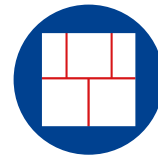


# Data Sheet

## PD1700U03W

Power Divider/Combiner

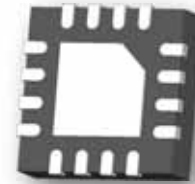
2-Way 0° 50Ω 0.6-2.9 GHz



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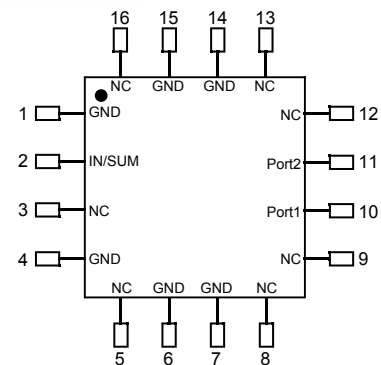
### Features

- Small Size (3×3mm DFN package)
  - No need external 100 Ω resistor
  - Very Low Loss
  - Tight Amplitude Balance
  - High Isolation
  - Low VSWR
  - Good Repeatability
  - Tape & Reel
  - Operating Temperature -40 ~85
- Power handling
- 2.0 Watts as a divider
  - 1.0Watts as a combiner



### Applications

- Wireless communications
- WLAN / WiMax
- SAT Radio
- ISM band instrument
- Information System for Automotive Safety



TOP VIEW

### Electrical Specifications at 25° C

Part No.	Freq. Range (MHz) FL~FU	Total Loss (dB)		Amplitude unbalance (dB)	Phase unbalance (deg.)	Isolation (dB)	VSWR(:1)		
		OUT1	OUT2				IN	OUT1	OUT2
PD1700 U03W	600	3.66	3.67	0.01	0.08	9.82	1.65	1.19	1.19
	690	3.60	3.62	0.02	0.12	10.51	1.57	1.13	1.13
	880	3.48	3.50	0.02	0.23	11.36	1.41	1.10	1.11
	960	3.43	3.46	0.03	0.24	11.47	1.34	1.14	1.14
	1070	3.38	3.39	0.01	0.28	11.51	1.34	1.14	1.15
	1260	3.31	3.31	0	0.32	11.75	1.13	1.32	1.33
	1450	3.29	3.28	0.01	0.30	12.79	1.14	1.36	1.37
	1550	3.29	3.27	0.02	0.28	13.37	1.19	1.36	1.37
	1640	3.29	3.28	0.02	0.25	14.74	1.23	1.35	1.35
	1740	3.30	3.28	0.02	0.23	15.98	1.28	1.31	1.32
	1830	3.31	3.29	0.02	0.22	17.05	1.31	1.28	1.28
	1960	3.31	3.30	0.01	0.21	18.29	1.34	1.21	1.22
	2020	3.31	3.29	0.02	0.21	18.68	1.34	1.17	1.18
	2150	3.29	3.28	0.01	0.23	19.16	1.31	1.08	1.09
	2210	3.28	3.27	0.01	0.24	19.31	1.28	1.04	1.05
	2400	3.26	3.24	0.02	0.29	20.46	1.18	1.14	1.13
2700	3.46	3.43	0.03	0.40	27.83	1.50	1.61	1.59	
2900	4.05	4.01	0.04	0.49	22.28	2.25	2.11	2.08	

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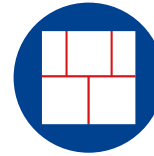
For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

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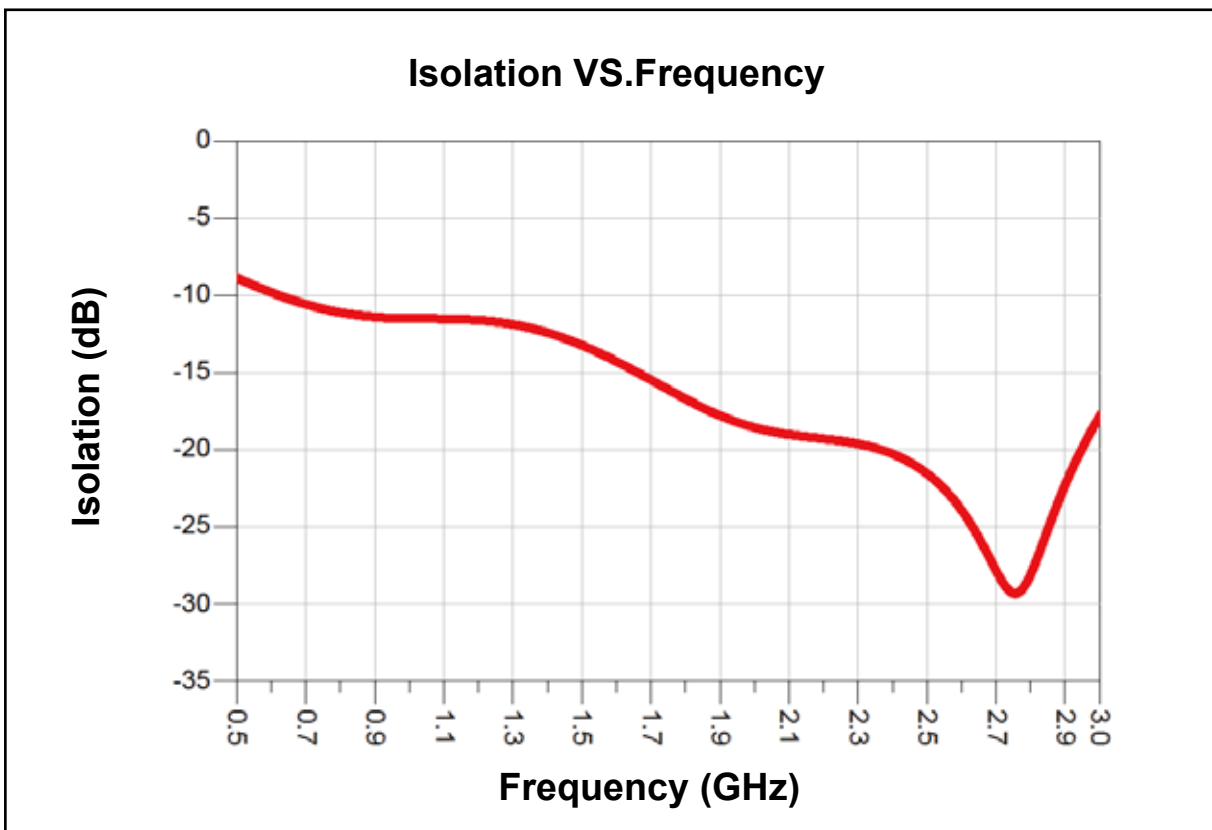
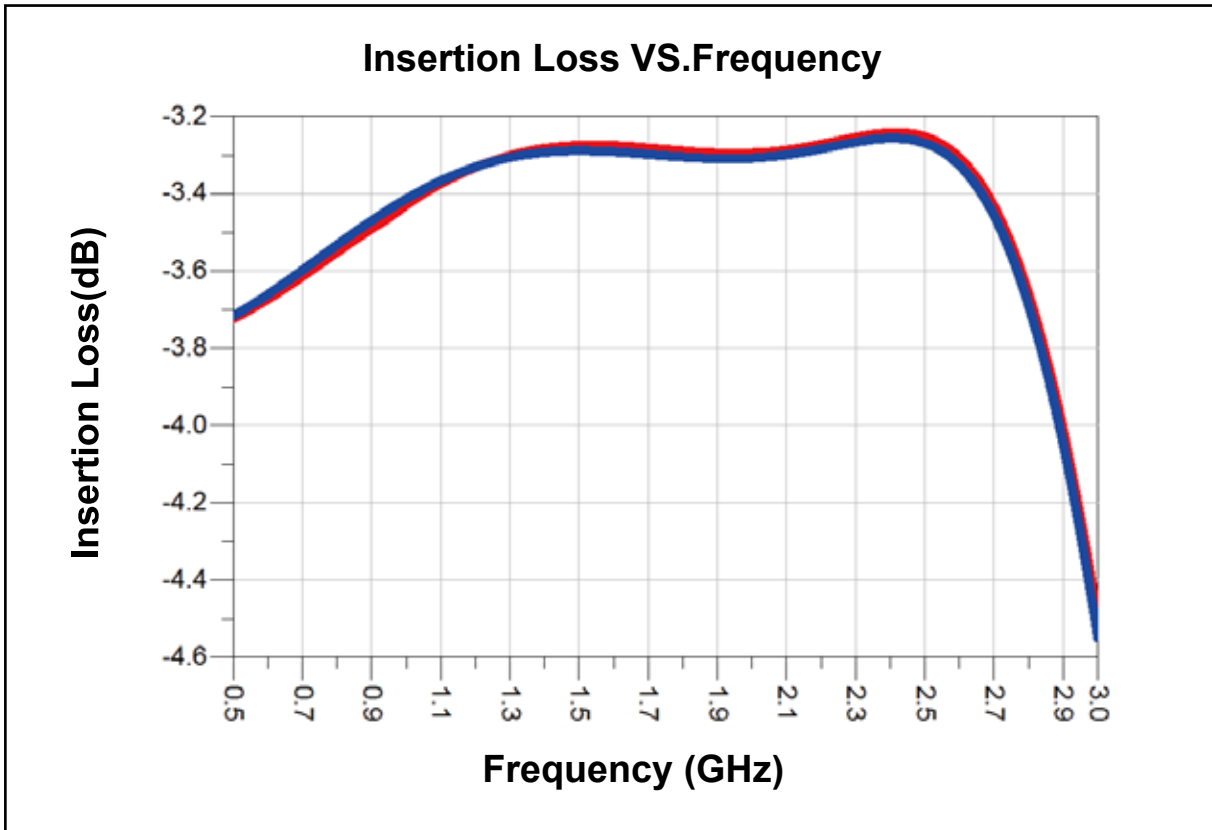
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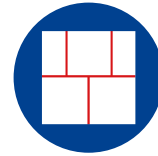
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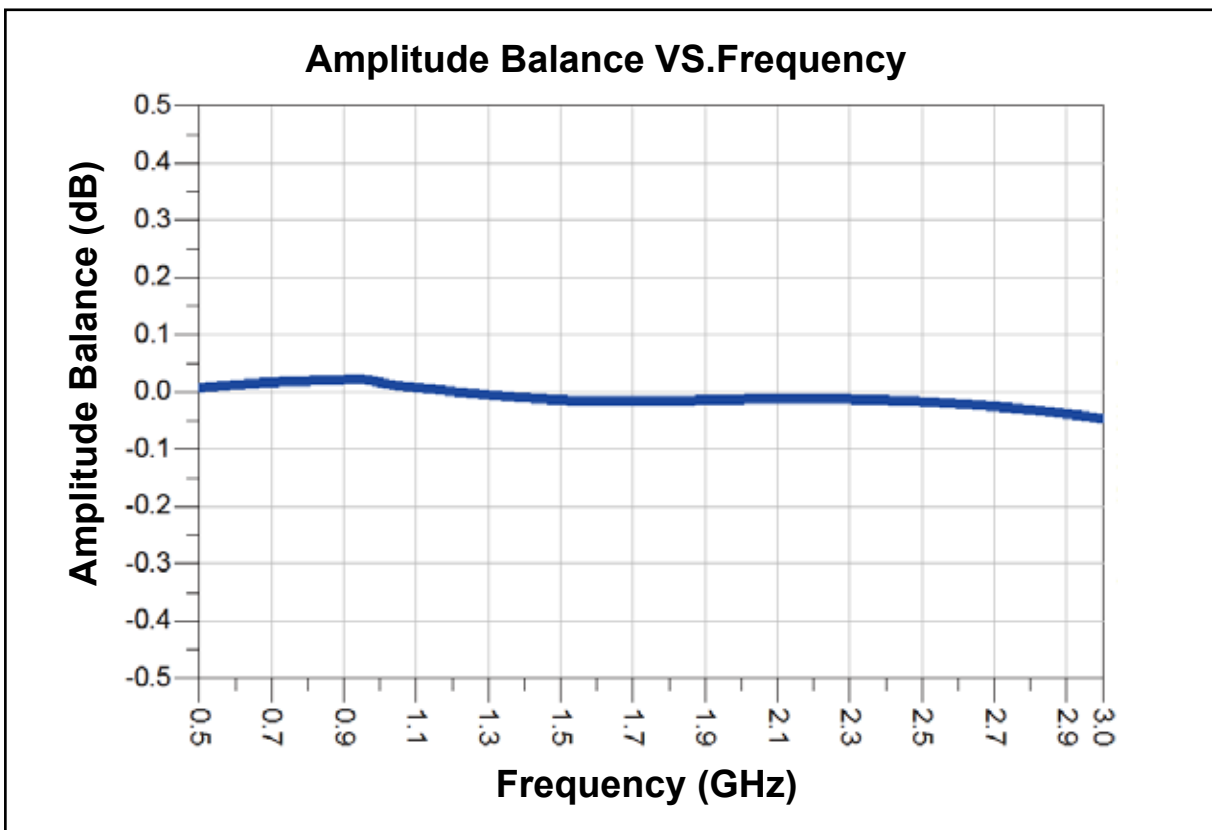
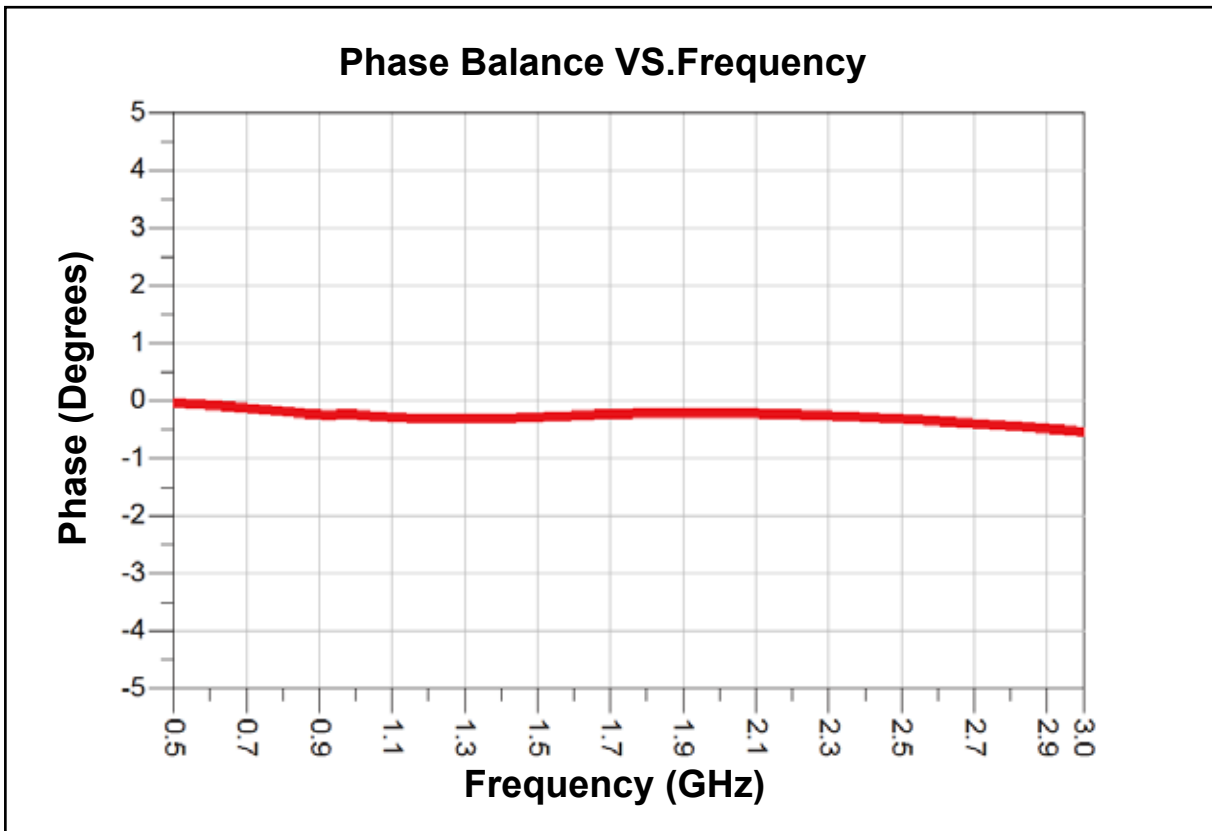
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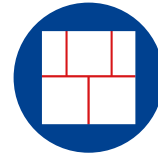
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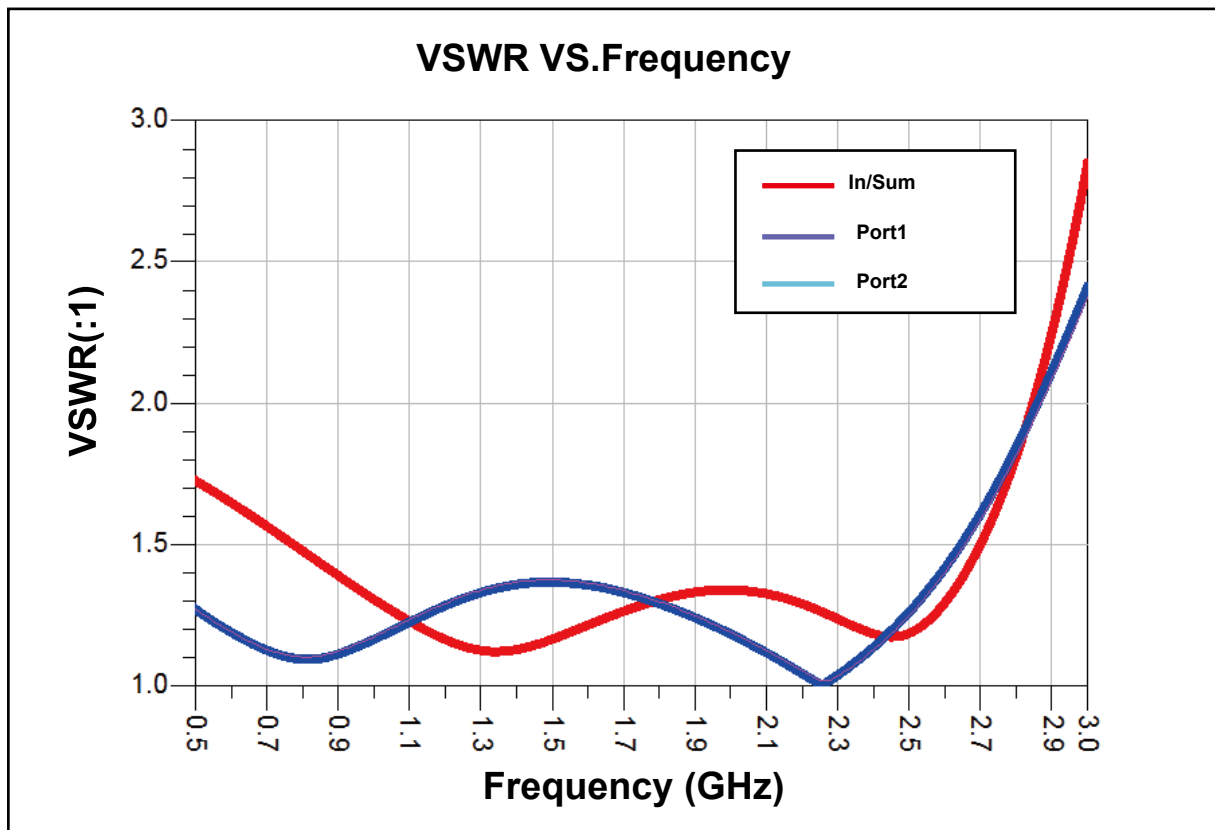
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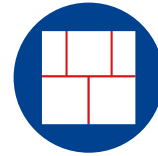
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# Data Sheet

## PD1700U03W

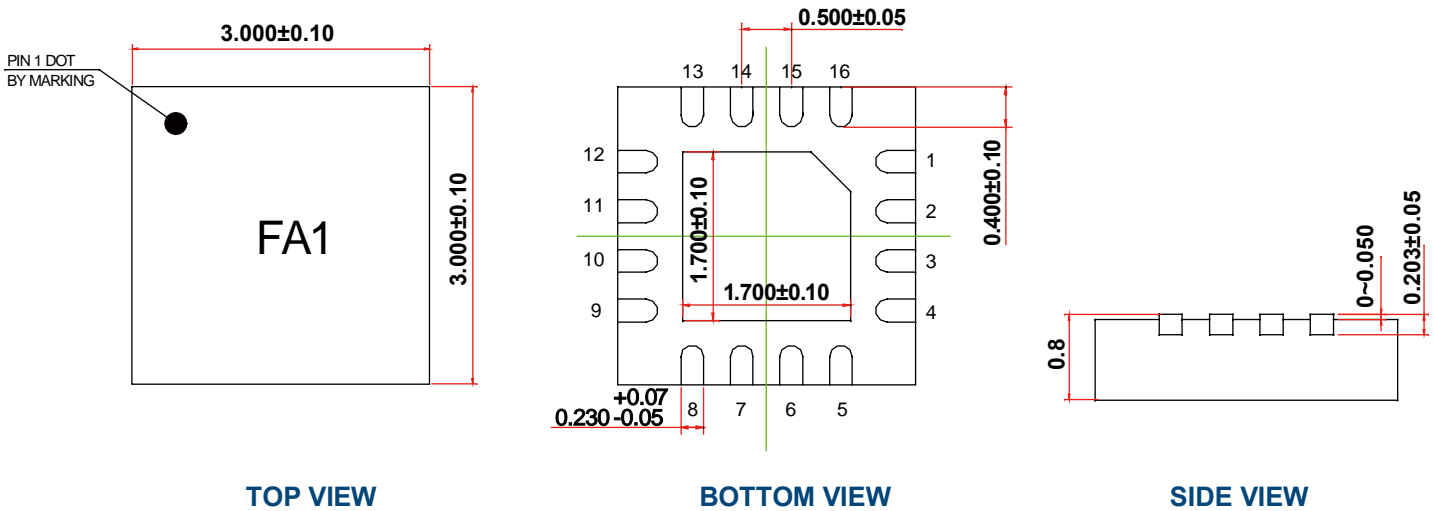
Power Divider/Combiner

2-Way 0° 50Ω 0.6-2.9 GHz

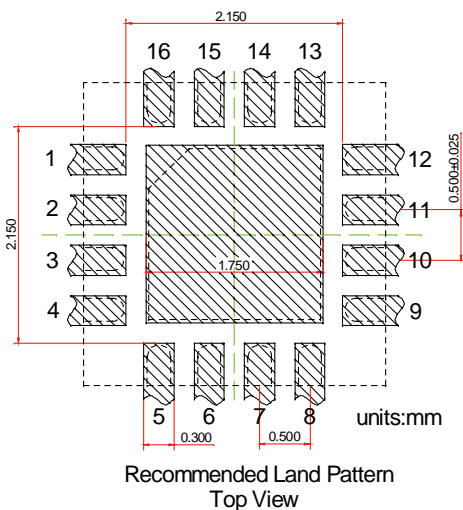


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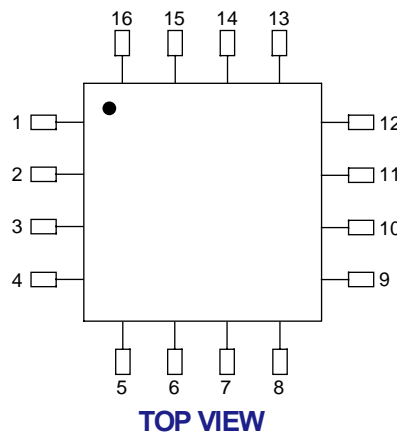
### Outline Drawing



### Land Pattern



### Pin Out



Pin #	Connection
1	GND
2	IN/SUM
3	NC
4	GND
5	NC
6	GND
7	GND
8	NC
9	NC
10	PORT1
11	PORT2
12	NC
13	NC
14	GND
15	GND
16	NC
Center Pad	GND

**Notes:** All dimensions show in millimeters

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