10G MUX Add netlist

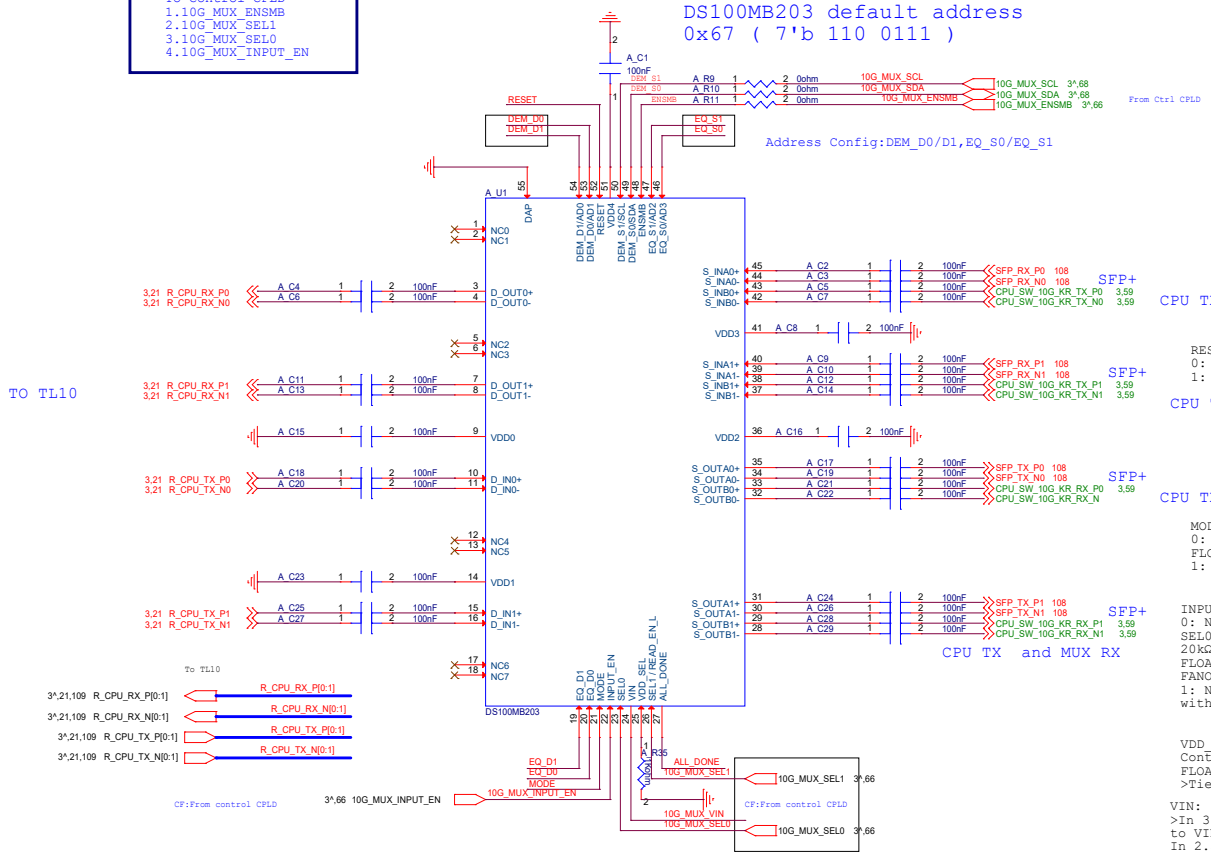
To Control CPLD
1.10G_MUX_ENSMB
2.10G_MUX_SEL1
3.10G_MUX_SEL0
4.10G_MUX_INPUT_EN

DS100MB203 default address
0x67 ( 7'b 110 0111 )

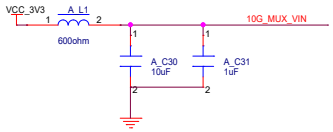
Address Config:DEM_D0/D1,EQ_S0/EQ_S1

**Table 6. Device Slave Address Bytes**

| AD[3:0] SETTINGS | ADDRESS BYTES (HEX) |
|---|---|
| 0000 | B0 |
| 0001 | B2 |
| 0010 | B4 |
| 0011 | B6 |
| 0100 | B8 |
| 0101 | BA |
| 0110 | BC |
| 0111 | BE |
| 1000 | C0 |
| 1001 | C2 |
| 1010 | C4 |
| 1011 | C6 |
| 1100 | C8 |
| 1101 | CA |
| 1110 | CC |
| 1111 | CE |

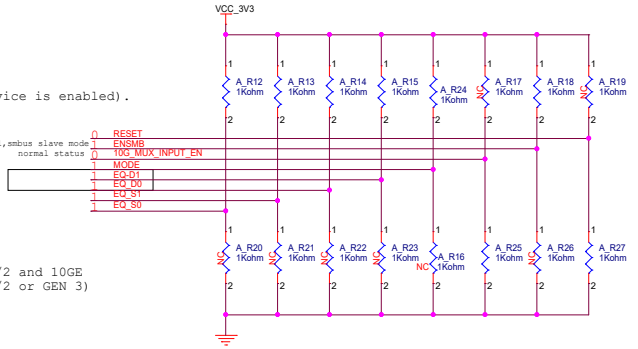







RESET:
0: Normal operation (device is enabled).
1: low power mode.

MODE:
0: SATA/SAS, PCIe GEN 1/2 and 10GE
FLOAT: AUTO (PCIe GEN 1/2 or GEN 3)
1: 10G-KR

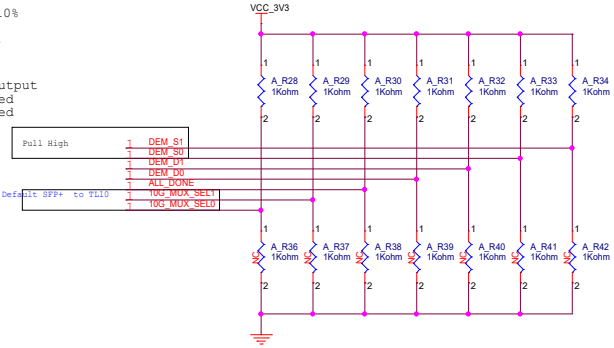



INPUT_EN:
0: Normal operation, FANOUT is disabled, use SEL0/1 to select the A or B input/output (see SEL0/1 pin), input always enabled with 50 Ω .
20kΩ to GND: Reserved
FLOAT: AUTO - Use RX Detect, SEL0/1 to determine which input or output to enable, FANOUT is disable
1: Normal operation, FANOUT is enabled (both S_OUT0/1 are ON). Input always enabled with 50 Ω .

VDD_SEL:
Controls the internal regulator
FLOAT: 2.5-V mode
>Tied to GND: 3.3-V mode

VIN:
>In 3.3-V mode, feed 3.3 V ± 10% to VIN
In 2.5-V mode, leave floating.

ALL_DONE:
Valid Register Load Status Output
0: External EEPROM load passed
1: External EEPROM load failed




SEL1:
Select pin for Lane 1.
0: selects input S_INB1± , output S_OUTB1±.
20 kΩ to GND: selects input S_INB1± , output S_OUTA1±.
FLOAT: selects input S_INA1± , output S_OUTB1± .
1: selects input S_INA1± , output S_OUTA1±.

SEL0:
Select pin for Lane 0.
0: selects input S_INB0± , output S_OUTB0±.
20 kΩ to GND: selects input S_INB0± , output S_OUTA0±.
FLOAT: selects input S_INA0± , output S_OUTB0± .
1: selects input S_INA0± , output S_OUTA0±.

| SEL0 | SEL1 | INPUT_EN | |
|---|---|---|---|
| 1 | 1 | 0 | D_OUT0 connects to S_INA0.<br>D_OUT1 connects to S_INA1.<br>D_IN0 connects to S_OUTA0. S_OUTB0 is in IDLE (output muted).<br>D_IN1 connects to S_OUTA1. S_OUTB1 is in IDLE (output muted). |