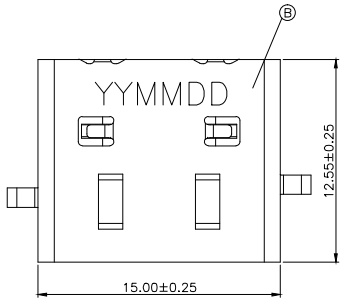
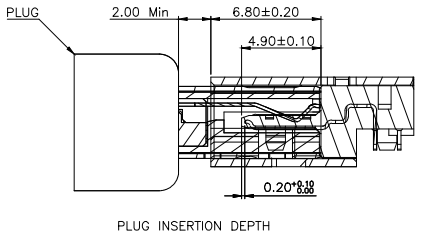
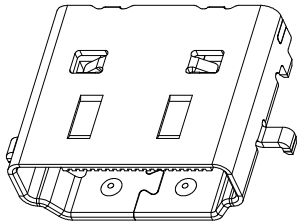
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	EVEN	2022.11.25

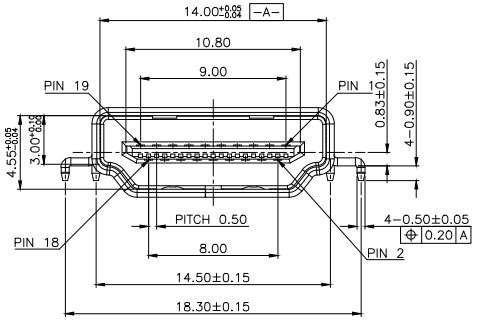


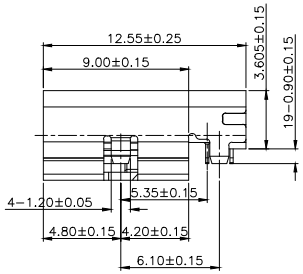


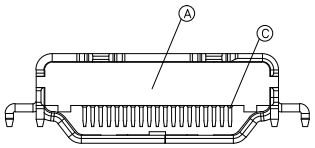
PLUG INSERTION DEPTH

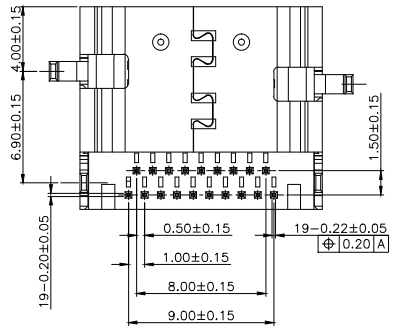


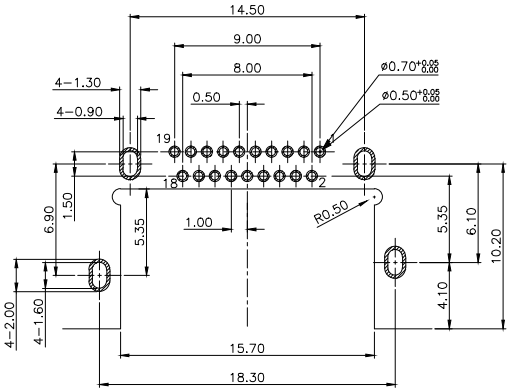
3D VIEW











RECOMMENDED PCB LAYOUT(TOP VIEW)
(THICKNESS=1.0±0.10mm)
(TOLERANCE=±0.03mm)

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

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 "2HE1824-000111F SPEC ".
5. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
7. PACKAGE: SEE "2HE1824-000111F" PACKAGE.
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.

PART NO.
2HE1824-000111F

- SUFFIX: HALOGEN FREE
- PACKAGE
  1: TAPE AND REEL
- HOUSING COLOR
  1: BLACK
- CONTACT PLATING
  1: GOLD FLASH(1~3u")ON CONTACT AREA, MATTE TIN 60u"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 :±0.5, X.X :±0.3, X.XX :±0.2
ANGLES: X :±2°, X.X :±1°

信音科技(香港)有限公司

TITLE	HDMI TYPE A FEMALE DIP TYPE		
DWN	EVEN 2022.11.25	PART NO. 2HE1824-000111F	
CHKD		SCALE1:1	UNIT: mm
APVD	TERESA 2022.11.25	SIZE: A3	SHEET:1 OF 1 REV:A

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文件編號: 7F-02-R013-A