

# HX112KG4081G SP12T Switch

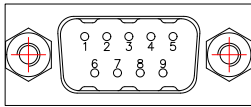
## 1. Description

ID	Items	Specifications
1-1	Type	Absorptive SP12T Switch
1-2	Frequency Range	0.4 ~ 8GHz
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=0 ~ 0.8V/3.3 ~ 5V
1-12	DC Power Supply	+5V/≤550mA

## 2. Environmental Specifications

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

## 3. Interface

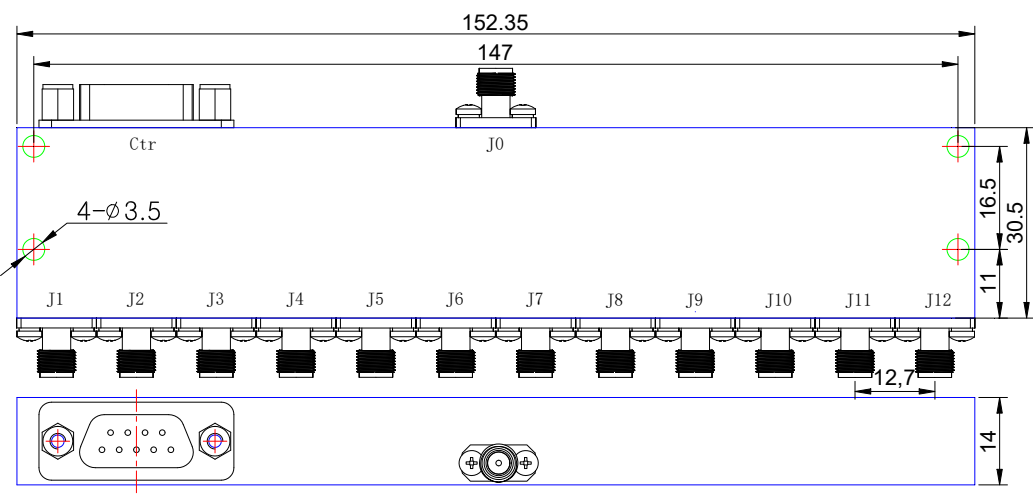
ID	Items	Specifications
3-1	Control Connectors	DB9-Male
		
3-2	<b>NO</b>	<b>Specifications</b>
	1	C1
	2	C2
	3	C3
	4	C4
	5	NC
	6	NC
	7	+5V
	8	NC
	9	GND

## 4. Truth Table

ID	C4	C3	C2	C1	Signal Path State
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4-1	0	0	0	0	J0→J1
	0	0	0	1	J0→J2
	0	0	1	0	J0→J3
	0	0	1	1	J0→J4
	0	1	0	0	J0→J5
	0	1	0	1	J0→J6
	0	1	1	0	J0→J7
	0	1	1	1	J0→J8
	1	0	0	0	J0→J9
	1	0	0	1	J0→J10
	1	0	1	0	J0→J11
	1	0	1	1	J0→J12
	1	1	0	0	Shut Down All

### 5. Outline Drawing

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

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