

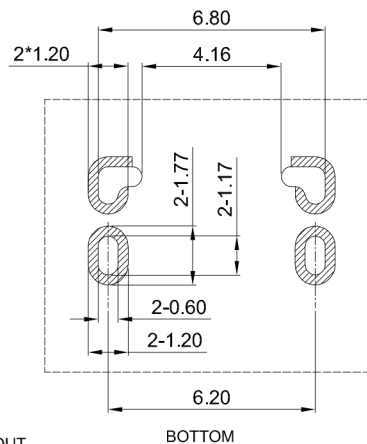
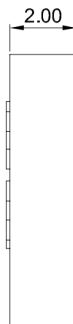
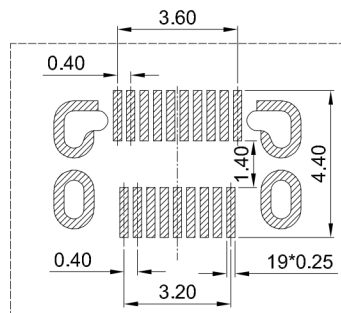
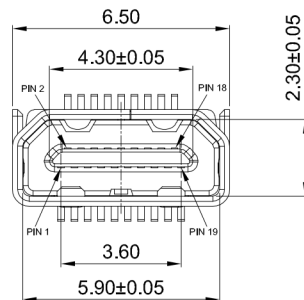
A

B

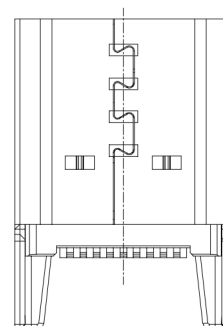
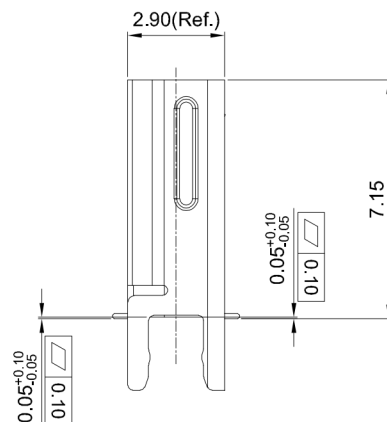
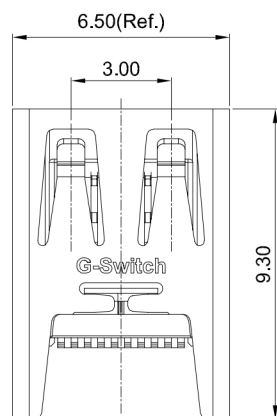
C

D

E



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



GT-HD010A-S N N GX

DETAIL
A=SMT

Shell Material
S=SUS

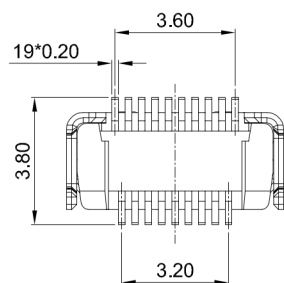
Shell Plating
N=Ni

Housing Colour
N=Black

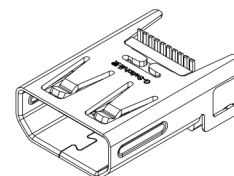
Terminal Plating
G0=G/F
G1=1u
G3=3u
G5=5u

G-Switch HDMI Specification:

- 1.Current rated: 0.3A 5V AC/DC
- 2.Withstanding voltage: 250V AC/minute unmated
- 3.Contact resistance: 40mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -40°C ~ +85°C
- 6.Mating force: 44.1N
- 7.Unmating force: 5N~25N,After durability: 3N~25N
- 8.Durability cycle: 5000 cycles



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



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:

X. ±0.40
X.x ±0.35
X.xx ±0.25
X* ±5°

Title: Vertical HDMI 19P DF1.4 SMT H=7.15mm

Molde Code: GT-HD010A-SNNGX

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

品赞科技®
b-Switch
www.dg-switch.com

REV: A0

SHEET: 1/1

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL304	Ni PLATED
2	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
3	TERMINALS	COPPER ALLOY C5191	Au PLATING ON CONTACT AREA



RoHS
Compliant
EU RoHS Standards



A

B

C

D

E