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**PD-1496G201 802.3bt PD Splitter quick guide**

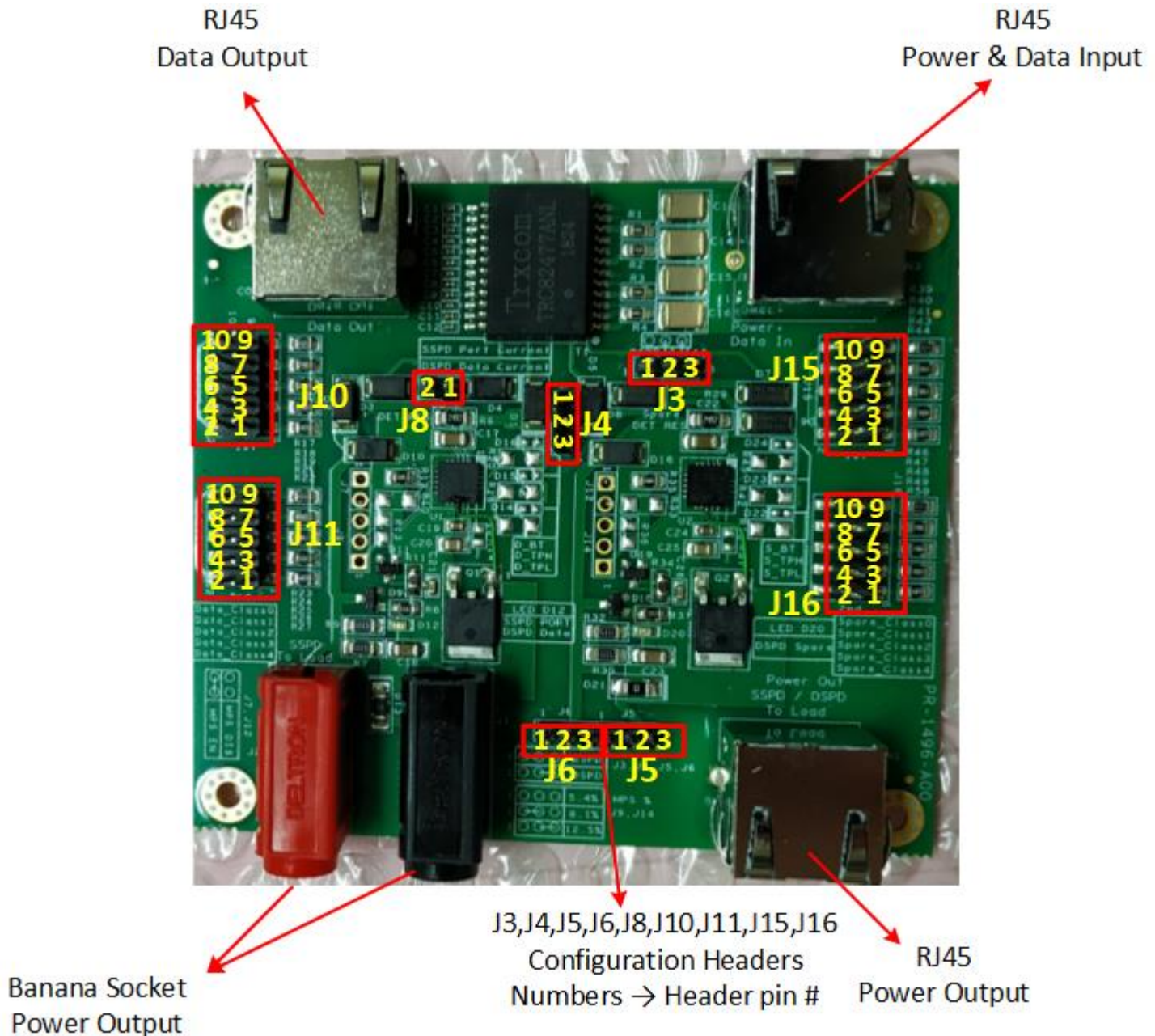
**PD-1496G201**  
**802.3bt PD Splitter**  
**Quick guide**

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### 1. Description

PD-1496G201 is 802.3bt PD Splitter that can be configured to simulate Single Signature Powered Device (**SSPD**), Dual Signature Powered Device (**DSPD**) requesting different power classes.



## 2. Board Configuration

- To configure the board for normal operation, jumpers need to be placed (to short headers pins) as shown in Table 1:

Header	<b>SSPD</b>	<b>DSPD</b>
J3	1-2	2-3
J4	1-2	2-3
J5	1-2	2-3
J6	1-2	2-3
J8	1-2	1-2

Table 1

- For **SSPD** requested power class, jumpers need to be placed (to short headers pins) as shown in Table 2:

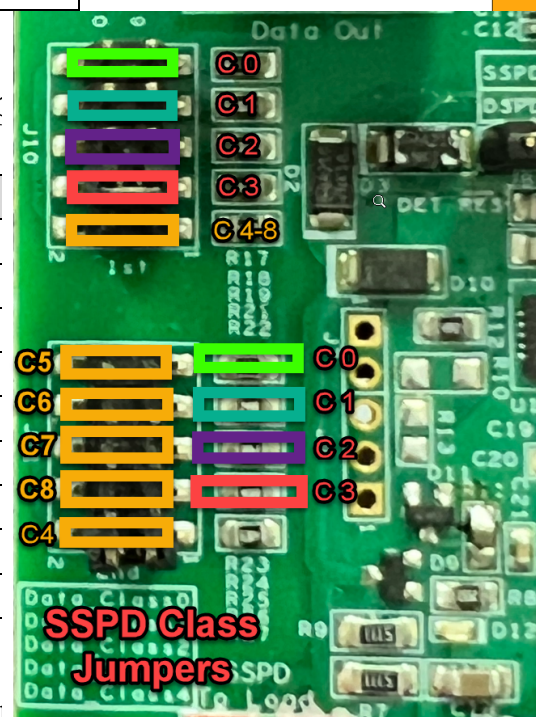
Class	J10	J11
0	9-10	9-10
1	7-8	7-8
2	5-6	5-6
3	3-4	3-4
4	1-2	1-2
5	1-2	9-10
6	1-2	7-8
7	1-2	5-6
8	1-2	3-4

Table 2

- For **DSPD** requested power class, jumpers need to be placed (to short headers pins) as shown in Table 3:

Class	Port DATA		Port SPARE	
	J10	J11	J15	J16
1	7-8	7-8	7-8	7-8
2	5-6	5-6	5-6	5-6
3	3-4	3-4	3-4	3-4
4	1-2	1-2	1-2	1-2
5	1-2	3-4	1-2	3-4

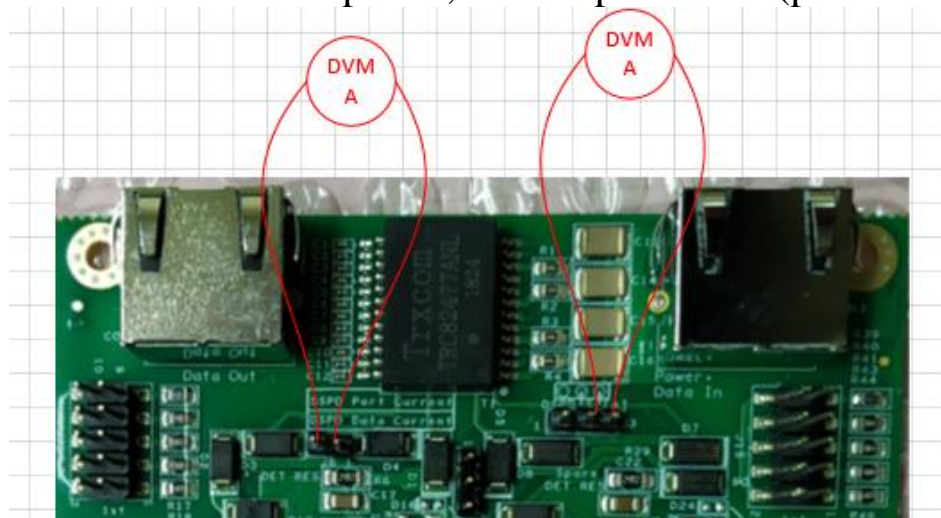
Table 3





### 3. Current Measure

- Port current can be measured using DVM:
  1. In order to measure current on **SSPD**:
    - a. Remove J8 jumper.
    - b. Pull two wires from J8 to amperemeter (ports DATA+SPARE current).
  2. In order to measure current on **DSPD**:
    - a. Remove J8, J3 jumpers.
    - b. Pull two wires from J8 to amperemeter (port DATA current).
    - c. Pull two wires from J3 pins 2, 3 to amperemeter (port SPARE current).



#### Note:

**if you don't want to measure current, place the jumpers as shown in Table 1**



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#### **4. Output Power**

- Once the board is powered by a PSE, it consumes minimum load to keep the PSE power connected.
- The board has LED indication when powered on.
  
- for **SSPD**, there are two ways to add external load:
  1. Connect the load to the RED and BLACK banana socket.  
**Polarity according to the banana socket color.**
  2. Connect the load to the RJ45 power output connector.
  
- for ***DSPD***, there is one way to add external load:
  1. Connect the load to the RJ45 power output connector.