

A

B

C

D

E

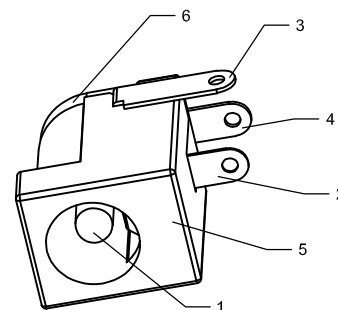
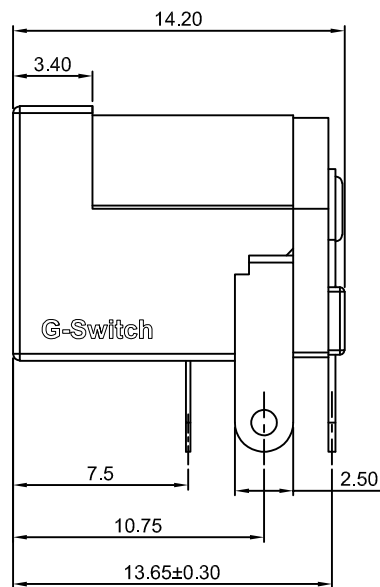
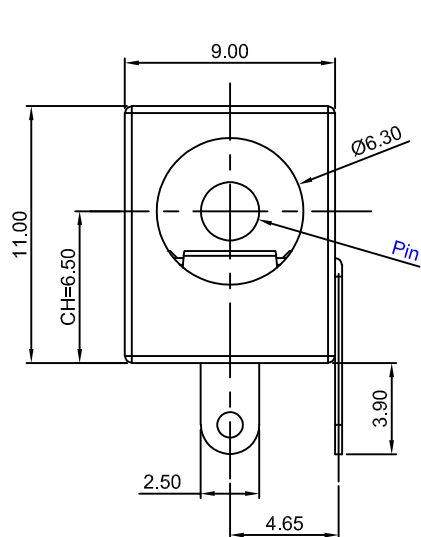
A

B

C

D

E



DC - S 039 A - DXXX - 5A

G-Switch

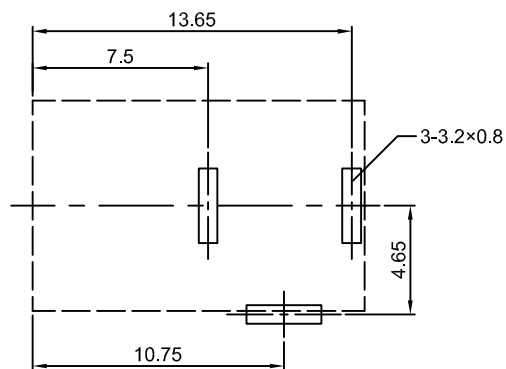
Interface Type  
S=Socket

Product No

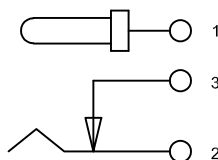
Detail  
A=Three Feet

Electric Current

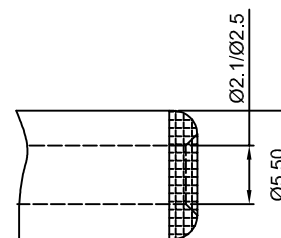
Needle Diameter  
D020=2.0mm  
D025=2.5mm



PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05



CIRCUIT DIAGRAM



MATING PLUG

#### G-Switch Specification:

1. Operating temperature range: -40°C ~ +85°C
2. Rated load: 5A.20V DC
3. Insulation resistance: 100MΩ min
4. Withstand voltage: 500V AC/min
5. Contact resistance: 30mΩ max
6. Durability cycle: 5000 Cycles
7. Insertion and extraction force: 3-30N

|     |               |                       |               |
|-----|---------------|-----------------------|---------------|
| 6   | COVER         | PA66 BROIL850 UL94V-0 | BLACK         |
| 5   | HOUSING       | PA66 BROIL850 UL94V-0 | BLACK         |
| 4   | FLAT PLATE    | COPPER ALLOY          | Cu Tin PLATED |
| 3   | BENDING PIECE | COPPER ALLOY          | Cu Tin PLATED |
| 2   | REED          | PHOSPHOR COPPER       | Tin PLATED    |
| 1   | PIN           | COPPER ALLOY          | Cu Tin PLATED |
| NO. | PART NAME     | MATERIAL              | REMARK        |



|                                        |                                                                                       |                                                                    |         |          |            |                                                                                                                                                                                                                                                     |            |
|----------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------|----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| SCALE: 1:1                             | UNIT: mm                                                                              | Title: Horizontal DC Power Jack 5525/5521<br>DIP CH=6.5 Ø2.0/2.5mm |         |          |            | <div><div>品贊科技<br/>b-Switch<br/>www.dg-switch.com</div></div> <div></div> |            |
| SIZE: A4                               |  | Molde Code: DC-S039A-DXXX-5A                                       |         |          |            |                                                                                                                                                                                                                                                     |            |
| Unless otherwise<br>General tolerance: |                                                                                       | DRAWN                                                              | CHECKED | APPROVED | DATE       |                                                                                                                                                                                                                                                     |            |
| X.                                     | ±0.40                                                                                 | Wu                                                                 | Xia     | Chen     | 2025.05.19 | REV: A0                                                                                                                                                                                                                                             | SHEET: 1/1 |
| X.x                                    | ±0.30                                                                                 |                                                                    |         |          |            |                                                                                                                                                                                                                                                     |            |
| X.xx                                   | ±0.20                                                                                 |                                                                    |         |          |            |                                                                                                                                                                                                                                                     |            |
| X°                                     | ±3°                                                                                   |                                                                    |         |          |            |                                                                                                                                                                                                                                                     |            |