



The success of static CDC verification tools is determined by two critical measures—the time taken to signoff the RTL and the completeness of CDC verification. Conventional CDC analysis tools fall short in both areas. They generate large amounts of noise (false violations), extending the verification cycle, and provide inadequate coverage on various types of CDC issues. Figure 2 describes the class of bugs/scenarios, which, if not verified correctly, can cause design re-spins. These bugs can be structural as well as functional in nature.



