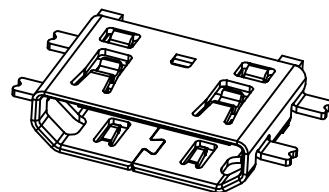
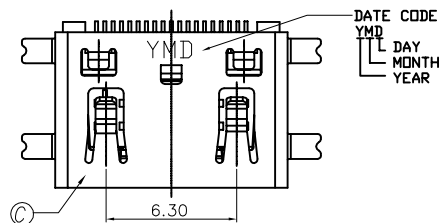


REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	IVY-C	2014.06.20



3D VIEW

HDMI TYPE A PIN ASSIGNMENT

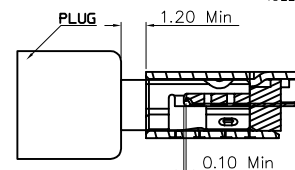
PIN	Signal Assignment
1	TMDS Data2 Shield
2	TMDS Data2+
3	TMDS Data2-
4	TMDS Data1 Shield
5	TMDS Data1+
6	TMDS Data1-
7	TMDS Data0 Shield
8	TMDS Data0+
9	TMDS Data0-
10	TMDS Clock Shield
11	TMDS Clock+
12	TMDS Clock-
13	DDC/CEC Ground
14	CEC
15	SCL
16	SDA
17	Utility
18	+5V Power
19	Hot Plug Detect

SPECIFICATIONS:

- ELECTRICAL CHARACTERISTICS:
 - CURRENT RATING: 0.5 AMP.
 - VOLTAGE RATING: 40V.
 - INITIAL CONTACT RESISTANCE EXCLUDING CONDUCTOR RESISTANCE: 10mΩ MAX (TARGET DESIGN VALUE). AFTER TEST: Δ 30mΩ MAX.
 - INSULATION RESISTANCE: 100MΩ MIN. @ 500V DC.
 - DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE.
- MECHANICAL CHARACTERISTICS:
 - INSERTION FORCE: 4.5Kgf MAX.
 - WITHDRAWAL FORCE: 0.7~2.5Kgf.
- LIFE TEST: 5,000 CYCLES.
- OTHER GENERAL SPEC. TO REFER "HDMI SERIES SPEC".
- TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
- PACKAGE: SEE "2HE1681 SERIES" PACKAGE.
- FOR REFLOW SOLDERING LEAD-FREE PROCESS.

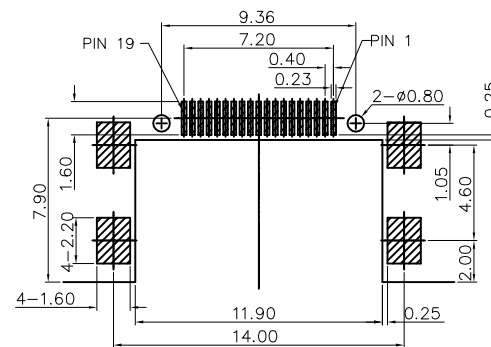
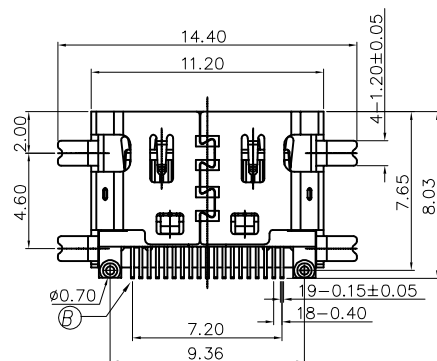
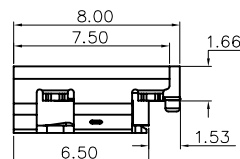
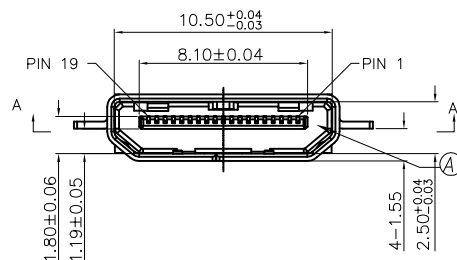


PART NO.
2HE1681-000111F

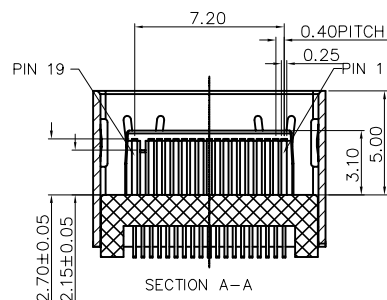


MATING DRAWING

SUFFIX: HALOGEN FREE
PACKAGE
1: TAPE AND REEL
HOUSING COLOR
1: BLACK
CONTACT PLATING
1: GOLD FLASH ON CONTACT AREA,
MATTE TIN ON SOLDER AREA.
NICKEL UNDERPLATED OVERALL



RECOMMENDED PCB LAYOUT(TOP VIEW)
(THICKNESS=0.8±0.10mm)
(TOLERANCE=±0.03mm)



SECTION A-A

D	INK		BLACK COLOR
C	SHELL	1	C2680R-H 0.35t
B	CONTACT	19	C5191R-H 0.12t
A	HOUSING	1	LCP E130i UL 94V-0
NO	DESCRIPTION	QTY	MATERIAL
UNLESS OTHERWISE SPECIFIED TOLERANCES			PLATING & COLOR
		Singatron Enterprise Co., Ltd. 信音企業股份有限公司	
DECIMALS:	ANGLES:	TITLE	MINI HDMI C TYPE FEMALE, SINKING, H=1.66mm
X :±0.5	X :±2°	DWN	IVY-C 2014.06.20
X.X :±0.3	X.X :±1°	CHKD	SCALE 3.3:1
X.XX :±0.2		APVD	ANGELA 2014.06.20
		SIZE: A3	SHEET: 1 OF 1
		REV: A	
CUSTOMER COPY			