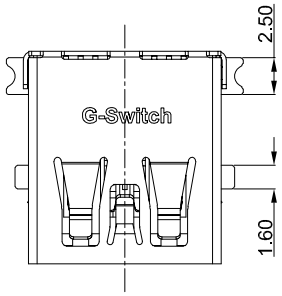
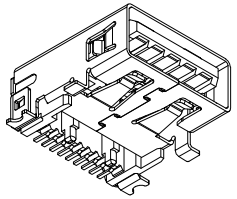
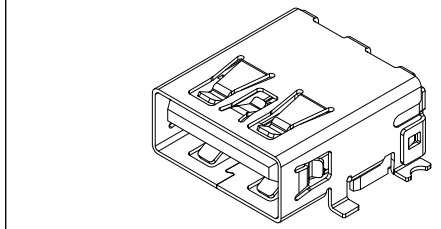
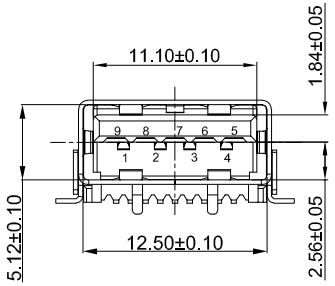
New Molde Code	Old Molde Code
GT-3AF002A-CXNXXX-XX	GT-3A005E-CNXGX

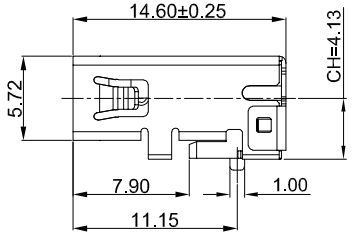


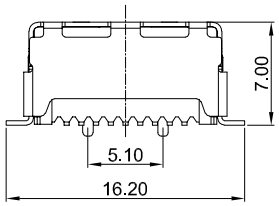


PIN ASSIGNMENT	
9	TX+
8	TX-
7	GND
6	RX+
5	RX-
4	GND
3	DP+
2	DM-
1	VBUS



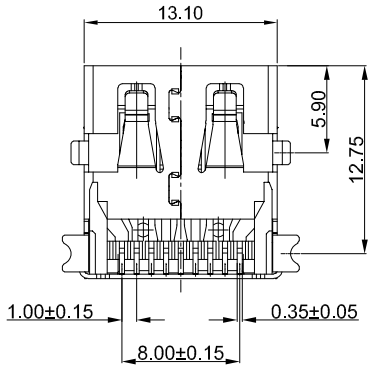


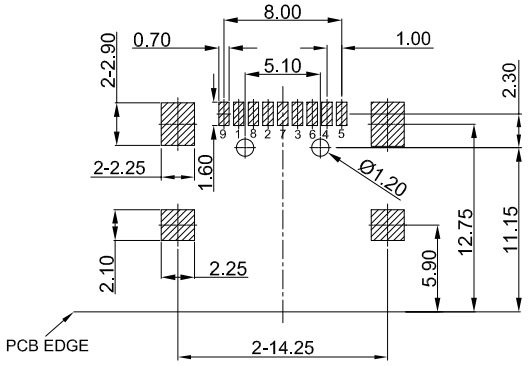




GT - 3 AF 002 A - C X N X XX - XX

- **USB Version** — 3=USB3.0
- **USB Port Types** — AF=Type-A Female
- **Serial code**
- **Specification** — A
- **Detail** — C=No flanging with column
- **Shell Material** — C=Copper alloy; S=SUS
- **Shell Plated** — N=Ni
- **Housing Colour** — B=Blue(LCP); N=Black(LCP)
- **Contact Plated** — 00=G/F; 01=1μ"; 03=3μ"; 05=5μ"; 15=15μ"; 30=30μ"
- **Salt spray** — 24=24H; 48=48H





PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

G-Switch USB-3.0 Specification:

1. Current rated: 1.5A
2. Voltage rating: 30V AC/DC
3. Dielectnic withstanding Voitage:500V AC
4. Contact resistance: 30mΩ Max
5. Insulation resistance: 1,000MΩ Min
6. Mating force: 35N Max
7. Unmating force: 10N Min
8. Terminal Retenion: 1.2kgf Min
9. Durability cycle:3,000(Copper):5,000(SUS) cycles
10. Operating temperature: -40°C ~ +85°C

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	COPPER ALLOY/STAINLESS STEEL	Ni PLATED
2	HOUSING	LCP	BLACK UL 94V-0
3	TERMINALS	COPPER ALLOY	Au PLATED ON CONTACT AREA Tin PLATING ON SOLDER AREA

Pb Process Capable — RoHS Compliant — EU RoHS Standards

SCALE: 1:1	UNIT: mm	Title:	Horizontal USB 3.0 AF SMT CH=4.13 L=14.60mm
SIZE: A4			
Unless otherwise General Tolerance: X.x ±0.30 X.xx ±0.20 X.x° ±3°		Molde Code:	GT-3AF002A-CXNXXX-XX
DRAWN: Wu	CHECKED: Xia	APPROVED: Chen	DATE: 2025.08.07
REV: A0		SHEET: 1/1	

品赞科技 G-Switch www.dg-switch.com