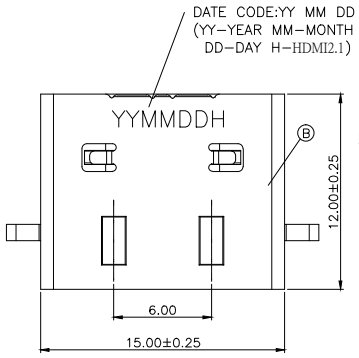
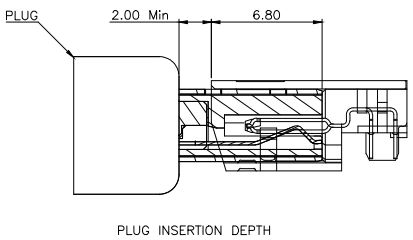
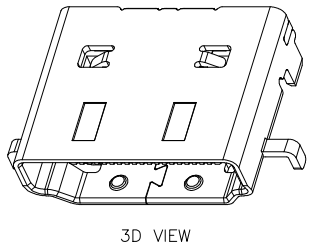
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	EVEN	2022.07.27

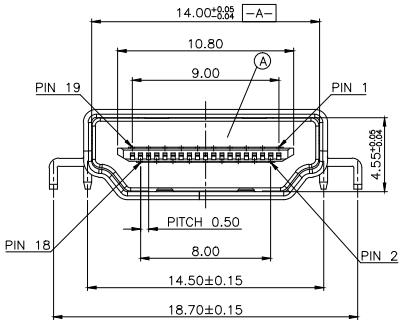


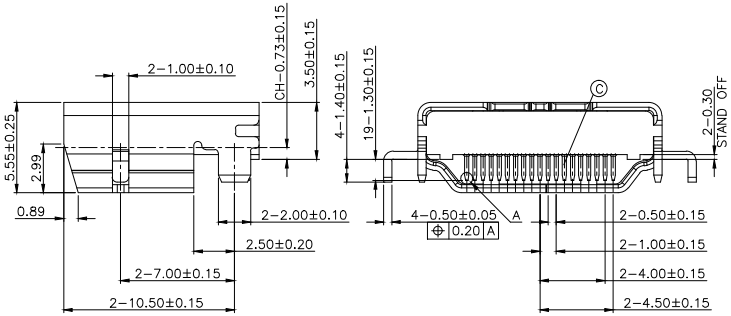


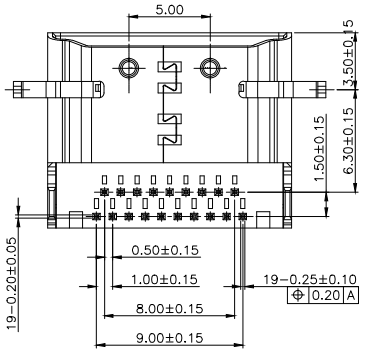


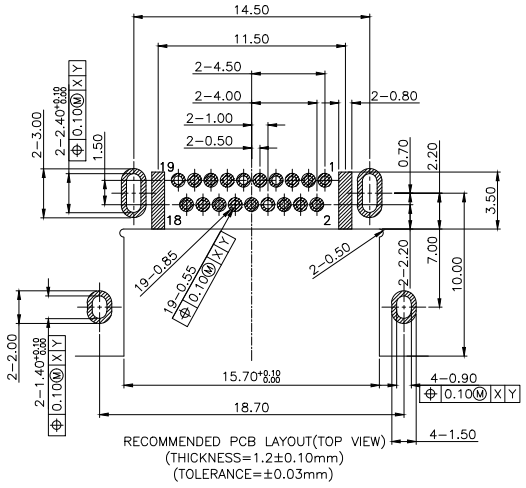
SPECIFICATIONS: (HDMI A TYPE)

1. ELECTRICAL CHARACTERISTICS:
   - 1-1. CURRENT RATING: 0.5 AMP.
   - 1-2. VOLTAGE RATING: 30V.
   - 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 "HDMI SERIES SPEC".
5. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
7. PACKAGE: SEE "2HE1813-000111F" PACKAGE.
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.









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

PART NO.
2HE1813-000111F

- SUFFIX: HALOGEN FREE
- PACKAGE
  1: TAPE AND REEL
- HOUSING COLOR
  1: BLACK
- CONTACT PLATING
  1: GOLD FLASH(1u~3u") ON CONTACT AREA, MATTE TIN 60u"~200u" MIN. ON SOLDER AREA. 50u" MIN. NI UNDER PLATING OVERALL

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

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: X :±0.38 X.X :±0.25 X.XX :±0.13 X.XXX :±0.05

ANGLES: X :±2° X.X :±1°

信音科技(香港)有限公司

TITLE	HDMI TYPE A FEMALE DIP TYPE (HDMI 2.1)		
DWN	EVEN 2022.07.27	PART NO. 2HE1813-000111F	
CHKD		SCALE1:1	UNIT: mm
APVD	ANGELA2022.07.27	SIZE: A3	SHEET:1 OF 1 REV:A

CUSTOMER COPY

文件編號 7F-02-R013-A