Signals beginning with capital letters denote an I/O pin Signals beginning with lower case letters are internal to a cell

VDD — Supply Voltage

RST - Reset (Active Low)

RST - Reset (Active High)

GND — Ground or VSS equivalent

L — Left (DI Encoded Input Channel)

Le - Left enable

R — Right (DI Encoded Output Channel)

Re — Right enable

S — Split (DI Encoded Input Control Channel)

SLe - Split & Left Enable

M — Merge (DI Encoded Input Control Channel)

Me – Merge Enable

A, Ae; B, Be; C, Ce; D, De; etc:

Input or output channels (cell dependent) w/ corresponding enable signals

en — internal enable

lv — left valid

rv — right valid

sv — split valid

slv — split & left valid

slv — not split & left valid (inverted slv)

etc.

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VDD

GND

— RST

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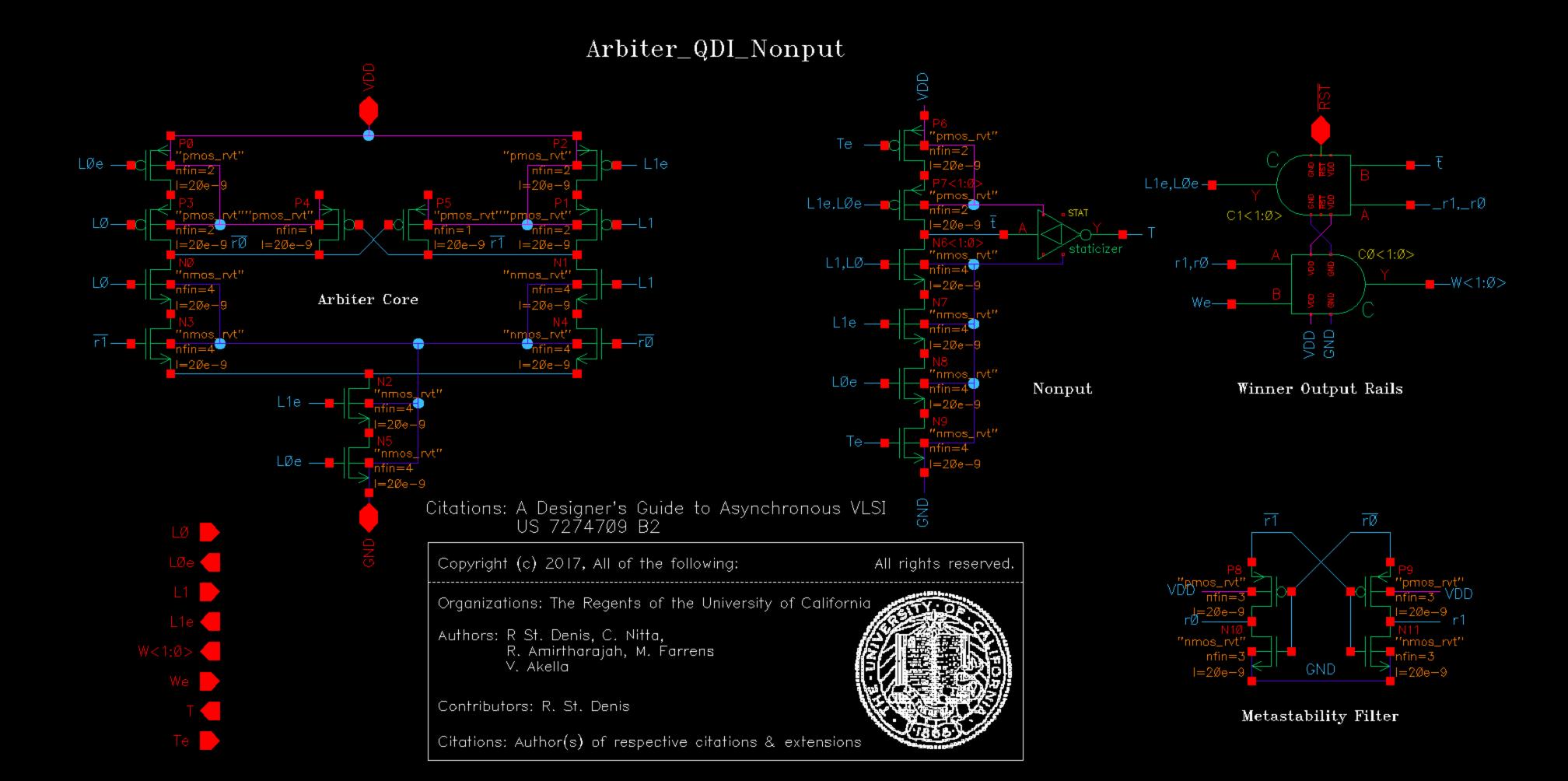
Authors: R St. Denis, C. Nitta,

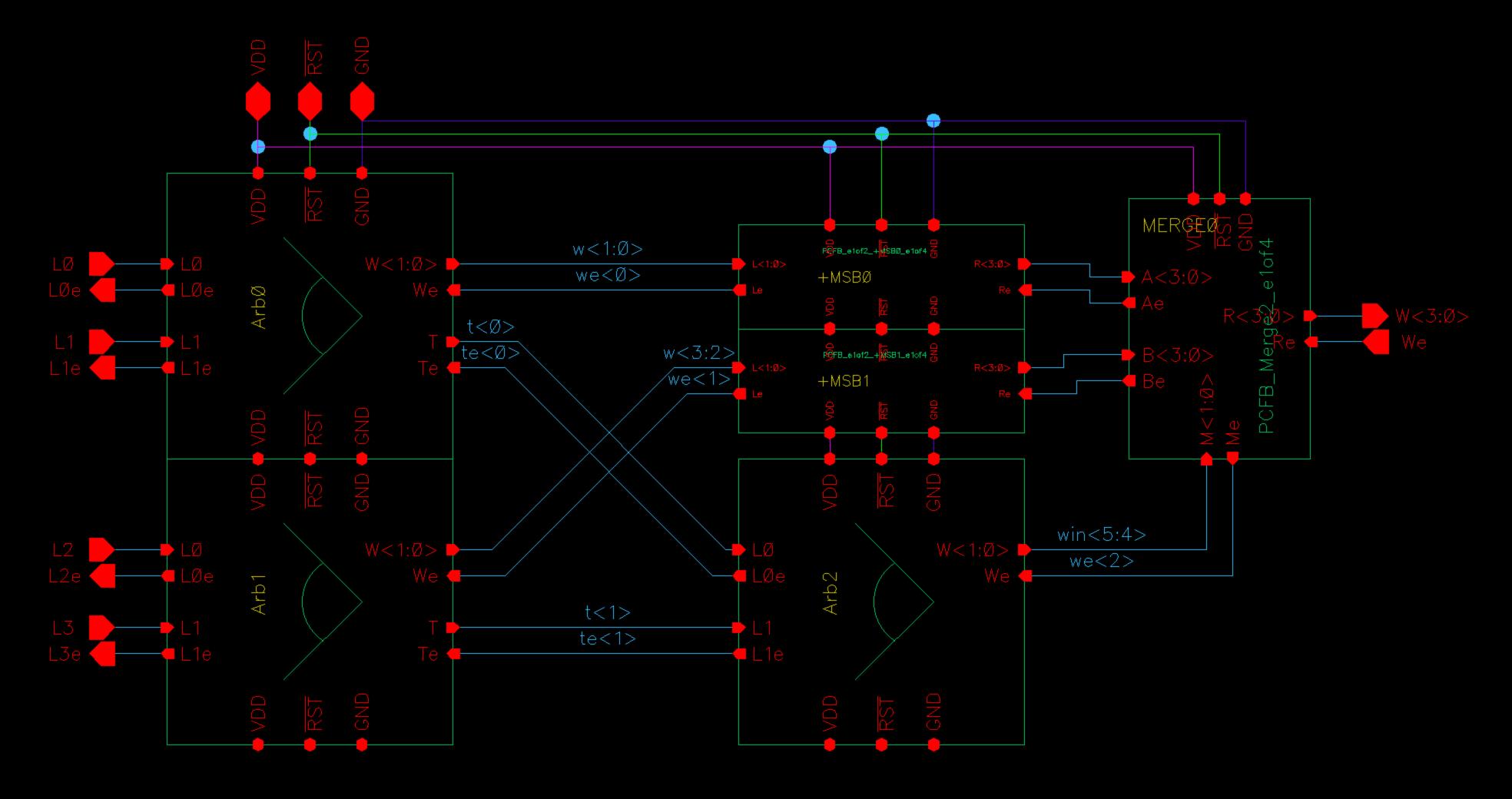
R. Amirtharajah, M. Farrens

V. Akella

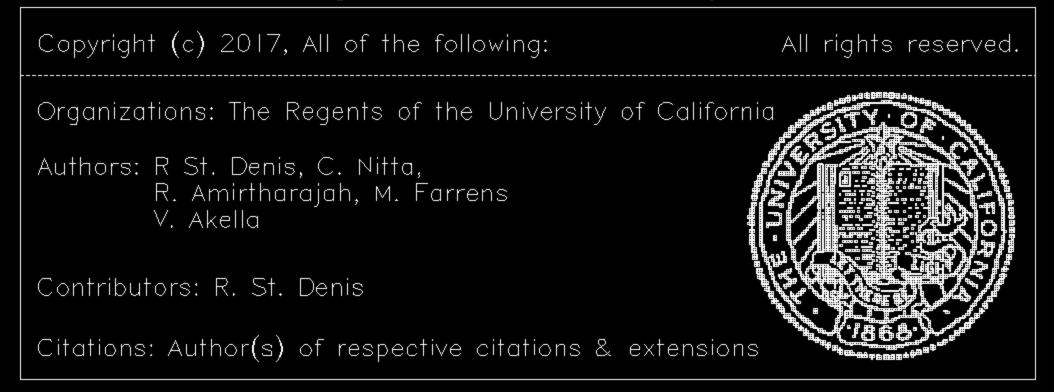
Contributors: R. St. Denis

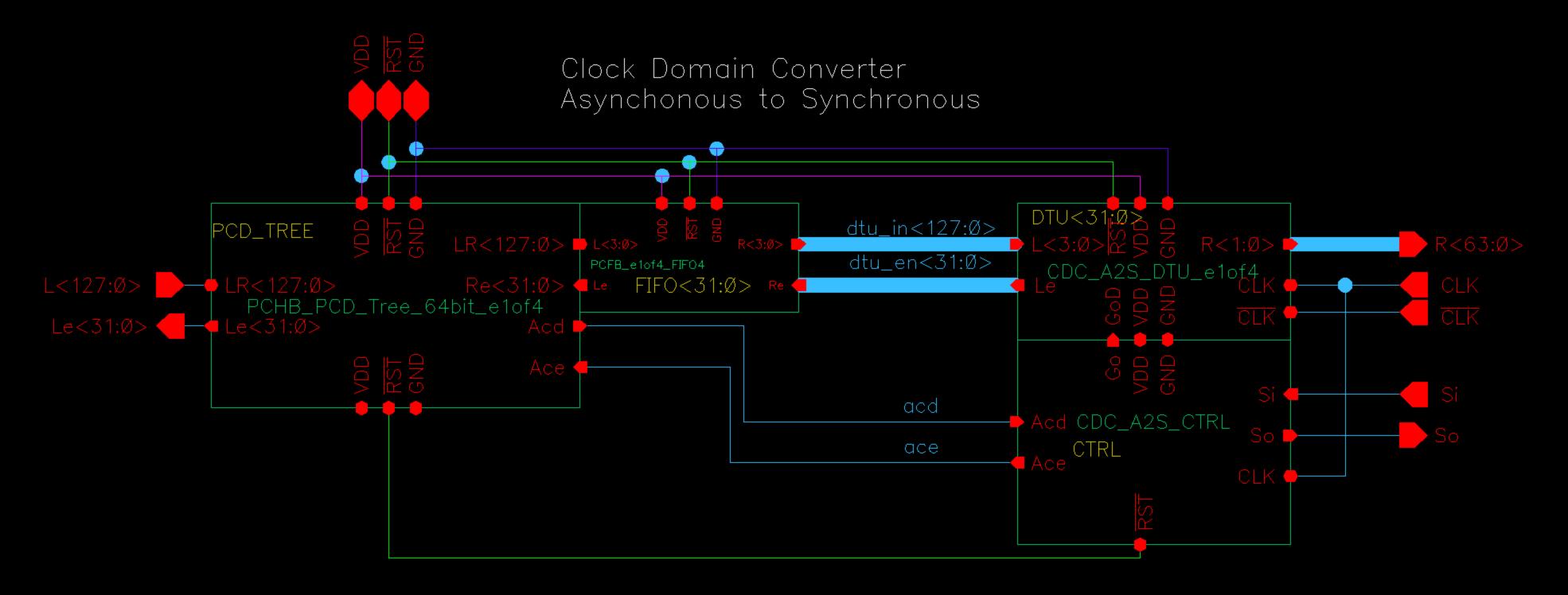
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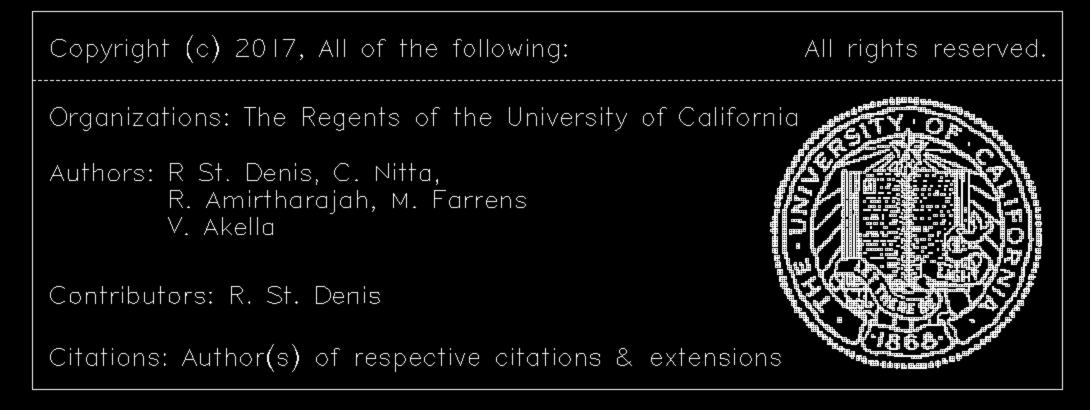


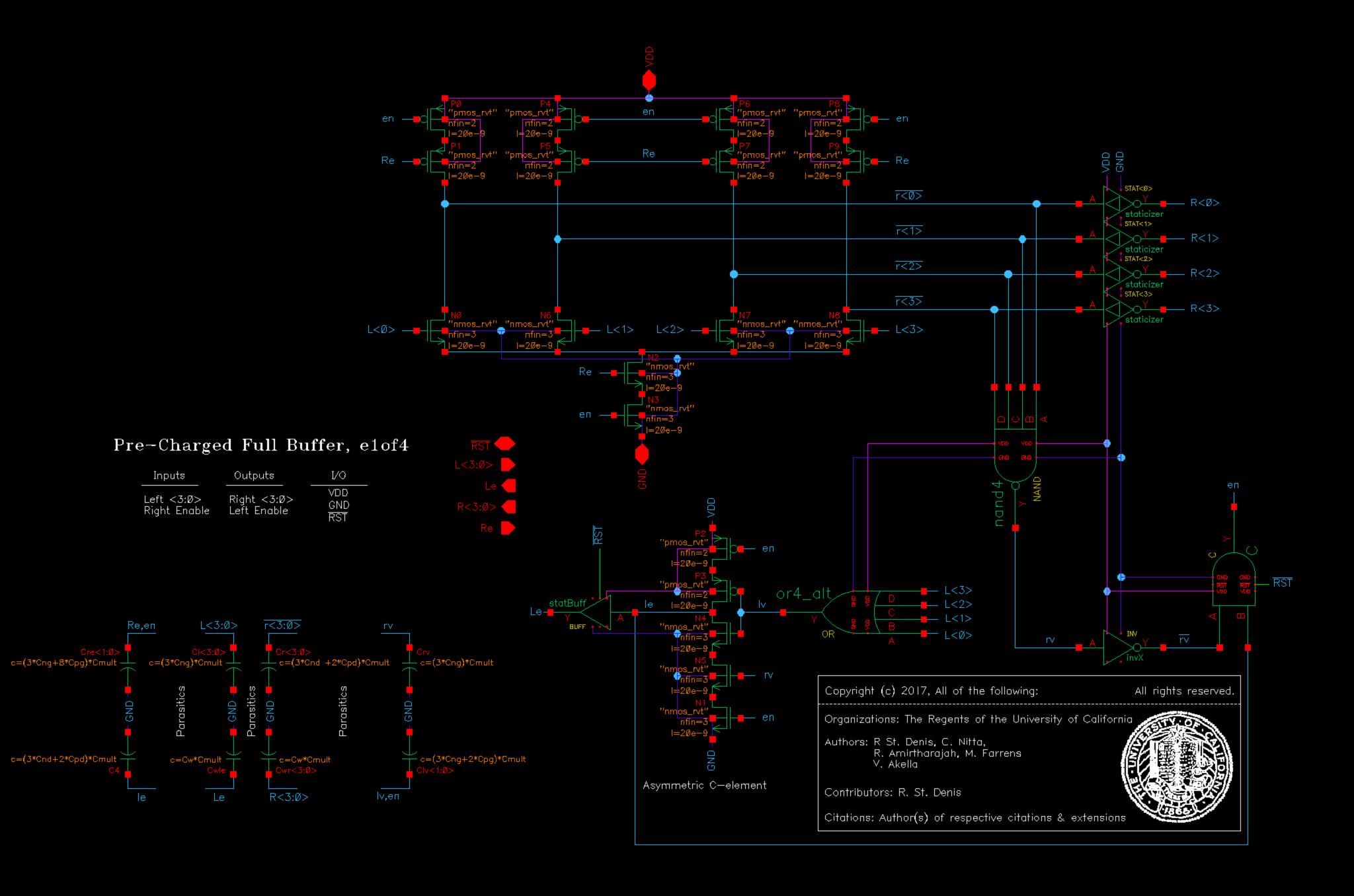
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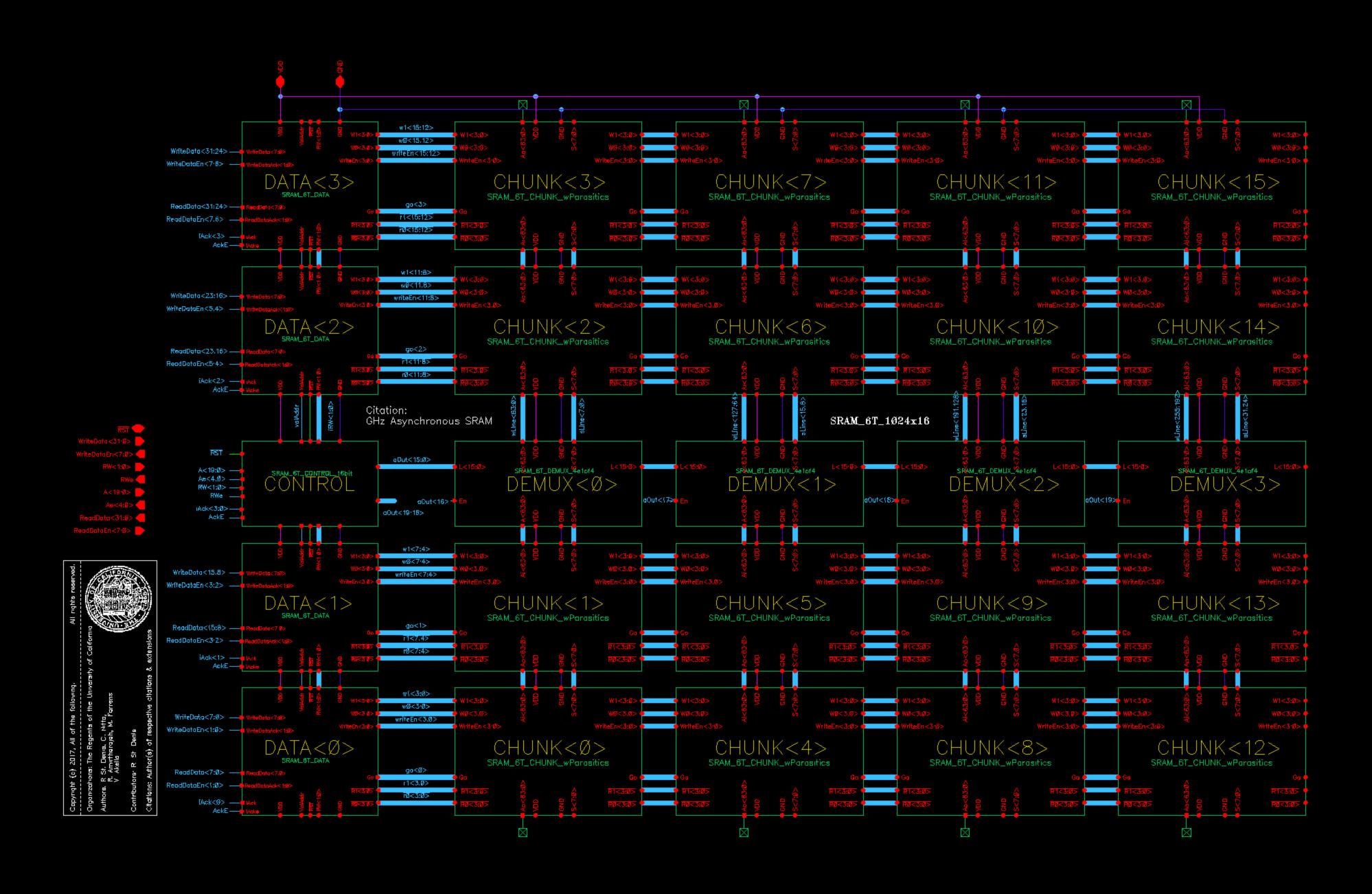


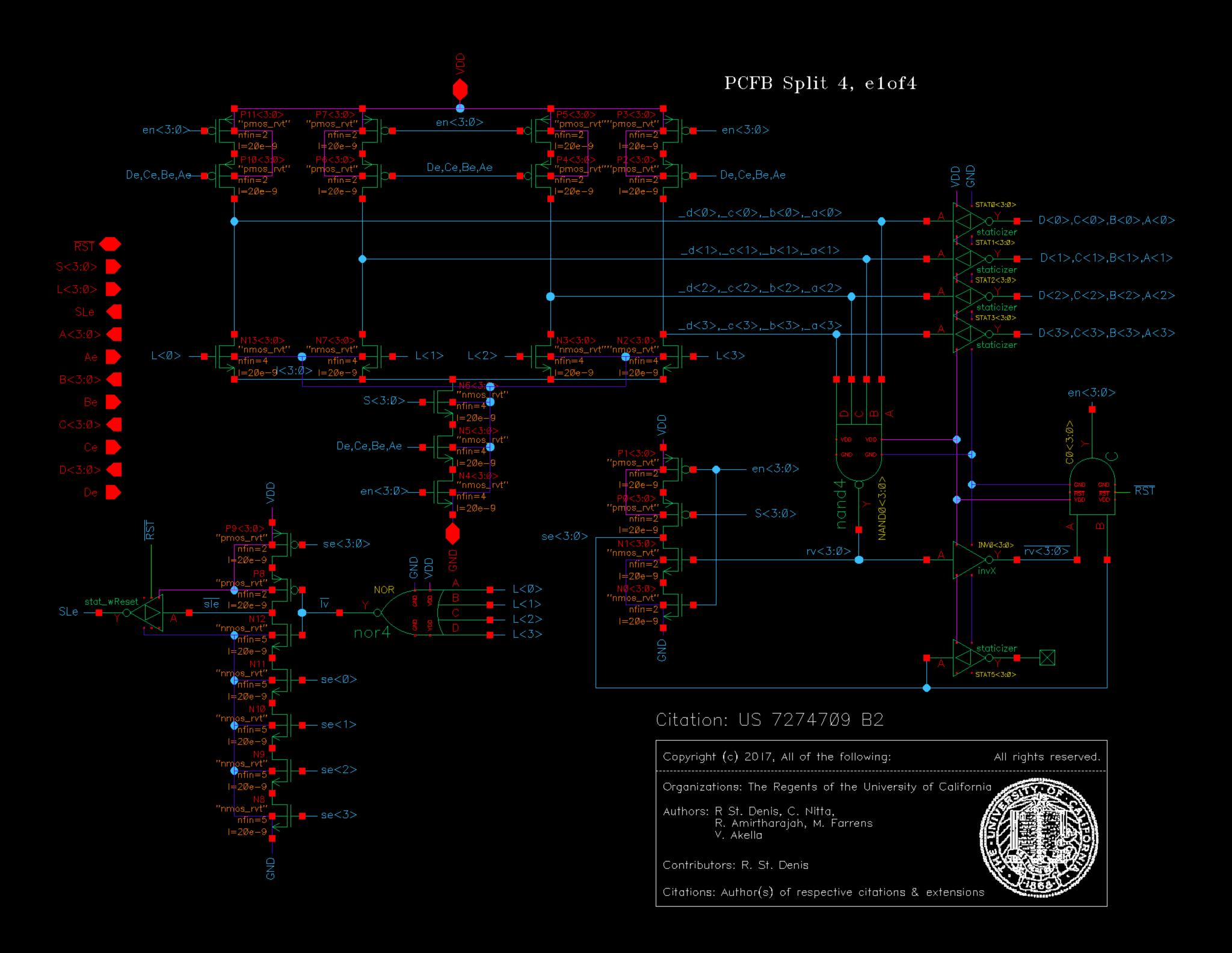


Citation: US 6961863 B2

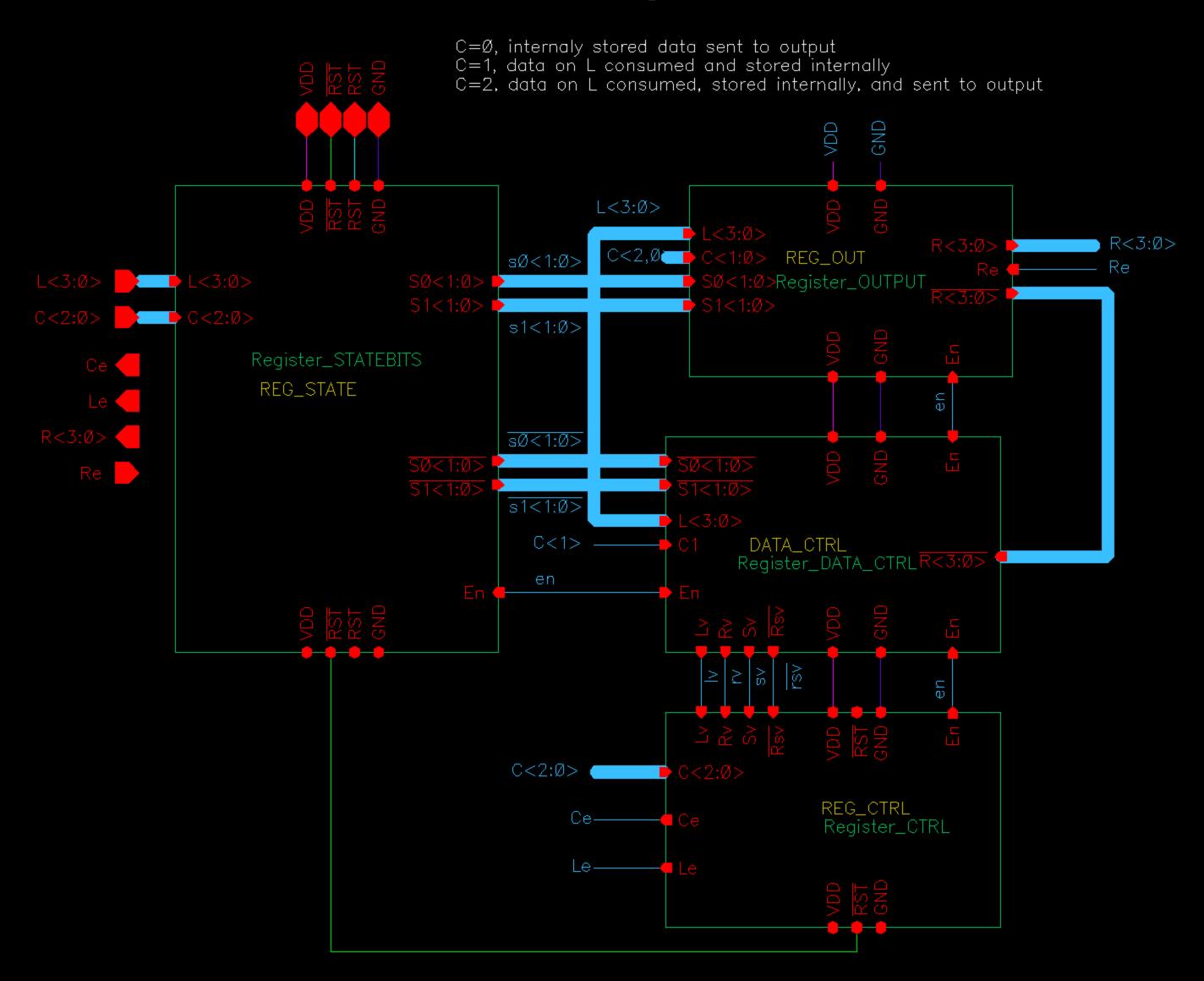








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Asynchronous Citation: A Designer's

