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| --- | --- | --- | --- | --- | --- |
| 文件编号 | |  | 密 级 |  | |
| 文件类型 | |  | 作 者 | 金益彬 | |
| 项目代码 | |  | 适用范围 |  | |
| **物料编码规则** | | | | | |
| 关联文档 | | | | | |
| **文件编号** | **文件名称** | | | | **版本** |
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**修订记录**

| **版本** | **修订内容说明** | **修订人** | **修订日期** |
| --- | --- | --- | --- |
| 1.0 | 新建 | 金益彬 | 2015/4/18 |
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# 物料编码组成

物料编码由15位字符组成，包括类型段（字段1）和属性段（字段2-7）。不同的类型，其属性段又细分为多个子属性段。



类型段为2位英文字符，类型段编号命名如下：

|  |  |
| --- | --- |
| 类型编号 | 说明 |
| CN | Connector连接器 |
| CB | Cable 线缆 |
| CA | Cable Assembly 成品线缆组件 |
| RF | 射频物料： 天线，功放等 |
| EM | Electromechanical机电产品，包括电机、继电器、接触器、开关、风扇、保温箱等 |
| SC | Semiconductor 半导体产品，包括元器件、传感器、电源模块、功率模块、射频模块等 |
| TM |  |
| BT | Battery 电池 |
| PB | PCB 电路板光板 |
| PA | PCBA 电路板成品 |
| TL | Tools 工具 |
| HC | 耗材：胶带，胶水，螺丝等 |
| SH | 外壳钣金件 |
|  |  |
|  |  |

物料分为原料、成品等类型。对于成品类型，属性段6和7分别代表加工时间和序号，例如：

EM-JS-0506-20-01-20200605-01表示在20年6月5号将原始减速器EM-JS-0506-20-01加工为01号可装配减速器（例如进行了更换油脂操作）。

# 半导体物料编码分类

## CAP-电容



电容类型：CX

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 电容类型 | 陶瓷电容 | 铝电解 | 固态电容 | 钽电容 | 薄膜电容 |
| 段值 | CC | CA | CP | CT | CF |

容值段3位数字表示电容值

其他段用来表示相同容值及额定电压物料的属性差异，如封装，精度，工作温度等。段值随意设定

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 额定电压 | 6.3V | 10V | 16V | 25V | 50V |
| 段值 | 06 | 10 | 16 | 25 | 50 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 封装 | 0402 | 0603 | 0805 | 1206 | 1210 | 1812 | 2220 |
| 段值 | 00 | 01 | 02 | 03 | 04 | 05 | 06 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 封装 | 7343 | 10.3X10.3 | 6.3X6.3 |  |  |  |  |
| 段值 | 73 | 10 | 63 |  |  |  |  |

## RES-电阻



类型：RX

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 电阻类型 | 通用电阻 | 电阻排 | 高压电阻 | 测流电阻 |  |
| 段值 | R0 | RP | RH | RS |  |

阻值段3位数字表示电阻值

其他段用来表示相同阻值及额定功率物料的属性差异，如封装，精度，工作温度等。段值随意设定

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 精度 | 5% | 1% | 0.5% | 0．1% |  |  |  |
| 段值 | 50 | 10 | 05 | 01 |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 封装 | 0402 | 0603 | 0805 | 1206 | 1210 | 1812 | 2220 |
| 段值 | 00 | 01 | 02 | 03 | 04 | 05 | 06 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 封装 | 2818 | 5931 | 3921 | 2512 | 2010 |  |  |
| 段值 | 07 | 08 | 09 | 10 | 11 |  |  |

## IND&EMI-电感磁珠



类型：L0—电感 FB—磁珠

字段3为磁珠的电感值为

字段4为额定电流等参数

字段5为封装

## PassiveOthers-其他无源器件



字段2类型：

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 类型 | 二极管/LED/TVS | 三极管/MOS | 开关 | 保险丝 | 变压器 | 其他 |
| 值 | D0 | Q0 | S0 | F0 | T0 | OT |

编号从0001开始，依次递增；

其他属性用以区别相同类型下的不同物料

## 芯片类型

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 字段2 | AD/DA | 模拟IC | CPU/PLD | 存储IC | 电源IC | 接口IC |
| 值 | US | UA | UM | UR | UP | UI |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 字段2 | 时钟IC | 其他 |  |  |  |  |
| 值 | UC | UL |  |  |  |  |

# 连接器物料编码



字段2：WW-线到线连接器 WB-线到板连接器 MH-夹具固定类 BB-板到板

SP-焊接螺柱 RF-射频连接器

对于航插按照以下定义：

HT-航插插头 HZ-航插插座 HW-航插尾件

字段4：连接器针脚数量

字段5：连接器针脚间距

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 字段5 | 1mm | 1.27mm/1.25mm | 2mm | 2.5mm | 2.54mm | 3.5mm | 5.0mm |
| 值 | 10 | 1X | 20 | 25 | 2X | 35 | 50 |

对于航插，字段5有特殊定义：

PB-航插PCB插座 FL-航插分离插座

字段3：连接器序号，同一对公母连接器使用相同的序号

# 线缆物料编码

# 线缆组件物料编码

# 射频物料编码



字段2为射频类型

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 射频类型 | 天线 | 功放 | 通信模块 |  |  |
| 段值 | TX | GF | MK |  |  |

字段3为对应的射频类型（字段2）参数，例如0900即为900MHz

# 机电产品物料编码



字段2为机电产品类型：

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 类型 | 减速器 | 电机 | 旋转变压器 | 风扇 | 散热片 | 加热片 | 舵机 |
| 段值 | JS | DJ | XB | FS | SR | JR | SF |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 类型 | 保温箱 |  |  |  |  |  |  |
| 段值 | WX |  |  |  |  |  |  |

# 电池物料编码

# 电路板物料编码

# 工具物料编码