



### Features

- 8.5A Current Boost (Boosts PT4476 up to 200W)
- Tracks  $V_{out}$  of PT4476
- Synchronized Operation
- High Efficiency
- Input Voltage: 18V to 36V
- 26-pin Copper Case Package

### Description

The PT4493 is a new high-performance 100W/8.5A "Current Booster" for use with the PT4476 DC/DC converter. The PT4493 adds a parallel output stage to the PT4476, allowing both to operate in perfect synchronization.

The PT4493 only operates with a PT4476 and is not a stand-alone product. Refer the PT4476 data sheet for the performance specifications. The PT4493 is housed in the same 26-pin case and has the same package options as the PT4476.

### PT Series Suffix (PT1234X)

#### Case/Pin Configuration

Vertical Through-Hole	<b>N</b>
Horizontal Through-Hole	<b>A</b>
Horizontal Surface Mount	<b>C</b>

### Ordering Information

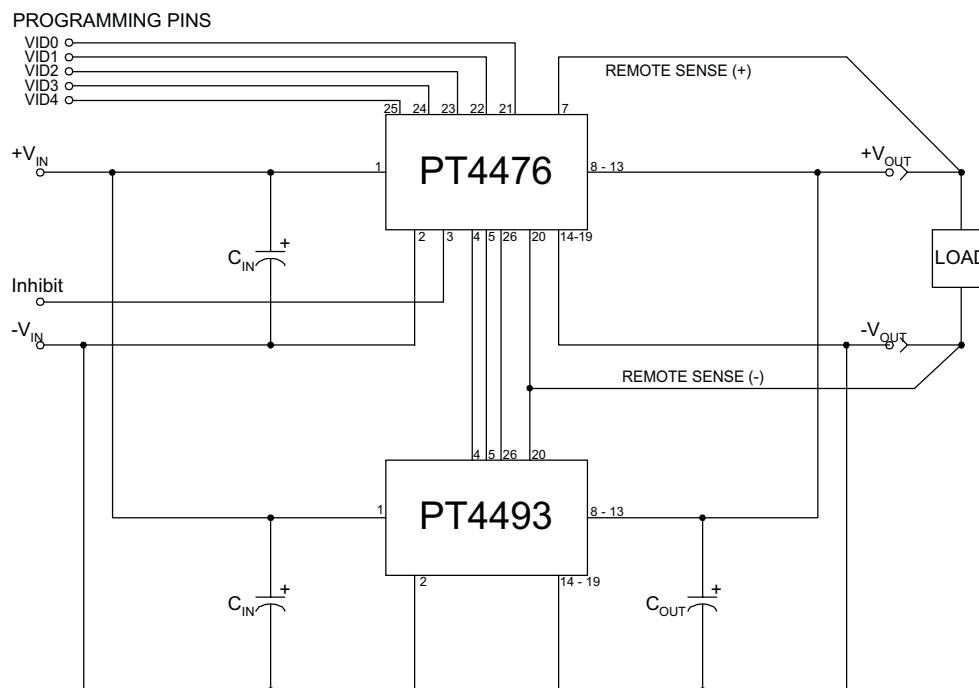
#### PT4493□

(For dimensions and PC Board layout, see Package Styles 1200, 1210 and 1215.)

### Pin-Out Information

Pin	Function	Pin	Function	Pin	Function
1	$+V_{in}$	10	$+V_{out}$	19	$-V_{out}$
2	$-V_{in}$	11	$+V_{out}$	20	$-V_{sense}$
3	N/C	12	$+V_{out}$	21	N/C
4	$V_r$	13	$+V_{out}$	22	N/C
5	$V_a$	14	$-V_{out}$	23	N/C
6	N/C	15	$-V_{out}$	24	N/C
7	N/C	16	$-V_{out}$	25	N/C
8	$+V_{out}$	17	$-V_{out}$	26	DRV
9	$+V_{out}$	18	$-V_{out}$		

### Standard Application



**Input Capacitors:** Although not necessary for stable operation,  $C_{in}$  will reduce input ripple.  $C_{in} = 33\mu\text{F}$  is suggested.

**Output Capacitors:** A minimum of  $33\mu\text{F}$  per PT4493 booster module is required for proper operation. Increasing  $C_{out}$  will reduce transients due to large and/or fast load steps.

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