东莞市高铖达电子科技有限公司
惠州市高铖达光电科技有限公司

承　　认　　书
SPECIFICATION FOR APPROVAL

Customer ：_____

Description ：TF卡掀盖1.8H

PartNo ：TFW22-N1N1-2000-A

Customer P/N ：_____

东莞市高铖达电子科技有限公司			客　　户	
工程承认章			工程承认章	
品管承认章			品管承认章	

TAIWAN FACTORY:協昌精密工業股份有限公司

ADD: NO.95 Twopart Southharbour road,Taibei,Taiwan.CHINA
地址:中国臺灣台北市南港路二段 95 號
TEL:02-27884666　FAX：02-26535492
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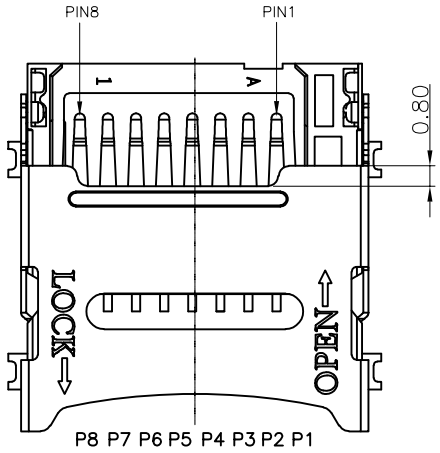
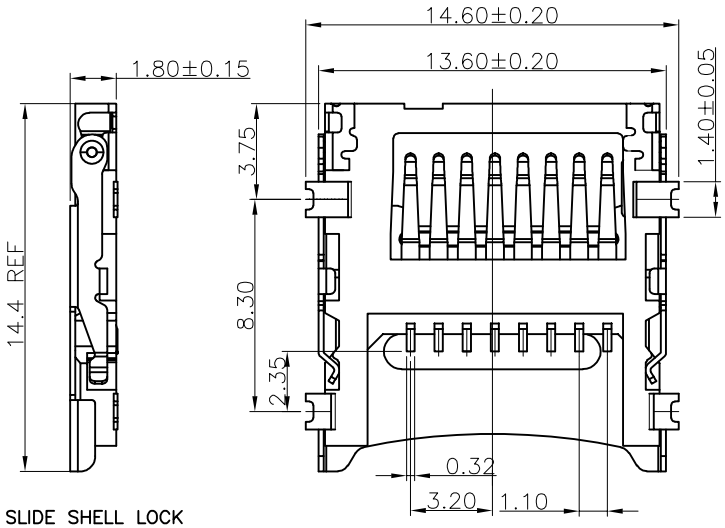
CHINA FACTORY:东莞市高铖达电子科技有限公司
地址东莞市大岭山镇太公岭村莞长路110号2栋
TEL:13570841301 微信同号　TEL:13412512525 微信同号
E-mail:szgaosuda@163.com

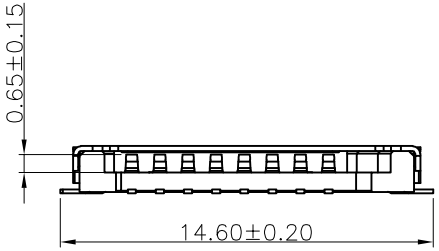
REV	DATE	DESCRIPTION	ECN NO.	NAME
A	24.03/27	NEW RELEASE		HILL LIU

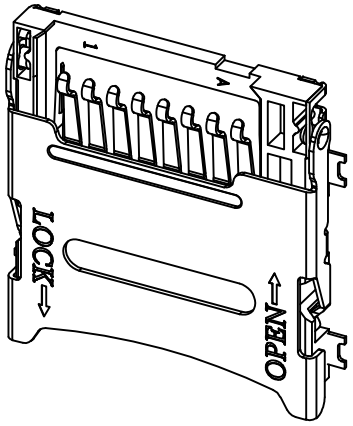
NOTES:
1.MATERIAL:
1.1. HOUSING: THERMOPLASTIC,UL94V-0;
1.2. TERMINAL: COPPER ALLOY.;
1.3. SHELL: STAINLESS STEEL.
2.FINISHED:
2.1. TERMINAL: Ni PLATED UNDER,Au PLATED ON CONTACT AREA,G/F PLATED ON SOLDER TAIL;
3.ELECTRICAL CHARACTERISTICS
3.1. CURRENT RATING : 0.5A MAX.
3.2. IDIELECTRIC WITHSTANDING VOLTAGE: 500V AC R.M.S. FOR 1 MINUTE.
3.3. INSULATION RESISTANCE : 100MΩ MIN.AT 500V DC.
3.4. CONTACT RESISTANCE : 50mΩ MAX.
SWITCH RESISTANCE : 100mΩ MAX.
3.5. OPERATION TEMPERATURE RANGE:-30°C~+85°C

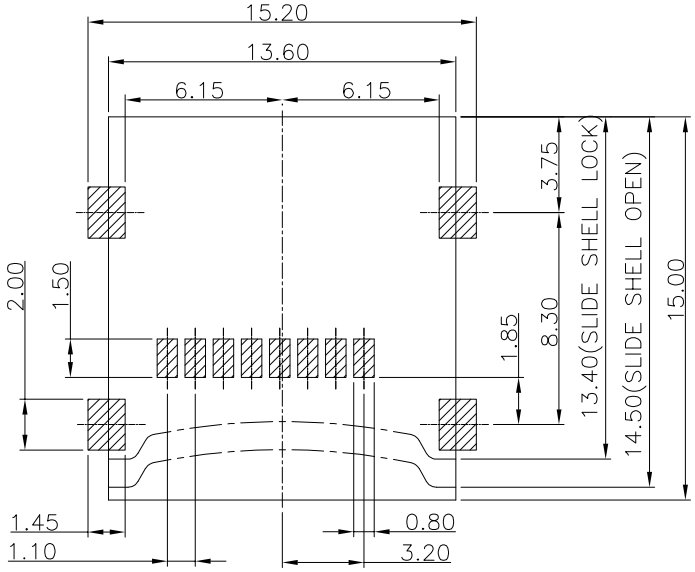




SLIDE SHELL LOCK







PAD AREA
RECOMMENDED PCB LAYOUT(TOLERANCE ±0.05)

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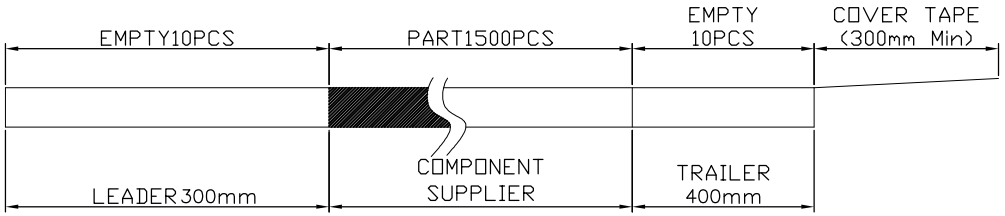
▽ :Critical Dim ✱ :Major	CUSTOMER P/N: 1.8H 掀盖式T-FLASH CARD		PART NO.:	
TOLERANCE: X.X ±0.30 X.XX ±0.20 ANGLE ±3°	DRAWN BY	HILL	DRAWING NO.	
	CHECKED BY	Tim	DRAWING SIZE	1:1
	APPROVED BY	SAM	UNIT	mm
	SORTING NO.		PAGE	1 OF 2

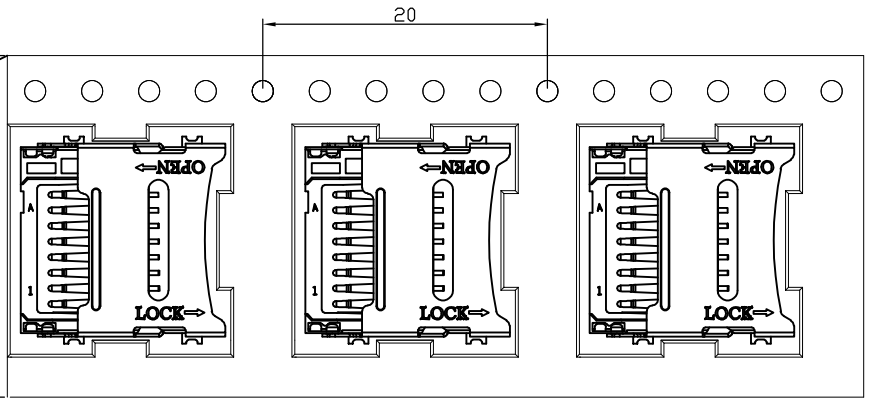
Customer Drawing

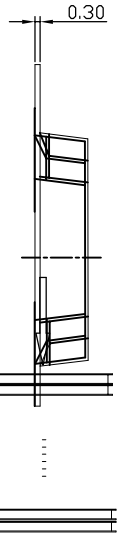
REV	DATE	DESCRIPTION	ECN NO.	NAME
A	24.03/27	NEW RELEASE		HILL LIU



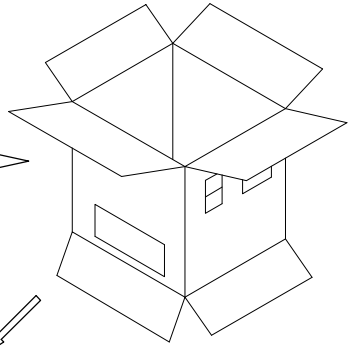
User Direction of Unreeling

NOTES
1. NUMBER OF CONNECTORS:1500PCS/REEL
2. QUANTITY:15000PCS/CARTON

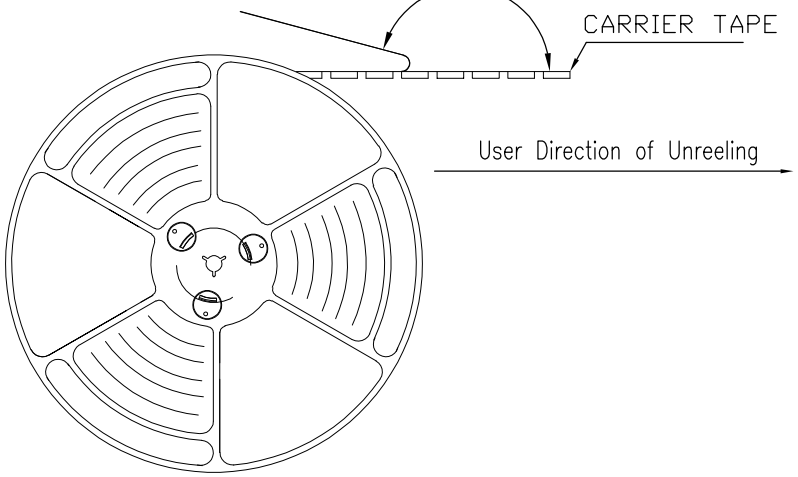


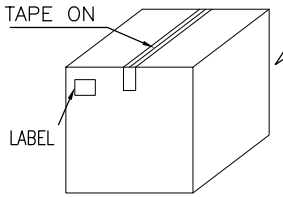


CARTON
350*350*310 K=K



COVER TAPE PEELING ANGLE:165°~180°
PEELING FORCE:20~130g





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▽:Critical Dim ✱:Major	CUSTOMER P/N: 1.8H 掀盖式T-FLASH CARD		PART NO.:	
TOLERANCE: X.X ±0.30 X.XX ±0.20 ANGLE ±3°	DRAWN BY	HILL	DRAWING NO.	
	CHECKED BY	Tim	DRAWING SIZE	1:1
	APPROVED BY	SAM	UNIT	mm
	SORTING NO.		PAGE	2 OF 2

Customer Drawing

1. 范围 Scope

该标准涵盖东莞高铖达电子科技有限公司生产的6/8P SIM座系列连接器之功能要求及测试方法。
This specification covers the requirements for product performance and test methods of C&S'S **2.54 pitch, SIM CARD** Series Connectors.

2. 标准文件 Related Standards

2-1 IEC512
2-2 MIL-STD 202
2-3 EIA-364

3. 一般规格 General Specification

3-1 额定电流 Current Rating
0.5A Max. AC(rms)/DC /Contact
3-2 额定电压 Voltage Rating
100V Max. AC(rms)/DC /Contact
3-3 工作环境 Operating Environment
温度 Temperature： -55℃~+85℃
湿度 Humidity：90~95% maximum
3-4 储存环境 Storage Environment
温度 Temperature： -25℃~+80℃
湿度 Humidity：70% maximum
3-5 测试环境 Test Environment
温度 Temperature： +10℃~+30℃
湿度 Humidity：45% ~75%
大气压 Atmospheric Pressure：86-106KPA

4. 材料及尺寸 Material and dimensions

4-1 产品材料 Product Material:
塑胶主体 housing: 耐高温,热塑性材料,阻燃等级 UL94V-0, 颜色：黑色
High temperature, Thermo-plastic, Color Black, UL94V-0.
端子 contact：铜合金 Copper Alloy
外壳 shell：不锈钢 stainless steel
4-2 产品尺寸及电镀 Product dimensions and plating：
请参考所附客户图或物料编码原则
please refer to the attached drawing or product numbering code
4-3 产品有害物质符合厂内 ROHS 有关规定.
The harmful material should be compliance to requirement about ROHS.

5. 产品外观 PRODUCT APPEARANCE

项目 ITEM	描述 Description	测试方法 Test Methods	测试规格 Test Specification
5-1	产品外观 Examination of Product	依据 IEC512-2 测试 1a&1b 肉眼观察，产品外形必须符合图纸要求。	产品外观良好，无外观不良情形，产品结构及尺寸亦须符合图纸设计要求。
		IEC512-2 method 1a and1b Shall be confirmed with eyes in accordance with each drawing.	Outward appearance shall be good without such injurious problem and structure shall be meet the design and dimension requirement of drawing
5-2	电镀膜厚测试 Plating Thickness Measurement	肉眼观察电镀层外观并使用适当的仪器设备进行膜厚测试	电镀层须良好无外观不良情况，电镀膜厚测试须满足设计或图纸需求
		Shall be confirmed with eyes in accordance with each drawing. Shall be confirmed by using proper measuring instruments	Outward appearance shall be good without such injurious problem and thickness shall be meet the design requirement of drawing

6. 机械性能 MECHANICAL PERFORMANCE

项目 ITEM	**描述 Description**	**测试方法 Test Methods**	**测试规格 Test Specification**
6-1	耐插拔 Durability	插拔 5000 次,插拔速度 5 次/分钟. IEC512-5 方法 9a	1.产品外观符合需求，无破损及外形损伤。 2.试验后接触电阻最大: 50mς
		When mate /un-mate up to 5000 cycles repeatedly at a rate of 5cycles/min. IEC512-5 method 9a.	1. Shall meet visual requirement, show no physical damage. 2. After test: 50mς Max.

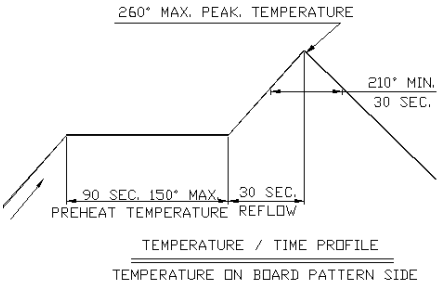
7. 电气特性 ELECTRICAL PERFORMANCE

项目 ITEM	描述 Description	测试方法 Test Methods	测试规格 Test Specification
7-1	绝缘阻抗 Insulation Resistance	加 500V DC 的电压于相邻两端子之间 1 分钟. IEC512-2 测试 3a 方法 B Mated connectors, Apply DC 500V for one minute between adjacent terminal.	1000Mς MIN.
7-2	接触电阻 Contact Resistance	一组对插好的连接器； 测试开路电压:20mV max.; 测试短路电流: 100m A max.. IEC512-2 测试 2a Mated connectors, measure by dry circuit: 20m V Max. 10m A Max. IEC512-2 Test 2a	50 mς Max.
7-3	耐电压 Dielectric withstanding Voltage	加 500V AC 的电压于相邻两端子之间 1 分钟. IEC512-2，测试 4a Mated connectors, Apply AC 500V for one minute between adjacent terminal. IEC512-2 Test 4a	无击穿和飞弧现象 There shall be no breakdown

8. 环境特性 ENVIROMENT PERFORMACE

项目 ITEM	描述 Description	测试方法 Test Methods	测试规格 Test Specification
8-1	耐热性 Thermal Aging	先在温度为 85±2℃环境中放置 96 小时,取出于常湿常温中放置 1~2 小时后测试接触阻抗.(MIL-STD 202 method 108) Mated connectors and expose to 85±2℃ for 96 hours, Upon completion of the exposure period, the test specimens shall be conditioned at ambient room conditions for 1 to 2 hours, after which the specified measurements shall be performed.(MIL-STD 202 method 108)	试验后接触电阻最大: 50mς 外观应无损伤 After test: 50mς Max. Appearance: No damage.

8-2	耐寒性 Cold Aging	先在温度为-55±3℃环境中放置 96 小时,取出于常湿常温中放置 1~2 小时后测试接触阻抗	试验后接触电阻最大: 50mς 外观应无损伤
		Mated connectors and expose to -55±3℃ for 96 hours, Upon completion of the exposure period, the test specimens shall be conditioned at ambient room conditions for 1 to 2 hours, after which the specified measurements shall be performed.	After test: 50mς Max. Appearance: no damage.
8-3	耐湿性 Humidity	在温度为 60±2℃,湿度为 90~95%环境中放置 96 小时后,常温常湿中放置 1~2 小时后测定. (MIL-STD-202 method 103)	试验后接触电阻最大: 50mς 绝缘电阻: 1000 Mς MIN. 耐压测试: 500V AC, 1 分钟 外观应无损伤
		60±2℃,Humidity 90~95% Duration: 96 hours upon completion of the exposure period ,the test specimens shall be conditioned At ambient room conditions for 1 to 2 Hours, after which the specified Measurements shall be performed. (MIL-STD-202 method 103)	After test: 50mς Max. Insulation Resistance: 1000Mς Min. Dielectric strength: 500V AC Appearance: No damage.
8-4	温度循环 Temperature cycling	在-55+0/-3℃中放置 30 分钟,然后在常温 25℃中放置最多 5 分钟,接着在 85+3/-0℃中放置 30 分钟,最后在常温中放置最多 5 分钟,如此循环五次后,常温常湿中放置 1~2 小时后测定. IEC512 测试 13d.	试验后接触电阻最大: 50mς 外观应无损伤
		Mated connectors and subject to the Following conditions for 5 cycles. upon Completion of the exposure period, the Test specimens shall be conditoned at Ambient room conditions for 1 to 2 Hours, after which the specified Measurements shall be performed. 1 cycle: a) -55+0/-3℃ 30 minutes; b) +85+3/-0℃ 30 minutes (transit time shall be within 5 minutes) IEC512 test 13d	After test: 50mς Max. Appearance: No damage

8-5	焊接性 Solder ability	将产品 Tail 端浸入 260±5℃的溶锡中 3±0.5 秒,本体底部浸入深度 0.5mm IEC512-6 测试 12a	沾锡面积 95%以上，无针孔。
		Dip solder-tails into the molten solder (held at 260±5℃) up to 0.5mm from The bottom of the housing for 3±0.5sec. IEC512-6 test 12a	More than 95% of immersed area must show no voids, pin holes.
8-6	耐回流焊热 Resistance to Reflow Soldering Heat		外观应无损伤(端子不应松动，塑胶不应变形) No damage.
8-7	盐雾测试 Salt spray	对插产品测试环境: 温度: 35±2℃，盐水浓度:重量比 5±1%，时间: 24 小时. 测试后常温水洗,干燥. EIA-364-26B	外观: 无损伤; 试验后接触电阻最大: 50mς
		Mated connectors and expose to the fol-Lowing salt mist conditions. Upon Completion of the exposure period, salt deposits shall be removed by a gentle Wash or dip in running water, after which the specified measurement shall Be performed. NaCl solution: Concentration: 5±1% Spray time:24 hours ambient Temperature: 35±2℃ EIA-364-26B	Appearance: no damage. After test: 50mς Max.

9. 产品信赖性测试顺序 TEST SEQUECCE

	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**		
Examination of product	1,8	1,7	1,9	1	1,5	1,5	1	1		
Contact Resistance	2,4,6,7	2,6	2,8		2,4	2,4				
Insulation Resistance			3,7							
Dielectric Withstanding Voltage			4,6							
Insertion Force		3								
Withdrawal Force		4								
Retention Force				2						
Durability		5								
Humidity			5							
Temperature cycling	3									
Salt spray					3					
Thermal Aging	5									
Cold aging						3				
Solder ability							2			
Resistance to Solder heat								2		
Test samples/group	2	2	2	2		2	2	2		