

A

B

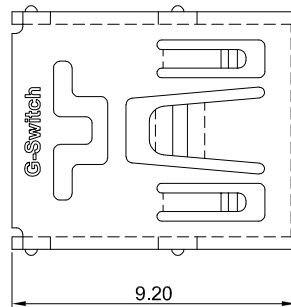
C

D

E

1

1



2

2

GT-MN002F-C N N GX

DETAIL

F=No flanging no column

Shell Material

C=Copper alloy

Shell Plating

N=Ni

Housing Colour

N=Black

Terminal Plating

G0=G/F

G1=1u

G3=3u

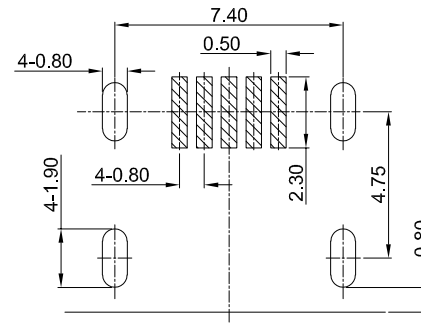
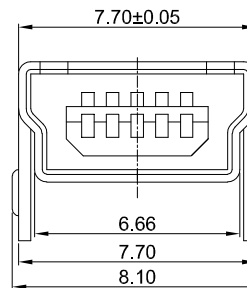
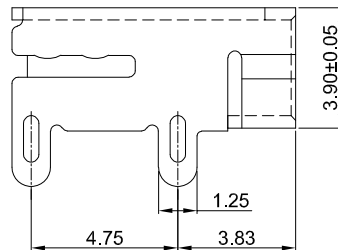
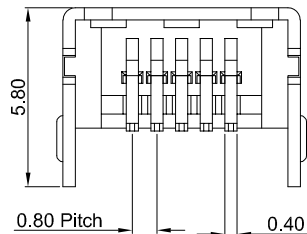
G5=5u

G-Switch Specification:

- 1.Current rating: 1A 30V
- 2.Dielectric withstanding voltage: 100 V(AC) for 1 min.
- 3.Contact resistance: 30 mΩ Max.
- 4.Insulation resistance: 100 MΩ Min.
- 5.Mating force: 3.0 Kgf Max.
- 6.Unmating force: 0.70 Kgf Min.
- 7.Terminal Retenion:0.5 Kgf Min.
- 8.Temperature range: -30°C ~ +80°C

3

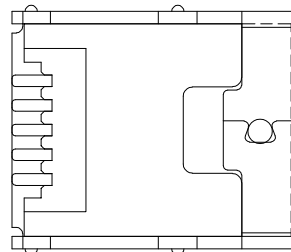
3

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

4

4

5	GND
4	ID
3	D+
2	D-
1	VBUS
PIN	NAME
PIN ASSIGNMENT	



5

5

1	SHELL	COPPER ALLOY	NI PLATED
2	HOUSING	HIGH TEMPERATURE PLASTIC	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.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X° ±5°Title: Horizontal MINI USB 5Pin 2.0 BF
SMT L=9.2mm

Molde Code: GT-MN002F-CNNGX

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0

SHEET: 1/1

A

B

C

D

E