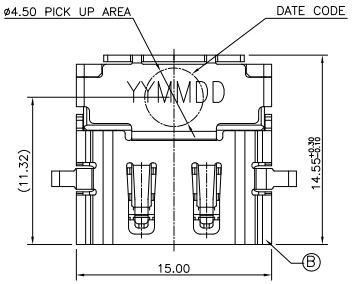
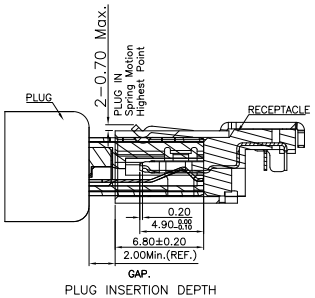
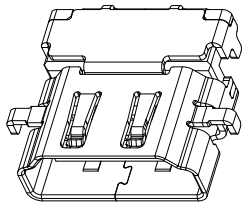
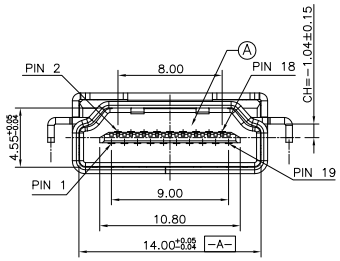
| REV. | ECN NO OR DESCRIPTION | REVISED | DATE |
|---|---|---|---|
| A | PDR RELEASE | EVEN | 2021.01.05 |

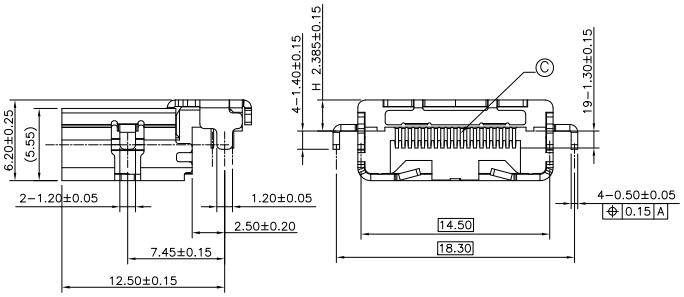


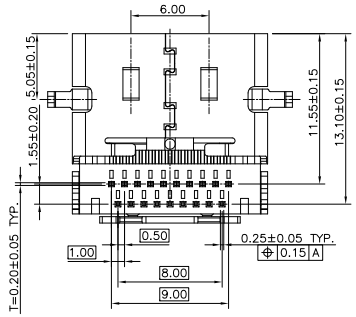



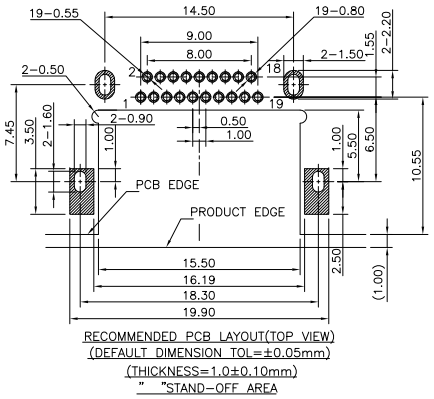
PLUG INSERTION DEPTH


3D VIEW



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

SPECIFICATIONS: (HDMI A TYPE)

1. ELECTRICAL CHARACTERISTICS:
   1-1. CURRENT RATING: 0.5 AMP.
   1-2. VOLTAGE RATING: 40V.
   1-3. INITIAL CONTACT RESISTANCEEXCLUDING CONDUCTOR RESISTANCE: 10mΩ MAX. (TARGET DESIGN VALUE). AFTER TEST: △30mΩ 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 "2HE1783-300111F SPEC".
5. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
7. PACKAGE: SEE "2HE1783-300111F" PACKAGE.
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.

PART NO.
2HE1783-300111F

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

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 |

| NO | DESCRIPTION | QTY | MATERIAL | PLATING & COLOR |
|---|---|---|---|---|
| C | CONTACT | 19 | C2680 | SEE PART NO. |
| B | SHELL | 1 | SUS304 | NICKEL 50u" MIN. |
| A | HOUSING | 1 | LCP UL 94V-0 | BLACK |

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:
X :±0.5 X :±2°
X.X :±0.3 X.X :±1°
X.XX :±0.2

信音科技(香港)有限公司

| | | | |
|---|---|---|---|
| TITLE | HDMI A TYPE FEMALE, REVERSE, SINKING, C.H=-1.04mm | | |
| DWN | EVEN 2021.01.05 | PART NO. 2HE1783-300111F | |
| CHKD | | SCALE3.7:1 | UNIT: mm |
| APVD | ANGELA2021.01.05 | SIZE: A3 | SHEET:1 OF 1 |

REV: A

CUSTOMER COPY