

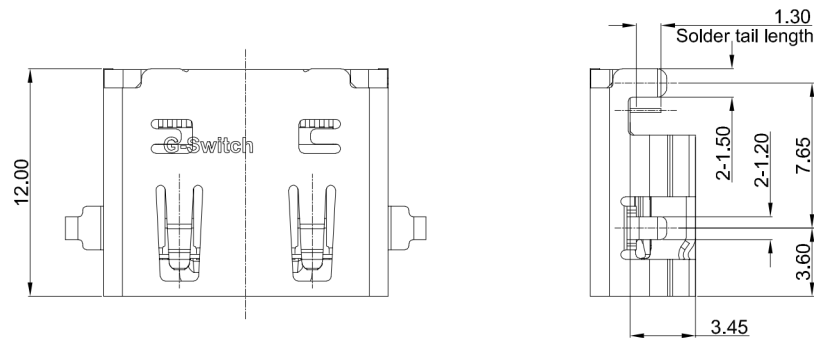
A

B

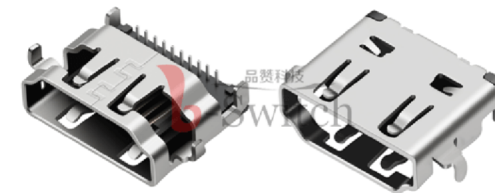
C

D

E



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-HD003A-X X N GX

DETAIL

A=19pin AF Sink3.45 DIP
B=19pin AF Sink2.03 DIP
C=19pin AF Sink2.16 DIP

Shell Material

C=Copper alloy
S=Stainless

Shell Plating

N=Ni
G=Gold

Housing Colour

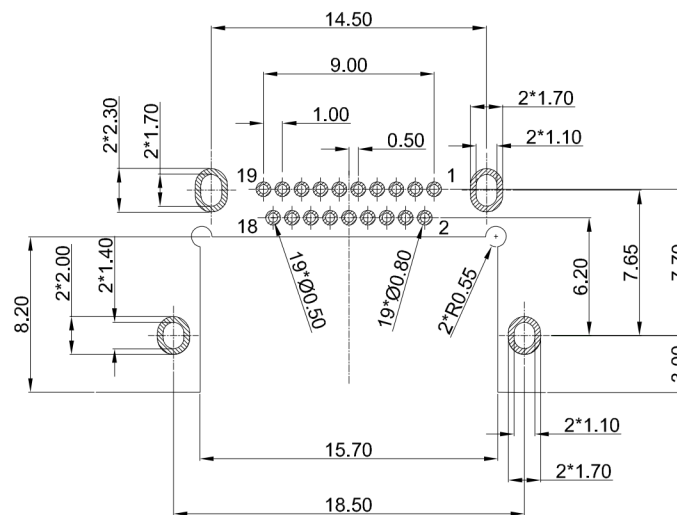
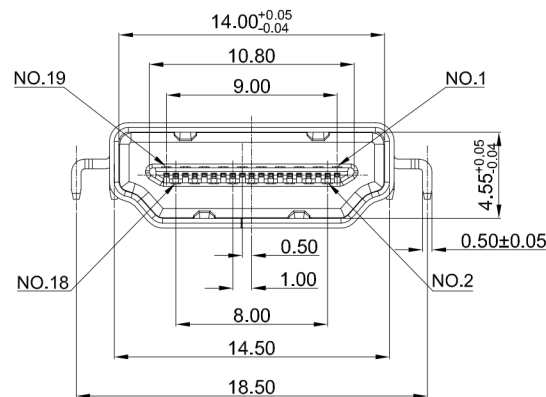
N=Black

Terminal Plating

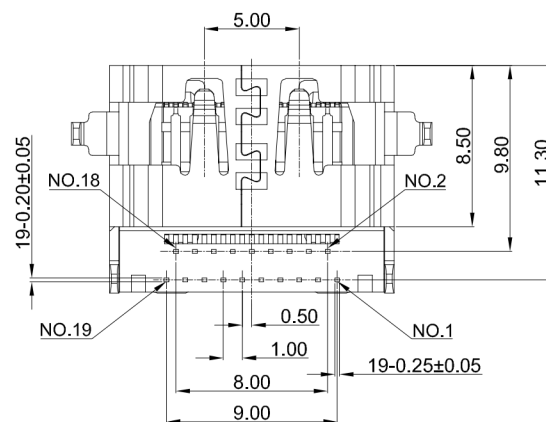
G0=G/F G5=5u
G1=1u G15=15u
G3=3u G30=30u

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: -25°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



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



NO.	PARTS	MATERIAL	REMARKS
1	SHELL	COPPER ALLOY/STAINLESS STEEL	Ni/Au PLATED
2	HOUSING	HIGH TEMPERATURE PLASTIC	LCP 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..x ±0.35
X.xx ±0.25
X.xxx ±0.15
X" ±2°

Title: Horizontal HDMI 19P AF 1.4/2.1
Mid-Mout3.45 DIP CH=0.49 L=12.00mm

Molde Code: GT-HD003A-XXNGX

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