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NCP4200

link	ext	description	manufacturer	version	date	lang
NCP4200-D.PDF	PDF	**NCP4200** Synchronous Buck Converter, Multi Phase (2,3,4), with I2C Interface Onsemi	Onsemi	rev. 5	2021.07	EN
ADP3120A-D.PDF	PDF	**ADP3120A** Onsemi Dual Bootstrapped, 12 V MOSFET Driver with Output Disable	Onsemi	rev.5	2018.08	EN

I2C

Looks like ncp4200 i2c address could be floating depending on the system. List all possibilities here (0x60 - 0x63).

frequency

The clock frequency of the NCP4200 is set with an external resistor connected from the RT pin to ground. The frequency follows the graph in Figure 3. To determine the frequency per phase, the clock is divided by the number of phases in use. If all phases are in use, divide by 4. If 2 phases are in use then divide by 2.

decoupling

TH Aluminium Polymer - E7, E9, E12, E13 - 8mm diameter capacitors 3.5mm legs distance



Например: https://static.chipdip.ru/lib/876/DOC003876979.pdf

https://www.chemi-con.co.jp/en/products/list-condenser.php?s_series_code=PSE

10mm diameter 5mm legs distance

Например: https://static.chipdip.ru/lib/160/DOC011160520.pdf

SMD 8, 10 mm dia



Например: https://static.chipdip.ru/lib/643/DOC011643382.pdf

Например: 16SVP330M

SMD Aluminium Polymer - 2917 (7343 Metric) D3L, D4

