

MPLAB Analog Design Tool

Tutorial

Getting Started

	PLAB [®] Anal	log Designer		Login →)
		Application Power Management	•	
Find Solutions by Desig Input V(In) _{Min} * 4.50	gn Parameters (* requ V V(ln) _{Max} * 5.0	ired) 0 V (OR Select Existing Solution Select item	•
<mark>Output</mark> V(Out) * I(Out) _{Max} *	3.3 0.4	V 9 A 9	Or search for a specific soluty you already know what you	tion, if need.
<u>Міс</u> ғ	ROCHIP	SEARCH ©Copy	Start by choosing your application and entering your design parameters.	pport V 1.0.0

Choose Your Own Solution



Filtering the Options

			Sort by: Default Find New Soluti
LTERS	-	- Evaluation Boards - 2 of 16 found	
Solution		ADM00519 🛠	ADM00433 🞸
- Regulation Type			Boost Diode 2000 relation only the second se
		Filters to parrow	BOOST SIN TO B
		down the selection	
— V(In) 🚯			
	6.00 V - 16.00 V		
•		EVB Product Page: ADM00519	EVB Product Page: ADM00433
		MCP16331 Buck Converter Evaluation Board	MCP16301H 5V/600mA Low Noise Evaluation Board
— V(Out) 🚯		Simulate	Simulate View/Modify
0.60 V - 50.00 V	0.60 V - 50.00 V		
		sho	ow more
— I(Out) 🚯		- Custom Design Generators - 2 of 35 found	
	1.00 A - 20.00 A	MCP16301	MCP16301H
•	• •	Zener fields only	Boost Diode Service Service

Give Someone Else a Hand



Start with a Working Solution



Build Your Own, With A Little Help



Save Your Progress

		Application Power Management	Revisit previous
d Solutions by D	esign Parameters (* r	required) OR	Select item
V(In) _{Min} * 4.50	∨ V(In) _{Max} *	5.00 V (Open a Previous Custom Design
output			MCP16301 5V/600mA Low Noise Evaluation Board (9/2/2020 8:55:09 PM)
10	2.2		



Make It Yours



Tweaking the Template



Share it With Someone Else



Export it to the Mindi Simulator

	Designer			Downs Docia	
MCP16301 Non-Synchronous step-down DC-DC conve	rter		Downloa simulatio	d the n schemat	Selection
Analyze	Schematic Bode	Efficiency			
Design Parameters	Matched Topologies: Buck				
V(In)					Export
V(Out				×	
Temp	PLAB	Download	the simulation files.		
Compor		MyConverterSchematic	wxsch	5	-O
All In order to open and simu need to install the MPLAN	late the schematic file, you will 3® Mindi™ Analog Simulator.			1	
C: C(e.	Mindi™ Analog Simulator				
	1				

Simulate It As Is, or Modify for Your Needs

