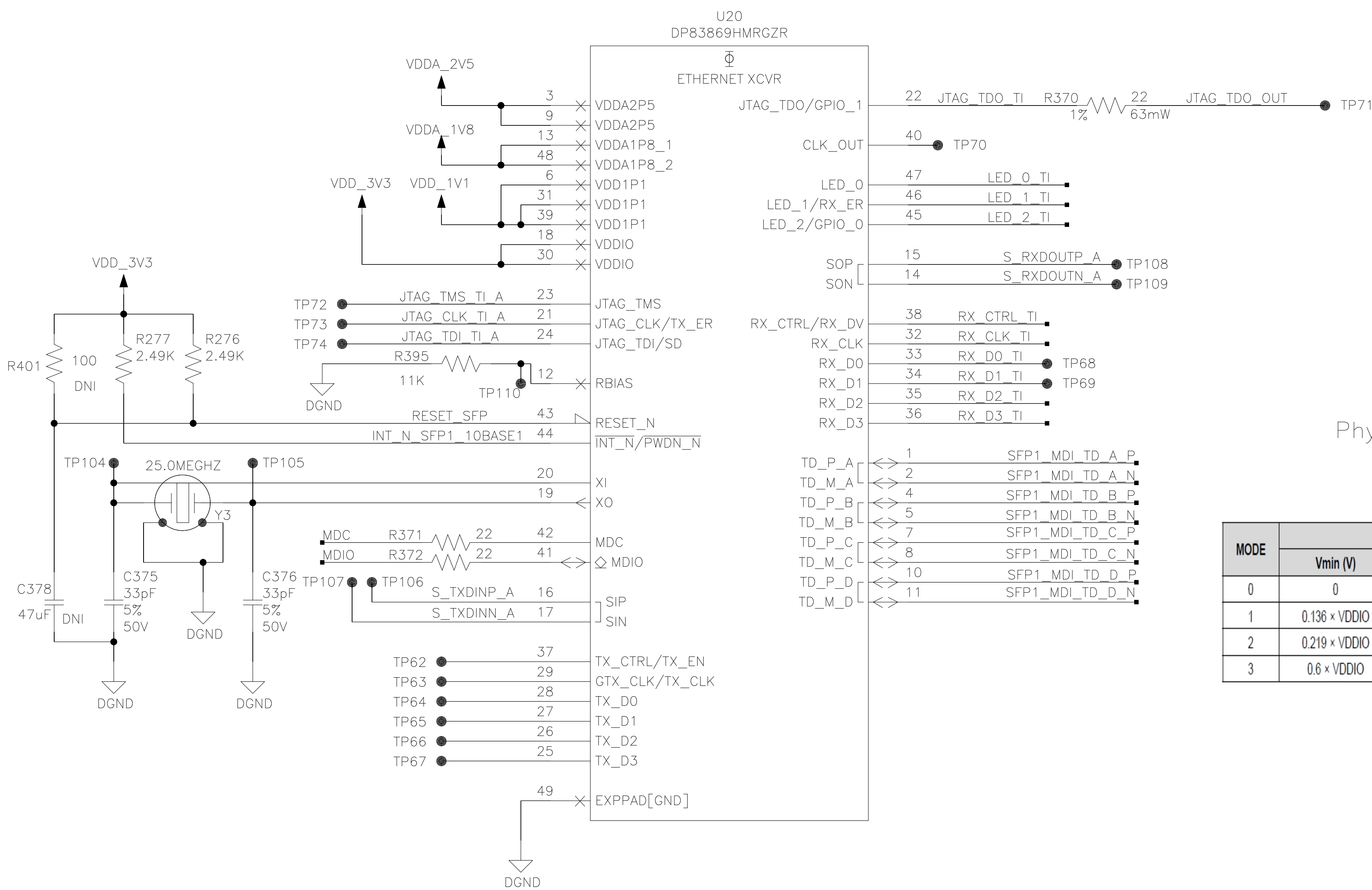


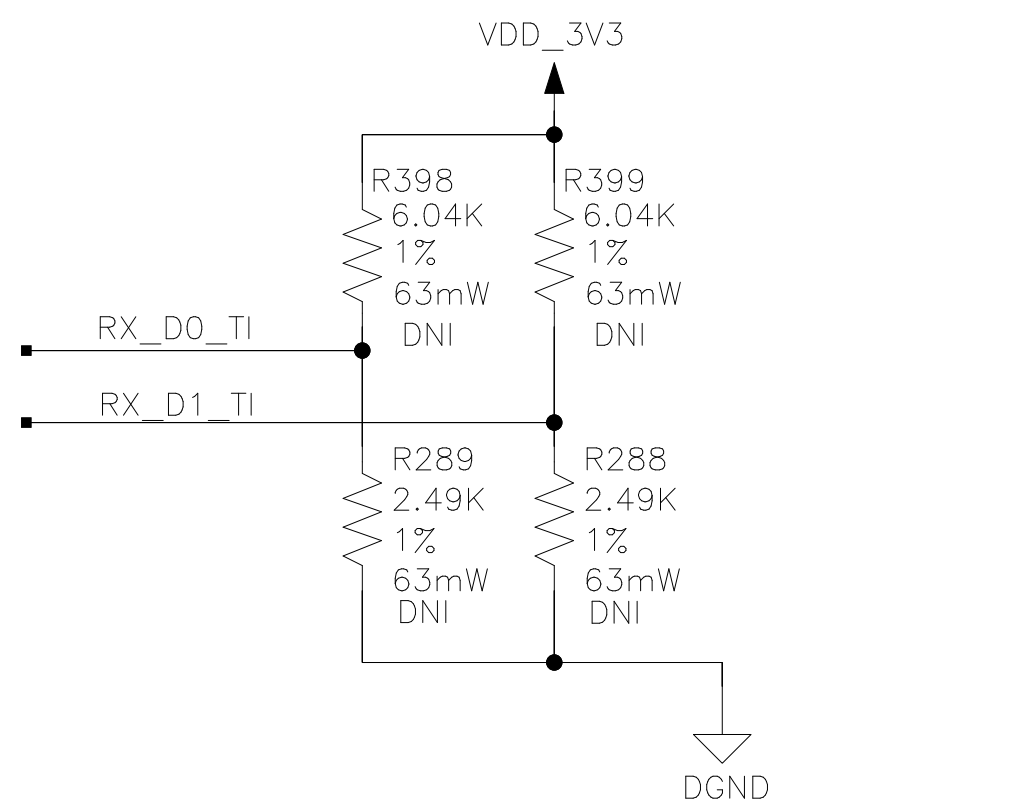
CAT 5 to FIBER Media Conversion – A



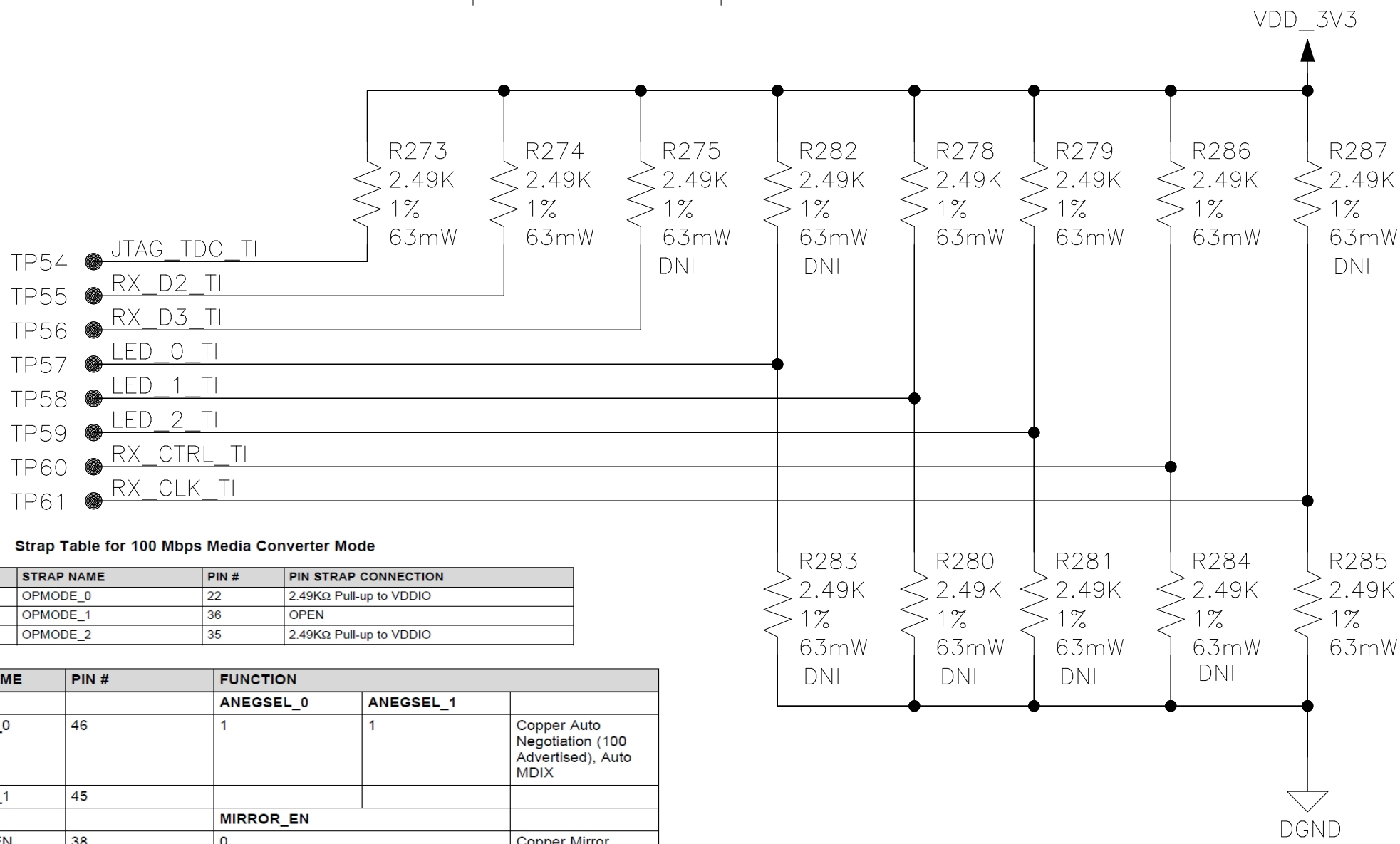
Phy Add – 0x0000 (MODE 0)

Table 9. 4-Level Strap Resistor Ratio

MODE	TARGET VOLTAGE			IDEAL RESISTORS	
	Vmin (V)	Vtyp (V)	Vmax (V)	Rhi (kΩ)	Rlo (kΩ)
0	0	0	0.093 × VDDIO	OPEN	OPEN
1	0.136 × VDDIO	0.165 × VDDIO	0.184 × VDDIO	10	2.49
2	0.219 × VDDIO	0.255 × VDDIO	0.280 × VDDIO	5.76	2.49
3	0.6 × VDDIO	0.783 × VDDIO	0.888 × VDDIO	2.49	OPEN

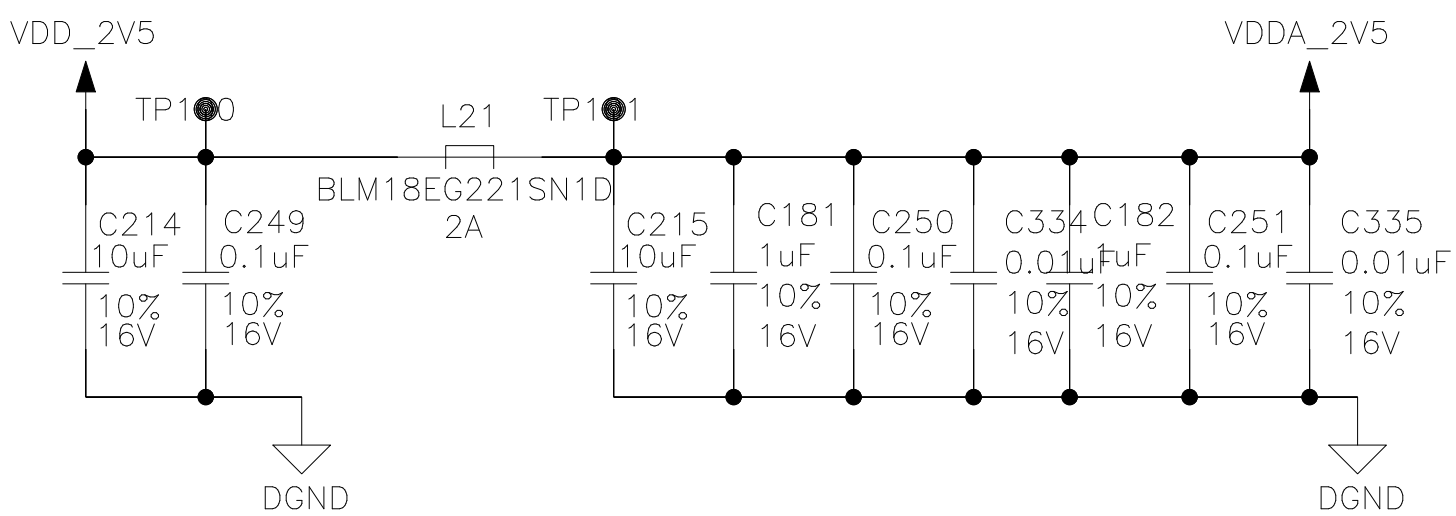
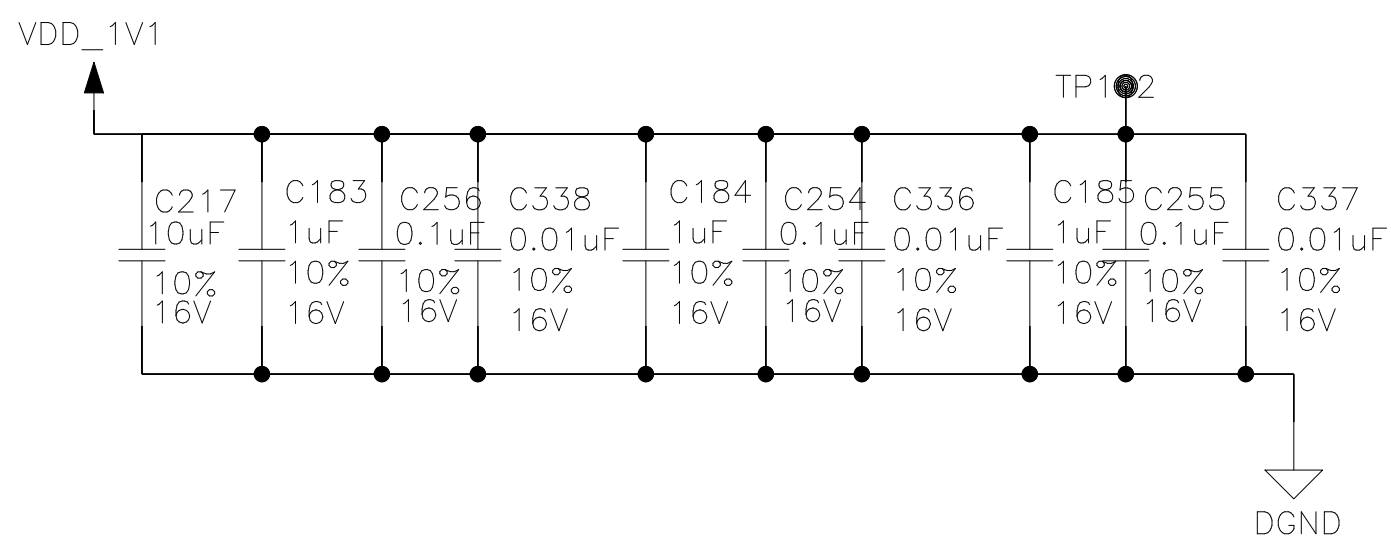
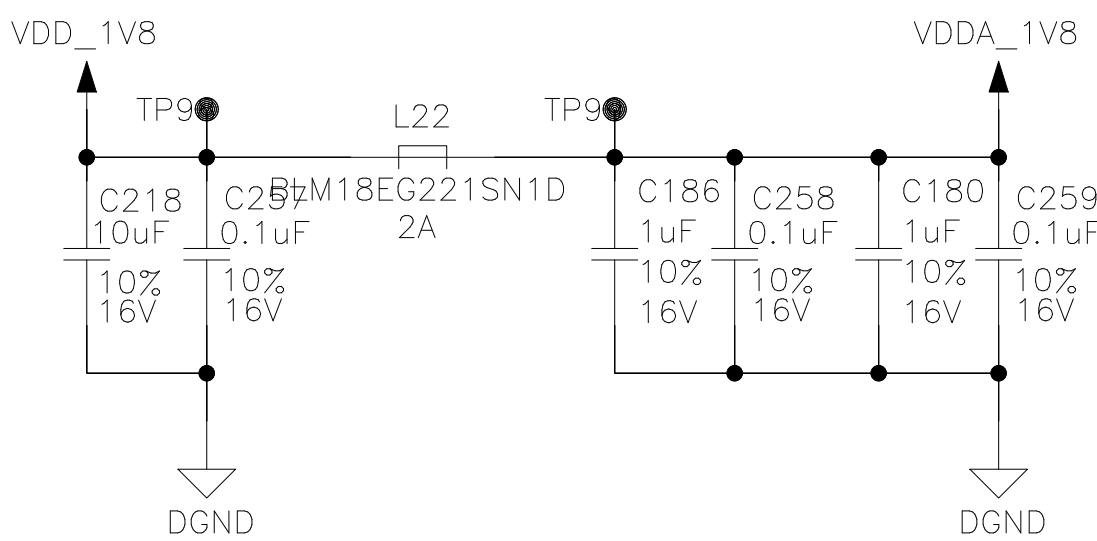
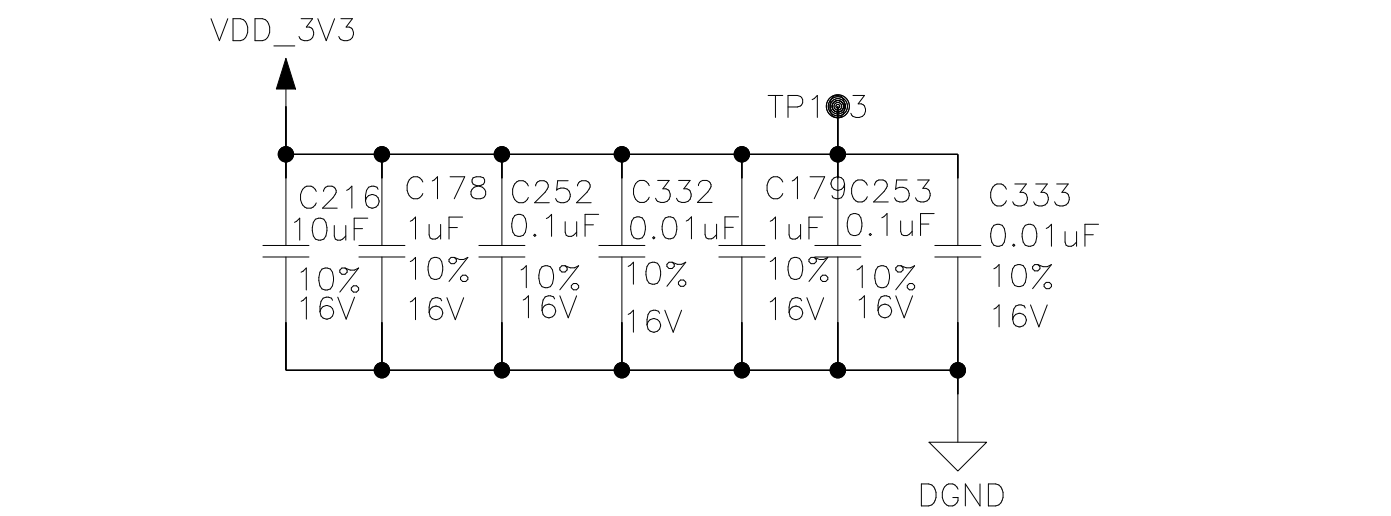


Strap for 100 Mbps Media Converter Mode

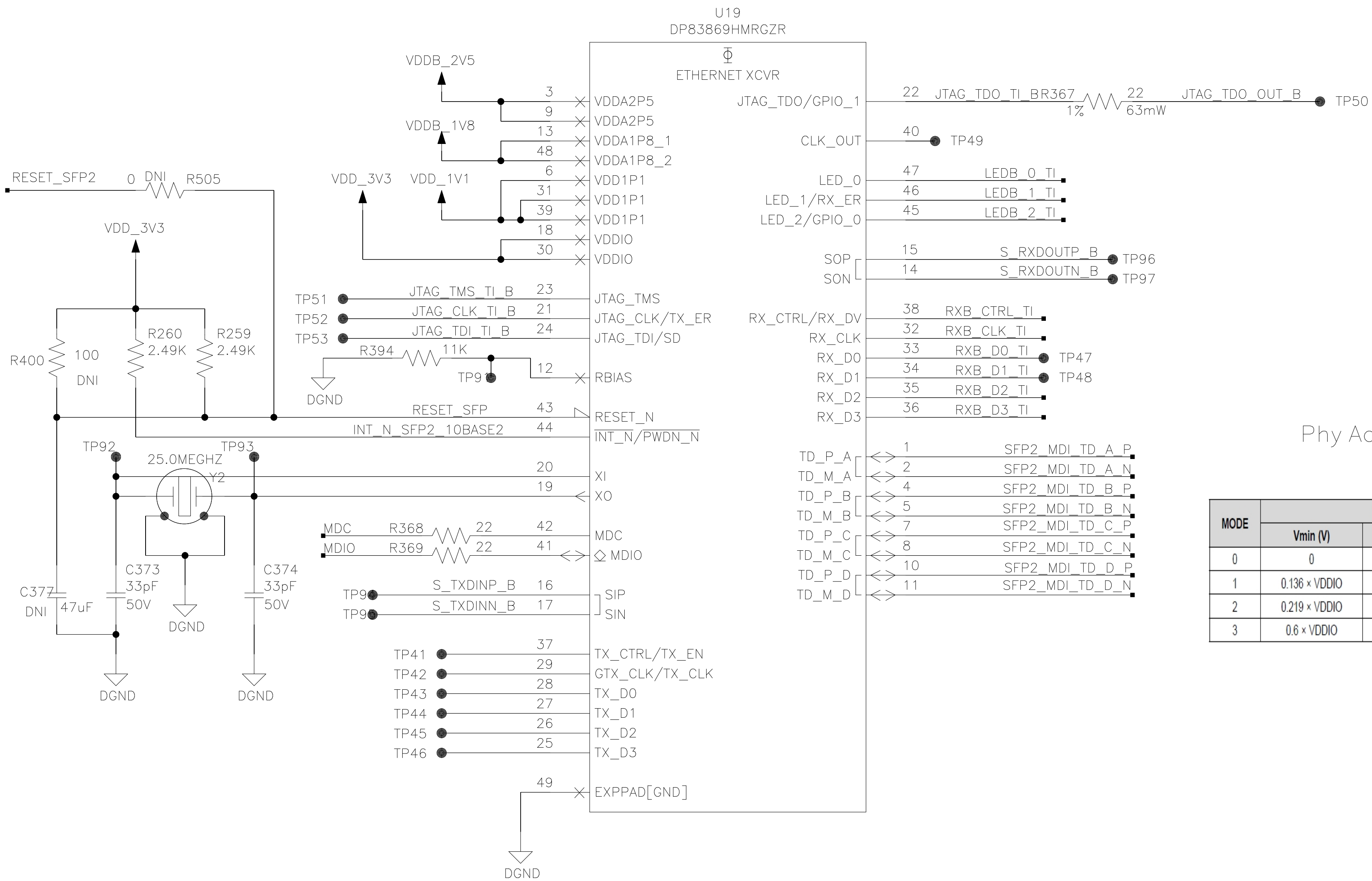


Strap Table for 100 Mbps Media Converter Mode			
PIN NAME	STRAP NAME	PIN #	PIN STRAP CONNECTION
JTAG_TDO / GPIO_1	OPMODE_0	22	2.49K Pull-up to VDDIO
RX_D3	OPMODE_1	36	OPEN
RX_D2	OPMODE_2	35	2.49K Pull-up to VDDIO

PIN NAME	STRAP NAME	PIN #	FUNCTION
LED_1	ANEGSEL_0	46	ANEGSEL_0
LED_2	ANEGSEL_1	45	ANEGSEL_1
RX_CTRL	MIRROR_EN	38	MIRROR_EN
RX_CLK	LINK_LOSS	32	LINK_LOSS



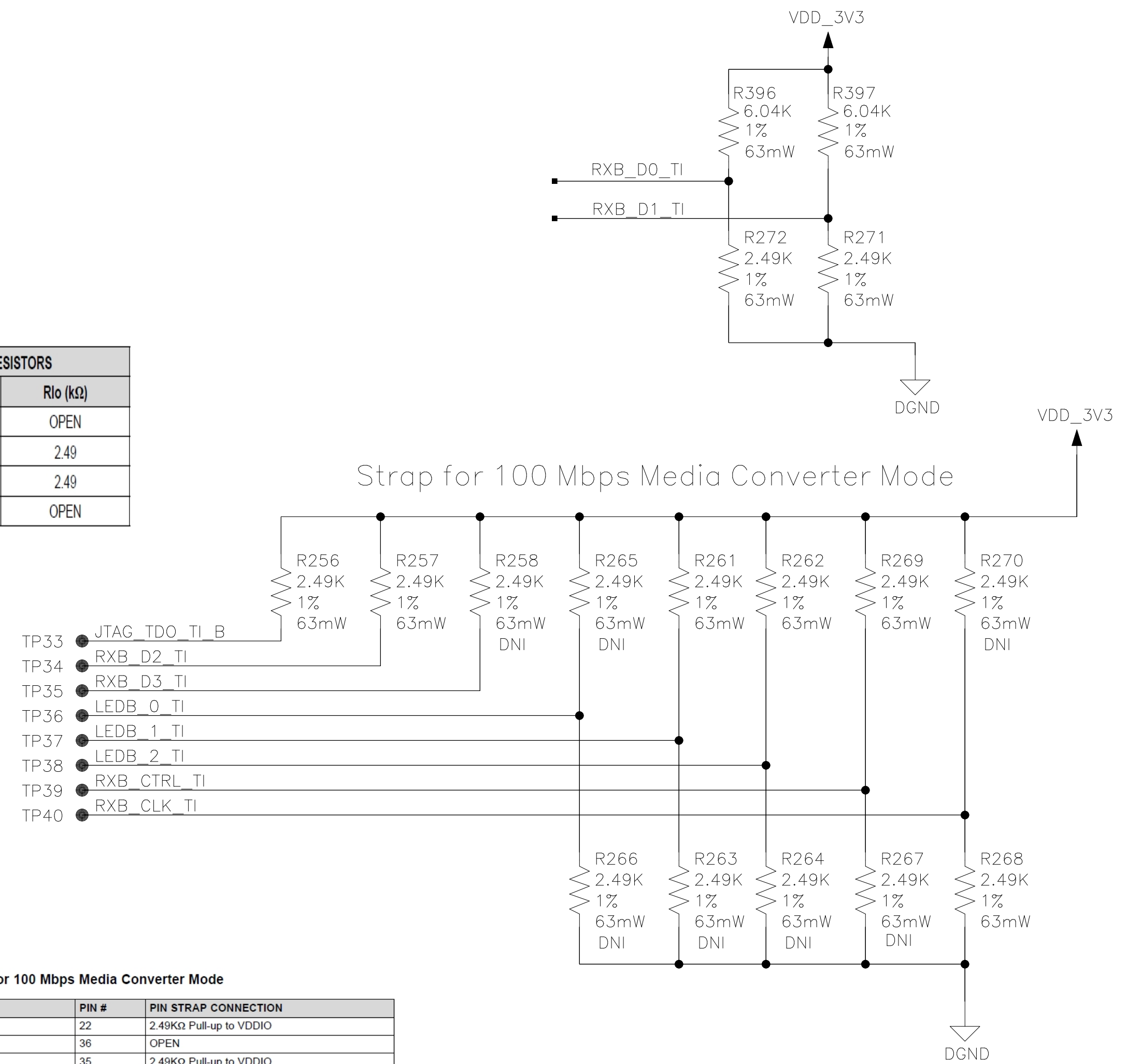
CAT 5 to FIBER Media Conversion – B



Phy Add – 0x1010 (MODE 2)

Table 9. 4-Level Strap Resistor Rat

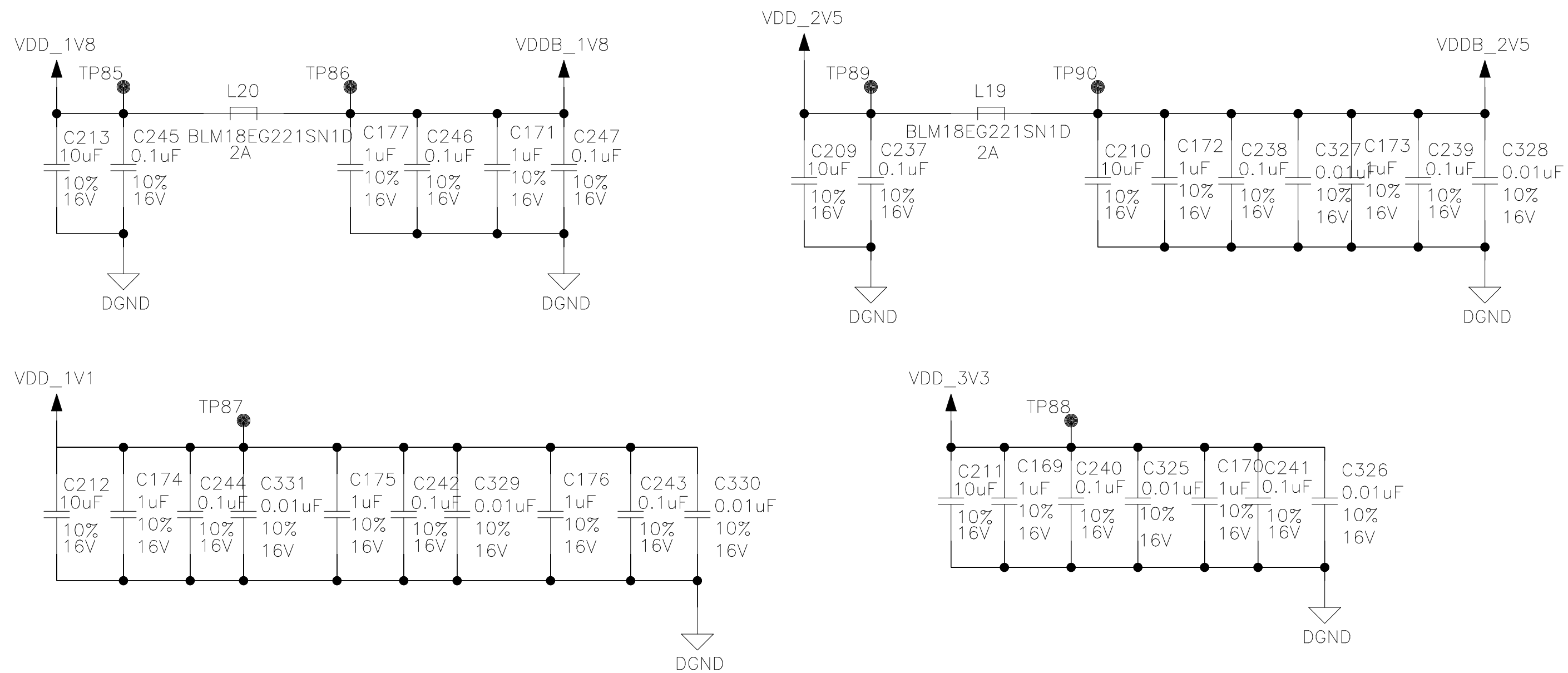
MODE	TARGET VOLTAGE			IDEAL RESISTORS	
	Vmin (V)	Vtyp (V)	Vmax (V)	Rhi (kΩ)	Rlo (kΩ)
0	0	0	0.093 × VDDIO	OPEN	OPEN
1	0.136 × VDDIO	0.165 × VDDIO	0.184 × VDDIO	10	2.49
2	0.219 × VDDIO	0.255 × VDDIO	0.280 × VDDIO	5.76	2.49
3	0.6 × VDDIO	0.783 × VDDIO	0.888 × VDDIO	2.49	OPEN



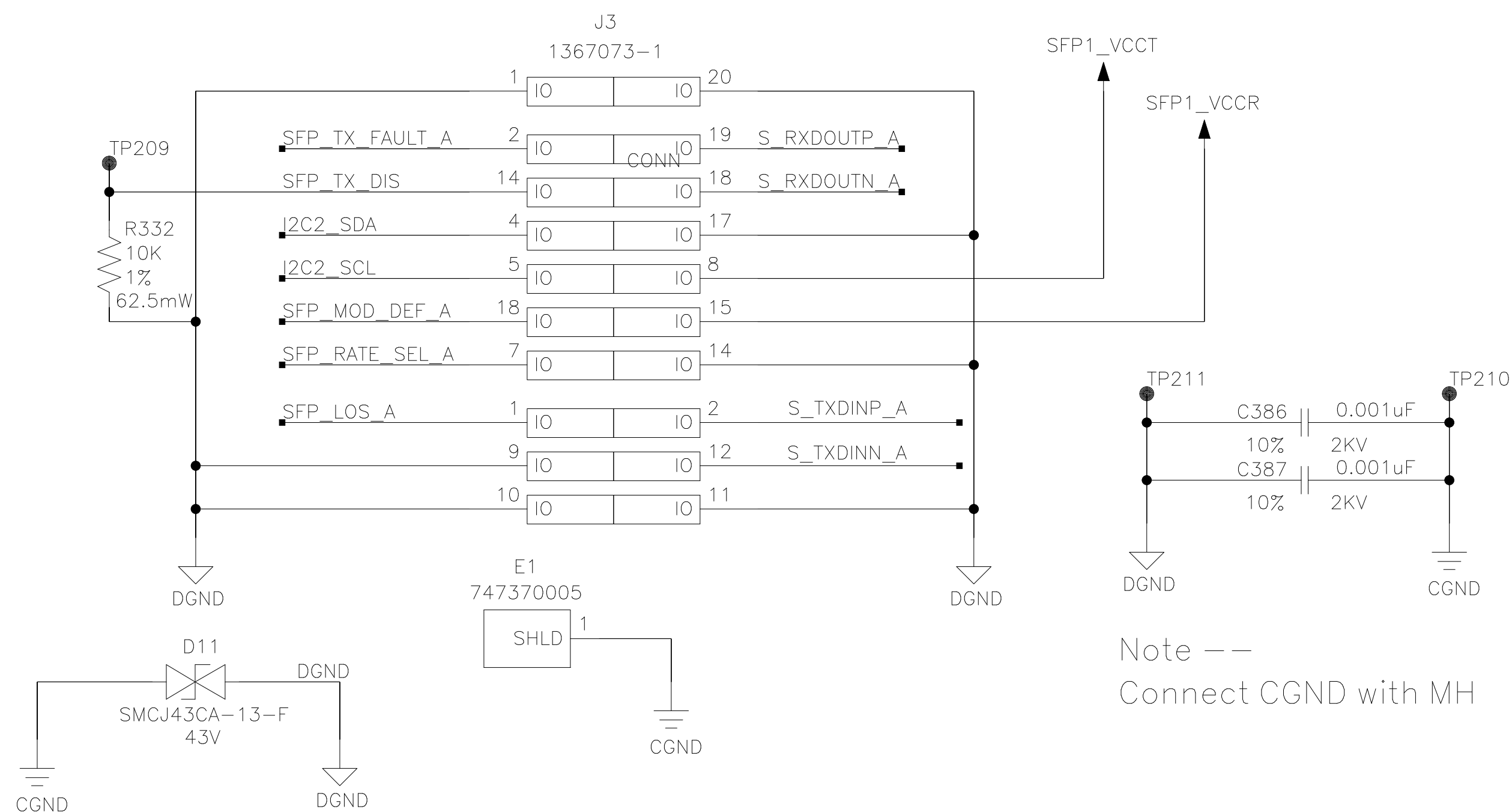
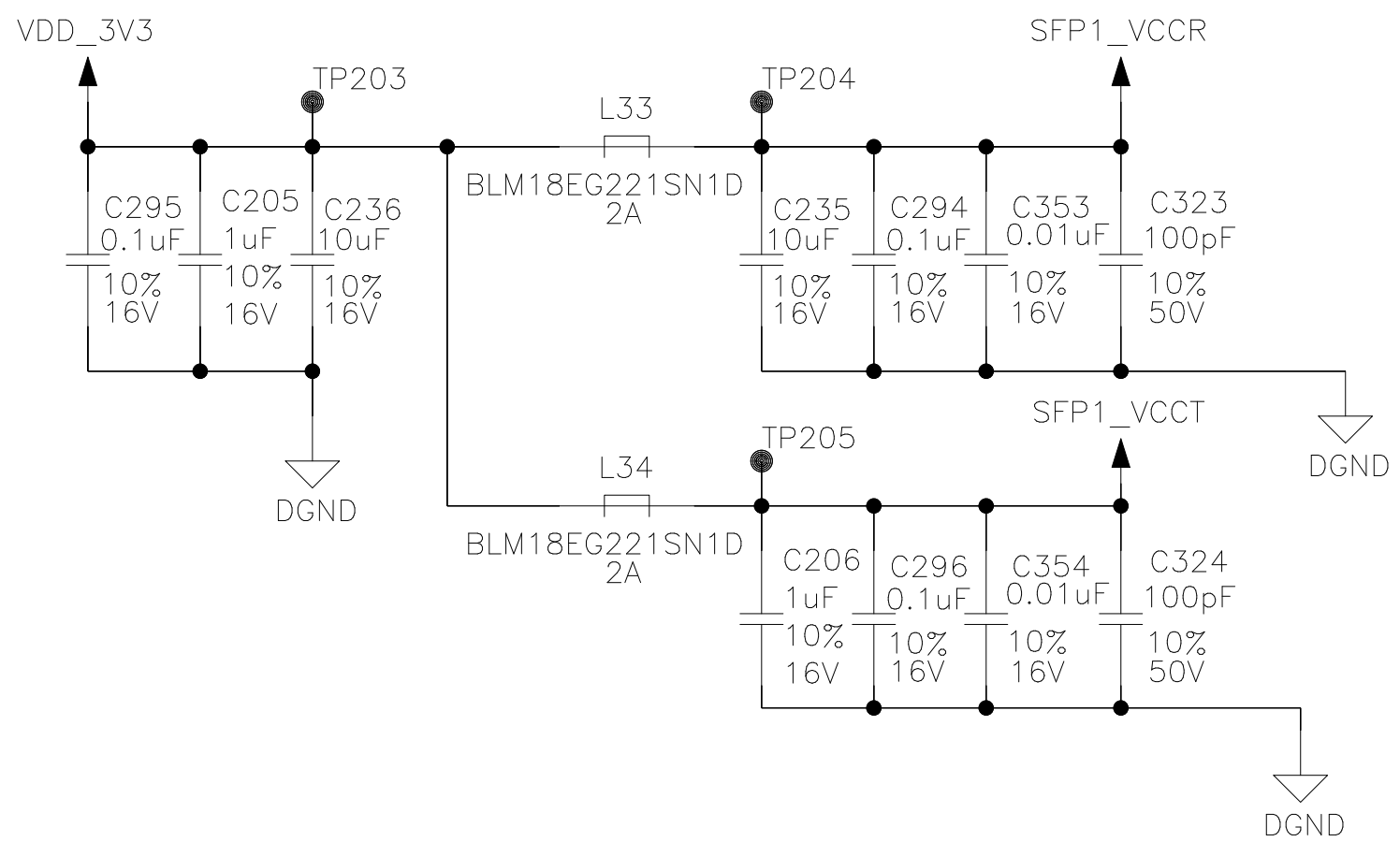
Strap Table for 100 Mbps Media Converter Module

PIN NAME	STRAP NAME	PIN #	PIN STRAP CONNECTION
JTAG_TDO / GPIO_1	OPMODE_0	22	2.49K Ω Pull-up to VDDIO
RX_D3	OPMODE_1	36	OPEN
RX_D2	OPMODE_2	35	2.49K Ω Pull-up to VDDIO

PIN NAME	STRAP NAME	PIN #	FUNCTION		
			ANEGSEL_0	ANEGSEL_1	
LED_1	ANEGSEL_0	46	1	1	Copper Auto Negotiation (100 Advertised), Auto MDIX
LED_2	ANEGSEL_1	45			
			MIRROR_EN		
RX_CTRL	MIRROR_EN	38	0		Copper Mirror Disable
			1		Copper Mirror Enable
			LINK_LOSS		
RX_CLK	LINK_LOSS	32	0		Link Loss Pass Thru Enabled
			1		Link Loss Pass Thru Disabled

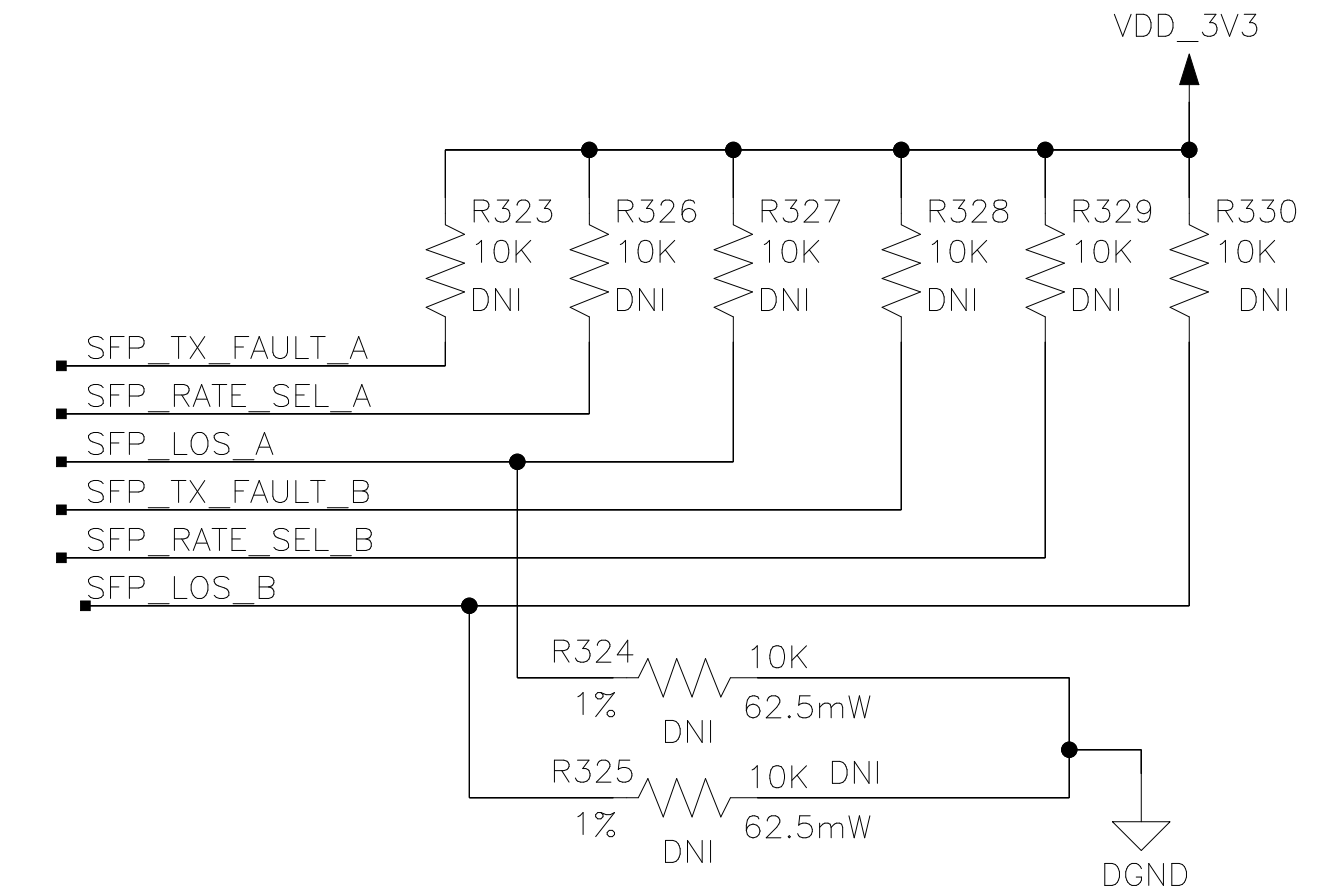
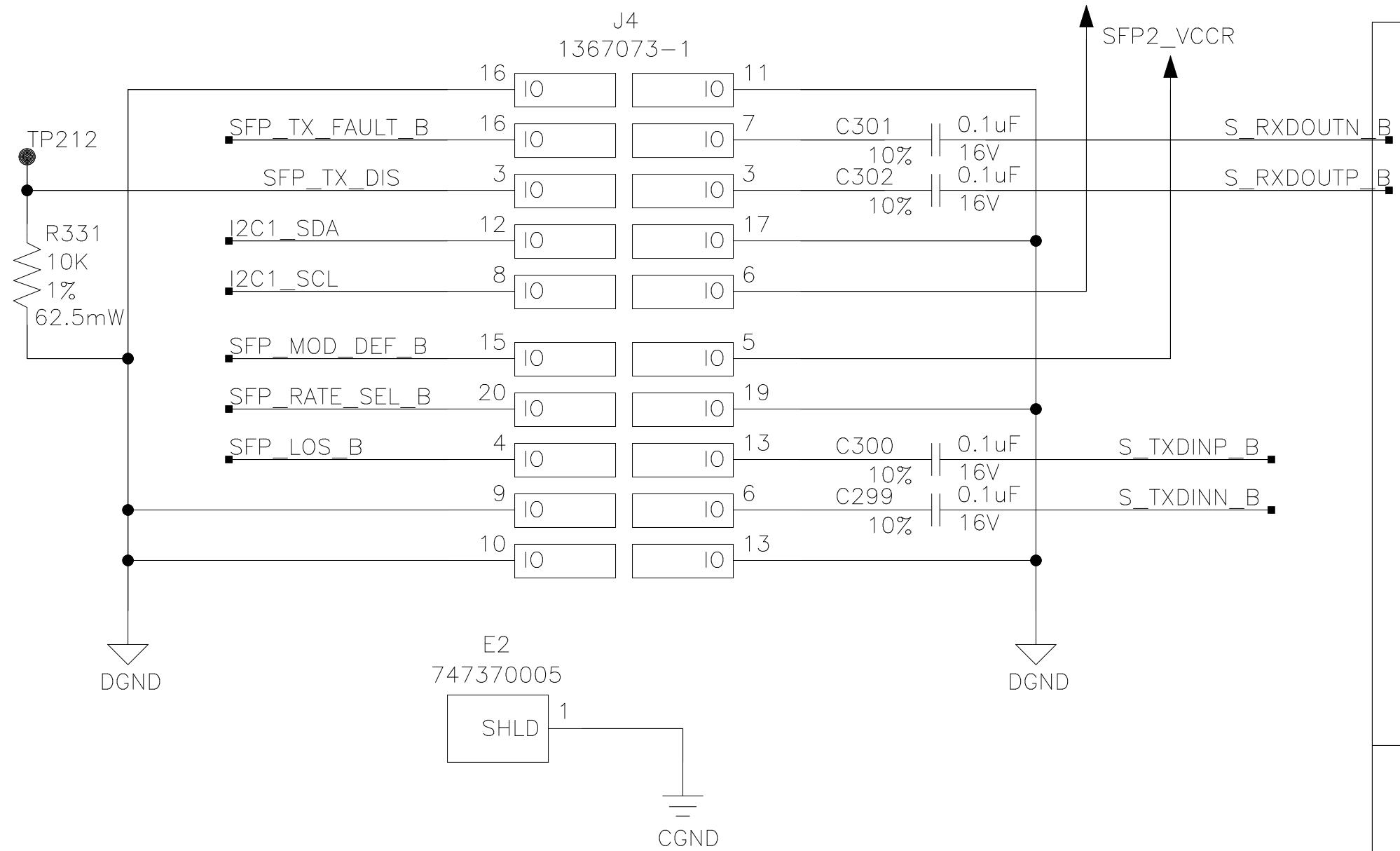
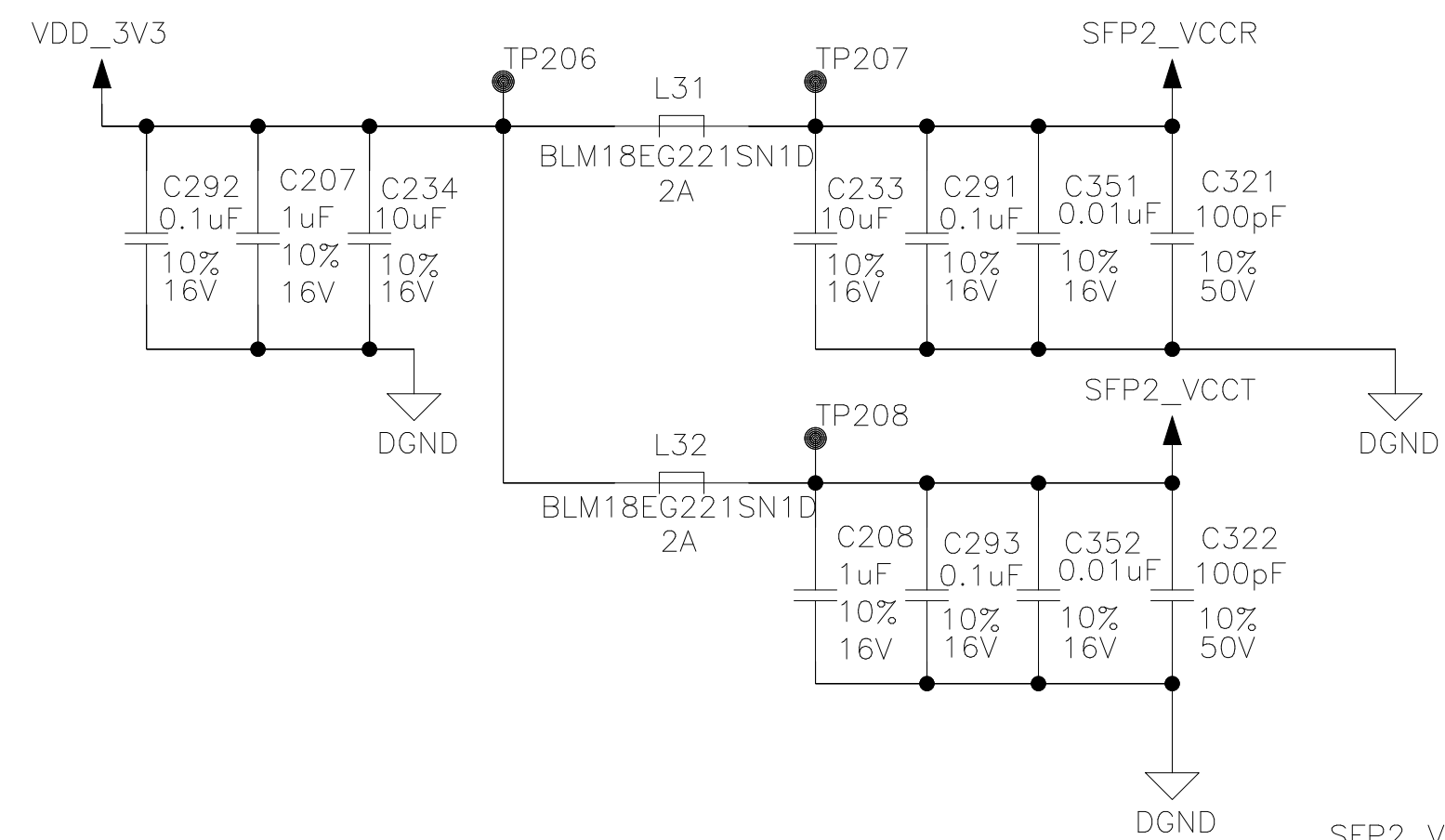


SFP-A

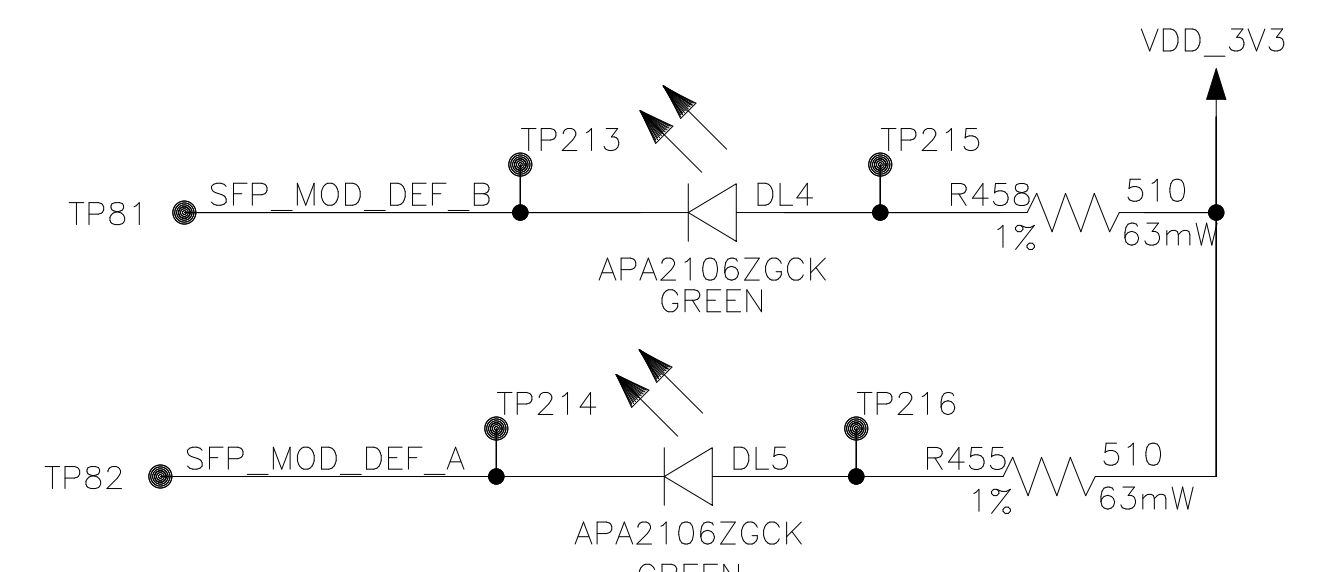


Note --
Connect CGND with MH

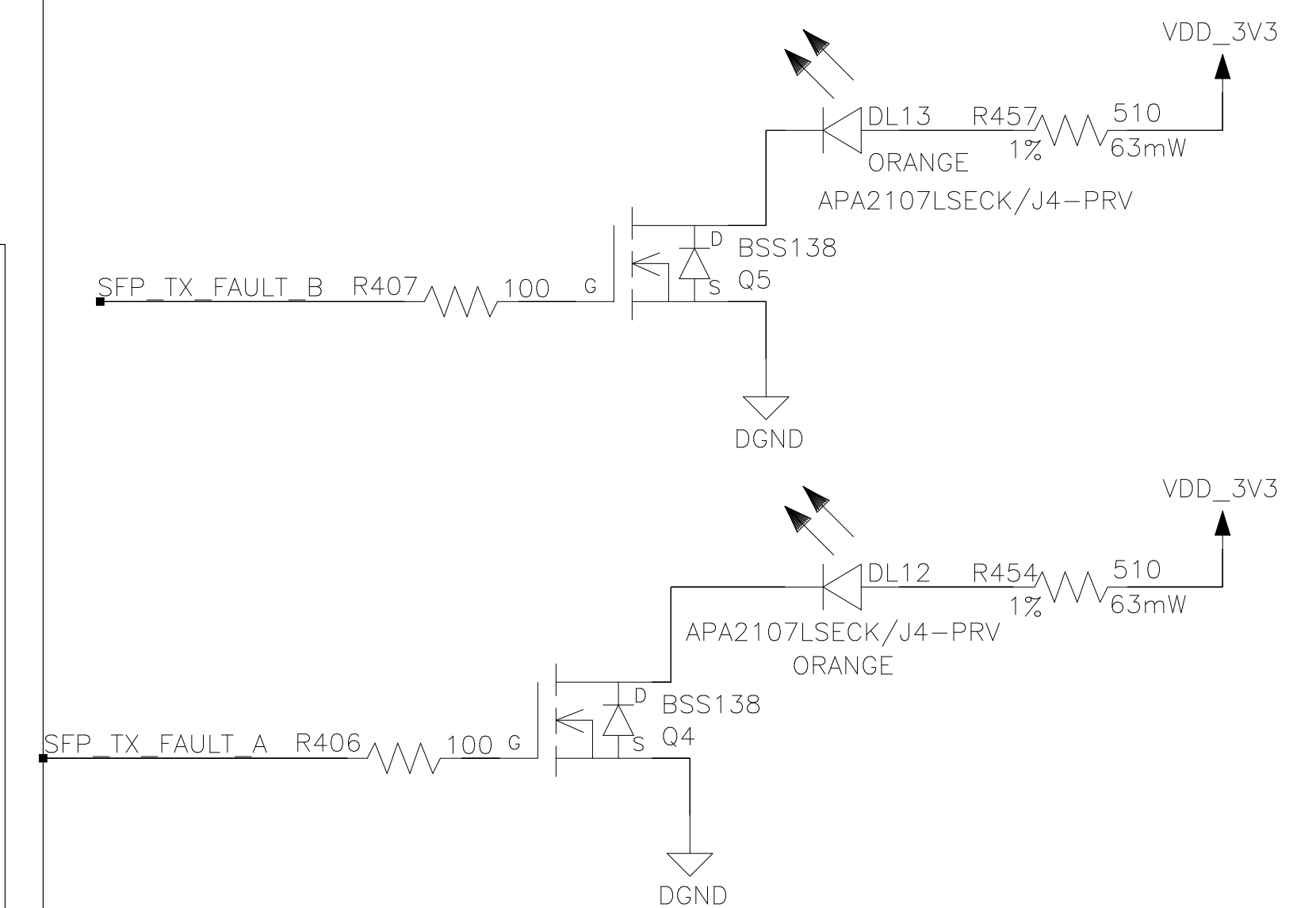
SFP-B



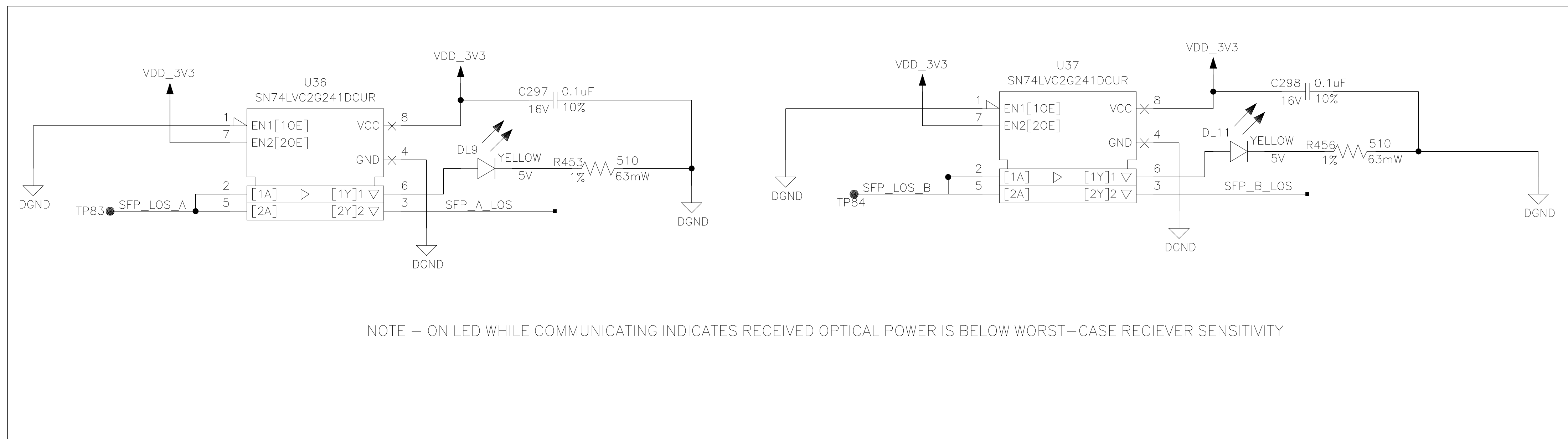
LEDs FOR SFP Connector



NOTE – ON LED INDICATES MODULE IS PRESENT



NOTE – ON LED INDICATES FAULT IN OPERATION



NOTE – ON LED WHILE COMMUNICATING INDICATES RECEIVED OPTICAL POWER IS BELOW WORST-CASE RECIEVER SENSIVITY