

产品描述: TR6.3×0.8F 旗形快速接插器

Product Description:TR6.3×0.8F Flag Type Receptacle

目录

INDEX

1. 更改履历 Change History
2. 范围 Scope
3. 产品描述 Product Description
4. 相关标准 Related Standards
5. 参数范围 Parameter Ratings
6. 产品性能 Performance
7. 测试分组 Test Sequences

 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.	制定 Edit: 杨培 2019.01.23	产品名称 Product Name: TR6.3×0.8F
	审核 Check: 王国英 2019.01.23	编号 Document No.: PS3888
中国·浙江省乐清市虹桥镇幸福东路 1098 号 合兴工业园 1098,Xingfu `Road(East),CWB Industrial Zone,Hongqiao,Yueqing,Zhejiang 325608,China Tel: 86-577-61313157 Fax: 86-577-62313682	批准 Approval: 刘冬旭 2019.01.23	版本 REVISION: 4



产品规格书

PRODUCT SPECIFICATION

1.更改履历 Change History

序号 No.:	版本号 Version No.	更改前描述 Description Before Modification	更改后描述 Description After Modification	日期 Date
1	1	旧版规格书 PS0231/PS3821	新版规格书 PS3888	2016.04.22
2	2	产品标准老旧	版本更新	2017.01.17
3	3	额定电流: 7A	按对应导线设定额定电流	2018.03.15
4	4	/	更改图纸商标 LOGO	2019.01.23
5				
6				
7				

产品名称 Product Name:	TR6.3×0.8 F	编号 Document No.	PS3888	版本号 VersionNo.	4
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2 适用范围 Scope

本产品规格书适用于浙江合兴电子元件有限公司生产的 TR6.3 系列快速接插器和护套，产品名称：TR6.3×0.8F&TR6.3×0.8F 护套。

This product specification covers the requirements for Receptacle Terminal, which is designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: TR6.3×0.8F & TR6.3×0.8F Jacket.

3.产品描述 Product Description

TR6.3F 系列产品为家电连接器产品，产品部件组成如下：

TR6.3F series of products for electrical products, product components are as follows:

Name	Part name	Notes
端子 Flag Type Receptacle	TR6.3×0.8F	Brass, Tin over nickel plated
护套 Jacket	TR6.3×0.8F Jacket	PA66, UL94V-0 , UL94V-2

4.相关标准 Related Standards

以下参考文件是本规格书的一个组成部份。若本规格书中的要求与产品图纸发生冲突，则产品图中的要求为优先；若本规格书中的要求与参考文件中的要求冲突，则本规格书为优先。

The following documents form a part of this specification. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

GB/T 2421	电工电子产品环境试验 第一部分 总则 Testing Method for Environmental of Electrical Connectors Class 1: General Principles
GB/T 2423	电工电子产品环境试验方法 Testing Method for Environmental of Electrical Connectors
GB/T 2424	电工电子产品环境试验导则 Testing Method for Environmental of Electrical Connectors
GB/T 5095	电子设备用机电元件基本试验规程及测量方法 Testing procedure/Method for components of electric equipment

产品符合合兴企标 Q/HX J1150001 《产品及其所用材料的环保要求》 I 类或顾客要求。

The connector should comply with CWB standard Q/HX J1150001-2010 Class I or customer's requests.

产品名称 Product Name:	TR6.3×0.8 F	编号 Document No.	PS3888	版本号 VersionNo.	4
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5. 参数范围 Parameter Ratings:

额定电流 Rated Current	AWG 18# 7A	AWG 16# 10A	AWG 14# 15A
额定电压 Rated Voltage	250V [AC(有效值 rms)/DC]		
使用温度范围 Operating temperature range	-25°C ~ +85°C (含温度上升)		
适用线型 Applicable wires	Wire Size: AWG 18~AWG 14 (0.82 mm ² -2.08 mm ²) Insulation Diameter: 2.05mm-2.75mm		

6. 产品性能 Performance

6.1 机械性能 Mechanical

序号 No.	项目 Item	测试条件 Test Condition	规格 Requirement		
6.1.1	外观 Appearance	目测 Checking by eye 视力: 1.0 以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.1 Method 1a	1 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2 金属件表面无锈蚀、氧化、无明显的机械损伤等缺陷。		
6.1.2	插入力与拔出力 Insertion and Withdrawal Force	固定插片(6.3×0.8)和测力计, 在连接器轴线方向插入和拔出; 速度25±3mm/min. Apply Axial insert and withdraw on the tab in the receptacle at a rate of 25±3 mm/ min. GB/T 5095.8 Method 15d / EIA-364-29B	首次插入力 (First Insertion Force) Max	首次拔出力 (First Withdrawal Force) Min	六次拔出力 (6th Withdrawal Force) Min
			55N	8N	6.5N
6.1.3	压着部位抗张强度 Crimping Pull Out Force	在试验装置夹头中固定试验样品, 在连接的轴线方向施加张力, 速度25±3mm/min; Fix the crimped terminal, Axial pull out force on the receptacle in the wire at a rate less than 25±3 mm/ min. GB/T5095.8 Method 16d / EIA-364-08B	AWG 18#: 89N Min. AWG 16#: 133.5N Min. AWG 14#: 222.5N Min.		
产品名称 Product Name:	TR6.3×0.8 F	编号 Document No.	PS3888	版本号 VersionNo.	4



产品规格书

PRODUCT SPECIFICATION

6.2 电气性能 Electrical

6.2.1	接触电阻 Low Level Contact Resistance	<p>插入 6.3×0.8 插片,用小功率电路进行测试 Insert and withdraw standard tab (6.3×0.8) and measure by dry circuit.</p> <p>GB/T 5095.2 Method 2a / EIA-364-23B</p>	<p>0.01 Ω Max. (Initial) 0.02 Ω Max. (Final)</p>
6.2.2	绝缘电阻 Insulation Resistance	<p>在相邻接触件之间或地线之间,用 500V DC 电压进行测试。 Apply a voltage of 500 VDC between adjacent receptacle and between receptacle to ground.</p> <p>GB/T 5095.2 Method 3a / EIA-364-21C</p>	1000MΩ Min.
6.2.3	温升 Temperature Rise	<p>插合连接器, 通以最大允许电流, 测温度的差值 Mated connectors and measure the temperature rise of contact when the maximum AC rated current is passed.</p> <p>GB/T 5095.3 Method 5a / EIA-364-70A</p>	Δ30℃ Max.

6.3 环境性能 Environmental

序号 No.	项 目 Item	测试条件 Test Condition	规 格 Requirement
6.3.1	耐高温 Heat Resistance	<p>连接器配合后, 于 105±2℃ 的空气中放置 96 小时, 再回到室温中放置 1-2 小时测定 Mate connector exposed to the condition of 105±2℃ for 96 hours. Recovery time 1~2 hours</p> <p>GB/T 5095.6 Method 11i / EIA-364-17B</p>	<p>外观: 无损伤 (参照 6.1.1) Appearance: No Damage 接触电阻: 0.02Ω Max. Contact resistance: 0.02Ω Max.</p>
6.3.2	耐低温 Cold Resistance	<p>连接器配合后, 于 -40±2℃ 的空气中放置 96 小时, 再回到室温中放置 1-2 小时测定 Mate connector exposed to the condition of -40±2℃ for 96 hours. Recovery time 1~2 hours</p> <p>GB/T 5095.6 Method 11j / EIA-364-17B</p>	<p>外观: 无损伤 (参照 6.1.1) Appearance: No Damage 接触电阻: 0.02Ω Max. Contact resistance: 0.02Ω Max.</p>
6.3.3	盐雾 Salt Spray	<p>把试验样品从试验箱顶悬挂下来, 采用浓度为 (5±1)% (质量百分比) 的氯化钠溶液, 在 (35±2)℃ 温度下连续雾化 48h, 试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常湿条件下恢复 1~2h 48 hours spray, at temp 35+/-2℃, Salt NaCl mist (5±1)% After test wash parts and return to room ambient for 1~2 hours</p> <p>GB/T 5095.6 Method 11f / EIA-364-26B</p>	<p>外观: 无损伤(五金件应无露出底金属的严重锈蚀。) Appearance: No Damage (No erosion with material exposed.) 接触电阻: 0.02Ω Max. Contact resistance: 0.02Ω Max.</p>

产品名称 Product Name:	TR6.3×0.8 F	编号 Document No.	PS3888	版本号 VersionNo.	4
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产品规格书

PRODUCT SPECIFICATION

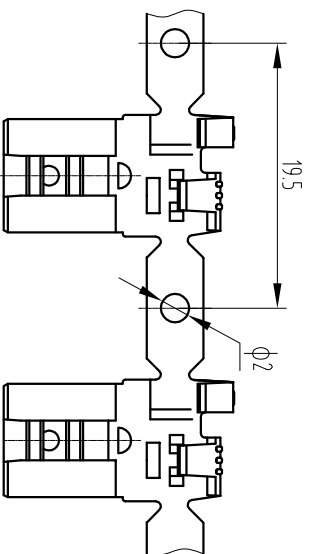
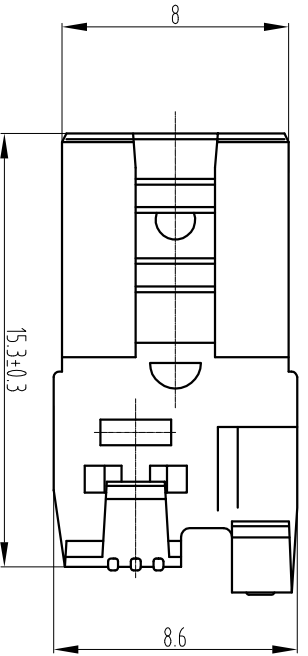
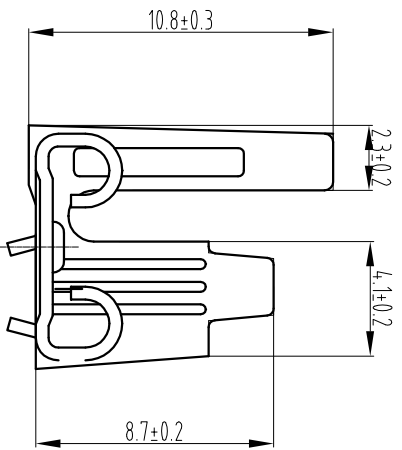
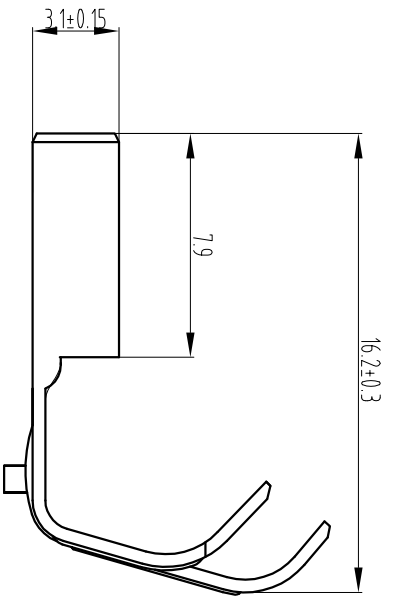
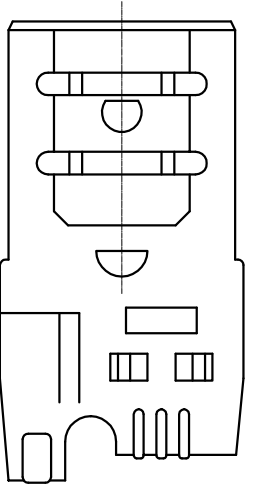
6.3.4	灼热丝 Glow wire (只针对 GWT750℃ 产品 only for GWT750℃ products)	750℃的灼热丝顶部接触试验样品, 接触时间: (30±1) s 接近和离开速率: 10mm/s~25mm/s 灼热丝进入或贯穿试验样品深度: (7±0.5) mm 750℃ glow wire contacts with mated connector, Time: (30±1) s Speed of closing to and leaving: 10mm/s~25mm/s Depth that glow wire penetrates mated connector: (7±0.5) mm GB/T 5169.10	1. 试验样品燃烧时间不超过2s。 The time that mated connector burns is not more than 2s. 2、灼热丝离开后的30s内样件无火焰或灼热情况, 且无滴落物或滴落物不燃烧。 30s after glow wire leaves mated connector, it does not burn or is no incandescence and it does not fall something or falling something does not burn.
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7.测试分组 Test Sequences (Samples: 5PCS)

测试组 GROUP NUMBER	A	B	C	D	E	F	G	H
外观 Appearance	1	1	1	1	1,5	1,5	1,5	1,3
插入力与拔出力 Insertion and Withdrawal Force	2							
压着部位抗张强度 Crimping Pull Out Force		2						
接触电阻 Low Level Contact Resistance					2,4	2,4	2,4	
绝缘电阻 Insulation Resistance			2					
温升 Temperature Rise				2				
耐高温 Heat Resistance					3			
耐低温 Cold Resistance						3		
盐雾 Salt Spray							3	
灼热丝 Glow wire								2

产品名称 Product Name:	TR6.3×0.8 F	编号 Document No.	PS3888	版本号 VersionNo.	4
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General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0~3	±0.13	1	H8	To update the content	Yang Pei	2019.07.23		
3~18	±0.16							
18~50	±0.31							
≥50	±0.55							



Contact View

1:2

Notes:

1. Material: Brass, Thickness=0.45mm;
2. Surface Finish: Tin over nickel plated;
3. Applicable Wires: AWG18~ AWG14;
4. Matched Jacket: TR6.3x0.8F Jacket;
5. Matched Tab: 6.3x0.8 Tab;
4. Compliant To The Current RoHS.

CUSTOMER DRAWING

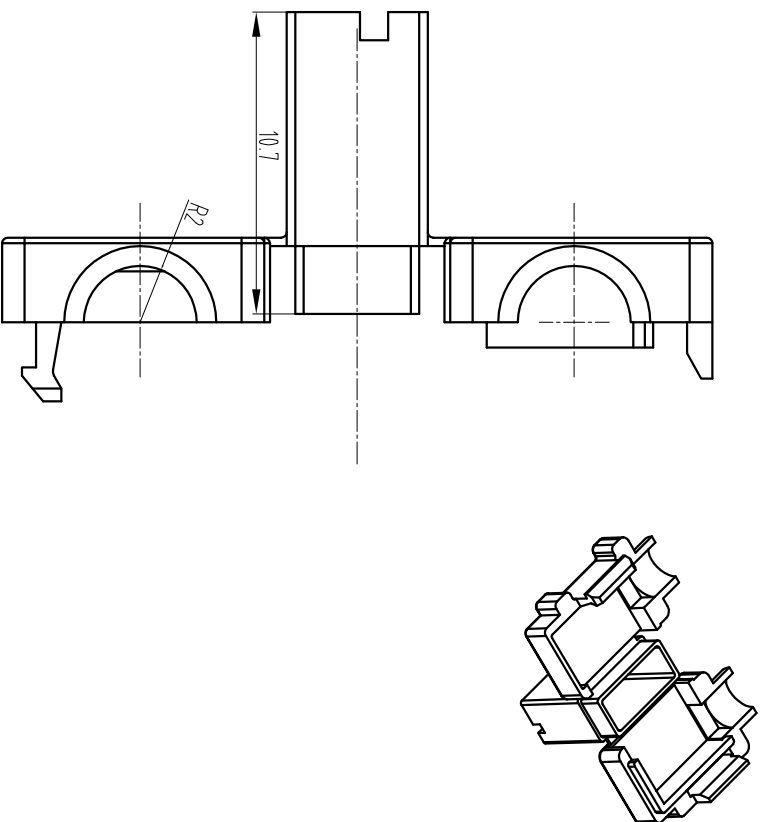
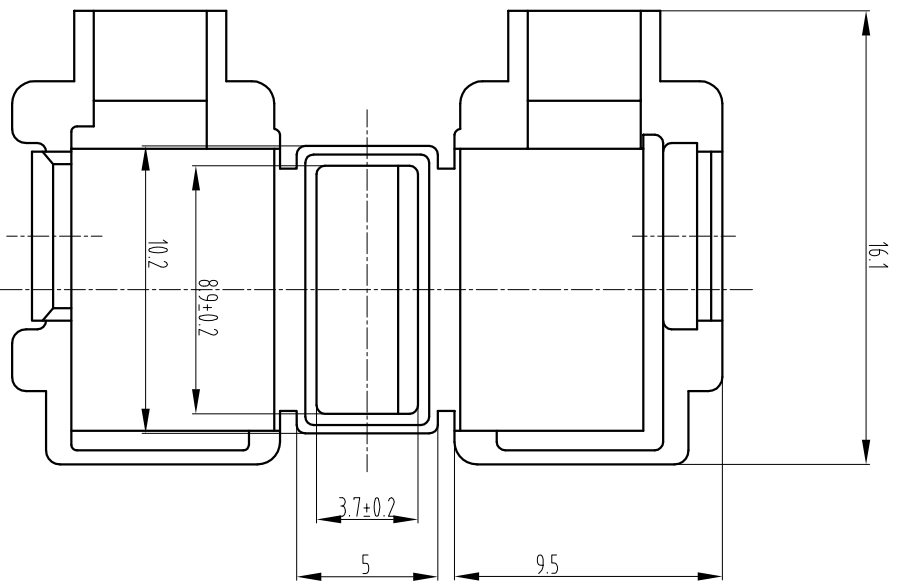
Title: 6.3x0.8 flug type receptacle

Drawn	Liam	2016.04.22	Unit	Scale	Size	Edition	Part No.:	
Checked	Guyong Wang	2016.04.22	mm	4:1	A4	B	TR6.3x0.8F	
Approved	Dongxu Wang	2016.04.22	Sheet No.	1 Of 1			Document No.: CP-DWG-00220	
							Specification No.:	PS3888



Document No.: CP-DWG-00220
Specification No.: PS3888


Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0~3	±0.13	1	H8	To update the content	Yang Pei	2019.01.23
3~18	±0.16					
18~50	±0.31					
≥50	±0.55					



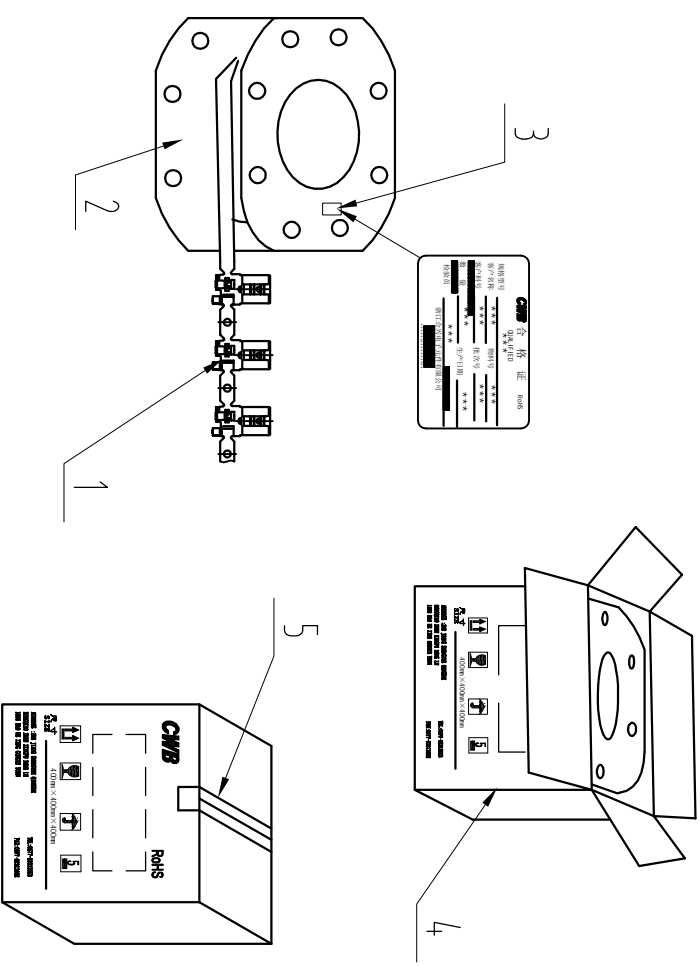
Notes:

- 1 Material: PA66 UL94 V-0, PA66 UL94 V-2
- 2 Matched Contact: 6.3x0.8 Flag Type receptacle;
- 3 Packaging: Packing bag;
- 4 Compliant To The Current RoHS.

CUSTOMER DRAWING

Drawn	LiWang 2016.04.22	Unit	mm	Scale	4:1	Size	A4	Edition	B	Title:	6.3x0.8 Flag Type Jacket
Checked	Guoying Wang 2016.04.22	Sheet No.	1 OF 1						Part No.:	TR6.3x0.8F Jacket	
Approved	Dongxuli Liu 2016.04.22	 GNB 冠北电子元件有限公司 <small>Guangdong GNB Electronic Components Co., Ltd.</small>		Document No.:	CP-DWG-00221	Specification No.:	PS3088				

Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0-3	+0.13	1	G10	change packing quantity	Li Qm	2018.7.19
3-18	+0.16	2	G10	change packing quantity	Pei Yang	2018.8.06
18-50	+0.31	3	H8	To update the content	Yang Pei	2019.01.23
≥50	+0.55					



Number	Designation	Remarks
1	TR6.3×0.8F flag type receptacle	3000pcs/reel
2	Packing reel	
3	Certification	
4	Gummed tape	
5	Packing box	6000pcs/box

CUSTOMER DRAWING

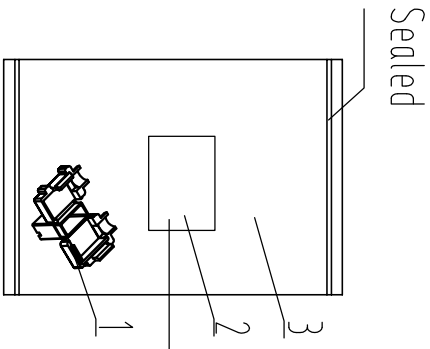
Drawn	Li Qm	2016.04.22	Unit	mm	Scale	/	Size	A4	Edition	B
Checked	Guoying Wang	2018.08.06	Sheet No.				1 of 1			
Approved	Dongxu Wang	2018.08.06	<p style="text-align: center;">Title: Packaging Specification of 6.3×0.8 flag type receptacle</p> <p>Part No.: TR6.3×0.8F</p> <p>Document No.: BZ-DWG-00112</p> <p>Specification No.: PS3888</p>							

1 2 3 4 5 6 7 8 9 10

A B C D E F G H

Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0~3	±0.13	1	H8	To update the content	Yang Pei	2019.01.23
3~18	±0.16					
18~50	±0.31					
≥50	±0.55					

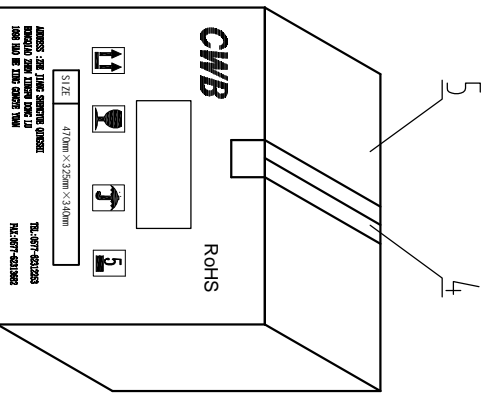
Packing bag



Sealed



Packing box



CWB
ROHS

SIZE 470mm×325mm×340mm

1000PCS/BAG

Number	Designation	Remarks
5	Packing box	
4	gummed rope	
3	Packing bag	
2	Certification	
1	TR6-3x0.8F Jacket	1000pcs/bag

CUSTOMER DRAWING

Drawn	Li Qin 2016.04.22	Unit	mm	Scale	/	Size	A4	Edition	B	Part No.:	TR6-3x0.8F Jacket
Checked	Guoying Wang 2016.04.22	Sheet No.					1 OF 1			Document No.:	BZ-DWG-00113
Approved	Dongxu Wang 2016.04.22	CWB 浙江嘉兴电子元件有限公司		CWB 浙江嘉兴电子元件有限公司		CWB 浙江嘉兴电子元件有限公司		CWB 浙江嘉兴电子元件有限公司		Specification No.:	PS3888

Title: Packaging Specification of 6.3x0.8 Flag Type Jacket