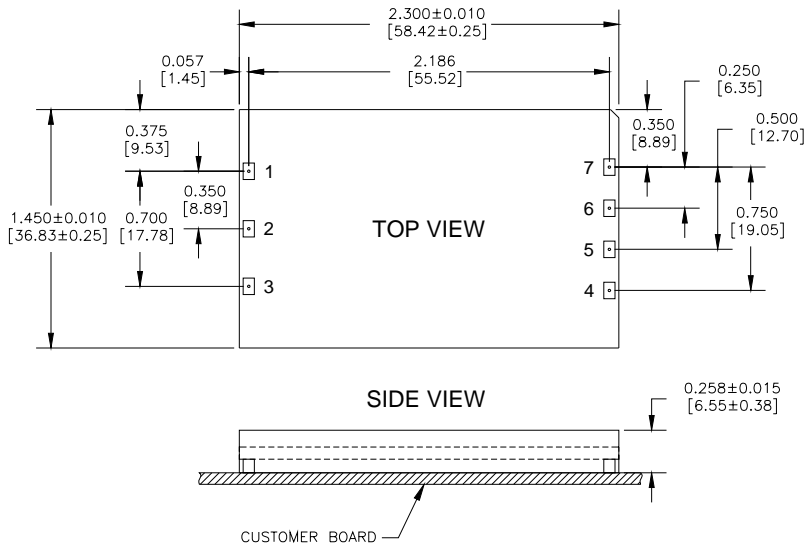
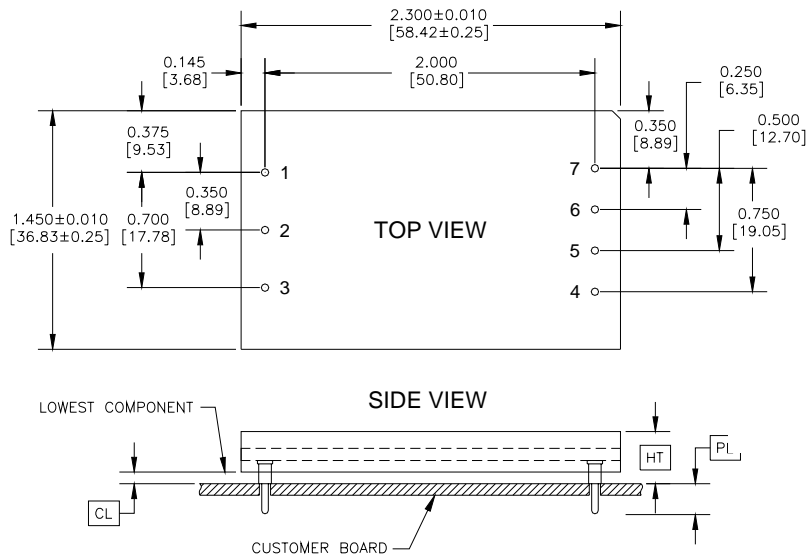


## Physical Information



**QD48S Pinout (Surface mount)**



**QD48T Pinout (Through-hole)**

### QD48S Platform Notes

- All dimensions are in inches [mm]
- Connector Material: Copper
- Connector Finish: Gold over Nickel
- Module Weight: 1 oz [28 g] typical
- Recommended surface mount pads:  
Min. 0.080" X 0.112"  
Max. 0.092" X 0.124"

### Pin Connections

Pin #	Function
1	Vin (+)
2	ON/OFF
3	Vin (-)
4	V <sub>OUT1</sub> (+)
5	RTN [Vo1(-) +Vo2(-)]
6	TRIM
7	V <sub>OUT2</sub> (+)

Height Option	[HT] (Max. Height) +0.000 [0.00] - 0.038 [-0.97]	[CL] (Min. Clearance) +0.016 [+0.41] -0.000 [-0.00]
A	0.303 [7.69]	0.030 [0.77]
B	0.336 [8.53]	0.063 [1.60]
C	0.500 [12.70]	0.227 [5.77]
D	0.400 [10.16]	0.127 [3.23]

Pin Option	PL Pin Length ±0.005 [±0.13]
A	0.188 [4.77]
B	0.145 [3.68]
C	0.110 [2.79]

### QD48T Platform Notes

- All dimensions are in inches [mm]
- All pins are 0.040" [1.02] diameter with 0.078" [1.98] shoulder
- Pin material: Brass
- Pin Finish: Tin/Lead over Nickel
- Pin Length: Options shown on page 3
- Module Weight: 1 oz [28 g] typical

## Converter Part Numbering Scheme

Product Series	Input Voltage	Mounting Scheme	Output Voltage 1 (V <sub>OUT1</sub> )	Output Voltage 2 (V <sub>OUT2</sub> )		ON/OFF Logic	Maximum Height [HT]	Pin Length [PL]	Special Features
<b>QD</b>	<b>48</b>	<b>S</b>	<b>025</b>	<b>033</b>	<b>-</b>	<b>N</b>	<b>S</b>	<b>0</b>	<b>0</b>
Dual Quarter-Brick Format	36-75 V	S ⇒ Surface Mount  T ⇒ Through-hole	012 ⇒ 1.2 V 015 ⇒ 1.5 V 018 ⇒ 1.8 V 020 ⇒ 2.0 V 025 ⇒ 2.5 V 033 ⇒ 3.3 V	015 ⇒ 1.5 V 018 ⇒ 1.8 V 020 ⇒ 2.0 V 025 ⇒ 2.5 V 033 ⇒ 3.3 V 050 ⇒ 5.0 V		N ⇒ Negative  P ⇒ Positive	<u>SMT</u> S ⇒ 0.273"  <u>Through hole</u> A ⇒ 0.303" B ⇒ 0.336" C ⇒ 0.500" D ⇒ 0.400"	<u>SMT</u> 0 ⇒ 0.00"  <u>Through hole</u> A ⇒ 0.188" B ⇒ 0.145" C ⇒ 0.110"	0 ⇒ STD
			Note: Always specify V <sub>OUT2</sub> as the higher of the two output voltages.						

The example above describes P/N QD48S025033-NS00: 36-75 V input, dual output, surface mounting, 2.5 V and 3.3 V outputs @ 15 A each, negative ON/OFF logic. Please consult factory regarding availability of a specific version.

### RoHS Ordering Information:

- No RoHS suffix character is required for lead-solder-exemption compliance.
- For RoHS compliance to all six substances, add the letter "G" as the last letter of the part number.

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