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Product Specifications of the µPD720210 Hub Controller

- Compliant with Universal Serial Bus 3.0 Specification Revision 1.0, which is released by USB Implementers Forum, Inc
- Supports the following speed data rate: Low-speed (1.5Mbps) / Full-speed (12Mbps) / High-speed (480Mbps) / Super-speed (5Gbps)
- µPD720210 supports up to 4 downstream ports for all speeds
    - Configurable port number up to 4
- Supports individual or global over-current detection and individual or ganged power control
- Configurable for the compound device with non-removable port setting
- CLKOUT function (24MHz/12MHz) to reduce total BOM cost
- Low power consumption suitable for Energy Start program
- 5v to 3.3v and 5v to 1.05v integrated voltage regulators
- System clock: 24 MHz crystal or clock generator
- Supports USB Battery Charging Specification Revision 1.2 and other portable devices
- Optional ROM enables the additional flexibility
    - Each customer's information configuration such as Vendor ID, Product ID, UUID
    - Firmware update in the future avoiding interconnection problem
- Small and low pin count package with simple pin assignment for PCB layout
- Suspend Output is available