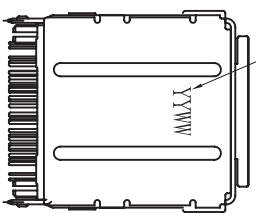
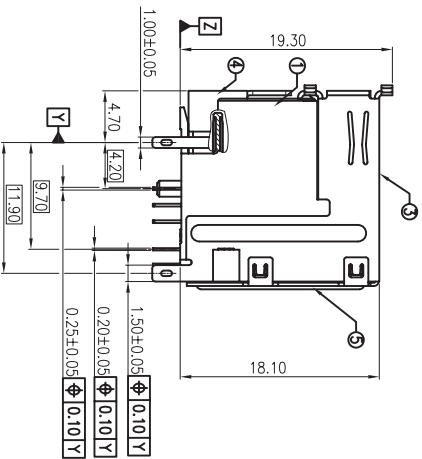
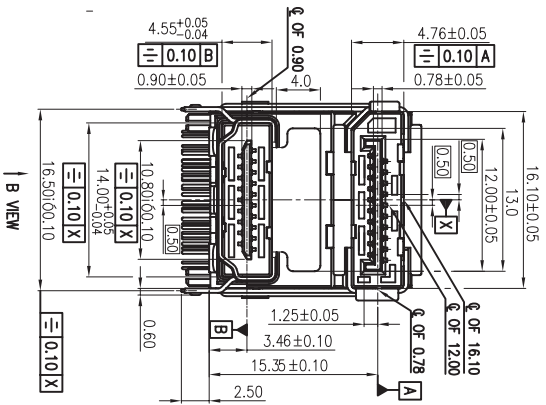


PART NO.
2HE1700-F00111H

- PACKAGE
 - 1: TRAY
 - HOUSING COLOR
 - 1: BLACK
 - CONTACT PLATING
- 1: GOLD FLASH ON CONTACT AREA,
TIN PLATED ON SOLDER AREA,
NICKEL UNDERPLATED OVERALL



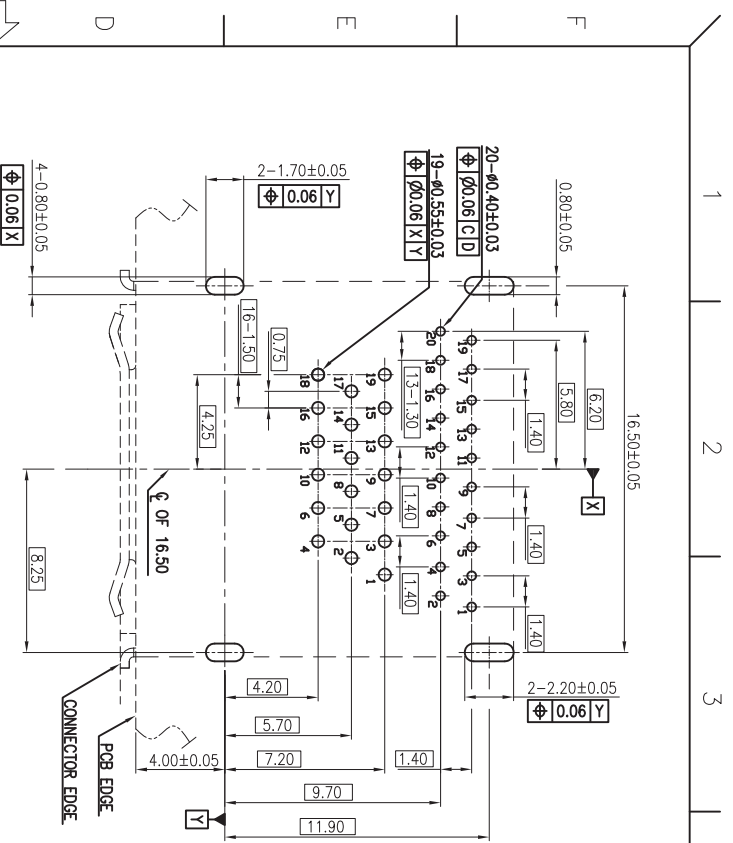
DATE CODE OPTIONAL
FRONT MAIN CODE IS YEAR CODE
BACK MAIN CODE IS WEEK CODE

REV.	ECN NO.	OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE		NY-C	2019.01.29

H	INK	-	N/A	BLACK
G	HDMI CONTACT	19	COPPER ALLOY	SEE PART NO.
F	DISPLAYPORT CONTACT	20	COPPER ALLOY	SEE PART NO.
E	BACK SHELL	1	STEEL	NICKEL PLATED
D	HDMI SHELL	1	COPPER ALLOY	NICKEL PLATED
C	DISPLAYPORT SHELL	1	COPPER ALLOY	NICKEL PLATED
B	SPACER	1	THERMOPLASTIC UL 94V-0	BLACK
A	HOUSING	1	THERMOPLASTIC UL 94V-0	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES				
DECIMALS: ANGLES:				
X :±0.5 X :±2°				
X.X :±0.3 X.X :±1°				
X.XX :±0.2				
Singatron Enterprise Co., Ltd.				
DISPLAYPORT AND HDMI COMBO RECEPTACLE DIP TYPE CONNECTOR				
TITLE	DWG IN-C-2019.01.29 PART NO. 2HE1700-F00111H			
CHKD	ANGEL2019.01.29 SCALE:3.3:1 UNIT: mm			
APVD	ANGEL2019.01.29 SIZE: A3 SHEET: 1 OF 2 REV: A			
<i>CUSTOMER COPY</i>				

A B C D E F

1 2 3 4 5 6 7 8



RECOMMENDED PCB LAYOUT (SCALE 2:1)
THICKNESS=1.6±0.10mm

- SPECIFICATIONS:
- 1. MECHANICAL:
 - 1.1 INSERTION FORCE:44.1N Max. FOR DP AND HDMI.
 - 1.2 WITHDRAWAL FORCE AFTER 2000 TIMES:
 - 1.2.1 HDMI:39.2N Max,9.8N Min.
 - 1.2.2 DISPLAYPORT:39.2N Max,9.8N Min.
 - 1.3 WITHDRAWAL FORCE AFTER 2001-10000 TIMES:
 - 1.3.1 HDMI:4.9N Min,39.2N Max.
 - 1.3.2 DISPLAYPORT:4.9N Min,39.2N Max.
 - 2.ELECTRICAL:
 - 2.1 CONTACT CURRENT RATING:
 - 2.1.1 HDMI:500mA minimum per pin
 - 2.1.2 DISPLAYPORT:500mA minimum per pin
 - 2.2 VOLTAGE RATING:
 - 2.2.1 HDMI:40V AC(RMS)
 - 2.2.2 DISPLAYPORT:40V AC(RMS)
 - 4. OTHER GENERAL SPEC. TO REFER "2HE1700 SERIES SPEC"
 - 5. TO CONFORM TO THE SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
 - 6. PACKAGE: SEE "2HE1700 SERIES" PACKAGE.
 - 7. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
 - 3. WITHSTANDING VOLTAGE(MATED):
 - 2.3.1 HDMI:300V AC(RMS)
 - 2.3.2 DISPLAYPORT:300V AC(RMS)
 - 2.4 INSULATION RESISTANCE(MATED):
 - 2.4.1 HDMI:10 MΩ min. @150V DC
 - 2.4.2 DISPLAYPORT:10 MΩ min. @150V DC
 - 2.5 CONTACT RESISTANCE:
 - 2.5.1 HDMI:10 mΩ MAX.
 - 2.5.2 DISPLAYPORT:30 mΩ MAX.
 - 3. ENVIRONMENTAL:
 - 3.1 OPERATING TEMPERATURE:
 - 3.1.1 HDMI:-25° TO +85°
 - 3.1.2 DISPLAYPORT:-25° TO +85°

DISP_LAYPORT PIN NAME	HDMI PIN NAME
1 ML_Lane 0(p)	1 TMDS Data2+
2 GND	2 TMDS Data2 Shield
3 ML_Lane 0(n)	3 TMDS Data2-
4 ML_Lane 1(p)	4 TMDS Data1+
5 GND	5 TMDS Data1 Shield
6 ML_Lane 1(n)	6 TMDS Data1-
7 ML_Lane 2(p)	7 TMDS Data0+
8 GND	8 TMDS Data0 Shield
9 ML_Lane 2(n)	9 TMDS Data0-
10 ML_Lane 3(p)	10 TMDS Clock+
11 GND	11 TMDS Clock Shield
12 ML_Lane 3(n)	12 TMDS Clock-
13 GND	13 CEC
14 GND	14 Utility
15 AUX CH (p)	15 SCL
16 GND	16 SDA
17 AUX CH (n)	17 DDCC/CEC Ground
18 Hot Plug Detect	18 +5V Power
19 Return	19 Hot Plug Detect
20 DP_pWR	

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES				
DECIMALS: ANGLES:				
X	:±0.5	X	:±2°	
X.X	:±0.3	X.X	:±1°	
X.XX	:±0.2			
Singatron Enterprise Co., Ltd.				
DISP_LAYPORT AND HDMI COMBO RECEPTACLE DIP TYPE CONNECTOR				
DWN	M-C:20190129	PART NO.2HE1700-F00111H		
CHKD	AMEE20190129	SCALE3:3:1	UNIT: mm	
APVD	AMEE20190129	SIZE: A3	SHEET: 2 OF 2	REV: A

CUSTOMER COPY

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	NY-C	2019.01.29