

- ✓ 两侧设计有金属补强机构, 加强侧壁强度, 也能防止钢琴盖脱落
- ✓ 钢琴盖上的小突起防止钢琴盖意外打开
- ✓ FPC/FFC的形状可以根据需要选择-有或者没有突起

Pin数:

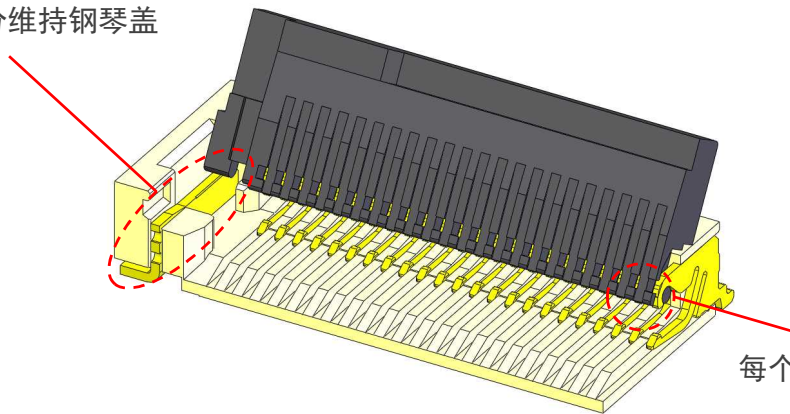
| | |
|-----|----------------|
| 范围 | Up to 50 |
| 可提供 | 20, 30, 40, 50 |

*如您需要了解未列出或不在上述范围内的pin数, 请咨询我们。

| | | |
|-------------------------|------------------------------------|------|
| Part Number | 20647 | |
| Contact Pitch (mm) | 0.5 | |
| Board Pitch (mm) | 0.5 | |
| Height (mm) | 2.55 +/-0.2 | |
| Width Formula (mm) | 4.9+(0.5*?p) | |
| Depth(mm) | Actuator Open | 6.40 |
| | Actuator Close | 7.20 |
| Wiping Length (mm) | 1.40 | |
| FPC Insertion Depth(mm) | 4.15 | |
| FPC Thickness (mm) | 0.30+/-0.05 | |
| Current Rating | 0.5A /pin | |
| Contact Point | Bottom | |
| Compatibility | HRS FH28 Foot/FPC pattern comp. | |

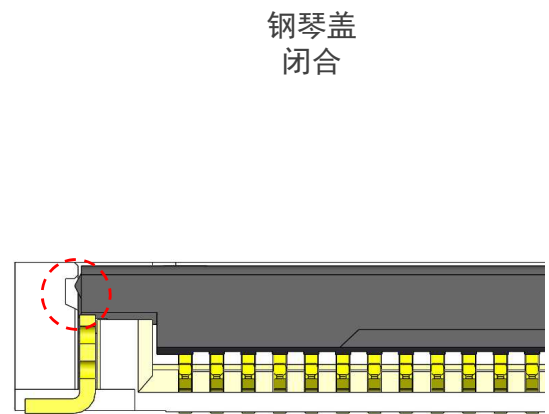
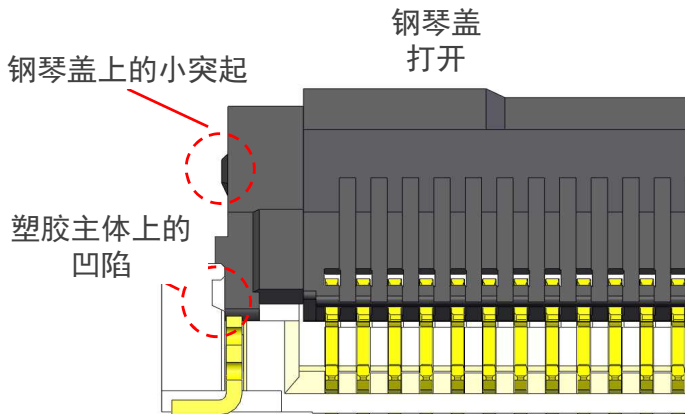
两侧设计有金属补强机构, 加强侧壁强度, 也能防止钢琴盖脱落

金属补强部分维持钢琴盖



每个端子的头部也维持钢琴盖

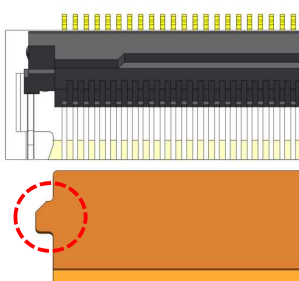
钢琴盖上的小突起防止钢琴盖意外打开



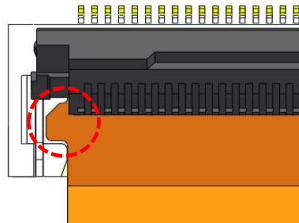
FPC/FFC的形状可以根据需要选择-有或者没有突起

两侧带有突起的FPC/FFC

插入前

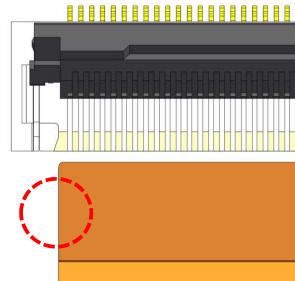


插入后

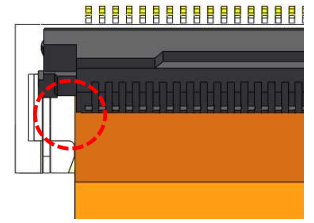


两侧没有突起的FPC/FFC

插入前



插入后



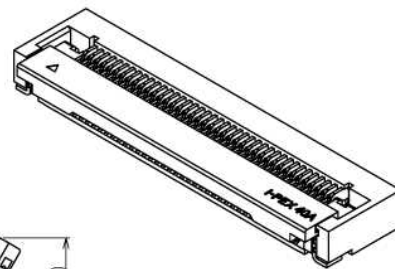
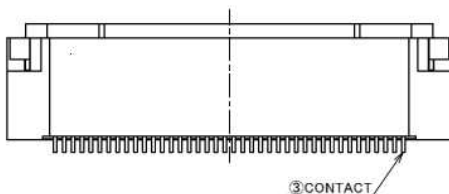
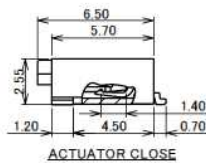
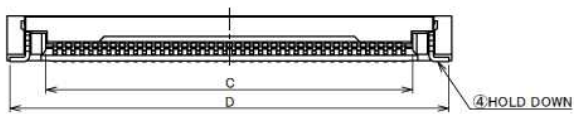
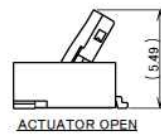
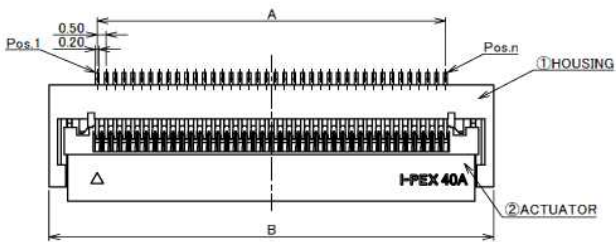
MINIFLEX® 5-FF

Component Parts Detail

Connector Assembly :

| Recommended P/N | | 20647-0**E-01 | | | |
|-----------------|------|---------------|-------|-------|-------|
| PART No. | Pos. | A | B | C | D |
| 20647-020E-01 | 20P | 9.50 | 14.90 | 10.57 | 14.58 |
| 20647-030E-01 | 30P | 14.50 | 19.90 | 15.57 | 19.58 |
| 20647-040E-01 | 40P | 19.50 | 24.90 | 20.57 | 24.58 |
| 20647-050E-01 | 50P | 24.50 | 29.90 | 25.57 | 29.58 |
| ◆ 20647-055E-01 | 55P | 27.00 | 32.40 | 28.07 | 32.08 |
| ◆ 20647-060E-01 | 60P | 29.50 | 34.90 | 30.57 | 34.58 |
| ◆ 20647-064E-01 | 64P | 31.50 | 36.90 | 32.57 | 36.58 |
| ◆ 20647-068E-01 | 68P | 33.50 | 38.90 | 34.57 | 38.58 |

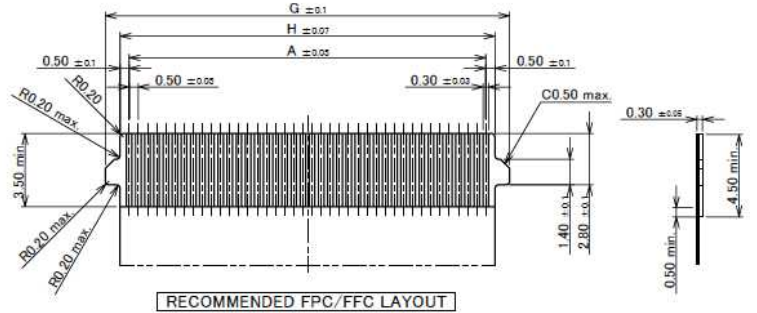
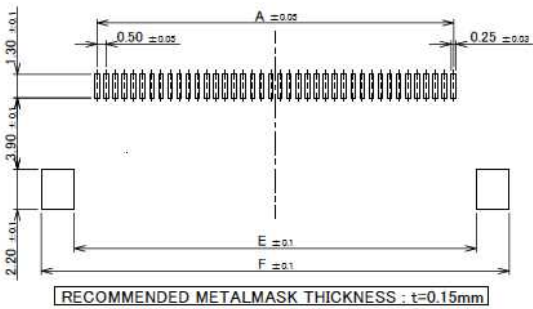
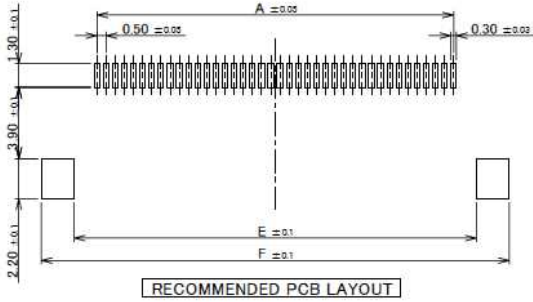
◆ MEANS NOT AVAILABLE



| | | | |
|-----|-------------|--------------|--|
| 4 | HOLD DOWN | COPPER ALLOY | SOLDERING AREA - Au 0.02 μm MIN. OVER Ni 1.00 μm MIN. |
| 3 | CONTACT | COPPER ALLOY | CONTACT AREA - Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA - Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. |
| 2 | ACTUATOR | LCP | UL94V-0 BLACK |
| 1 | HOUSING | LCP | UL94V-0 BEIGE |
| NO. | DISCRIPTION | MATERIAL | FINISH , REMARKS |

Connector Assembly :

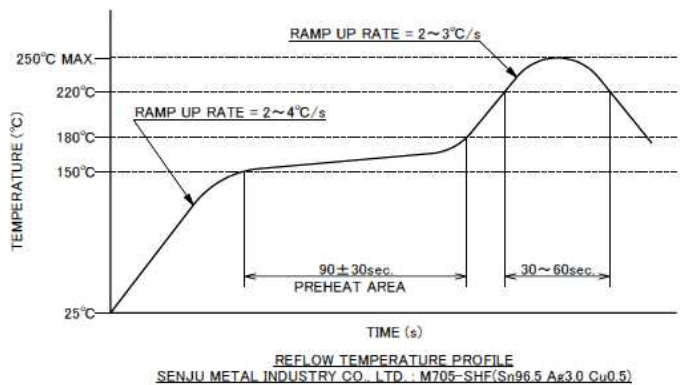
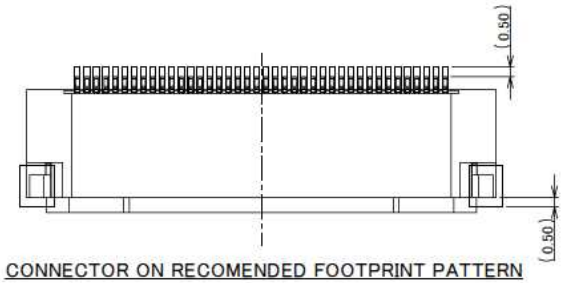
| Pos. | A | E | F | G | H |
|------|-------|-------|-------|-------|-------|
| 20P | 9.50 | 12.00 | 15.60 | 12.10 | 10.50 |
| 30P | 14.50 | 17.00 | 20.60 | 17.10 | 15.50 |
| 40P | 19.50 | 22.00 | 25.60 | 22.10 | 20.50 |
| 50P | 24.50 | 27.00 | 30.60 | 27.10 | 25.50 |
| 55P | 27.00 | 29.50 | 33.10 | 29.60 | 28.00 |
| 60P | 29.50 | 32.00 | 35.60 | 32.10 | 30.50 |
| 64P | 31.50 | 34.00 | 37.60 | 34.10 | 32.50 |
| 68P | 33.50 | 36.00 | 39.60 | 36.10 | 34.50 |



- NOTES
- MATERIAL
 - COVER FILM : PI
 - CONDUCTOR : COPPER
 - BASE FILM : PI
 - STIFFENER : PI
 - ADHESIVE : THERMOSETTING ADHESIVE
 - FINISH
 - Au OVER Ni UNDER PLATING

Rev. 11

Connector Assembly :



Rev. 11

Connector Assembly :

| ITEMS | SPECIFICATION |
|----------------------------------|--|
| RATING VOLTAGE | 50V AC (PER CONTACT) |
| RATING AMPERAGE (FOR CONTACT) | 0.5A DC (PER CONTACT) / 0.35A DC(AVAILABLE FOR ALL PIN) |
| OPERATING TEMPERATURE | 233~378K(-40°C~+105°C) |
| OPERATING HUMIDITY | 90% MAX.(NON-CONDENSING) |
| CONTACT RESISTANCE (FOR CONTACT) | INITIAL : 40mohm MAX. / AFTER TEST : $\leq 120\text{mohm}$ MAX. |
| INSULATION RESISTANCE | INITIAL : 500Mohm MIN. / AFTER TEST : 500Mohm MIN. |
| DIELECTRIC WITHSTANDING VOLTAGE | AC200V 1min |
| DURABILITY | 20 CYCLES |
| CABLE RETENTION FORCE | 20P : 8.0N MIN. |
| | 30P : 12.0N MIN. |
| | 40P : 16.0N MIN. |
| | 50P : 20.0N MIN. |
| | 55P : 22.0N MIN. |
| | 60P : 24.0N MIN. |
| | 64P : 25.6N MIN. |
| 68P : 27.2N MIN. | |
| PRODUCT SPECIFICATION | PRS-2039 |
| TEST REPORT | TR-14129 |
| PACKING STANDARD | PST-14086 |
| INSTRUCTION MANUAL | HIM-15007 |
| APPEARANCE CRITERIA No. | QLS-A*** |

Rev. 11



Copyright © I-PEX Inc. 2020. All rights reserved.

I-PEX, MHF, CABLINE, NOVASTACK, EVAFLEX, MINIFLEX, ISH, IARPB, IASLP, ESTORQ, i-Fit 以及 ISFIT 是 I-PEX 株式会社的注册商标。请注意，目录中的内容可能会在没有事先通知的情况下进行更改。I-PEX 集团没有义务和责任承担这些文件中误差和更新。使用我们的产品前，请务必正确阅读和理解最新的“使用注意事项”和“使用说明书”。如果您在使用我们的产品时没有遵循使用注意事项，我们将不对任何不良，损坏或故障负责。当您我们的产品使用在任何需要较高可靠性和安全性，或者涉及生命安全的应用时，请提前联系我们的销售代表。（例如：核电控制，航空航天，运输，医疗设备，安全设备等）

请联系您当地的销售代表，了解更详细的信息 [i-pex.com]

202104R0