

Halogen Free

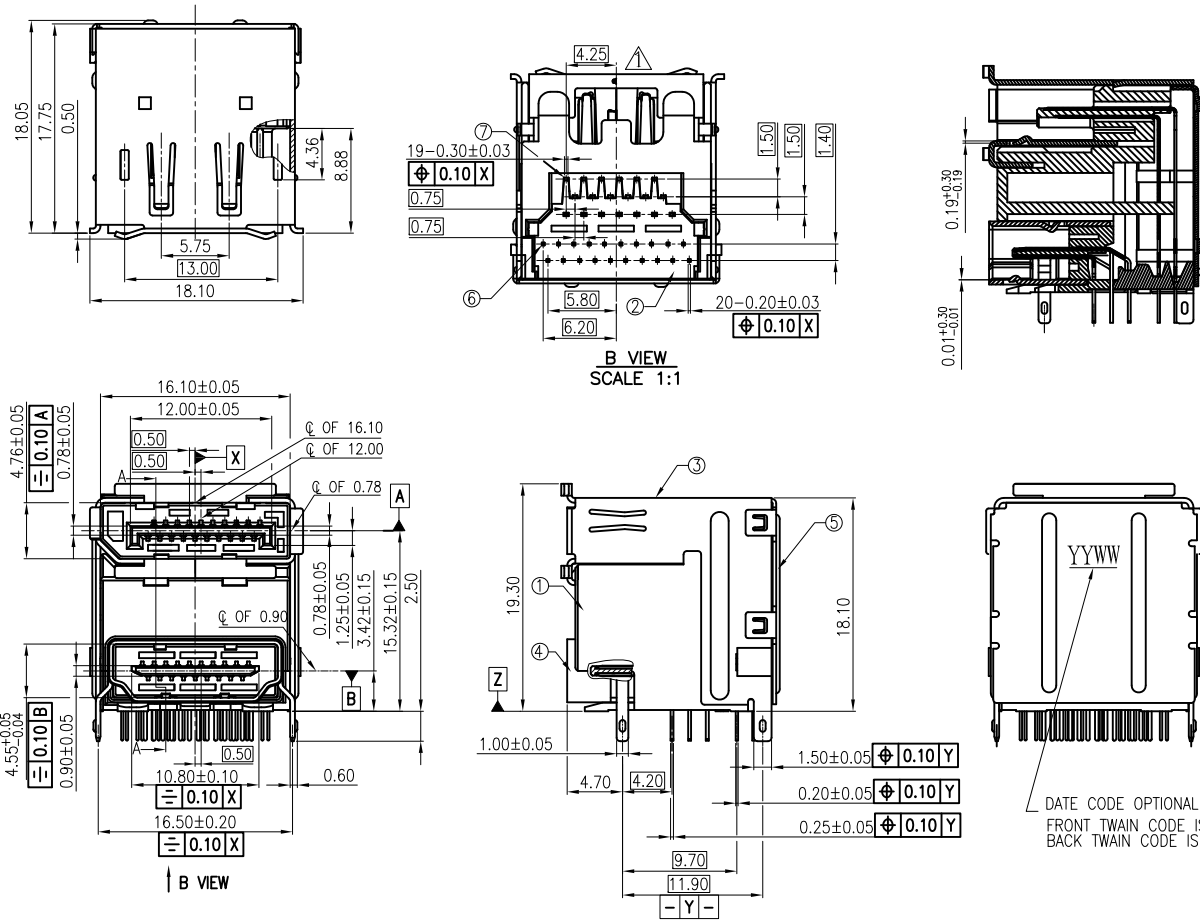


TABLE A:

ITEM	PART NAME	Q'TY	MATERIALS	NOTES
⑦	HDMI CONTACT	19	COPPER ALLOY	SELECTIVER 30u" GOLD OVER Ni
⑥	DISPLAYPORT CONTACT	20	COPPER ALLOY	SELECTIVER 30u" GOLD OVER Ni
⑤	BACK SHELL	1	STEEL	Cu UNDER PLATING Ni OVER
④	HDMI SHELL	1	COPPER ALLOY	Cu UNDER PLATING Ni OVER
③	DISPLAYPORT SHELL	1	COPPER ALLOY	Cu UNDER PLATING Ni OVER
②	SPACER	1	THERMOPLASTIC	UL94V-0, LCP, BLACK
①	HOUSING	1	THERMOPLASTIC	UL94V-0, LCP, BLACK

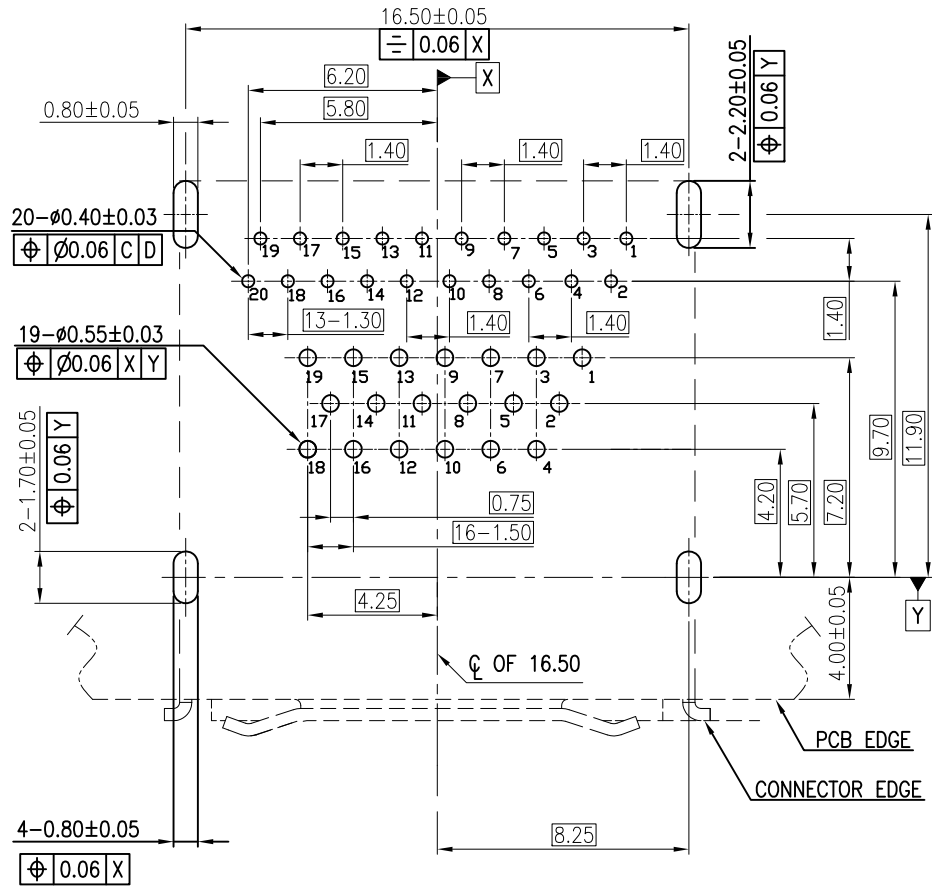
Singatron Enterprise Co., Ltd.

TITLE	DISPLAYPORT ADD HDMI COMBO RECEPTACLE DIP TYPE CONNECTOR			
DWN	Guang	PART NO. 2HE1700-000311F		
CHKD	22/05/24	SCALE 1:1	UNIT: mm	
APVD		SIZE: A3	SHEET: 1 OF 2	REV: B

CUSTOMER COPY

TOLERANCE UNLESS SPECIFIED:	
.000	± 0.10
.00	± 0.15
.0	± 0.25
.	± 0.50
ANGLE	± 1°

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

DisplayPort PIN Number	Signal Name	HDMI TYPE A PIN Number	Signal Name
A1	LANE_OP	B1	TMDS_DATA2+
A2	GND1	B2	TMDS_DATA2_SHIELD
A3	LANE_ON	B3	TMDS_DATA2-
A4	LANE_1P	B4	TMDS_DATA1+
A5	GND2	B5	TMDS_DATA1_SHIELD
A6	LANE_1N	B6	TMDS_DATA1-
A7	LANE_2P	B7	TMDS_DATA0+
A8	GND3	B8	TMDS_DATA0_SHIELD
A9	LANE_2N	B9	TMDS_DATA0-
A10	LANE_3P	B10	TMDS_CLK+
A11	GND4	B11	TMDS_CLK_SHIELD
A12	LANE_3N	B12	TMDS_CLK-
A13	CONFIG1	B13	CEC
A14	CONFIG2	B14	RESERVED
A15	AUX_P	B15	SCL
A16	GND5	B16	SDA
A17	AUX_N	B17	DDC_CEC GROUND
A18	HPD	B18	+5 POWER
A19	Return DP PWR	B19	HOT PLUG DETECT
A20	DP_PWR		

NOTE:

- 1. MECHANICAL:
 - 1.1 INSERTION FORCE:
 - 1.1.1 HDMI:44.1N MAX
 - 1.1.2 DISPLAYPORT:44.1MAX
 - 2.1 WITHDRAWAL FORCE:
 - 2.1.1 HDMI:9.8N MIN,39.2N MAX
 - 2.1.2 DISPLAYPORT:9.8N MIN,39.2N MAX
- 2.ELECTRICAL:
 - 2.1 CONTACT CURRENT RATING:
 - 2.1.1 HDMI:0.5A MAX
 - 2.1.2 DISPLAYPORT:0.5A MAX
 - 2.2 VOLTAGE RATING:
 - 2.2.1 HDMI:40V AC(RMS)
 - 2.2.2 DISPLAYPORT:40V AC(RMS)
- 3. ENVIRONMENTAL:
 - 3.1 OPERATING TEMPERATURE:
 - 3.1.1 HDMI:-25° TO +85°
 - 3.1.2 DISPLAYPORT:-25° TO +85°
 - 3.2 WITHSTANDING VOLTAGE(MATED):
 - 3.2.1 HDMI:300V AC(RMS)
 - 3.2.2 DISPLAYPORT:300V AC(RMS)
 - 3.3 INSULATION RESISTANCE(MATED):
 - 3.3.1 HDMI:150V DC
 - 3.3.2 DISPLAYPORT:150V DC

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APVD		SIZE: A3	SHEET: 2 OF 2	REV: B
CUSTOMER COPY				

TOLERANCE UNLESS SPECIFIED:	
.0 0 0	± 0.10
.0 0	± 0.15
.0	± 0.25
.	± 0.50
ANGLE	± 1°