


Patent pending on package assembly

Features

- 8.5A Current Boost
(Boosts PT4486 up to 17A)
- Tracks V_{out} of PT4486
- Synchronized Operation
- High Efficiency
- Input Voltage: 36V to 75V
- 26-pin Copper Case Package

Description

The PT4497 is a high-performance 100W/8.5A “Current Booster” for use with the PT4486 DC/DC converter. The PT4497 adds a parallel output stage to the PT4486, allowing both to operate in perfect synchronization.

The PT4497 only operates with a PT4486 and is not a stand-alone product. Refer the PT4486 data sheet for the performance specifications. The PT4497 is housed in the same 26-pin case and has the same package options as the PT4486.

PT Series Suffix (PT1234X)

Case/Pin Configuration

Vertical Through-Hole	N
Horizontal Through-Hole	A
Horizontal Surface Mount	C

Ordering Information

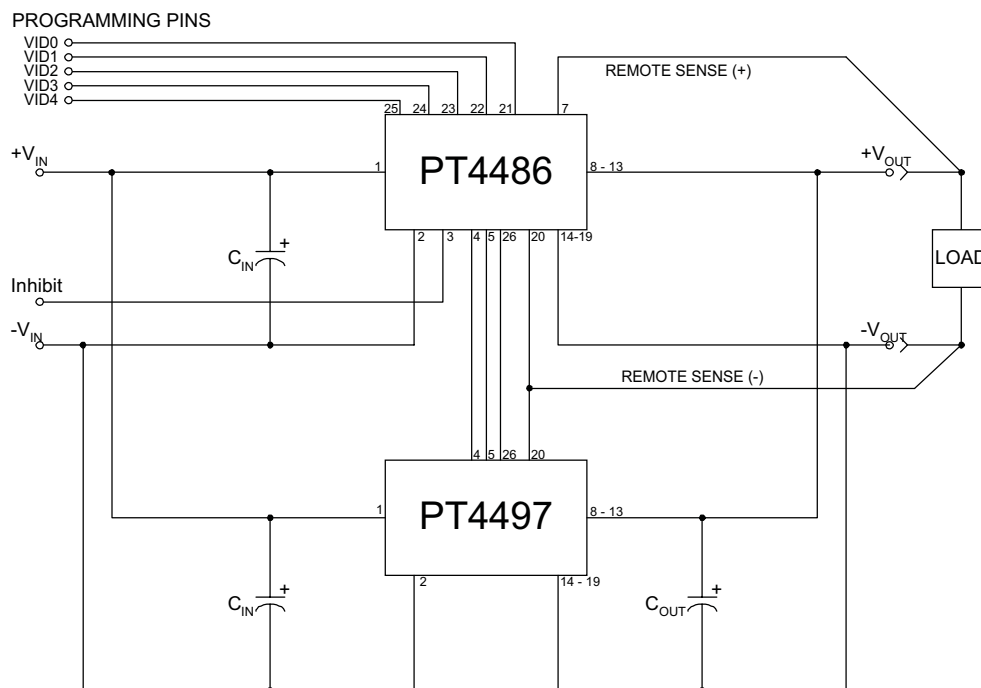
PT4497□

(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 PT4497 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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Mailing Address:

Texas Instruments
Post Office Box 655303
Dallas, Texas 75265