ROCNANTE
Motor Control SoC with integrated RISC-V Core
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September, 2019
Trinamic’s advanced microsystems transform digital information in physical motion.
WHY INTEGRATE A MICROCONTROLLER INTO A MOTOR DRIVER?
WHY MOTOR CONTROL IN HARDWARE?
Trend

SOFTWARE

DEFINED PRODUCT

Software changes,

Physics don‘t.
Example: FOC Current Controller

- Faster settling time
- Torque follows faster
- Better Position stability
- Reduced risk of overcurrent
WHY RISC-V?
WHY RISC-V:

- Flexible Choice of Extensions
- Strong Supporters
- Fast growing ecosystem
- Stable and Sustainable
DRIVEN BY USE CASES.
THE SYSTEM STARTS TO TAKE SHAPE...
Let’s Get Physical
DOCK5 Development Board
Thank You!