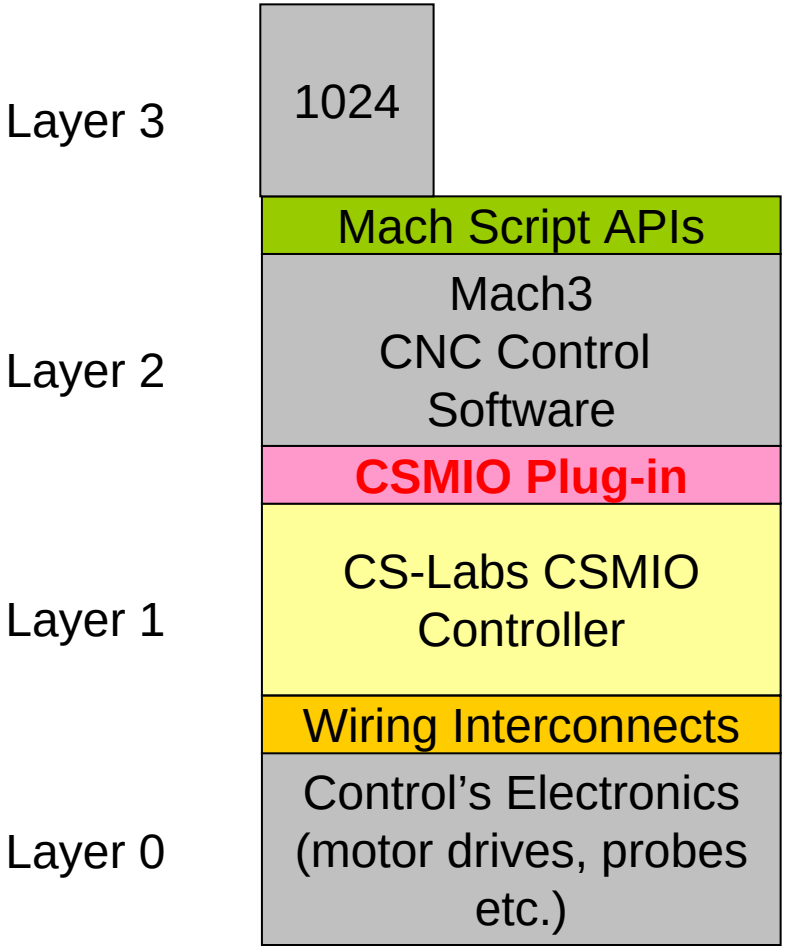
CS-Labs CSMIO

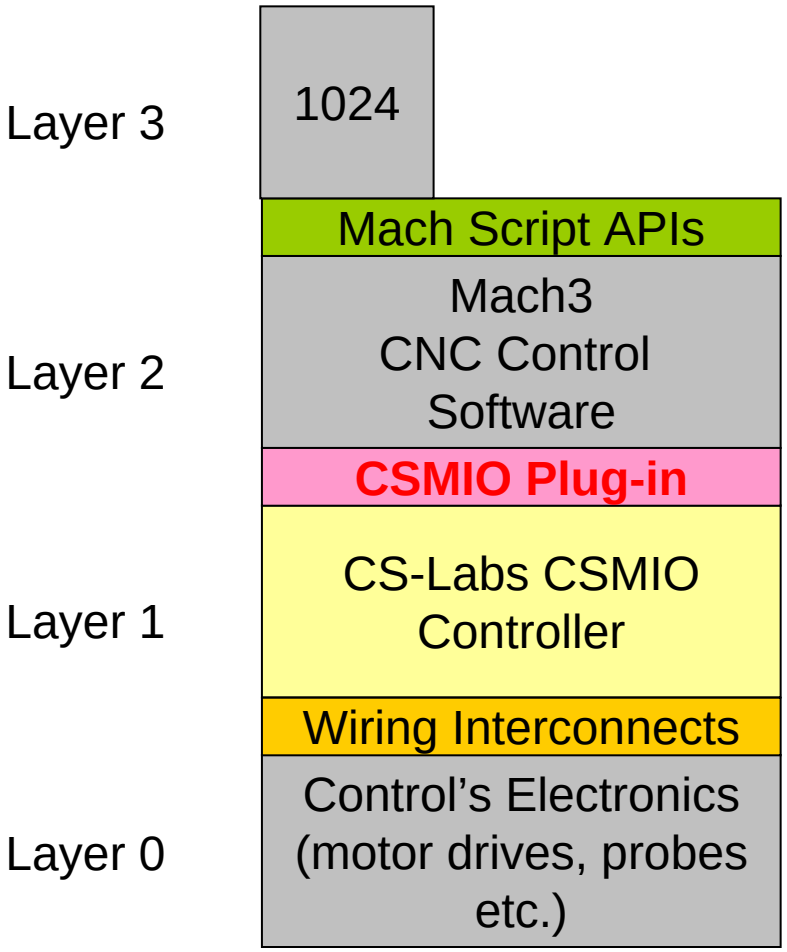
May 2013 Status

CS-Labs Incompatibility 1024 + Mach3 + CSMIO



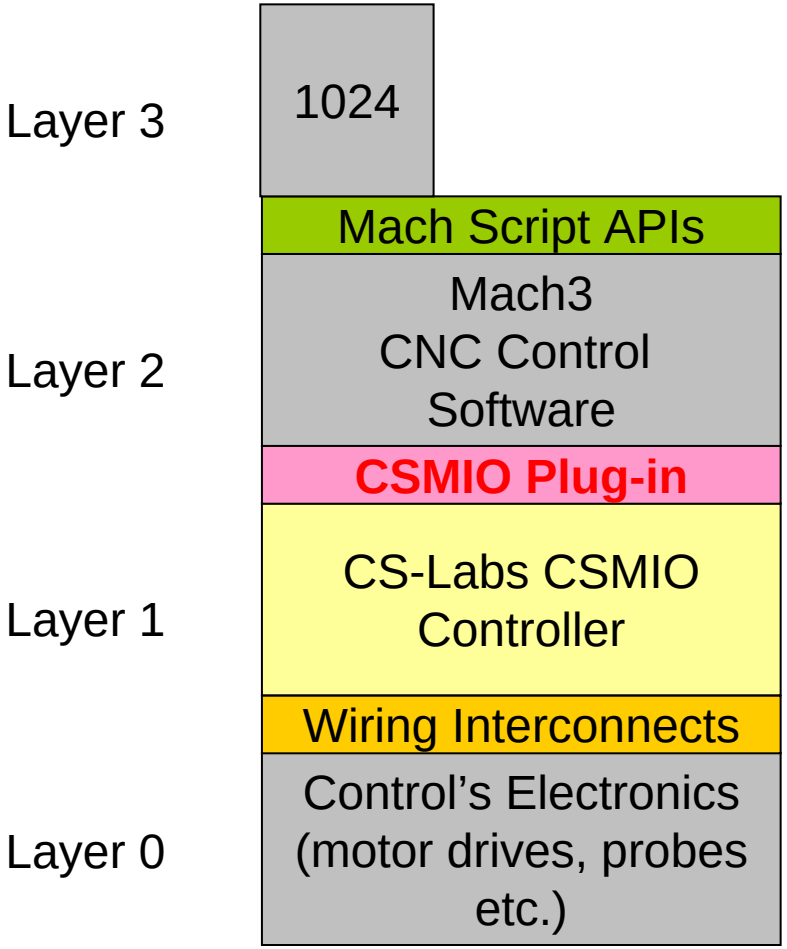
- CS-labs has made a change in recent CSMIO plug-ins.
  - They have added Plug-in logic that makes some probing operations put mach into E-Stop.
  - These changes make the CSMIO motion control product incompatible with the actions of the Mach3 PP.

CS-Labs Technical Incompatibility



- CS-Labs changes break the operation of some probing operations for *any Mach 3 application*.
  - The broken probing operations are some that MSM utilizes for the auto tool measurement features for MSM.
  - This is a CSMIO to Mach (L1 to L2) technical bug.
- The CSMIO plug-in is not implementing the same semantics as those provided by the Mach PP driver.
- This is NOT a MSM/CSMIO conflict.
  - MSM is simply an upper layer application that can not work correctly when a lower layer changes the system semantics.

CS-Labs Support Attitude



- The CS-Labs plug-in changes caused technical problems for users with both a CSMIO controller and MSM.
- CVI contacted CS-Labs to work with them to resolve the issues for our mutual customers.
  - CS-Labs has told CVI they have explicitly chosen to make the incompatible plug-in change, and they do not see this to be a problem.
  - CS-Labs has told CVI they only offer 1024 compatibility.
  - CS-Labs says their change "works" with 1024.
    - CVI note: Yes, because 1024 does not use the impacted Mach3 abilities.
    - A broken interface does not cause a problem if it is never used.

CVI position re CS-Labs CSMIO controls

- CSMIO product has Mach3 compatibility technical issues.
- CS-Labs has acknowledged the situation and declined to correct the technical issues.
- The existing issues break the MSM Auto TLO feature set.

- Therefore: CVI can not recommend the CSMIO controller due to it’s incompatibilities with Mach3 PP semantics.