TFIFO
RFIFO
Pull Engine
Push Engine
CSRs
Scratch
Hash
TFIFO
CSRs
Scratch
Hash

command queues
8-entry (pull)
8-entry (hash)
8-entry (push)

data from SRAM transfer registers
commands from microengine command bus
data to SRAM transfer registers

Pull Engine

data enters
commands arrive

Push Engine

commands arrive
data leaves