## EVB-USB2514QFN48

Customer Evaluation Design for USB2514, QFN48 package

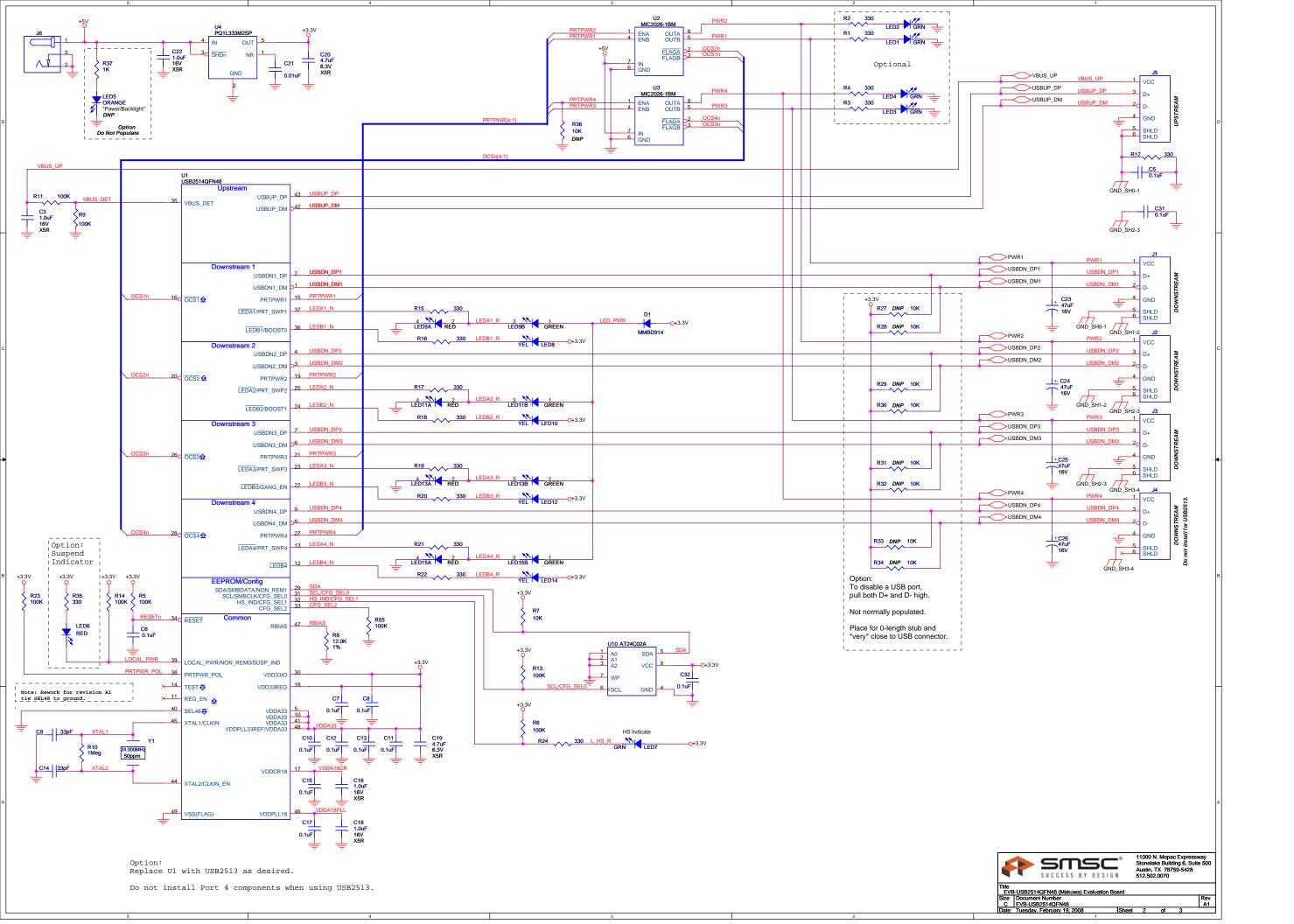
**Revision History** 

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Revision	Date	Revision Summary	Author
01	20070119	Initial schematic - from EVB-USB2514QFN36_A.	C. Johnson
02	20070122	Revised components for layout.	C. Johnson
03	20070123	Added EMI/ESD components.	C. Johnson
Α	20070125	Revised GND_SHIELD nets, swapped port power controllers. Released.	C. Johnson
A1	20080219	Connected SEL48 to ground. SEL48 does not have internal pulldowr	.H. Magnusson

Self-powered, 4-port USB 2.0 HUB, Expanded feature set

(\*Also Supports USB2513 in a 3-port implementation.)





Note 1:
Parts normally NOT populated. If parts are wanted, place very near to the associated USB connectors.
Part terminals have been shorted to allow normal operation without parts. Exposed traces in footprints must be cut prior to installation of these parts. Optional EMI/ESD Protection (Note 1) Optional EMI Protection (Note 1) Optional ESD Protection C33 0.1uF 50V DNP BRO BGX50A DNP 2 L0 *DNP*DLW21SN900SQ2 FB0 DNP
BLM21PG221SN1D USBUP DP USBUP DM < C37 0.1uF 50V DNP L1 *DNP*DLW21SN900SQ2
1 000 2 | PWR1 | PWR1 | BLM21PG221SN1D | USBDN\_DP1 | USBDN\_DP1 USBDN DM1 < C34 0.1uF 50V DNP BR2 BGX50A DNP 2 | PWR2 | PWR2 | BLM21PG221SN1D | USBDN\_DP2 | L2 *DNP*DLW21SN900SQ2 USBDN\_DP2 BR3 BGX50A DNP 2 C35 0.1uF 50V DNP L3 *DNP*DLW21SN900SQ2
2 000 1 FB3 DNP BLM21PG221SN1D USBDN\_DP3 < USBDN\_DM3 < BR4 BGX50A DNP 2 C36 0.1uF 50V DNP L4 DNP DLW21SN900SQ2 SUCCESS BY DESIGN

Title
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