



Activation Key

Product Architecture Specification

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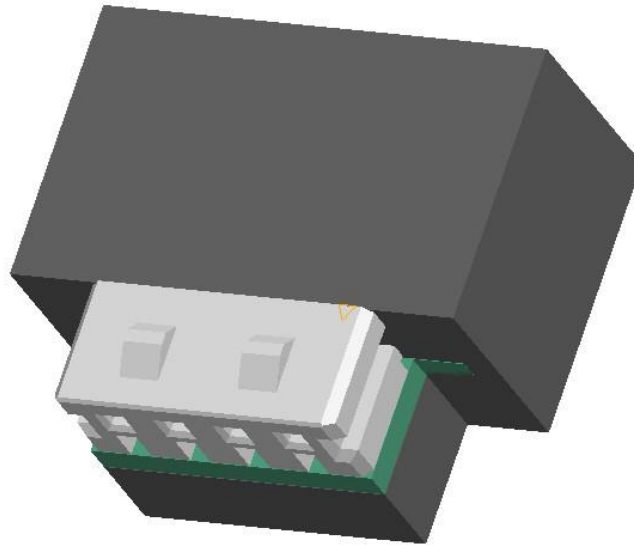
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1. Activation Key

The Activation Key is a common board across all Purley servers (and Basin Falls Workstations) and baseboards. The Activation Key is a small PCB board that has security EEPROM's that are read by the Intel® Rapid Storage Technology (Intel® RSTe) UEFI driver to enable different versions of the Intel Virtual RAID on CPU (Intel® VROC) software stack. The PCB is enclosed by a cosmetic plastic cover. The activation key docks into a 4-pin connector on the baseboard and is retained by locking features on this connector.



2. Activation Key Placement

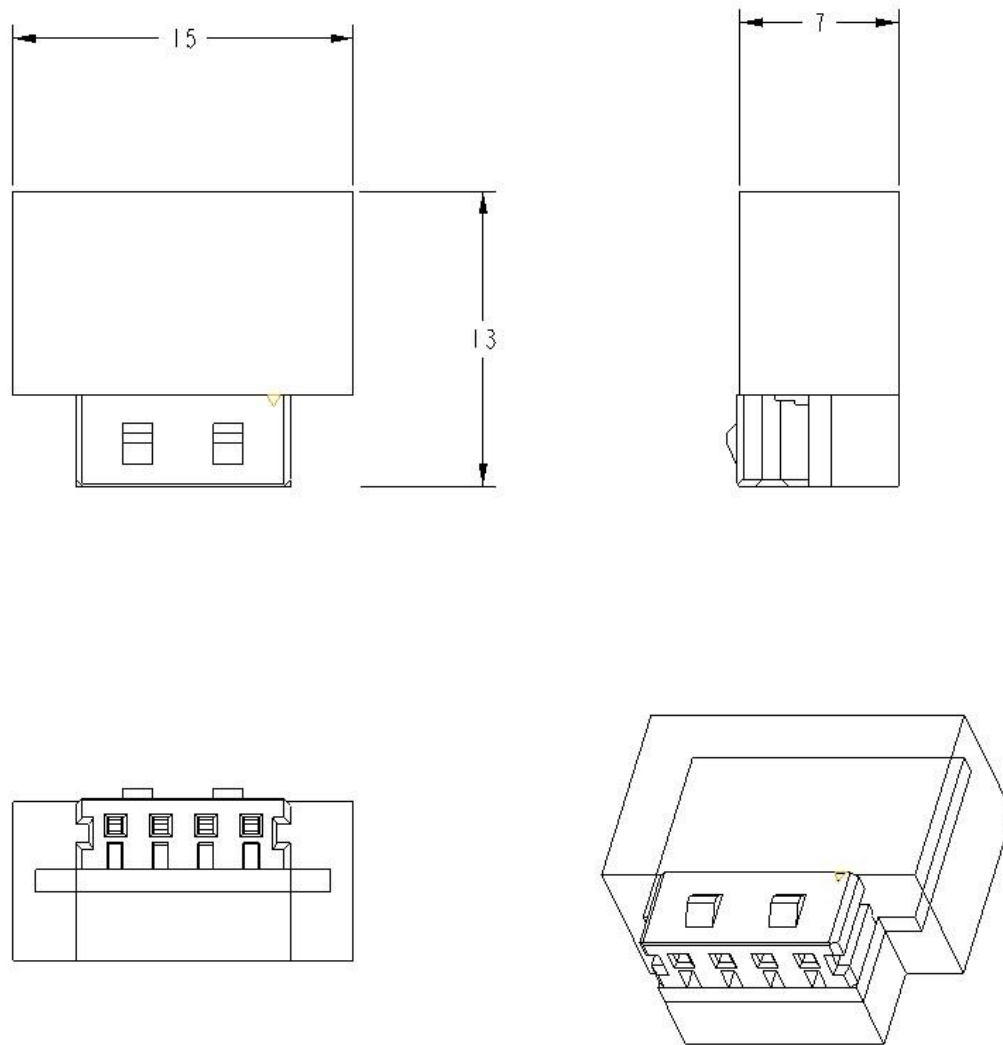


Figure 1: Activation Key Dimensioned Drawing

NOTE: Height of storage key is set such that it can fit under PCIe cards, in pedestal or rack application. This will offer better baseboard placement flexibility without impacting PCIe card support.

2.1 Activation Key Placement Details

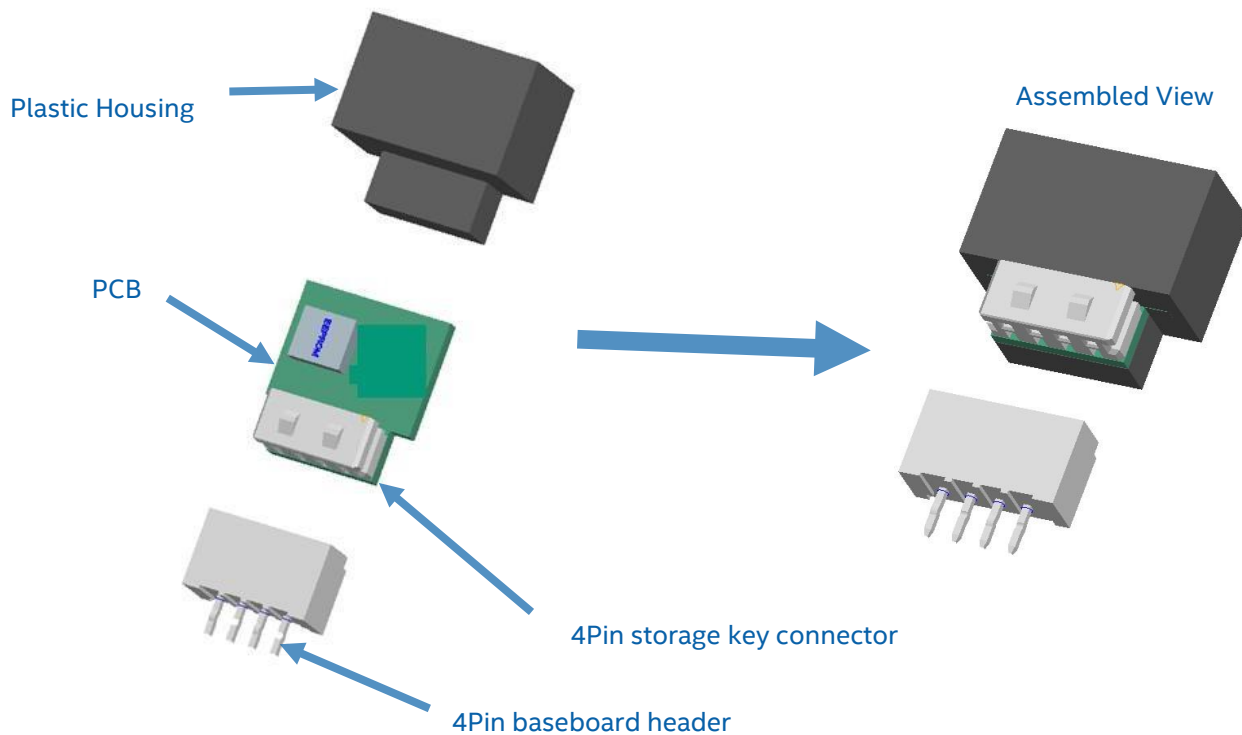


Figure 2: Activation Key Placement Details

Baseboard side header - Molex 53290-0480, the 2d drawing is located at the below public link.

http://www.molex.com/molex/products/datasheet.jsp?part=active/0532900480_PCB_HEADERS.xml

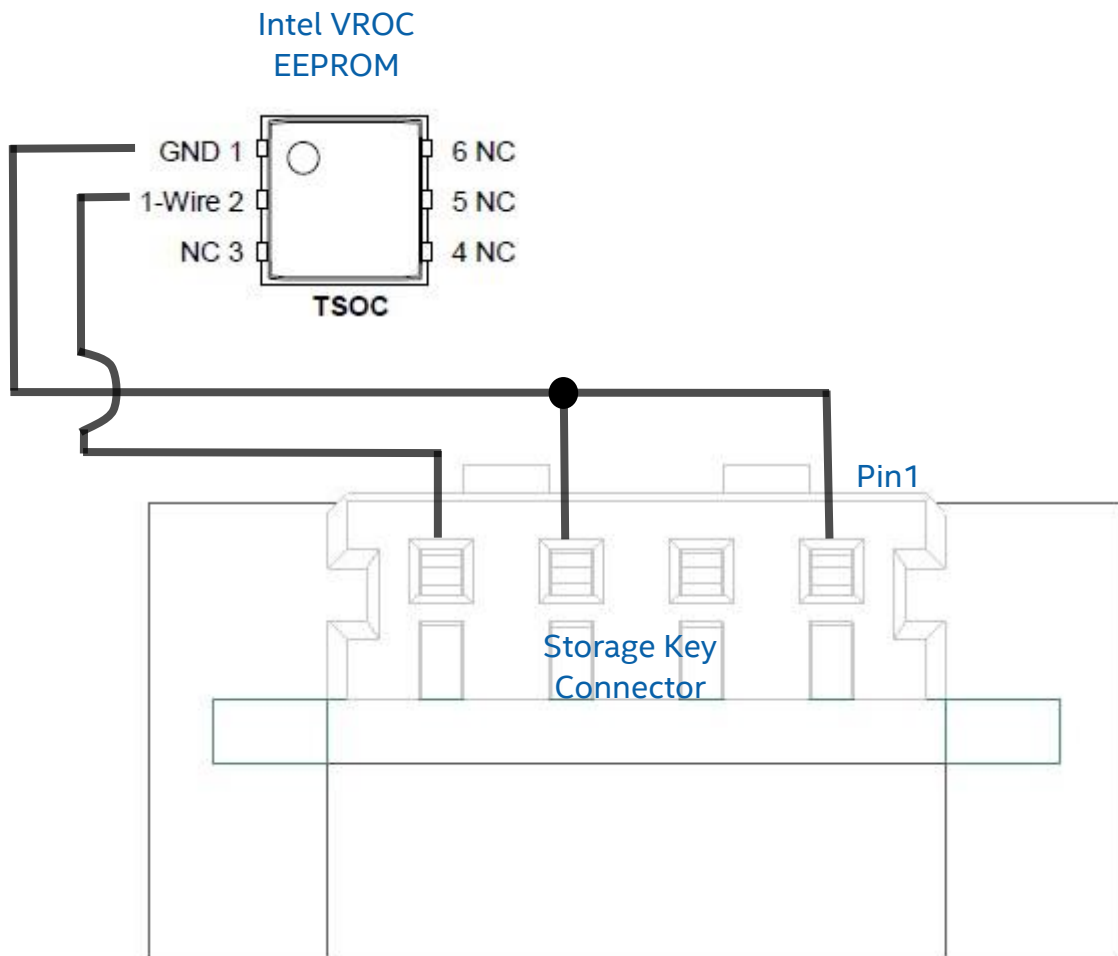
Intel® VROC upgrade module side receptacle – Molex 52418-0410, the 2d drawing is located at the below public link.

http://www.molex.com/molex/products/datasheet.jsp?part=active/0524180410_PCB_RECEPTACLES.xml

3: Molex Header Specifications

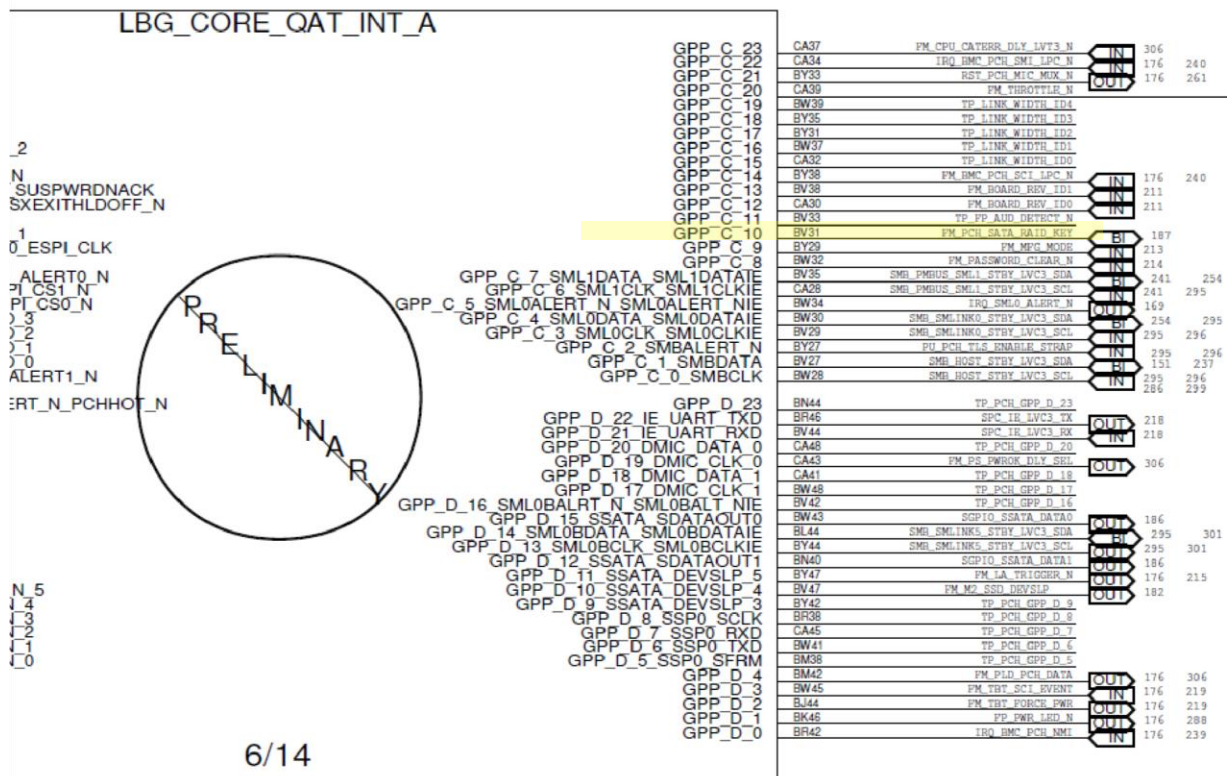
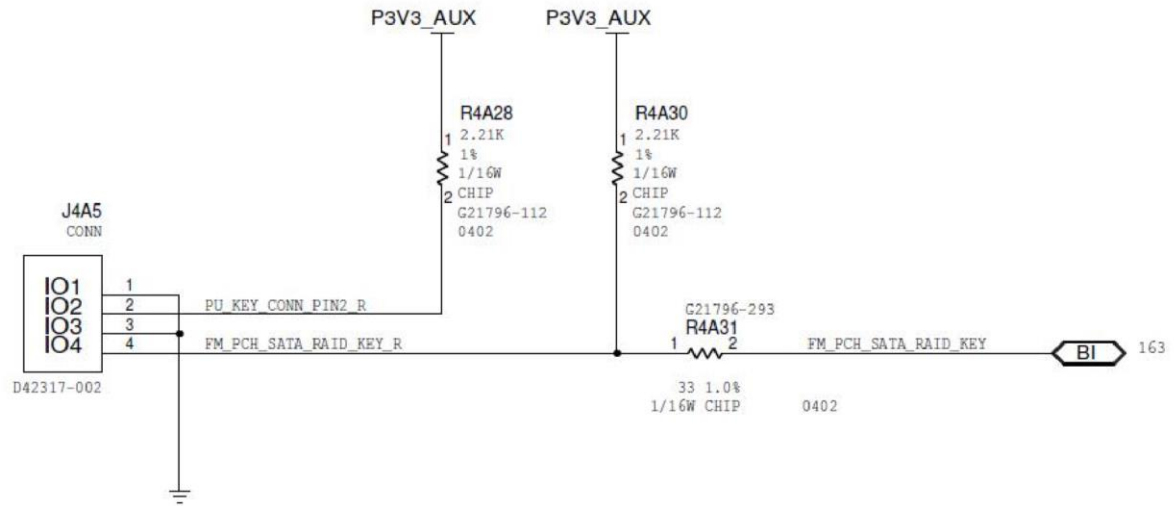
3. Activation Key Functional Description

3.1 Intel VROC Activation Key Block Diagram

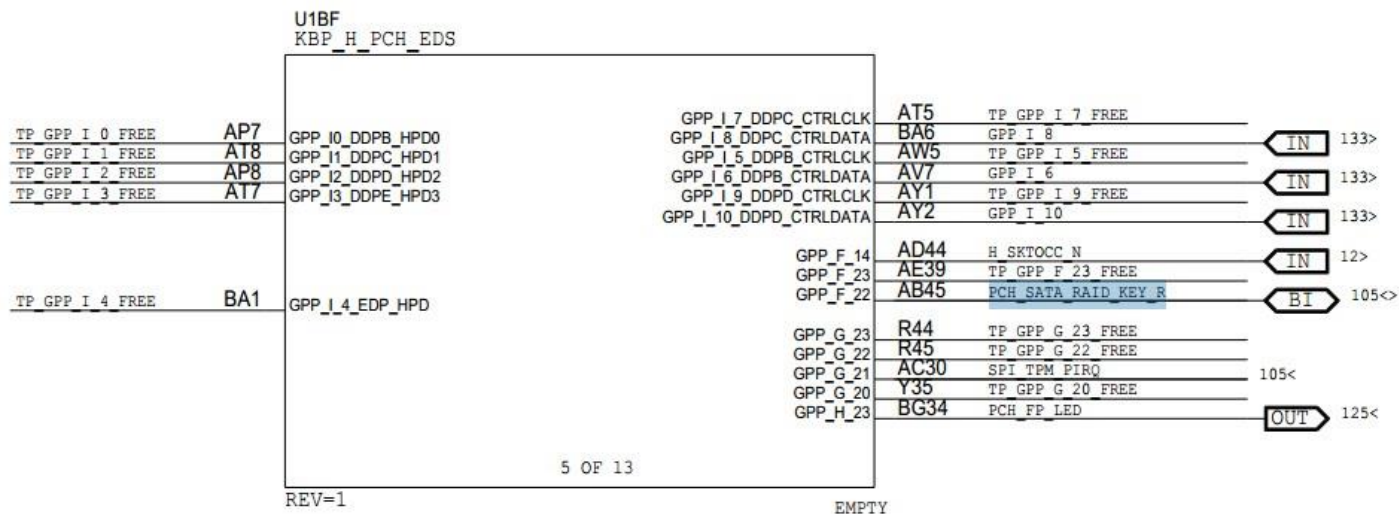
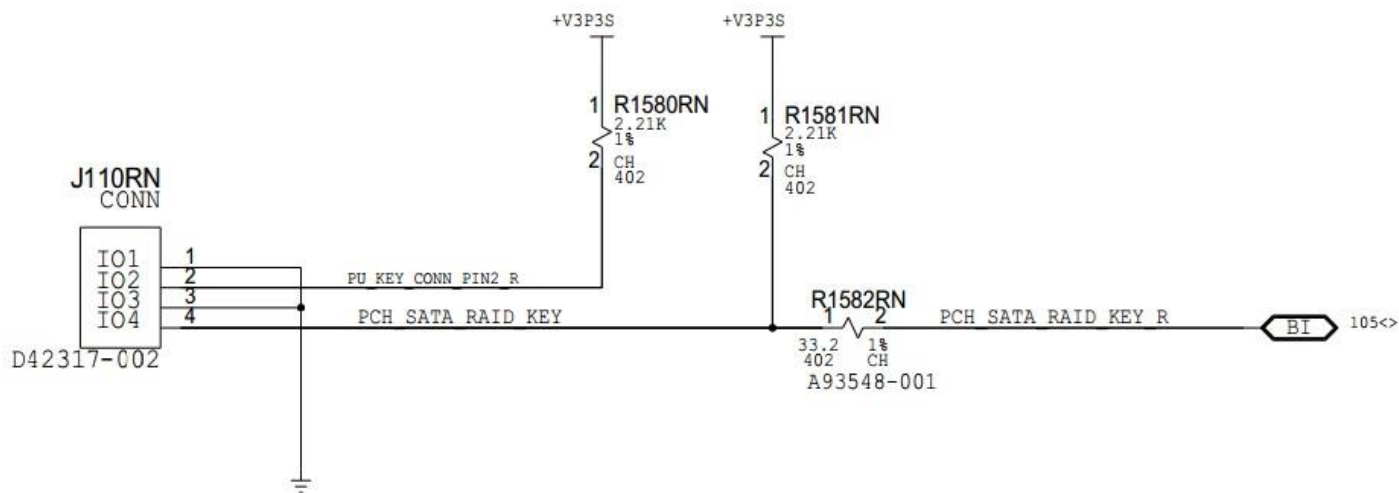


4: Activation Key Wire Diagram

P3V3_AUX	P3V3_AUX
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5: Diagrams from the Neon City (Purley reference board) schematic



6: Diagrams from the Basin Falls schematic