

G-Switch USB-C Specification:

1. Current rated: 7A on vbus and gnd
Voltage rating: 30V AC
2. Withstanding voltage: 100V AC/minute
3. Contact resistance: 40mΩ Max
4. Insulation resistance: 100MΩ Min
5. Operating temperature: -40°C ~ +85°C
6. Mating force: 5N~20N
7. Unmating force: 8N~20N
8. Durability cycle: 10,000 cycles
9. Data transmission rate up to 5Gbps
10. Waterproof grade: IP-X8.

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

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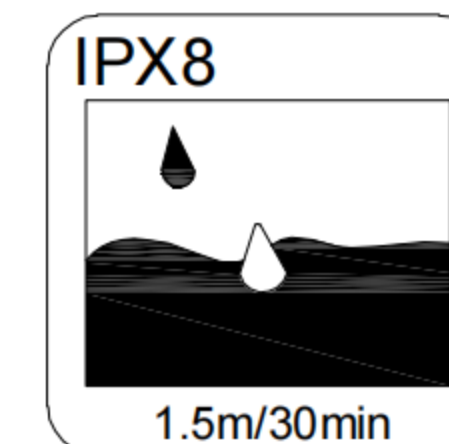
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1	RUBBER	SILICA GEL	RED/SHORE A 40°±5°
2	TOP SHELL	SUS 316	Ni PLATED
3	DOWN SHELL	SUS 301	RINSE
4	FRONT SHELL	SUS 316	RINSE
5	OUTER SHELL	SUS 316	RINSE
6	INNER SHELL	SUS 316	RINSE
7	GROUND PLATE	SUS 301	Ni PLATED,Au SOLDER AREA
8	TOP TERMINALS	C18400	Au PLATING ON CONTACT AREA
9	DOWN TERMINALS	C18400	
10	INSERT MOLD	PA46	UL94V-0 BLACK
NO.	PARTS	MATERIAL	REMARKS



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:
X. ±0.25
X.x ±0.20
X.xx ±0.15
X.xxx ±0.10
X° ±5°

Title: Horizontal Type-c 24P Female
SMT Sink 1.45 CH=0.25 L=8.0mm

Molde Code: GT-USB-7045E

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 1/1