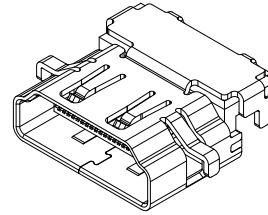
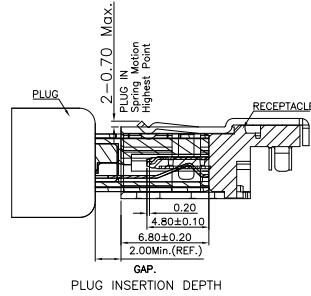
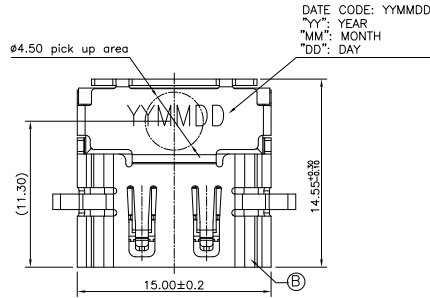
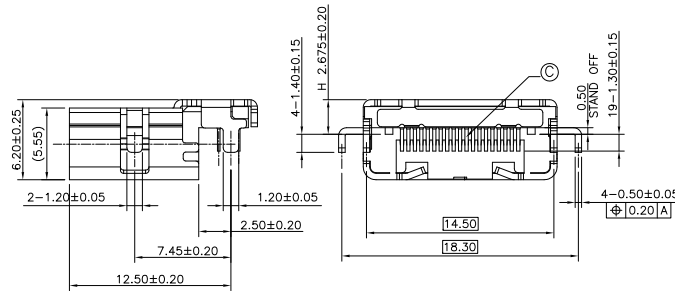
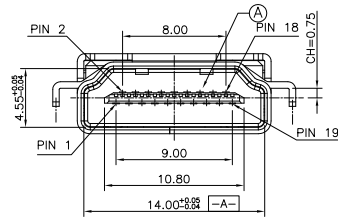


| REV. | ECN NO OR DESCRIPTION | REVISED | DATE       |
|------|-----------------------|---------|------------|
| A    | PDR RELEASE           | EVEN    | 2020.12.29 |
| B    | ECN NO: L202101-002   | EVEN    | 2021.03.23 |



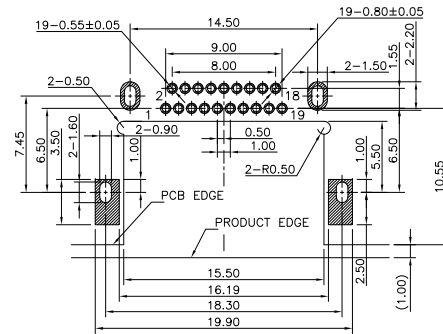
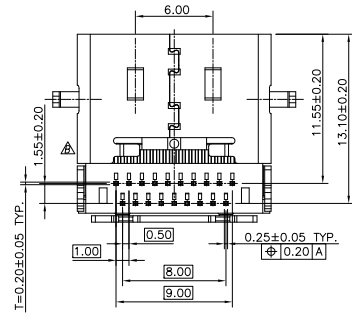
3D VIEW

- SPECIFICATIONS: (HDMI A TYPE)
1. ELECTRICAL CHARACTERISTICS:
- 1-1. CURRENT RATING: 0.5 AMP.
  - 1-2. VOLTAGE RATING: 40V.
  - 1-3. INITIAL CONTACT RESISTANCE EXCLUDING CONDUCTOR RESISTANCE: 10mΩ MAX. (TARGET DESIGN VALUE). AFTER TEST: Δ30mΩ MAX.
  - 1-4. INSULATION RESISTANCE: 100MΩ MIN. @ 500V DC.
  - 1-5. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE.
2. MECHANICAL CHARACTERISTICS:
- 2-1. INSERTION FORCE: 4.5Kgf MAX.
  - 2-2. WITHDRAWAL FORCE: 1.0~4.0Kgf.
3. LIFE TEST: 10,000 CYCLES.
4. OTHER GENERAL SPEC. TO REFER "2HE1783-100411F SPEC".
5. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
7. PACKAGE: SEE "2HE1783-100411F" PACKAGE.
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.



PART NO.  
2HE1783-100411F

- SUFFIX: HALOGEN FREE
- PACKAGE
- 1: TAPE AND REEL
- HOUSING COLOR
- 1: BLACK
- CONTACT PLATING
- 4: 3u" GOLD ON CONTACT AREA, 60u~150u" MATTE TIN ON SOLDER AREA 50~100u" NICKEL UNDERPLATE OVER ALL.



RECOMMENDED PCB LAYOUT(TOP VIEW)  
(DEFAULT DIMENSION TOL=±0.05mm)  
(THICKNESS=1.0±0.10mm)  
" " STAND-OFF AREA

HDMI TYPE A PIN 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   |

| C   | CONTACT     | 19  | C2680-H 0.2t  | SEE PART NO.    |
|---|-------------|-----|---------------|-----------------|
| B   | SHELL       | 1   | SUS304-H 0.5t | 50u" MIN.NICKEL |
| A   | HOUSING     | 1   | LCP UL 94V-0  | BLACK           |
| NO  | DESCRIPTION | QTY | MATERIAL      | PLATING & COLOR |
| UNLESS OTHERWISE SPECIFIED TOLERANCES                   |             |     |               |                 |
| 信音科技(香港)有限公司  |             |     |               |                 |
| DECIMALS: ANGLES:                                       |             |     |               |                 |
| TITLE HDMI A TYPE FEMALE, REVERSE, SINKING, C.H=-0.75mm |             |     |               |                 |
| DWN EVEN 2021.03.23 PART NO. 2HE1783-100411F            |             |     |               |                 |
| CHKD SCALE 3.7:1 UNIT: mm                               |             |     |               |                 |
| APVD ANGEL 2021.03.23 SIZE: A3 SHEET: 1 OF 1 REV: B     |             |     |               |                 |
| <b>CUSTOMER COPY</b>                                    |             |     |               |                 |