



WEBENCH[®] Power Architect

Project Report

Project : 1449677/5 : Cicero V3
 Created : 2016-10-19 22:01:52,017
 Optimize project optFactor=4

Project Summary

- | | |
|-----------------------------------|------------------------|
| 1. Total System Efficiency | 95.166 % |
| 2. Total System BOM Count | 59,0 |
| 3. Total System Footprint | 2.426 kmm ² |
| 4. Total System BOM Cost | \$27,02 |
| 5. Total System Power Dissipation | 5,704 W |

--> Launch WEBENCH Power Architect.

My Comments

No comments

Sequencer Flag Table

Supply	Sequencer Flag	Load	Load Name
SUPPLY_1	0	LOAD_1	LOAD #1
SUPPLY_2	0	LOAD_2	LOAD #2
SUPPLY_3	0	LOAD_3	LOAD #3
SUPPLY_4	0	LOAD_4	LOAD #4

Power Supplies

#	Name	NSID	Description	Vout	Iout	Efficiency	Foot-print	Cost	Design	Page
1.	SUPPLY_1	TPS43060	Switcher : Low Iq Synchronous Boost Controller, wide Vin range	28 V	3.5 A	96.2%	1560	\$14.37	28	4
2.	SUPPLY_2	TPS54302	Switcher : HIGH LIGHT LOAD EFFICIENCY, Synchronous Step Down Converter,4.5 to 28V Input, 3A Output	5 V	2.0 A	90.5%	347	\$3.47	29	14
3.	SUPPLY_3	TPS54335A	Switcher : 28V, 3A, Low Iq, Synchronous, monolithic buck converter with Eco-mode	1.8 V	1.0 A	85%	342	\$2.18	30	21
4.	SUPPLY_4	LMZ34002	Switcher : 4.5 - 40V Input, 15W, Negative Output, Integrated Power Solution	-5 V	0.5 A	84.4%	177	\$7.00	31	26

Power Loads

#	Name	VLoad	Iload	Description
1.	LOAD #1	28 V	3.5 A	VoutRipple=10%
2.	LOAD #2	5 V	2 A	VoutRipple=10%
3.	LOAD #3	1.8 V	1 A	VoutRipple=10%
4.	LOAD #4	-5 V	0.5 A	VoutRipple=10%

