

A

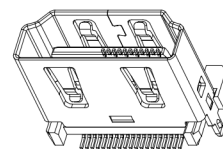
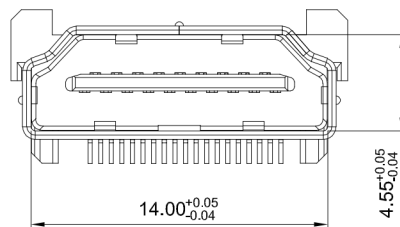
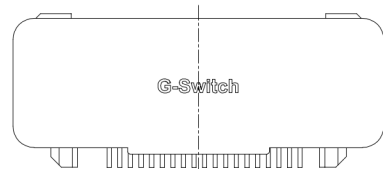
B

C

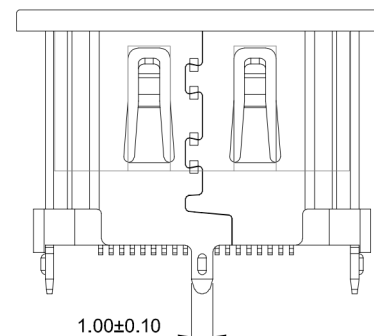
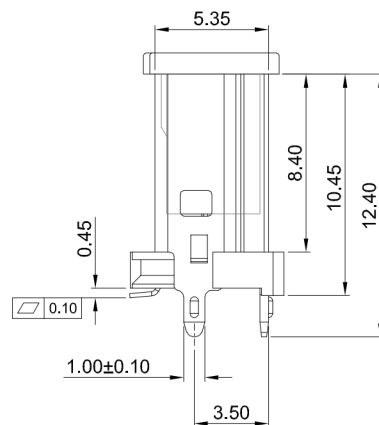
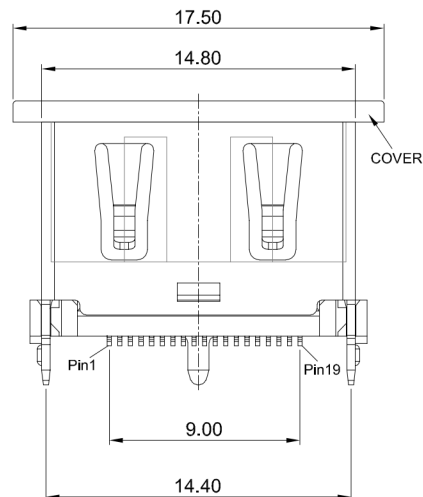
D

E

1



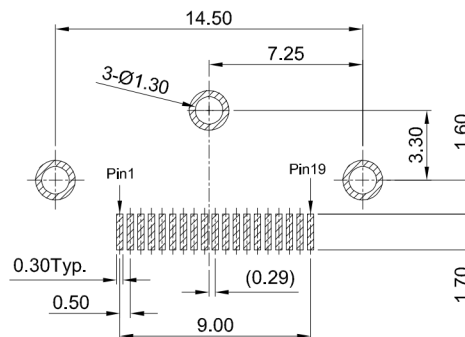
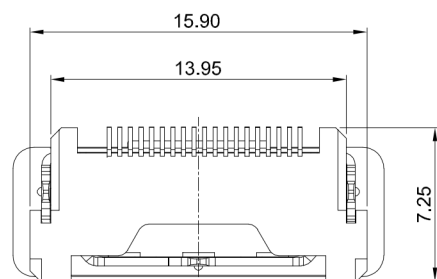
2



GT-HD011A-C N N GX

DETAIL
A:H=10.45Shell Material
C=Copper alloyShell Plating
N=NiHousing Colour
N=BlackTerminal Plating
G0=G/F
G1=1u
G3=3u
G5=5u

3

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+		

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: 9.8N~39.2N,After durability: 3N~25N
- 8.Durability cycle: 10,000 cycles

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NO.	PARTS	MATERIAL	REMARKS
1	SHELL	COPPER ALLOY C2680	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 StandardsSCALE: 1:1 UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:X. ±0.40
X.x ±0.30
X.xx ±0.20
X* ±5°

Title: Vertical HDMI 19P AF1.4 SMT H=10.45mm

Molde Code: GT-HD011A-CNNGX

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

品赞科技®
www.dg-switch.com

REV: A0

SHEET: 1/1

A

B

C

D

E