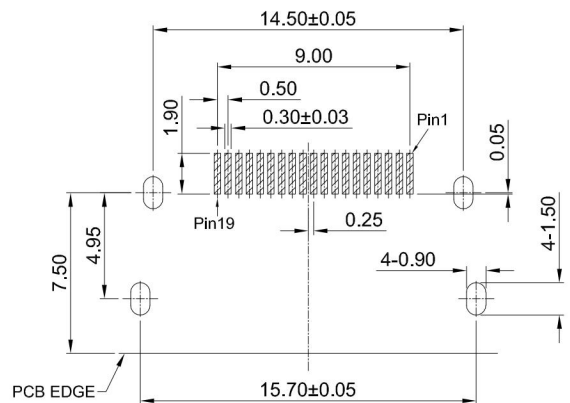
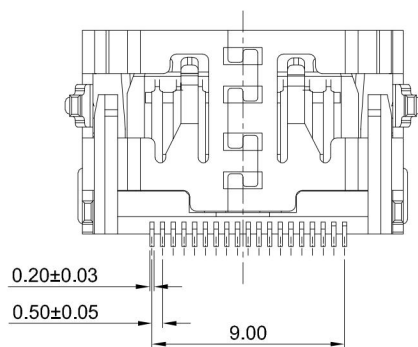
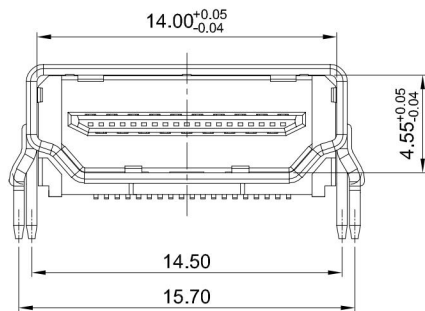
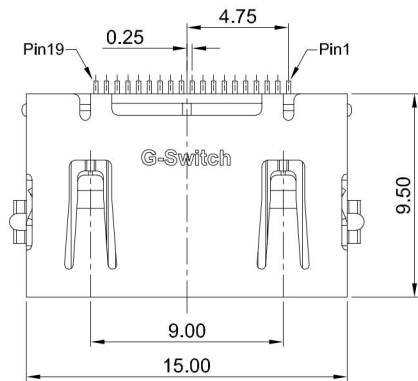
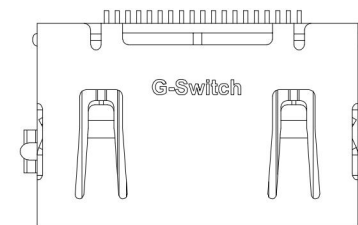




RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

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



GT-HD016A-F N N GX

DETAIL

Shell Material
F=Ferroalloy

Shell Plating
N=Ni

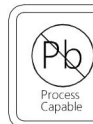
Housing Colour
N=Black

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

G-Switch HDMI Specification:

- 1.Current rated: 0.5A 5V AC/DC
- 2.Withstanding voltage: 500V AC/minute unmated
- 3.Contact resistance: 30mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -40°C ~ +85°C
- 6.Mating force: 44.1N
- 7.Unmating force: 9.8N~39.2N,After durability: 3N~25N
- 8.Durability cycle: 10,000 cycles

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



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:

X. ±0.40
X.x ±0.30
X.xx ±0.20
X* ±5°

Title: Horizontal HDMI 19P AF 1.4
SMT CH=3.42 L=9.5mm

Molde Code: GT-HD016A-FNNGX

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