	12626-81-2	0.01
VIII	51	碱式碳酸铅 Trilead bis(carbonate)dihydroxide*	1319-46-6	0.01
VIII	52	C16-18-脂肪酸铅盐 Fatty acids, C16-18, lead salts*	91031-62-8	0.01
VIII	53	四氧化三铅 Orange lead (lead tetroxide)*	1314-41-6	0.01
VIII	54	二碱式亚硫酸铅(II) Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01
VIII	55	碱式硫酸铅 Lead oxide sulfate*	12036-76-9	0.01
VIII	56	四氟硼酸铅 Lead bis(tetrafluoroborate)*	13814-96-5	0.01
VIII	57	硅酸铅 Silicic acid, lead salt*	11120-22-2	0.01
IX	58	镉 Cadmium	7440-43-9	0.01
IX	59	氧化镉 Cadmium oxide*	1306-19-0	0.01
X	60	硫化镉 Cadmium sulphide*	1306-23-6	0.01
X	61	醋酸铅(II) Lead di(acetate)*	301-04-2	0.01
XI	62	氯化镉 Cadmium chloride *	10108-64-2	0.01
XI	63	过硼酸钠, 水合物; 过硼酸钠盐 Sodium perborate; perboric acid, sodium salt *****	15120-21-5 11138-47-9	0.01
XI	64	过硼酸钠, 无水 Sodium peroxometaborate *****	7632-04-4	0.01
XII	65	氟化镉 Cadmium fluoride*	7790-79-6	0.01
XII	66	硫酸镉 Cadmium sulphate*	10124-36-4 31119-53-6	0.01
XVIII	67	硝酸镉 Cadmium nitrate*	10325-94-7	0.01
XVIII	68	碳酸镉 Cadmium carbonate*	513-78-0	0.01
XVIII	69	氢氧化镉 Cadmium hydroxide*	21041-95-2	0.01
XIX	70	铅 Lead	7439-92-1	0.01
XIX	71	八硼酸二钠 Disodium octaborate*	12008-41-2	0.01
XXV	72	硼酸钠盐 Orthoboric acid, sodium salt *	13840-56-7	0.01
XXVIII	73	偏硼酸钡 Barium diboron tetraoxide*	13701-59-2	0.01

检测报告

Test Report

报告编号 A2260201650102001E
Report No. A2260201650102001E

第 6 页 共 8 页
Page 6 of 8

REACH 法规义务 REACH Regulation obligation:

1. 根据欧盟 REACH 法规（编号 1907/2006）第 7（2）条款之规定物品类产品如果含有候选列表上的高度关注物质且满足如下两个条件，物品的供应方需根据第 7（4）条款的规定向欧洲化学品管理局进行通报：
 - (a) 物品中该高度关注物质制造或进口到欧盟的总量超过 1 吨/每年/每制造商或进口商；
 - (b) 高度关注物质在物品中的含量超过 0.1% (w/w)。

In accordance with Article 7(2) of the EU REACH Regulation (No. 1907/2006), any producer or importer of articles shall notify the European Chemicals Agency as stipulated in Article 7(4), if an article contains a substance from the Candidate List of Substances of Very High Concern (SVHCs) and both the following conditions are met:

- (a) the substance is present in those articles in quantities totalling over one tonne per producer or importer per year;
- (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).

2. 根据欧盟 REACH 法规（编号 1907/2006）第 33 条款之规定，物品类产品如果含有候选列表上的高度关注物质且在物品中的含量超过 0.1% (w/w)时，物品供应方需履行相关信息传递义务：

Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of EU REACH Regulation (No. 1907/2006).

- 1) 物品供应方应提供给接收方关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
- 2) 应消费者请求，物品供应方应在 45 天内免费提供关于产品的足够信息以确保物品的安全使用，至少需提供所含高度关注物质的名称。On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.

3. 根据欧盟 REACH 法规（编号 1907/2006）第 31 条款及附件 II 之规定，提供物质及混合物的供应方向接收方免费提供安全数据表(SDS)。

- 1) 根据欧盟 CLP 法规（编号 1272/2008）被分类为有害的物质或混合物；
- 2) 根据 REACH 法规附件 XIII 被归为 PBT 或 vPvB 的物质；
- 3) 根据 REACH 法规第 59（1）条款被纳入高度关注物质列表上的物质；
- 4) 根据 CLP 法规（编号 1272/2008）未被分类为有害的混合物，但包括：
 - (a) 至少一种对人类健康或环境有害的物质，在非气体混合物中包含单个浓度 $\geq 1\%$ (w/w)或在气体混合物中包含单个浓度 $\geq 0.2\%$ (v/v)；
 - (b) 至少一种属于高度关注物质，在非气体混合物中包括单个浓度 $\geq 0.1\%$ (w/w)；
 - (c) 超出欧盟工作场所暴露极限的物质。

In accordance with Article 31 of the EU REACH Regulation (No. 1907/2006), the supplier of a substance or a mixture shall provide the recipient of the substance or mixture with a safety data sheet (SDS) for free compiled in accordance with Annex II of REACH.

- 1) where a substance or mixture meets the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008; or
- 2) where a substance is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII; or
- 3) where a substance is included in the list established in accordance with Article 59(1) for reasons other than those referred to in points (a) and (b);
- 4) the supplier shall provide the recipient at his request with a safety data sheet (SDS) compiled in accordance with Annex II, where a mixture does not meet the criteria for classification as hazardous in accordance

检测报告 Test Report

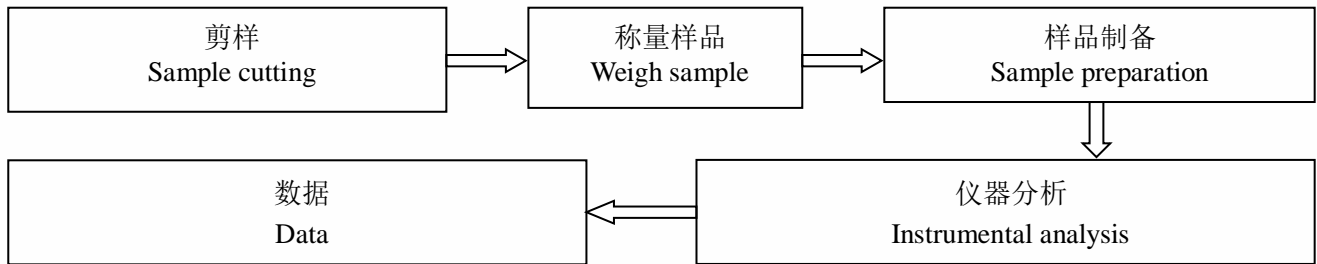
报告编号 A2260201650102001E
Report No. A2260201650102001E

第 7 页 共 8 页
Page 7 of 8

with Titles I and II of Regulation (EC) No 1272/2008, but contains:

- (a) in an individual concentration of $\geq 1\%$ by weight for non-gaseous mixtures and $\geq 0.2\%$ by volume for gaseous mixtures at least one substance posing human health or environmental hazards; or
 - (b) in an individual concentration of $\geq 0.1\%$ by weight for non-gaseous mixtures at least one substance that has been included in the Candidate List of Substances of Very High Concern (SVHCs); or
 - (c) a substance for which there are Community workplace exposure limits.
4. 自 2021 年 1 月 5 日，投放欧盟市场的含有高度关注物质 (SVHCs) 含量超过 0.1 % (w/w) 的物品公司，需依据废弃物框架指令（编号 2008/98）向欧洲化学品管理局提交相关信息到 SCIP 数据库。
Companies supplying articles containing Substances of Very High Concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market have to submit information on these articles to ECHA in accordance with Waste Framework Directive (WFD) (No 2008/98, as from 5 January 2021).

检测流程 Test Process



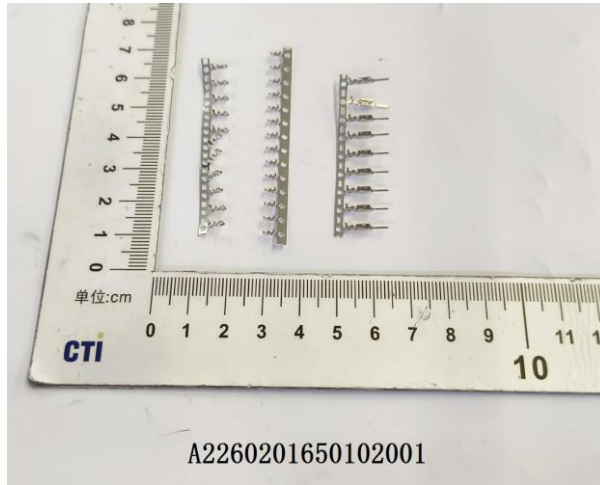
检测报告 Test Report

报告编号 A2260201650102001E
Report No. A2260201650102001E

第 8 页 共 8 页
Page 8 of 8

样品图片

Photo(s) of the sample(s)



声明 Statement:

1. 本报告无批准人签字、“专用章”及报告骑缝章无效;
This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI 未核实其真实性;
The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对受测样品负责;
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 除非另有说明, 报告参照 ILAC-G8:09/2019 / CNAS-GL015:2022 使用简单接受 (w=0) 二元判定规则进行符合性判定;
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. 未经 CTI 书面同意, 不得部分复制本报告;
Without written approval of CTI, this report can't be reproduced except in full;
6. 如报告中的英文内容与中文内容有差异, 以中文为准。
In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

*** 报告结束 ***
*** End of Report ***

附录 Appendix

客户参考信息 Client Reference Information

产品系列					
A0080 线到板系列	A2001 线到板系列	A3961 线到板系列	B0001-B0004 端到板系列	C1251 线到线系列	RNB 穿线系列
A1001 线到板系列	A2002 线到板系列	A4201 线到板系列	B0005-B0007 端到板系列	C2000 线到线系列	/
A1201 线到板系列	A2003 线到板系列	A4501 线到板系列	B1001 端到板系列	C2001 线到线系列	/
A1002 线到板系列	A2004 线到板系列	/	B1251 端到板系列	C2002 线到线系列	/
A1003 线到板系列	A2005 线到板系列	/	B1601 端到板系列	C2003 线到线系列	/
A1004 线到板系列	A2007 线到板系列	/	B1801 端到板系列	C2004 线到线系列	/
A1005 线到板系列	A2008 线到板系列	/	B2001 端到板系列	C2005 线到线系列	/
A1006 线到板系列	A2500 线到板系列	/	B2501 端到板系列	C2006 线到线系列	/
A1251 线到板系列	A2501 线到板系列	/	/	C2007 线到线系列	/
A1252 线到板系列	A2502 线到板系列	/	/	C2501 线到线系列	/
A1253 线到板系列	A2541 线到板系列	/	/	C2542 线到线系列	/
A1254 线到板系列	A2542 线到板系列	/	/	C4201 线到线系列	/
A1501 线到板系列	A2543 线到板系列	/	/	C4851 线到线系列	/
A1502 线到板系列	/	/	/	C6201 线到线系列	/
A1503 线到板系列	/	/	/	/	/
1#产品信息					
端子 (Terminal)					
A0080TF A1001TF A1201TF A1002TM A1003TF A1004TF A1005TF A1006TF A1006TM A1251TF A1252TM A1253TF A1254TM A1501TF A1502TF A1503TF A2001TF A2002TF A2003TF A2004TF A2005TF A2007TF A2007TM A2008TF A2008TM A2500TM A2501TF A2501TF A2502TF A2502TM A2541TF A2542TF A2543TF A3961TF A4201TF A4501TF B0001TW B0002TW B0003TW B0004TW B0005TS B0006TS B0007TS B1001TV B1251TR B1251TV					

B1601TV B1801TV B2001TR B2001TV B2001TV-短款 B2501TR B2501TV
C1251TM C2001TM C2002TM C2003TM C2004TM C2005TF C2005TM C2006TF-PTS C2006TM-PTS
C2007TF-PTS C2007TM-PTS C2501TF C2501TM C2542TM C2542TF C4201TM C4851TF C4851TM C6201TF
C6201TM
S0001TC S0002TC S0003TC S0004TC S0005TC S0006TC S0007TC S0008TC S0009TC S0010TC

客户参考图片（非测试样品） Client Reference Photo (Non-tested sample)



声明 Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性。
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The Appendix Information is/are the supplement(s) for the Report A2260201650102001E.