

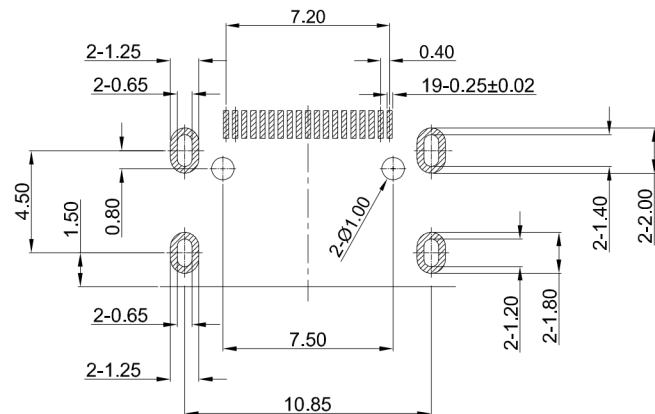
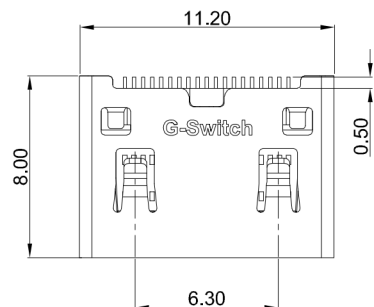
A

B

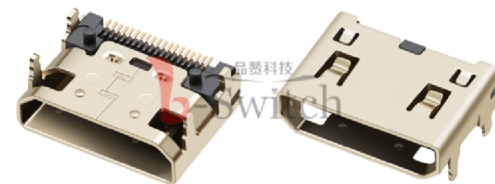
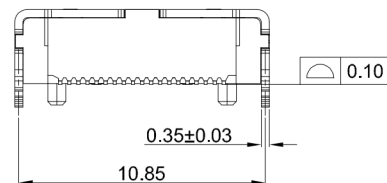
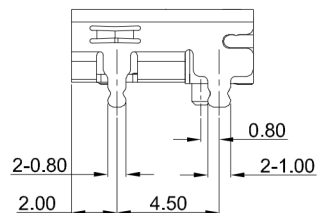
C

D

E



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



GT-HD005A-C G N GX

DETAIL

A=Insert front and stick
back witch column

Shell Material

C=Copper alloy

Shell Plating

G=Gold

Housing Colour

N=Black

Terminal Plating

G0=G/F

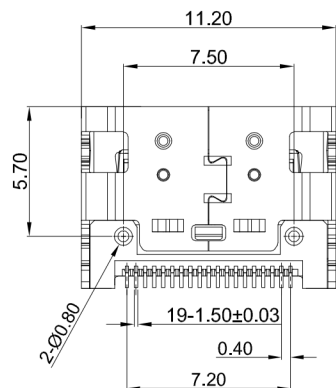
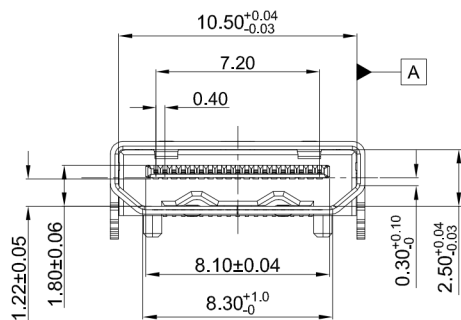
G1=1u

G3=3u

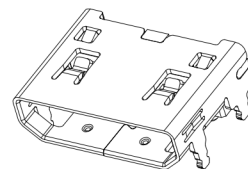
G5=5u

G-Switch HDMI Specification:

- 1.Current rated: 0.5A 5V AC/DC
- 2.Withstanding voltage: 500V AC/minute unmated
- 3.Contact resistance: 30mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -55°C ~ +105°C
- 6.Mating force: 44.1N
- 7.Unmating force: 7N~25N,After durability: 3N~25N
- 8.Durability cycle: 10000 cycles



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



1	SHELL	COPPER ALLOY	Au PLATED
2	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
3	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
NO.	PARTS	MATERIAL	REMARKS



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:

X..x ±0.35
X..xx ±0.25
X..xxx ±0.15
X* ±2°

Title: Horizontal HDMI 19P CF 1.4
SMT CH=1.95 L=8.00mm

Molde Code: GT-HD005A-CGNGX

DRAWN	CHECKED	APPROVED	DATE
Jiang	Xia	Chen	2023.02.01

品赞科技
b-Switch
www.dg-switch.com

REV: A0

SHEET: 1/1

A

B

C

D

E