

SNIA  | SFF

New Project Proposal: SFF-TA-1047 <Automotive EDSFF Interconnect >

Presented: 2025-12-19

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Supporters: Zhineng Fan [Amphenol], James Hou, Haibin Ma [Lenovo], Sagiv Aharonoff [Nvidia], Michael Allison [Samsung]

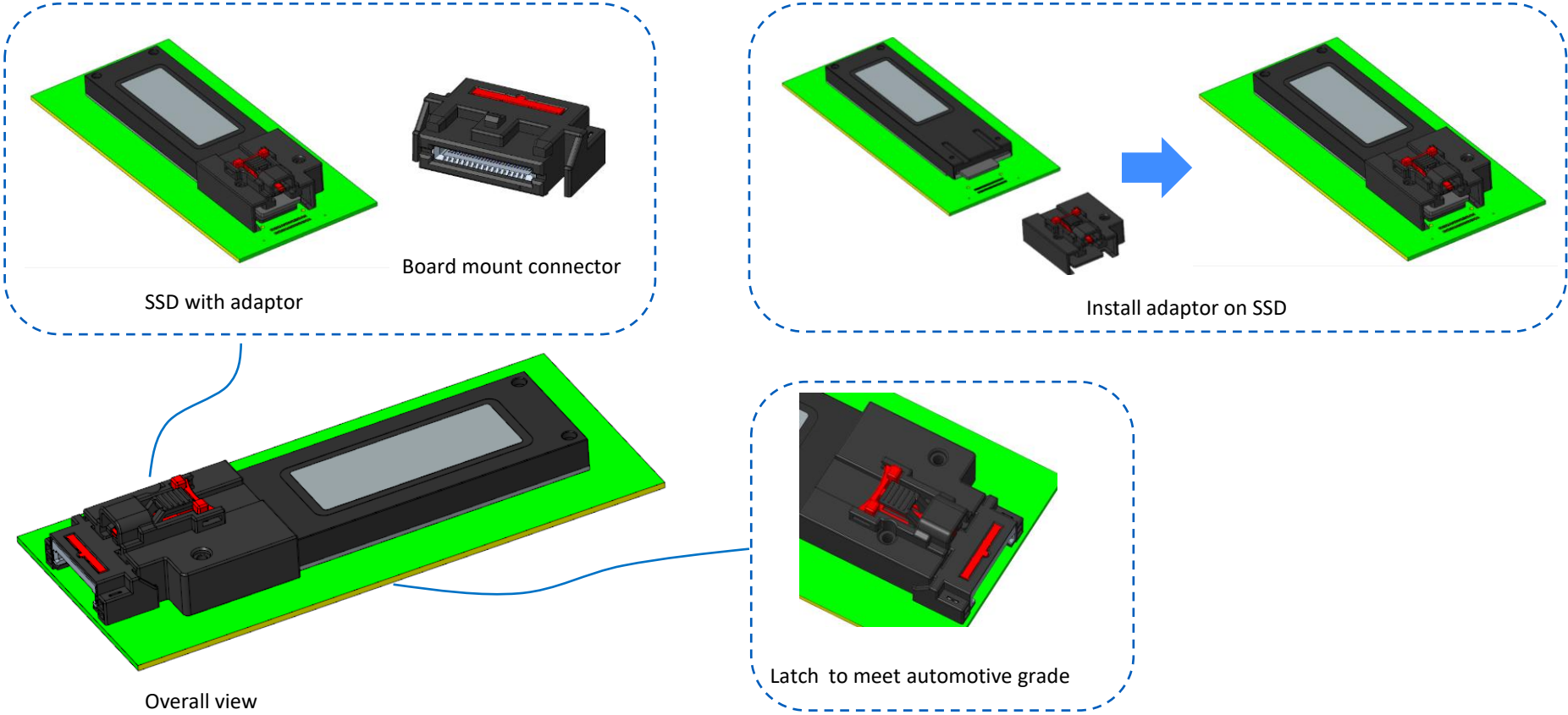
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- The specification defines automotive EDSFF connector interface, enhanced mechanical features for the application and its reliability performance requirement.
- Editor(s): Zhineng Fan
- Supporters:
 1. Amphenol
 2. Lenovo
 3. Nvidia
 4. Samsung

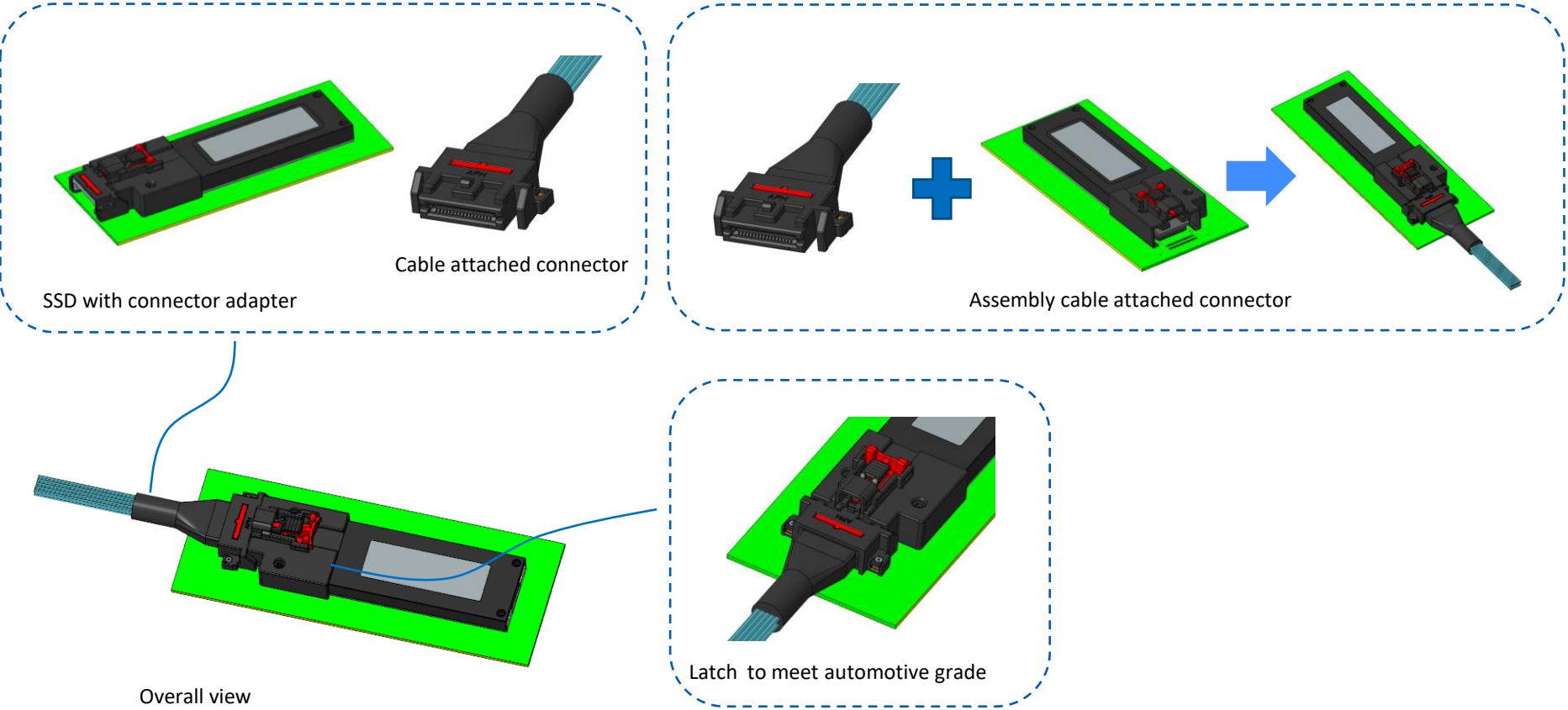
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- The specification defines an automotive EDSFF connector with receptacle connector and adaptor install on SSD device side.
 - The connector interface has the same contact pin and gold finger pattern as SNIA-TA-1002.
 - Both board attached connector and cable attached connector are specified with additional enhanced mechanical features to meet automotive applications
 - The adaptor is installed on device side. It mates to the receptacle connector and enhances the locking strength.
- IP Declaration (if applicable):
 - CN202422513869.8
 - CN202422836517.6
- General timeline for project completion: Q1,2026

Overview of Board attached Connector



Overview of Cable Attached Connector





Thank You

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