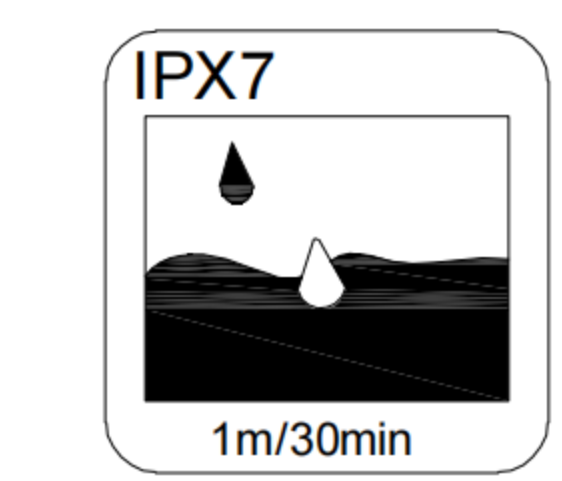


G-Switch USB-C Specification:

- Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V AC
- Withstanding voltage: 100V AC/minute
- Contact resistance: 40mΩ Max
- Insulation resistance: 100MΩ Min
- Operating temperature: -40°C ~ +85°C
- Mating force: 5N~20N
- Unmating force: 8N~20N
- Durability cycle: 10,000 cycles
- Data transmission rate up to 5Gbps
- Waterproof grade: IP-X7

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First



1	COVER SHELL-LOWER	STAINLESS STEEL	Ni PLATED	
2	COVER SHELL-UPPER	STAINLESS STEEL	Ni PLATED	
3	SHELL	STAINLESS STEEL	Ni PLATED	
4	MID PLATE	STAINLESS STEEL	Ni PLATED	
5	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0	
6	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA	
7	POTTING	SILICONE		
NO.	PARTS	MATERIAL	REMARKS	

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

Pb Process Capable

RoHS Compliant
EU RoHS Standards

HALOGEN Compliant
Halogen Free

SCALE: 1:1	UNIT: mm	Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	
SIZE: A4		Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	
Unless otherwise General Tolerance:		Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	
X.	±0.25	Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	
X.x	±0.20	Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	
X.xx	±0.15	Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	
X.xxx	±0.10	Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	
X°	±5°	Title: Horizontal Type-c 24P Female SMT Sink 1.32 CH=0.36 L=8.35mm	

品赞科技

b-Switch
www.dg-switch.com

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

REV: A0 SHEET: 1/1