

Schematic Review Form

Customer/Project

TI Confidential - NDA Restrictions

Pin #	Name	Info	Violations	Description
1	VDD3V3	Caps look okay.		3.3V supply voltage
2	EQ0	EQ0 PU for compensation level 1. Please confirm this is intended.		(See Table 5-2)
3	VIOSEL	PU to 1.8V, okay.		VIOSEL is used to select digital I/O input voltage for GPIOs, CROSS and I2C VIOSEL = VSS sets device into 1.2V I/O mode VIOSEL = VDD1V8 sets device into 1.8V I/O mode VIOSEL pin is real time control and not only latched at powered on reset. Be careful when this pin changes dynamically after power-on reset because the output voltage can change from 1.2V to 1.8V.
4	EQ1	PD for compensation level 1.		(See Table 5-2)
5	RESETB	PU to 1.8V with a 100nF PD cap, okay.		Active Low Reset. After the RESETB deassertion, both repeaters are be enabled and in eUSB2 default mode awaiting configuration from eDSPr or eUSPr.
6	DPB	Please ensure there is no CMC in the USB2 data path. Otherwise, okay.		USB port B D+ pin
7	DNB	Please ensure there is no CMC in the USB2 data path. Otherwise, okay.		USB port B D- pin
8	GND	Okay.		GND
9	DNA	Please ensure there is no CMC in the USB2 data path. Otherwise, okay.		USB port A D- pin
10	DPA	Please ensure there is no CMC in the USB2 data path. Otherwise, okay.		USB port A D+ pin
11	VDD1V8	Caps look good.		1.8V analog supply voltage
12	EQ2/INT	PD for compensation level 1.		I2C Mode: Open Drain active low level sensitive interrupt output to system non-I2C Mode: (See Table 5-2)
13	SCL	Floating.	Please confirm I2C is not being used.	I2C clock Open drain I/O.
14	SDA	Floating.	Please confirm I2C is not being used.	Bidirectional I2C data. Open drain I/O. Pulled up to I2C rail through an external resistor
15	VDD3V3	Caps look okay.		3.3V supply voltage
16	eDP0	Please ensure the eUSB2 trace length is within 5 inches.		eUSB2 port 0 D+ pin
17	eDN0	Please ensure the eUSB2 trace length is within 5 inches.		eUSB2 port 0 D- pin
18	GND	Okay.		GND
19	eDN1	Please ensure the eUSB2 trace length is within 5 inches.		eUSB2 port 1 D- pin
20	eDP1	Please ensure the eUSB2 trace length is within 5 inches.		eUSB2 port 1 D+ pin

Comments