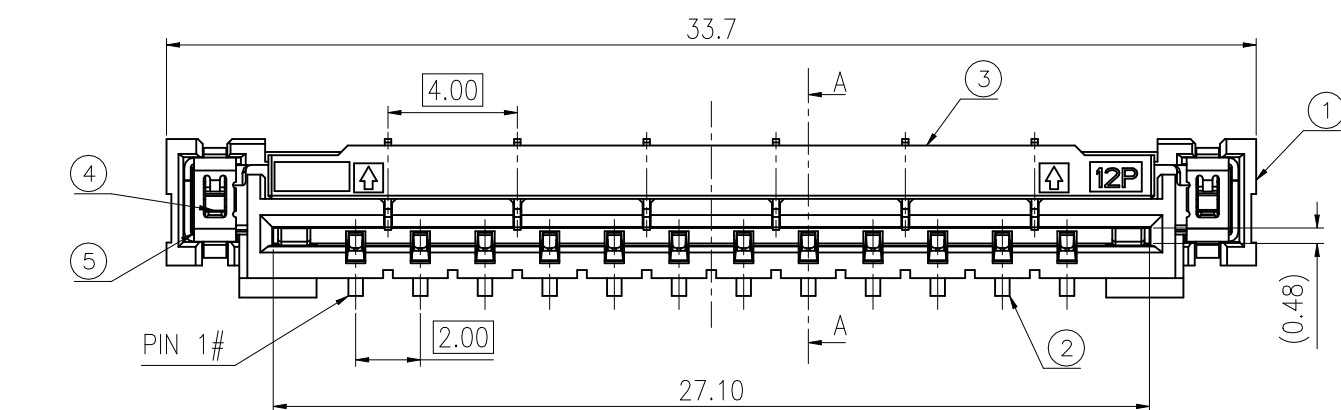
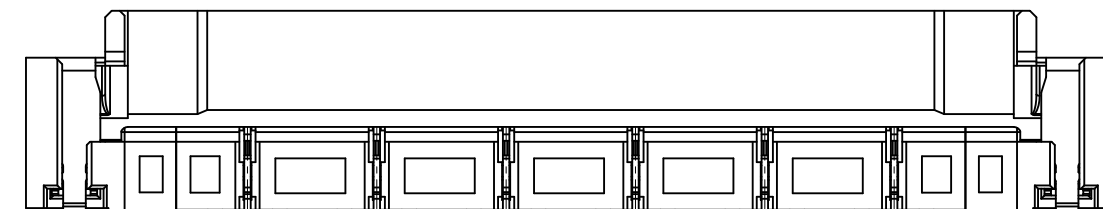
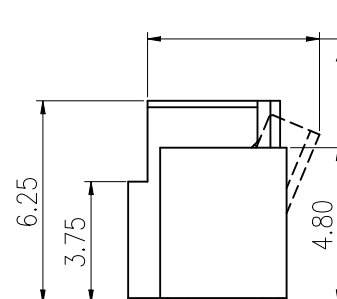
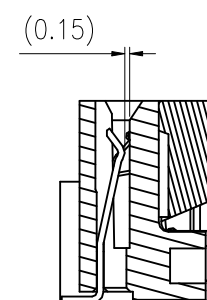


3d VIEW.

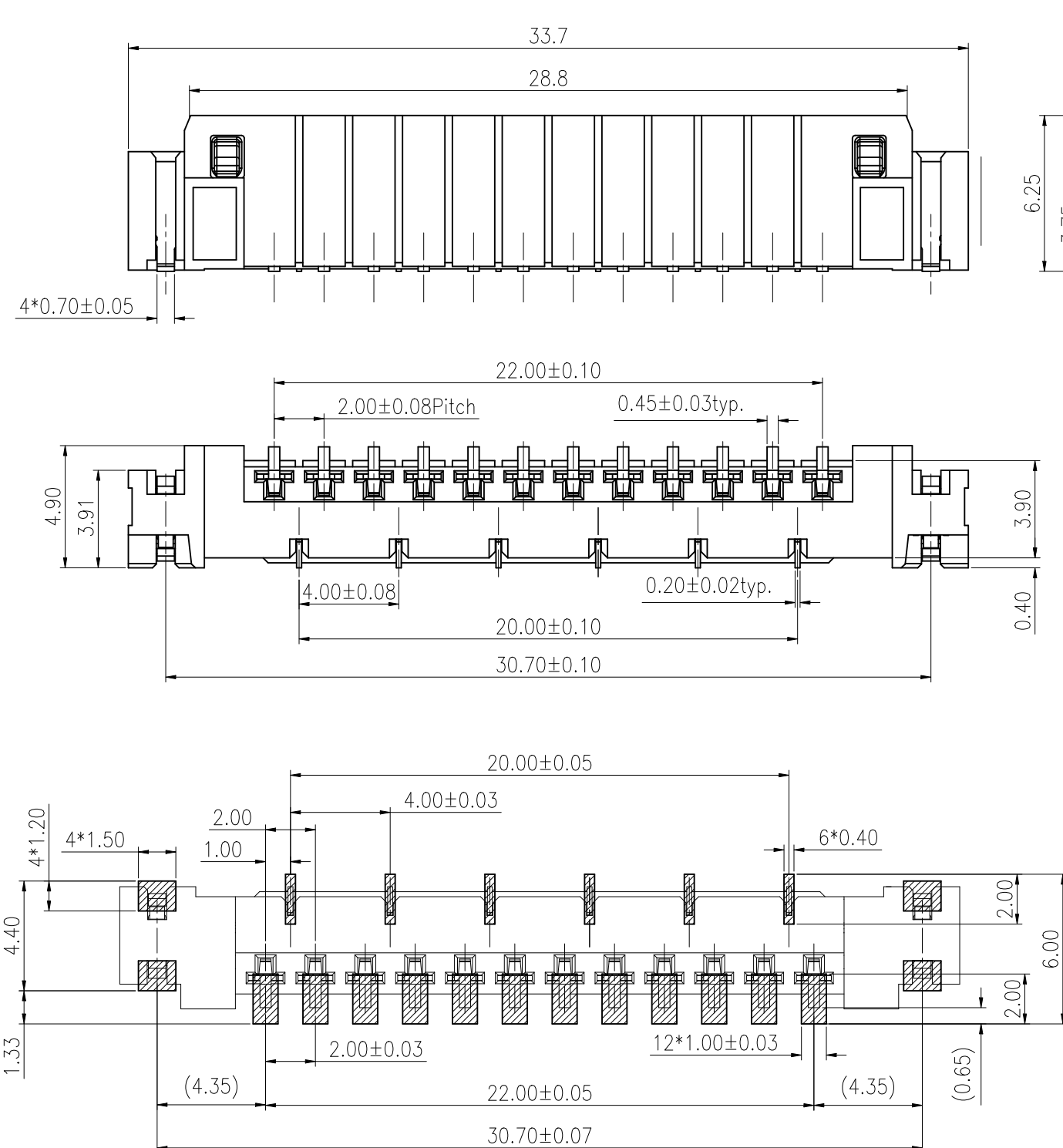


SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
- 1-1. RATING: 50V 1A
- 1-2. CONTACT RESISTANCE: 30mΩ MAX.
- 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR ONE MINUTE
- 1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 100V DC
2. MECHANICAL CHARACTERISTICS:
- 2-1. INSERTION FORCE : 20N MAX.
- 2-2. WITHDRAWAL FORCE : 20N MIN.
- 2-3. LIFE TEST: 50 CYCLES MIN.
3. PRODUCTS MEET RoHS ENVIRONMENTAL REQUIREMENTS.
4. PART NO : HRS-F73W-1B7E1-E7912

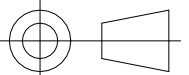


SECTION A-A



RECOMMEND PCB LAYOUT(TOL ±0.05)

NO.	COMPONENTS	MATERIALS	SPECIFICATION:FINISH/COLOR	QTY
1	HOUSING	HIGH TEMP. THERMOPLASTIC	BLACK	1
2	CONTACT	COPPER ALLOY	GOLD PLATING	12
3	ACTUATOR	HIGH TEMP. THERMOPLASTIC	BLACK	1
4	LATCH	COPPER ALLOY	MATT TIN	2
5	GND TERMIINAL	COPPER ALLOY	MATT TIN	6
6	FIXING	COPPER ALLOY	CLEAN	2

UNLESS OTHERWISE SPECIFIED TOLERANCES					ANGLE OF PROJECTION 		 Horus Int. Electronics. Co., LTD Horustech Electronics. Co., LTD					
X.	±0.30	X. °		± 5°	DOC TYP Customer Drw	TITLE: 2.0mm Pitch Auto Lock V/T Type FFC Conn. 12pin						
X.X	±0.25	X.X °		± 4°								
X.XX	±0.20	X.XX °		± 3°								
X.XXX	±0.15	X.XXX °		± 2°								
LINEAR DIMS		ANGLES DIMS										
DWG NO.: A-S0685					DRAWN DATE	May.Wang 2021-06-18		SIZE PART NUMBER: A4HRS-F73W-1B7E1-E7912				REV. A
MATERIAL					DESIGN DATE	May.Wang 2021-06-18						
SEE NOTES					CHECKED DATE	SH.Chen 2021-06-18						
FINISHED					APPROVED DATE	Rain.Han 2021-06-18		SCALE	1:1	UNIT : mm	SHEET 1 OF 3	

A

B

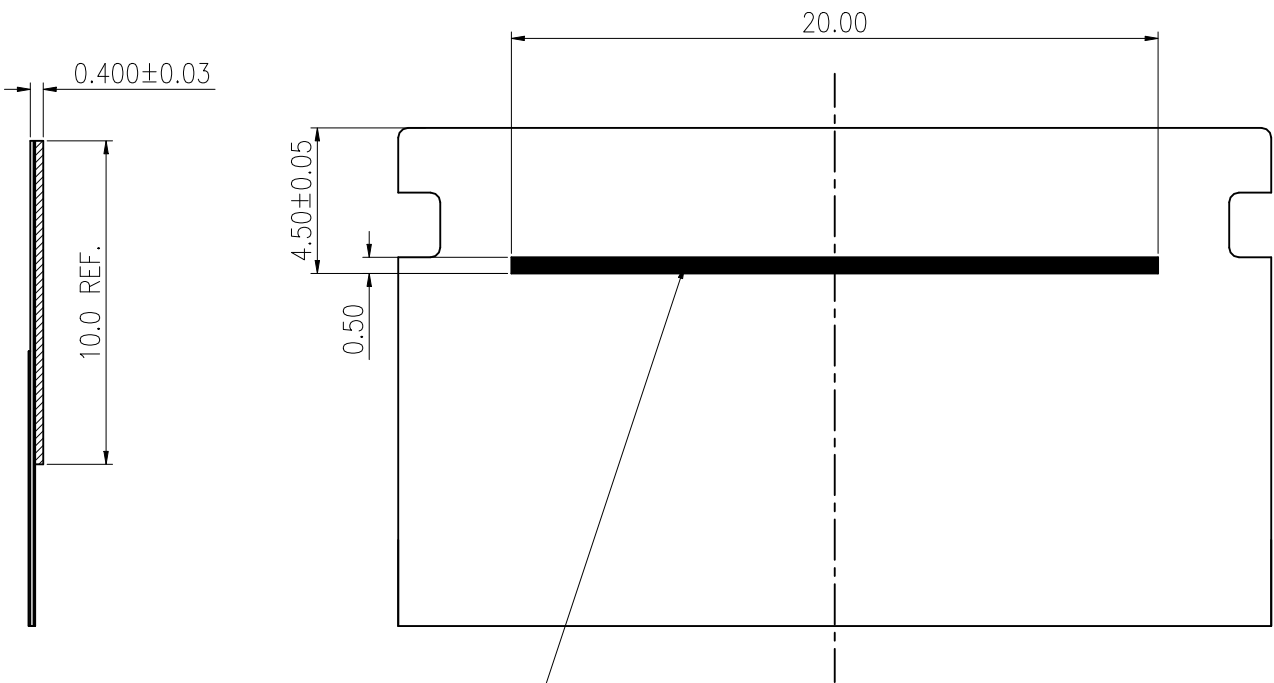
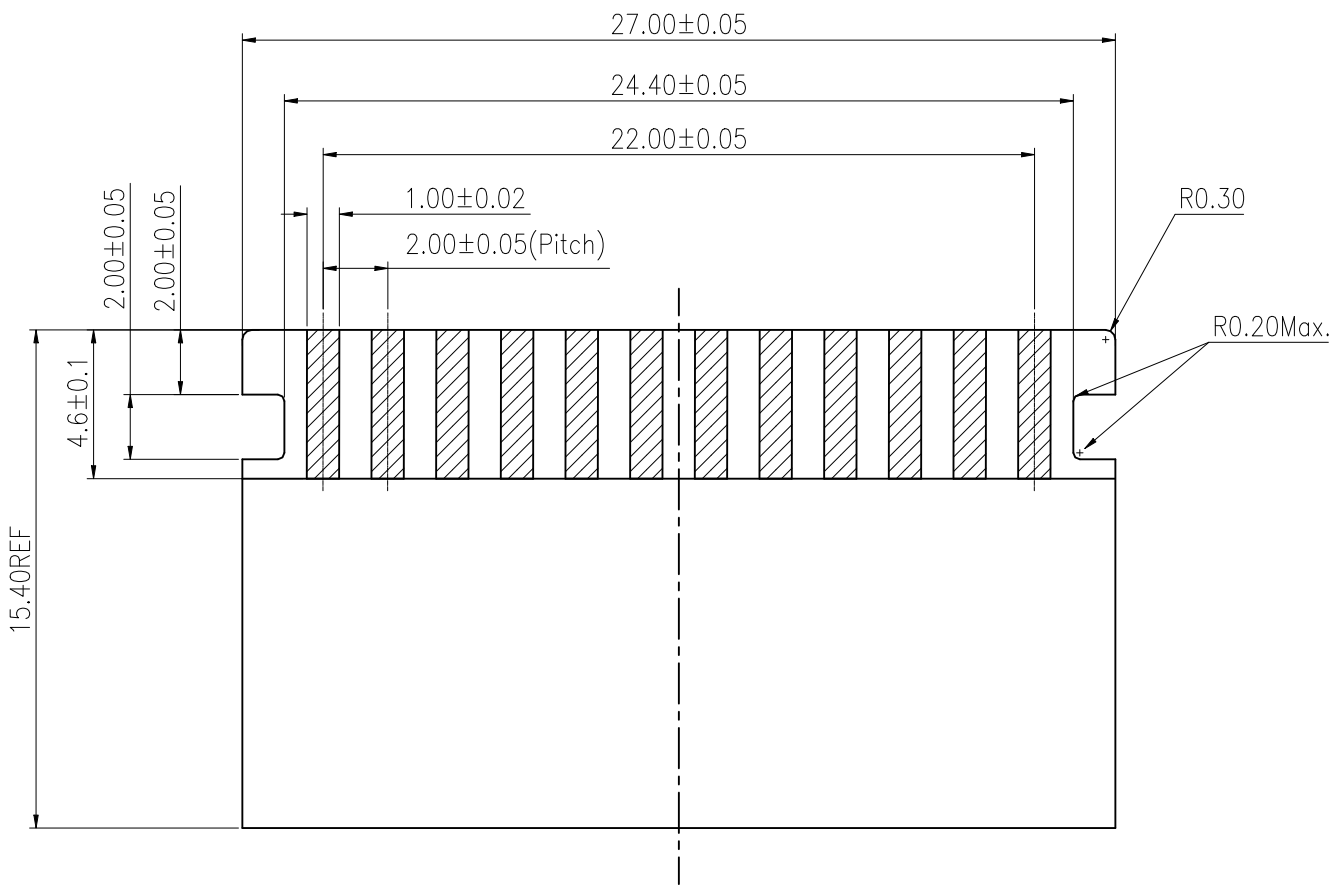
C

D

2

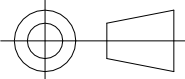
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4

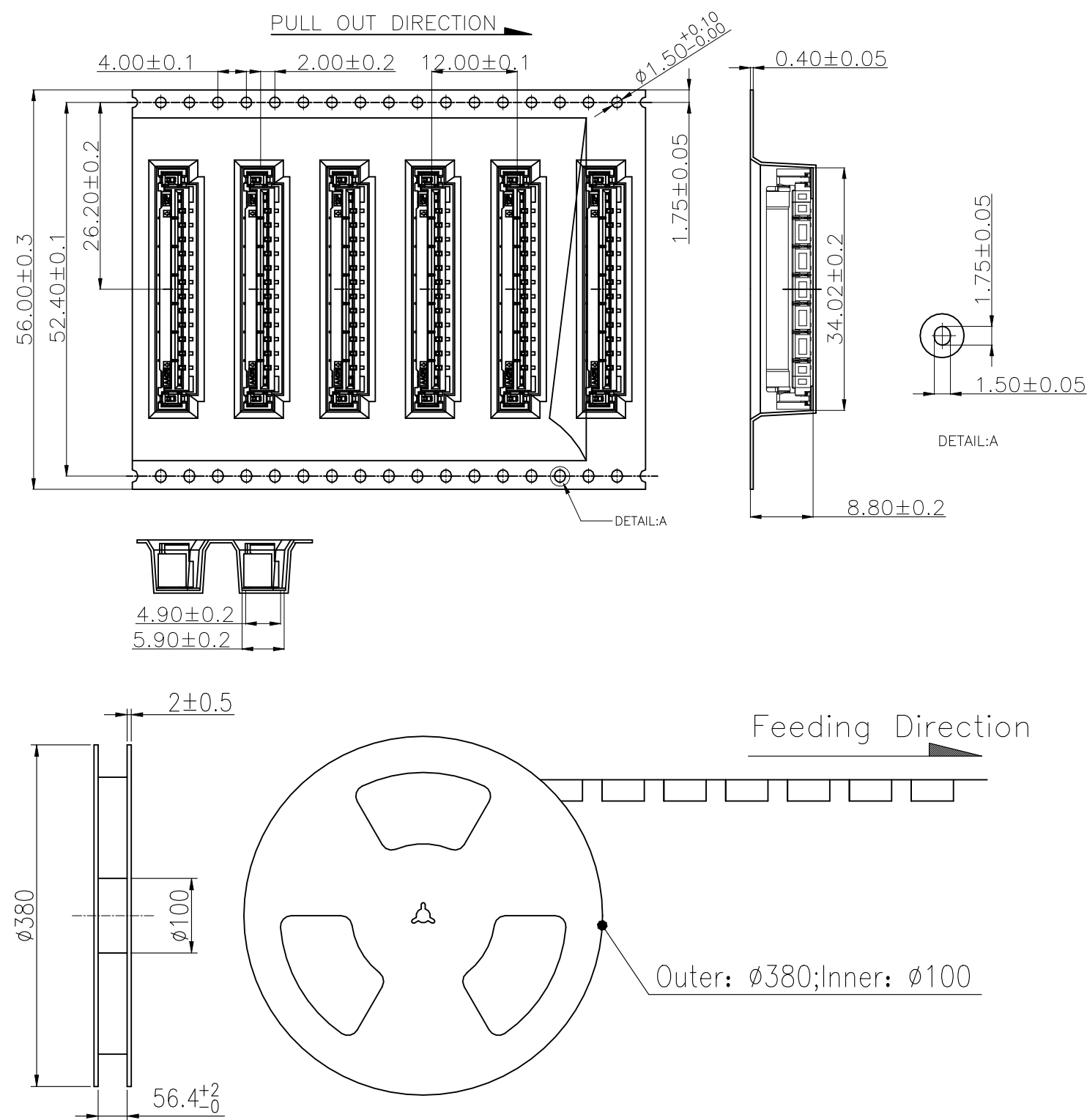


Print marking strip

FFC DIMENSION REFERENCE

UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.			
X.	±0.30	X. °	± 5°			TITLE: 2.0mm Pitch Auto Lock V/T Type FFC Conn. 12pin			
X.X	±0.25	X.X °	± 4°						
X.XX	±0.20	X.XX °	± 3°						
X.XXX	±0.15	X.XXX °	± 2°						
LINEAR DIMS		ANGLES DIMS		DOC TYP	Customer Drw	SIZE PART NUMBER: HRS -F73W-1B7E1-E7912 REV. A			
		DRAWN	DATE	May.Wang 2021-06-18					
		DESIGN	DATE	May.Wang 2021-06-18					
		CHECKED	DATE	SH.Chen 2021-06-18					
DWG NO.: A-S0685				APPROVED	DATE	SCALE 1:1 UNIT : mm SHEET 2 OF 3			
MATERIAL		SEE NOTES		Rain.Han 2021-06-18					
FINISHED		SEE NOTES							

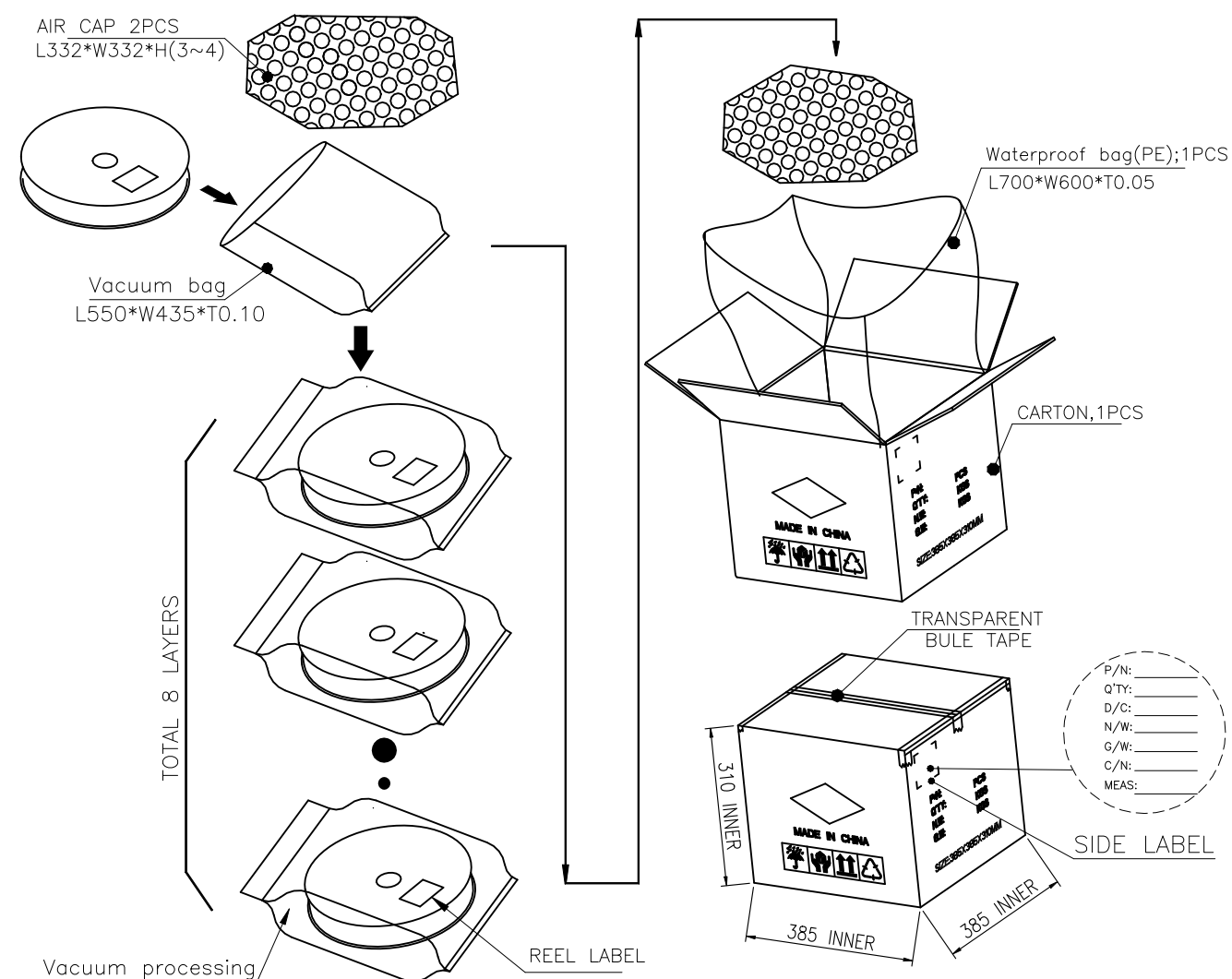
1. PACKING INTO REEL:



NOTES:

- MATERIAL:
 - CARRY TAPE:PS,T=0.40±0.05mm,CLEAR
 - REEL:HIPS; 1.3 SHIM:PE,CLEAR.
- PRIMARY PACKING:SEE TABLE.
- SECONDARY PACKING:1100PCS/Reel;
5 Reels/Carton(5,500PCS=5*1100PCS/Carton).
- PEELING RESISTANCE: 0.1~0.7N(10~70gf); PEELING
ANGLE: 165°~180°; PEELING SPEED: 300mm/minutes.

2:PACKING INTO OUTER BOX



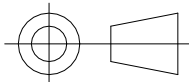
Feeding Direction

Cover 350mm Min.

12 Empty Min.

1100PCS

12 Empty Min.

UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		 Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.			
X.	±0.20	X. °	± 1°			TITLE: 2.0mm Pitch Auto Lock V/T Type FFC Conn. 12pin			
X.X	±0.10	X.X °	± 0.5°						
X.XX	±0.05	X.XX °	± 0.5°						
X.XXX	±0.03	X.XXX °	± 1°						
LINEAR DIMS		ANGLES DIMS		DOC TYP		Package Drw		SIZE A4 PART NUMBER HRS-F73W-1B7E1-E7912 REV. A	
DWG NO.: A-S0685				DRAWN DATE		May.Wang 2021-06-18			
MATERIAL		SEE NOTES		DESIGN DATE		May.Wang 2021-06-18			
FINISHED		SEE NOTES		CHECKED DATE		SH.Chen 2021-06-18			
				APPROVED DATE		Rain.Han 2021-06-18		SCALE 1:1	
								UNIT : mm	
								SHEET 3 OF 3	

1. 适用范围Scope:

此作业规范适用于: 2.0 Pitch 立式&卧式Auto lock SMT型12PIN连接器

This product specifications is applied for: 2.0mm Pitch Auto Lock V/T type FFC Conn. 12pin

与FPC/FFC连接方式 Connected to the FPC/FFC : ZIF

FPC/FFC适合厚度 FPC/FFC is suitable for thickness : 0.40±0.03mm

2. 关联规格 Related specifications:

EIA-364 :电子连接器及接插件测试程序 Electronic connectors and connector test procedure

UL STD-94 :关于塑材设备零配件及器材阻燃性测试规范 On the plastic material and equipment spare parts and equipment flame retardancy test :

JIS: 日本工业标准Japanese industrial standard

3. 构造 尺寸 材料 Configurations dimensions and materials :

参见结构图 Reference the drawing.

序号No.	部 位 Position	材料名/T y p e 名 Materials	备注 NOTE
1	主体 (HOUSING)	LCP ; Liquid crystal polymer	Black,UL94 V-0
2	掀盖 (ACTUATOR)	PA9T OR PPS; Liquid crystal polymer	BLACK,UL94 V-0
3	信号端子 (Terminal—Signal)	COPPER ALLOY,T=0.20mm ;Plating : AU	/
4	接地端子 Terminal GND	COPPER ALLOY,T=0.20mm ;Plating : Matte TIN	/
5	锁扣弹片 LATCH	COPPER ALLOY,T=0.20mm; Plating : Ni	/
4	固定壳 (FIXING PLATE)	COPPER ALLOY,T=0.20mm; Plating:Matte TIN	/

4. 标准状态:

4. 1额定电压Rating voltage: AC/DC 50V

4. 2额定电流Rating current:1.0A

4. 3温湿度范围Temperature and humidity range

4. 3. 1使用温度范围operation temperature: -40℃~+125℃;

4. 3. 2储存温度范围storage temperature: -10℃~+50℃;

4. 3. 3开封使用温度范围Temperature range for opening: -40℃~+50℃;

开封使用湿度The Humidity range for opening: 60%RH MAX

4. 3. 4保存湿度范围Keep humidity range:

相对湿度Relative humidity:0~90%RH.

5. 性能Performance

5. 1构造Structure

序号NO.	项 目Item	测试方法 Test conditions	规格要求 Specifications
1	外观Appearance	目视 Visual	无损坏No physical damage

5. 2电气性能 Electrical Performance

序号NO.	项 目Item	测试方法 Test conditions	规格要求 Specifications
1	接触阻抗 Contact Resistance	将样品与适合之FPC连接, 测试电压20mV, 限电流100mA下进行阻抗测试。 Mate applicable FPC and measure by dry circuit, 20mV Max, 100mA. (EIA-364-23)	初始值initial:30mΩ Max. 各实验后after each test:△20mΩ
2	绝缘阻抗 Insulation Resistance	提供相邻端子间测试电压500V DC, 1分钟进行绝缘阻抗测试 DC 500V shall be applied for 1 minute then measurement shall be made	100MΩ Min.
3	耐电压 Dielectric withstanding voltage	AC 500V shall be applied for 1 minute , then measurement shall be made.Cut current :2mA 500 AC,1分钟 , 感度电流2mA	无击穿, 无短路 No Breakdown.

所有材料必须符合RoHS 2.0管理要求
All materials must comply with RoHS 2.0 management requirements

制 品 仕 样 书 Product specification		Part name	2.0mm Pitch FPC Auto Lock V/T Type 12pin Conn.		
Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.		Part No.	HRS-F73W-1B7E1-E7912	1/9	
Document No.: IS.EQC.177	Date: 2022/02/22	Rev.: B	Written by: May	Checked by: SH.Chen	Approved by: Rain.Han

5.2电气性能 Electrical Performance

序号NO.	项 目Item	测试方法 Test conditions	规格要求 Specifications
4	温度上升 Temperature rise	所有端子应直接串联，当电阻负载50V/1A，端子温度达到额定电流时，用热电偶测量温升 All the terminal shall be connected in a direct series.The temperature rise shall be measured by themocouple when the temperature of the terminal reaches to rated current with resistive load 50V/1A	30℃ max

5.3机械性能Mechanical performance

1	锁扣的作用力 Actuator open/close force	插入适用的FPC，非插入测量锁定/解锁盖20次后的锁定/解锁力 With an applicable FPC inserted,non inserted measure locking/unlocking force after lock/unlock the cover 20times	Actuator open force : 1~10N Actuator close force : 1~10N
2	综合拔出力 Forcibly withdrawal force	拔出力应使用带有连接器外壳的柔性线路板进行测量,应在锁紧状态下进行 withdrawal force shall be measured by withdrawing FPC with the connector housing the measurement and it shall be measured in the locked state	20N 最小 20N MIN.
3	插拔耐久性 Operating endurance	应使用适用的FFC空载插入和抽出20次，然后在锁定状态下进行测量Insertion and withdrawing shall be made 20 times using the applicable FFC without load.Then the measurement shall be made by locked state	拔出力：13N Max 接触阻抗：30mΩ Max.
4	端子保持力 Terminal retention force	测量端子从连接器主体拔出时的保持力 Retention force when the termianl is extacted from connector housing shall be measured	0.5N 最小 0.5N MIN.
5	冲击（单品） Shock(Part)	波形：半正弦 峰值加速度：1000±100m/s2 脉冲持续时间：11ms 连续冲击应在3个相互垂直的轴的两个方向上施加（总共18次冲击） Pulse shape : half sine Peak acceleration : 1000±100m/s2 Duration of the pulse : 11ms The successive shocks shall be applied in both directions of 3 mutually perpendicular axis (total 18 shocks) Refer to JIS C 0041	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ 绝缘阻抗Insulation Resistance: 100MΩ Min.
6	跌落（整箱） Shock (package)	从50厘米处跌落 每个角、棱、面2次（共52次） Drop from 50cm Each Corner、ridge、face 2times (total 52shocks)	外观无破损 Appearance without damage

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制 品 仕 样 书 Product specification		Part name	2.0mm Pitch FPC Auto Lock V/T Type 12pin Conn.		
Horus Int. Electronics. Co., LTD. Horustech Electronics. Co., LTD.		Part No.	HRS-F73W-1B7E1-E7912	2/9	
Document No.: IS.EQC.177	Date: 2022/02/23	Rev.: B	Written by: May	Checked by: SH.Chen	Approved by: Rain.Han

5.3机械性能Mechanical performance

序号NO.	项 目Item	测试方法 Test conditions	规格要求 Specifications
7	振动 Vibration	频率范围：10至200Hz/min 峰值加速度：19.6m/s ² 周期：15分钟 在3个相互垂直的轴上各施加10小时的运动（总共30小时） The entire frequency range: 10 to 200Hz/min Peak acceleration: 19.6m/s ² Period: 15min The motion shall be applied for a period of 10h in each of 3 mutually perpendicular axis (total 30h)	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ 瞬断1us Max. Contact resistance: 30mΩ Max Discontinuity: 1us Max.
8	共振点振动耐久 Resonance vibratio	频率：共振±3Hz 周期：12秒（直线） 振动频率：10 ⁷ 次 加速度表 Frequency: resonance vibration ±3Hz Period: 12sec (straight) The frequency of vibration: 10 ⁷ times Acceleration table 10-30Hz: 34.3 (up and down) 36.3 (right and left) 22.5 (in front and behind) 30-50Hz: 14.7 (up and down) 15.7 (right and left) 10.8 (in front and behind) 50-80Hz: 5.88 (up and down) 6.86 (right and left) 4.31 (in front and behind) 80-200Hz: 2.65 (up and down) 2.84 (right and left) 1.86 (in front and behind)	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ 瞬断1us Max. Contact resistance: 30mΩ Max Discontinuity: 1us Max.
9	振动 Vibration	参照VW75174 6.18 TG17-Dynamic loading S1等级测试方法和标准 Refer to VW75174 6.18 TG17-Dynamic loading S1	瞬断1us Max. Discontinuity: 1us Max.

5.4 环境性能 Environmental Performance

1	低温放置 Cold	试样在-40±3℃的温度下暴露1000H后，然后在常温常湿中放置1小时后进行测量。（参考JIS C 0020 标准） After exposing to a temperature of -40±3℃ for 1000H, the specimen shall be subjected to standard atmospheric conditions for 1h, then measurement shall be made.Refer to JIS C 0020	接触阻抗Contact Resistance : 初始值initial:30mΩ Max. 实验后after test:△20mΩ
2	高温放置 Dry heat	试样在+125±3℃的温度下暴露1000H后，然后在常温常湿中放置1小时后进行测量。（参考JIS C 0021标准） After exposing to a temperature of +125±3℃ for 1000H, the specimen shall be subjected to standard atmospheric conditions for 1H, then measurement shall be made.Refer to JIS C 0021	接触阻抗Contact Resistance : 初始值initial:30mΩ Max. 实验后after test:△20mΩ
3	高温高湿 Damp heat	试样在+85±3℃的温度、85%RH~90%RH的湿度下暴露1000H后，然后在常温常湿中放置1小时后进行测量。（参考JIS C 0022标准） After exposing to a temperature of +85±3℃, a humidity in a range of 85%RH to 90%RH for 1000h, the specimen shall be subjected to standard atmospheric conditions for 1h, then	接触阻抗Contact Resistance:initial: 30mΩ Max. ; after test:△20mΩ 绝缘阻抗Insulation Resistance: 100MΩMin. at DC 100V 1min 耐电压 Dielectric withstanding voltage: AC 100V 1min,Without damage such as arc or breakdown etc.

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All materials must comply with RoHS 2.0 management requirements

制 品 仕 样 书 Product specification		Part name	2.0mm Pitch FPC Auto Lock V/T Type 12pin Conn.		
Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.		Part No.	HRS-F73W-1B7E1-E7912	3/9	
Document No.: IS.EQC.177	Date: 2022/02/23	Rev.: B	Written by: May	Checked by: SH.Chen	Approved by: Rain.Han

5.4 环境性能 Environmental Performance

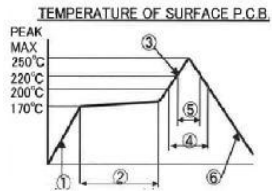
序号NO.	项 目Item	测试方法 Test conditions	规格要求 Specifications
4	热冲击 Thermal shock	连接器应按下表所示连续1000次温度循环变化，然后在常温常湿中放置2小时后进行测量。（参考JIS C 0025标准） The connector shall be subjected to 1000 successive change of temperature cycles each as shown in the table below. Then it shall be subjected to standard atmospheric conditions for 2h , then measurement shall be made. Refer to JIS C 0025: -40±3℃ : 30min. Standard atmospheric condition : 5min +125±3℃ : 30min. Standard atmospheric condition : 5min	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ
5	冷凝 Condensatio	连接器应按下表所示连续进行3次温度变化循环，然后在常温常湿中放置1小时后进行测量。 The connector shall be subjected to 3 successive change of temperature cycles each as shown in the table below. Then it shall be subjected to standard atmospheric conditions for 1h, then measurement shall be made. -30±3℃: 1h +25±3℃: 1h 此项实验需要热冲击完成后的样品进行测试	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ
6	冷凝循环 Condensation cycles	连接器应按下表所示连续进行48次温度变化循环，然后在常温常湿中放置1小时后进行测量。 The connector shall be subjected to 48 successive change of temperature cycles each as shown in the table below. Then it shall be subjected to standard atmospheric conditions for 1h, then measurement shall be made. -30±3℃: 1h +25±3℃,80±5%RH: 1h -30±3℃,50%RH or less:1h 此项实验需要热冲击完成后的样品进行测试	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ 绝缘阻抗Insulation Resistance: 100MΩMin. at DC 100V 1min 耐电压 Dielectric withstanding voltage: AC 100V 1min ,Without damage such as arc or breakdown etc.
7	耐硫化性 Resistance to sulfuration	连接器应在温度为40±2℃、相对湿度为70%RH的硫化气体环境（H ₂ S 5±1ppm）中连续储存96h。然后在常温常湿中放置1小时后进行测量。 The connector shall be stored at a sulfuration gas ambience (H ₂ S 5±1ppm) temperature of 40±2℃and relative humidity of 70%RH for 96h continuously. Then it shall be maintained at standard atmospheric conditions for 1h, then measurement shall be made within 1h.	接触阻抗Contact Resistance : 初始值initial:30mΩ Max. 实验后after test:△20mΩ 外观无异常Appearance without damage
8	盐雾 Salt mist	连接器应在35±2℃的细雾溶液中连续放置48小时。盐溶液浓度为5±1%重量。然后在常温常湿中放置1小时后进行测量。参考JIS C 0023标准） The connector shall be subjected to a fine mist solution at a temperature of 35±2℃ for 48H continuously. Salt solution concentration is 5±1% by weight. Then it shall be subjected to standard atmospheric conditions for 1h, then measurement shall be made. Refer to JIS C 0023	接触阻抗Contact Resistance : 初始值initial:30mΩ Max. 实验后after test:△20mΩ

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制品仕様书 Product specification		Part name	2.0mm Pitch FPC Auto Lock V/T Type 12pin Conn.		
Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.		Part No.	HRS-F73W-1B7E1-E7912	4/9	
Document No.: IS.EQC.177	Date: 2022/02/23	Rev.: B	Written by: May	Checked by: SH.Chen	Approved by: Rain.Han

5.4 环境性能 Environmental Performance

序号NO.	项 目Item	测试方法 Test conditions	规格要求 Specifications
9	抗氨性 Resistance to ammonium	连接器应在氨水中浸泡40分钟。氨浓度为28%，然后在常温常湿中放置1小时后进行测量。 The connector shall be subjected to ammonium water for 40 minutes. Ammonium concentration is 28%. Then it shall be subjected to standard atmospheric conditions for 1h, then measurement shall be made	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ
10	可焊性 Solderability	焊锡温度: 235±5℃ 浸泡时间: 2±0.5秒 Solder temperature: 235±5℃ Immersion time: 2: Comply with JIS C 0055	新的均匀焊料涂层应至少覆盖浸没表面的95% A new uniform coating of solder shall cover a minimum of 95% of the surface being immersed
11	耐焊性 Resistance to soldering heat	1) Reflow characteristic The connector housing shall be stored at a temperature, each as shown in the chart below.  ①.Standing up part temperature inclination 6℃ or more/s ②.170-190℃ 110s Min. ③.Reflow part temperature inclination 4.5℃ or more/s ④.200℃ or more 70s Min. ⑤.220℃ or more 60s Min. ⑥.Cooling part temperature inclination 6℃ or more/s 2) Manual soldering using soldering iron Tip diameter:Selected to fit application Maximum tip temperature:370℃ Antistatic protection:Required Maximum exposure time:3 sec 3)Manual hot gas soldering: Max air temperature:285℃ Max air velocity:10m/sec Max exposure time:30sec	外观无异常Appearance without damage
12	高温操作 Heat operation	额定电流电压导通状态测试(含温升) 测试温度125±3℃, 1000h Connected state test at rated current and voltage (included temperature rise) Test temperature 125 ± 3 ℃, 1000h	接触阻抗Contact Resistance: 初始值initial:30mΩ Max. 实验后after test:△20mΩ
13	高温界限 Heat limit	初始温度80℃ 每次升温: 20℃ 持续时间: 1h Start temperature: 80℃ Rate of heat: 20℃ Period: 1h	确认破坏温度和破坏模式 Destruction mode and temperature shall be measured.

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Horus Int. Electronics. Co., LTD. HorusTech Electronics. Co., LTD.		Part No.	HRS-F73W-1B7E1-E7912	5/9	
Document No.: IS.EQC.177	Date: 2022/02/23	Rev.: B	Written by: May	Checked by: SH.Chen	Approved by: Rain.Han

5.4 环境性能 Environmental Performance

序号NO.	项 目Item	测试方法 Test conditions	规格要求 Specifications
14	电解质排放 Electrolyte emission	试样品必须是对电解质具有化学稳定性。 试验参数 测试方式：喷雾 温度：室温（未特别规定时20℃） 持续时间：14天 试验物质： 1. 六氟磷酸锂:1, 2 mol/1 2. 碳酸二甲酯：18wt% 3. 碳酸甲基乙酯：38wt% 4. 碳酸二乙酯：18wt% 5. 碳酸乙二酯：26wt% The object of development must be chemically stable against electrolyte. Test parameters Application : Spray Temperature : Room temperature (20℃, while not defined otherwise) Duration : 14 days Test substance: 1. LiPF6: 1 , 2 mol /L 2. Dimethylcarbonate : 18wt% 3. Ethylmethylcarbonate (2R4HZA) : 38wt% 4. Ethylcarbonate : 18wt% 5. Ethylencarbonate : 26wt%	保持基础和功能隔离 无着火 无爆炸 温度不高于80℃ -Maintain the base and functional isolation -no fire -no explosion -no temperature > 80℃

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Document No.: IS.EQC.177	Date: 2022/02/23	Rev.: B	Written by: May	Checked by: SH.Chen	Approved by: Rain.Han

6. 修改内容 Change content

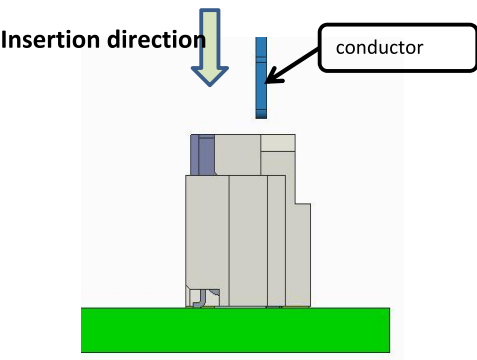
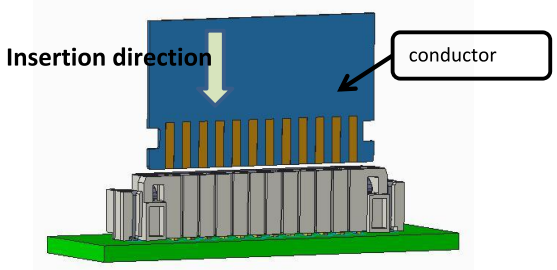
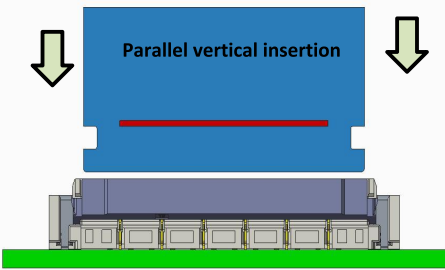
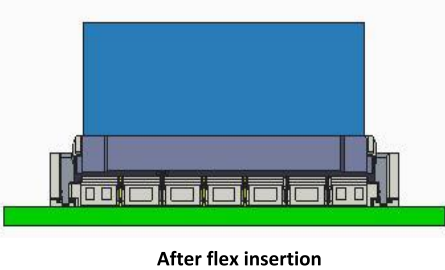
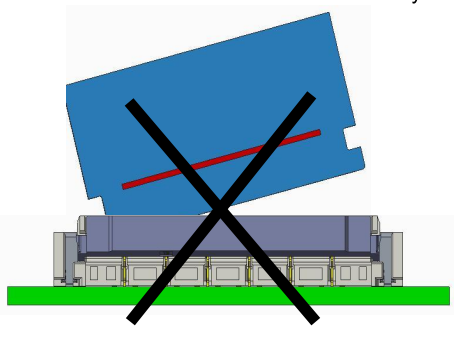
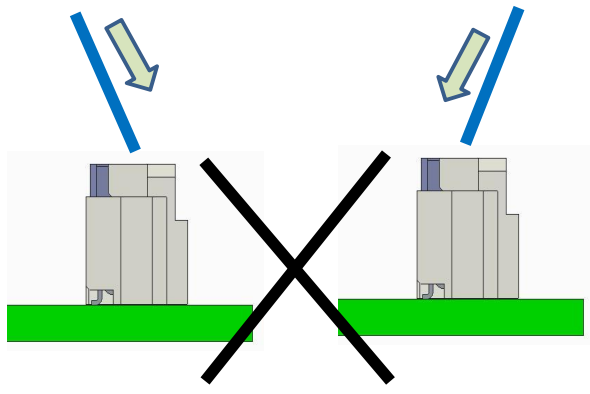
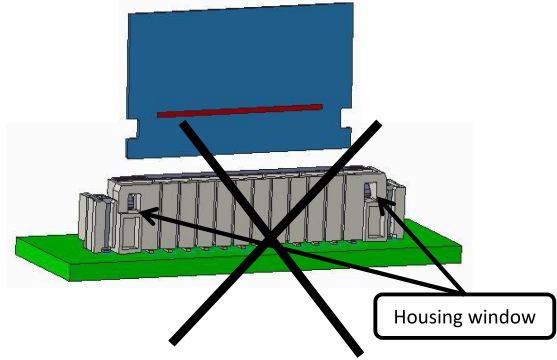
版本Rev.	改正日期 Modify date	改正内容Modifications	Written by	Checked by
A	2021.06.23	正式版发行New	May	Rain.Han
B	2022.02.23	更新耐电压参数，增加操作说明	May	Rain.Han

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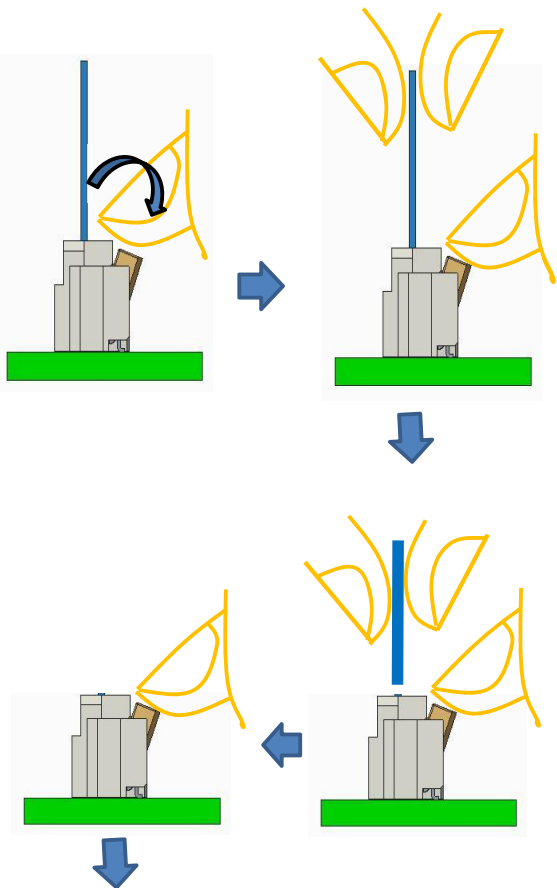
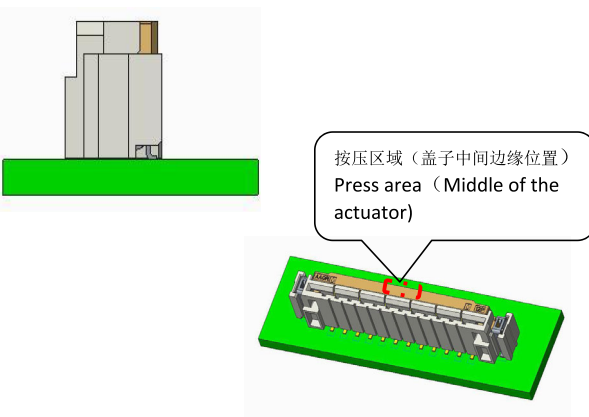
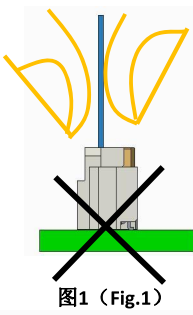
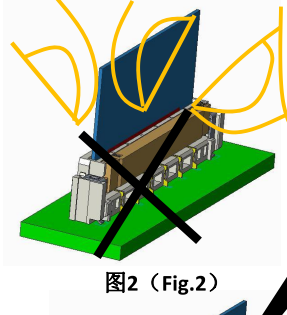
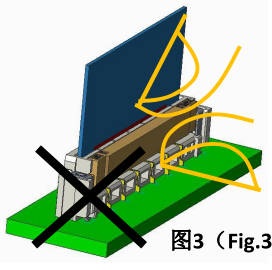
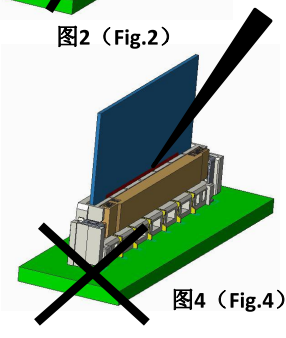
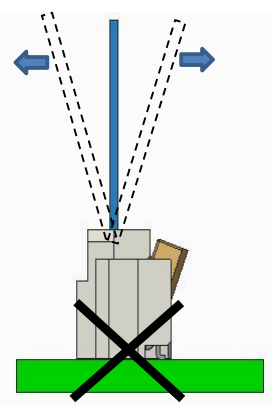
7. 操作说明和注意事项 Operating instructions and matters needing attention

操作方法	注意事项
一: FFC/FPC插入方法/FFC/FPC Insertion	
与FPC/FFC连接方式 Connected to the FPC/FFC : Non-ZIF    Before flex insertion  After flex insertion	① 如果FFC/FPC倾斜插入连接器, 可能会引起短路。 If the FFC/FPC is insert a slant to the connector, it may cause a short circuit  ② 如果FFC/FPC对角入连接器, 可能会引起FFC/FPC导体屈曲或FFC/FPC的弯曲 If the FFC/FPC is insert a diagonally to the connector .It May be cause a contact bucking and/or ever the conductor of FFC/FPC  ③ 如果FFC接触侧插入到连接器没有窗口的一侧, 有可能导致接触不良及FFC弯曲 If the flex conductor side is insert to the connector with the no window side. It may cause a contact bucking and/or ever the conductor of Flex. 

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7. 操作说明和注意事项 Operating instructions and matters needing attention

操作方法	注意事项
二：FFC拔出方法/Flex cable remove operation	
垂直拔出FFC时，请向下按压盖子边缘中间位置直到FFC/FPC完全移除为止。 Please push on the middle of the actuator of actuator until the FFC/FPC will be removed completely.   按压区域（盖子中间边缘位置） Press area (Middle of the actuator)	① 盖子锁住时请勿拔出FFC/FPC, 有可能导致锁扣机构被破坏(图1)。 Don't pulling out FFC/FPC while the Actuator is locked condition. (Fig.1) ② 只按住盖子一端时，请勿拔出FFC/FPC，有可能导致锁扣机构被破坏(图2)。 Don't pulling out FFC/FPC while Pulling on the side of actuator,it broken the locking mechanism. (Fig.2) ③ 不要拉起盖子，有可能导致锁扣端子变形或锁杆被破坏(图3)。 Don't pulling up the actuator,it may broken the locking lever or deform the locking termianl. (Fig.3) ④ 请手动操作，不要用镊子等锋利工具进行操作，有可能导致锁杆被破坏。(图4) Please operate the actuator by hand,don't operate it with sharp-edged tools such as tweezers etc , It may cause a lock lever broken. (Fig.4) ⑤ 拔出FFC/FPC时，请勿向上或横向施力，有可能导致锁扣机构或连接器被破坏。 Don't apply load in the upward or lateral direction,when pulling out FFC/FPC.It may damage the locking mechanism. or connector.  图1 (Fig.1)  图2 (Fig.2)  图3 (Fig.3)  图4 (Fig.4) 

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