

HX116KG4082G SP16T Switch

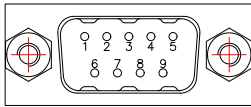
1. Description

| ID | Items | Specifications |
|------|-------------------------|-------------------------|
| 1-1 | Type | Absorptive SP16T Switch |
| 1-2 | Frequency Range | 0.3GHz ~ 8.5GHz |
| 1-3 | Isolation | ≥80dB |
| 1-4 | Insertion Loss | ≤3.5dB |
| 1-5 | VSWR | ≤1.6 |
| 1-6 | Impedance | 50Ω |
| 1-7 | RF Input Power | 2W |
| 1-8 | Switching Speed | ≤200ns |
| 1-9 | Input/Output Connectors | SMA-F |
| 1-10 | Control Connectors | DB9-Male |
| 1-11 | Control | TTL=0V/3.3V ~ 5V |
| 1-12 | DC Power Supply | +5V/≤800mA |

2. Environmental Specifications

| ID | Items | Specifications |
|-----|-------------------------|----------------|
| 2-1 | Operational Temperature | -40°C ~ +70°C |
| 2-2 | Storage Temperature | -55°C ~ +85°C |

3. Interface

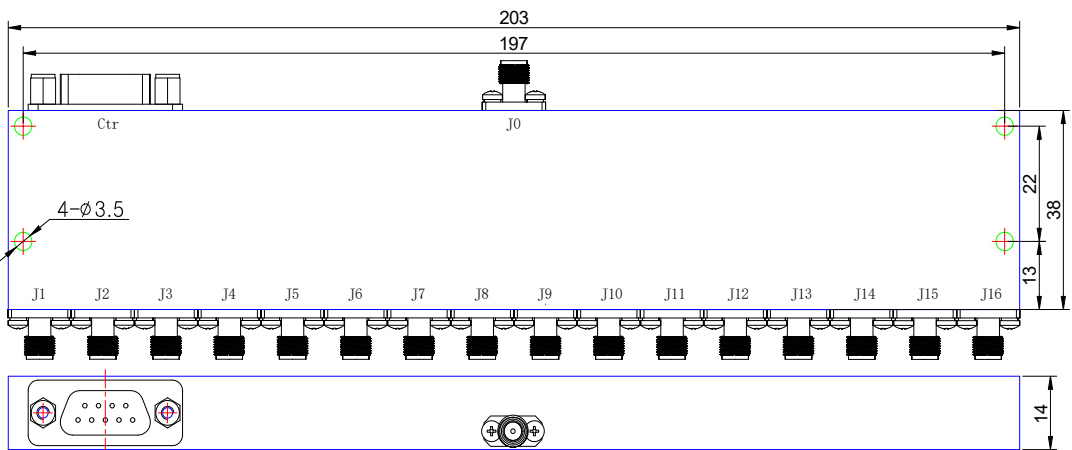
| ID | Items | Specifications |
|---|--------------------|-----------------------|
| 3-1 | Control Connectors | DB9-Male |
|  | | |
| 3-2 | NO | Specifications |
| | 1 | C1 |
| | 2 | C2 |
| | 3 | C3 |
| | 4 | C4 |
| | 5 | C5 |
| | 6 | NC |
| | 7 | +5V |
| | 8 | NC |
| | 9 | GND |

4. Truth Table

| ID | C5 | C4 | C3 | C2 | C1 | Signal Path State |
|----|----|----|----|----|----|-------------------|
|----|----|----|----|----|----|-------------------|

| | | | | | | |
|-----|---|---|---|---|---|---------|
| 4-1 | 0 | 0 | 0 | 0 | 0 | J0-J1 |
| | 0 | 0 | 0 | 0 | 1 | J0-J2 |
| | 0 | 0 | 0 | 1 | 0 | J0-J3 |
| | 0 | 0 | 0 | 1 | 1 | J0-J4 |
| | 0 | 0 | 1 | 0 | 0 | J0-J5 |
| | 0 | 0 | 1 | 0 | 1 | J0-J6 |
| | 0 | 0 | 1 | 1 | 0 | J0-J7 |
| | 0 | 0 | 1 | 1 | 1 | J0-J8 |
| | 0 | 1 | 0 | 0 | 0 | J0-J9 |
| | 0 | 1 | 0 | 0 | 1 | J0-J10 |
| | 0 | 1 | 0 | 1 | 0 | J0-J11 |
| | 0 | 1 | 0 | 1 | 1 | J0-J12 |
| | 0 | 1 | 1 | 0 | 0 | J0-J13 |
| | 0 | 1 | 1 | 0 | 1 | J0-J14 |
| | 0 | 1 | 1 | 1 | 0 | J0-J15 |
| | 0 | 1 | 1 | 1 | 1 | J0-J16 |
| | 1 | X | X | X | X | ALL OFF |

5. Outline Drawing

| ID | Items | Specifications |
|--|-----------------|----------------|
| 5-1 | Outline Drawing | Unit: mm |
| Tolerances:±0.1mm | | |
|  | | |
| 5-2 | Material | Aluminum |
| 5-3 | Finished | Nickel Plated |
| 5-4 | Weight | / |

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.