

| REV. | ECN NO | CONTENT         | DATE | ENGINEER |
|------|--------|-----------------|------|----------|
| A0   |        | Initial release | /    | GZY      |

# NOTES:

## 1. MATERIAL:

- 1-1 HOUSING: LCP WITH 30% G/F UL 94V-0 COLOR: BLACK.
- 1-2 CAP: LCP WITH 30% G/F UL 94V-0 COLOR: BLACK.
- 1-3 TERMINAL: COPPER ALLOY T=0.20mm
- 1-4 SHELL: SPCC T=0.50mm

## 2. PLATING:

### 2-1 TERMINAL:

GOLD PLATED ON CONTACT AREA  
AND 100μ" MIN. MATTE-TIN ON SOLDER TAIL,  
WITH ENTIRE CONTACT UNDERPLATED 80μ" MIN. NICKEL.

### 2-2 SHELL: 50μ" MIN. NICKEL PLATED.

## 3. MECHANICAL PERFORMANCE

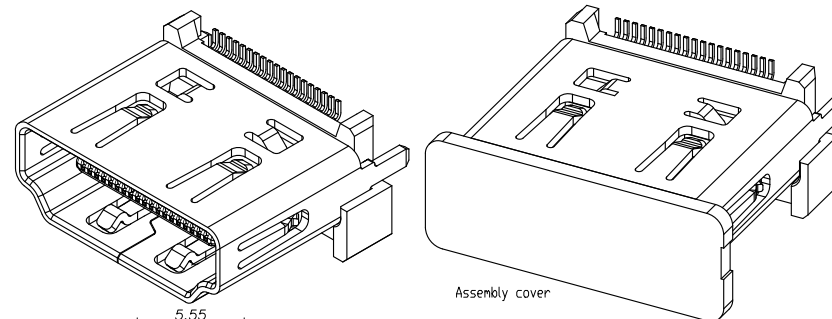
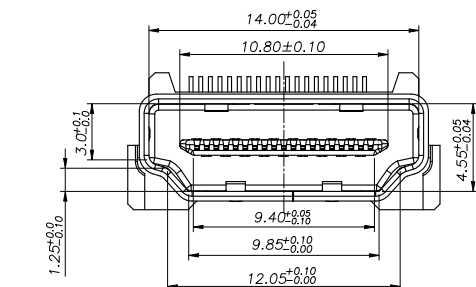
- 3-1 INSERTION FORCE: 4.5kgf MAX
- REMOVAL FORCE: 1kgf MIN; 4.0kgf MAX
- DURABILITY: 5000 CYCLES

## 4. ELECTRICAL PERFORMANCE:

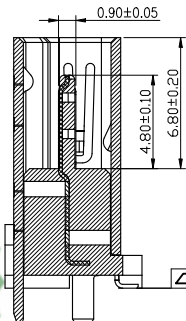
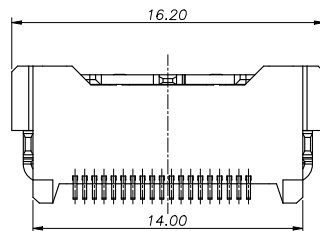
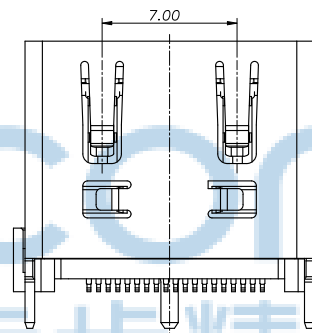
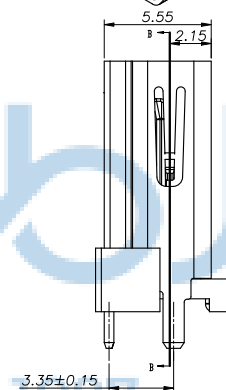
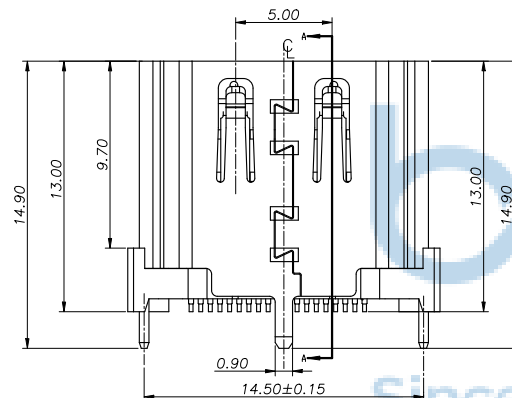
- 4-1 Current Rating: 0.5A
- 4-2 Voltage Rating: 40V AC
- 4-3 CONTACT RESISTANCE: INITIAL 30mΩ MAX.  
AFTER TEST: Δ 10 mΩ MAX
- 4-4 DIELECTRIC STRENGTH: UNMATED CONNECTORS APPLY 500V AC  
MATED CONNECTOR APPLY 300V AC
- 4-5 INSULATION RESISTANCE: 100 MEGAΩ MIN. (UNMATED)  
10 MEGAΩ MIN. (MATED)

## 5. ENVIRONMENTAL PERFORMANCE:

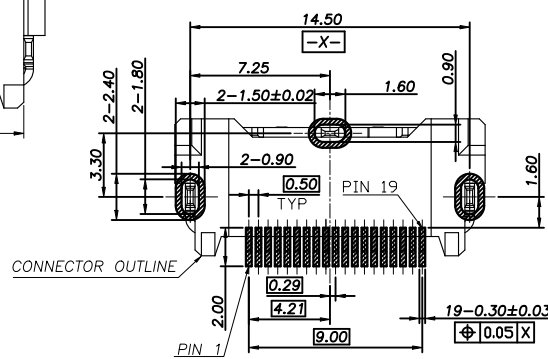
- OPERATING TEMPERATURE: -25° C ~ +85° C
- SALT SPRAY: 24H



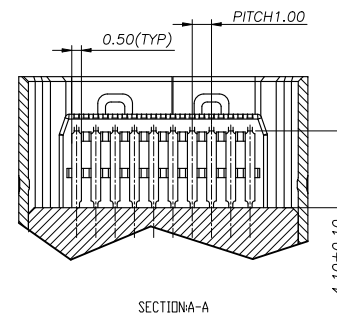
Assembly cover



SECTION-B-B



RECOMMENDED P.C.B. LAYOUT (T: 1.20~1.60mm)  
TOLERANCE UNSPECIFIED ±0.05mm

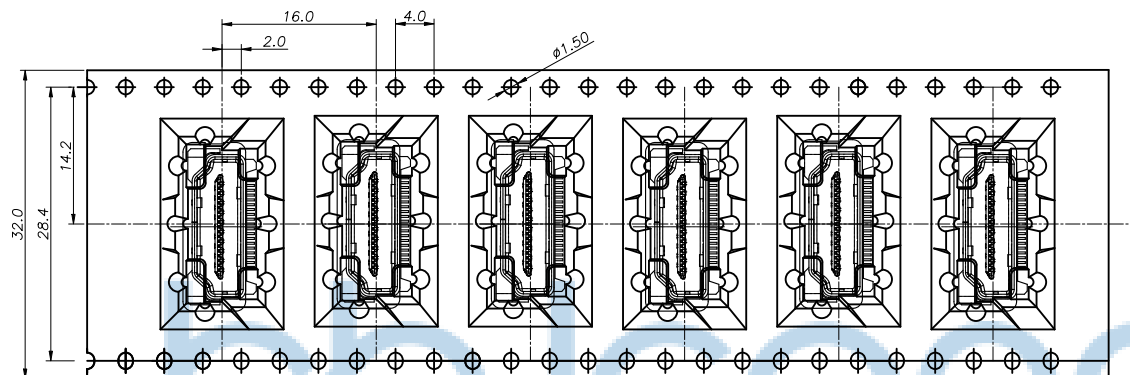


SECTION-A-A

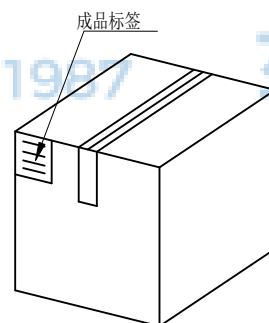
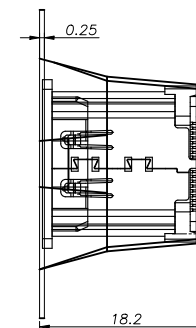
| PIN | Signal Assignment | PIN | Signal Assignment |
|-----|-------------------|-----|-------------------|
| 1   | TMDS Data2+       | 2   | TMDS Data2 Shield |
| 3   | TMDS Data2-       | 4   | TMDS Data1+       |
| 5   | TMDS Data1 Shield | 6   | TMDS Data1-       |
| 7   | TMDS Data0+       | 8   | TMDS Data0 Shield |
| 9   | TMDS Data0-       | 10  | TMDS Clock+       |
| 11  | TMDS Clock Shield | 12  | TMDS Clock-       |
| 13  | CEC               | 14  | Utility           |
| 15  | SCL               | 16  | SDA               |
| 17  | DDC/CEC Ground    | 18  | +5V Power         |
| 19  | Hot Plug Detect   |     |                   |

|                                                                                                                                                                                                  |  |              |  |                                                                                                                    |                                                                                                       |                                |
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| THIS DOCUMENT IS THE<br>SOLE PROPERTY OF<br>BBJconn Technology Co., Ltd.<br>Corporation AND SHOULD<br>NOT BE USED IN WHOLE<br>OR IN PART WITHOUT<br>PRIOR WRITTEN PERMISSION.<br>PDWG.NO: 0100-2 |  | 深圳市步步精科技有限公司 |  | NAME: HDMI 19P 2.1版 母座 直立式 外壳三脚DIP<br>端子SMT H=13.0 带侧弹 平口 铁壳 LCP黑色 加盖 编带<br>APPD. JM_Zheng<br>CHKD. LYX<br>DR. GZY | PJ. NO.: 124-224-190010-V2G<br>SIZE: A4 DRW NO.:<br>FINISH: SEE NOTES<br>SCALE: N/A REV.: A0 UNIT: mm | MAT'L.: SEE NOTES<br>PAGE: 1/2 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------|



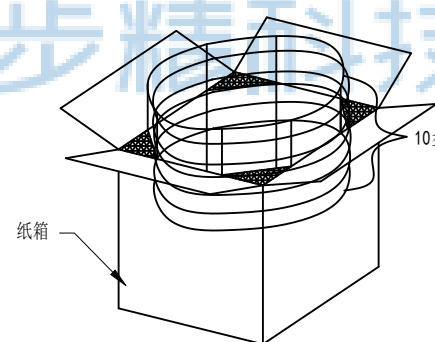


NO. 1

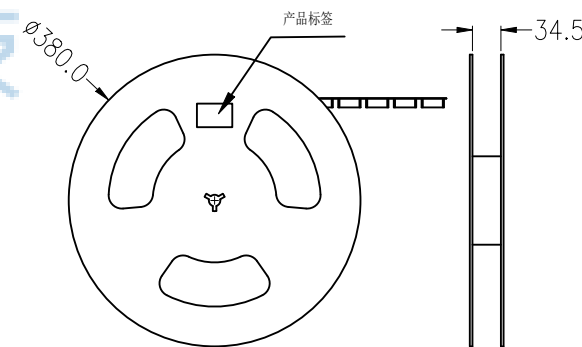


纸箱规格: 39.5\*39.5\*38cm

NO. 4



NO. 3



NO. 2

1. 包装要求:

- 1.1 每卷包装300pcs, 卷带前  
后各空出10pcs位置;
- 1.2 每10盘放一箱, 共计3ksets;
- 1.3 纸箱外贴上标签

备注:

1. 若有未装满之零数, 必须用泡棉塞满。
2. 针对于包装方式可根据客户要求包装。



|                                                                                                                                                                                                     |                                                                                       |                                        |                                                                                       |                                                                          |          |           |
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|                                                                                                                                                                                                     |                                                                                       | .X: ±0.38<br>.XX: ±0.25<br>.XXX: ±0.13 | X': ±3"<br>.X': ±2"<br>.XX': ±1"                                                      | NAME: HDMI 19P 2.1版 母座 直立式 外壳三脚DIP<br>端子SMT H=13.0 带侧弹 平口 铁壳 LCP黑色 加盖 编带 |          |           |
|                                                                                                                                                                                                     | APPD.                                                                                 | JM_Zheng                               |  | PJ. NO.: 124-224-190010-V2G                                              |          |           |
|                                                                                                                                                                                                     | CHKD.                                                                                 | LYX                                    |                                                                                       | SIZE: A4 DRW NO.:                                                        |          |           |
|                                                                                                                                                                                                     |                                                                                       |                                        | FINISH: SEE NOTES MAT'L.: SEE NOTES                                                   |                                                                          |          |           |
|                                                                                                                                                                                                     |                                                                                       |                                        | SCALE: N/A                                                                            | REV.: A0                                                                 | UNIT: mm | PAGE: 2/2 |