
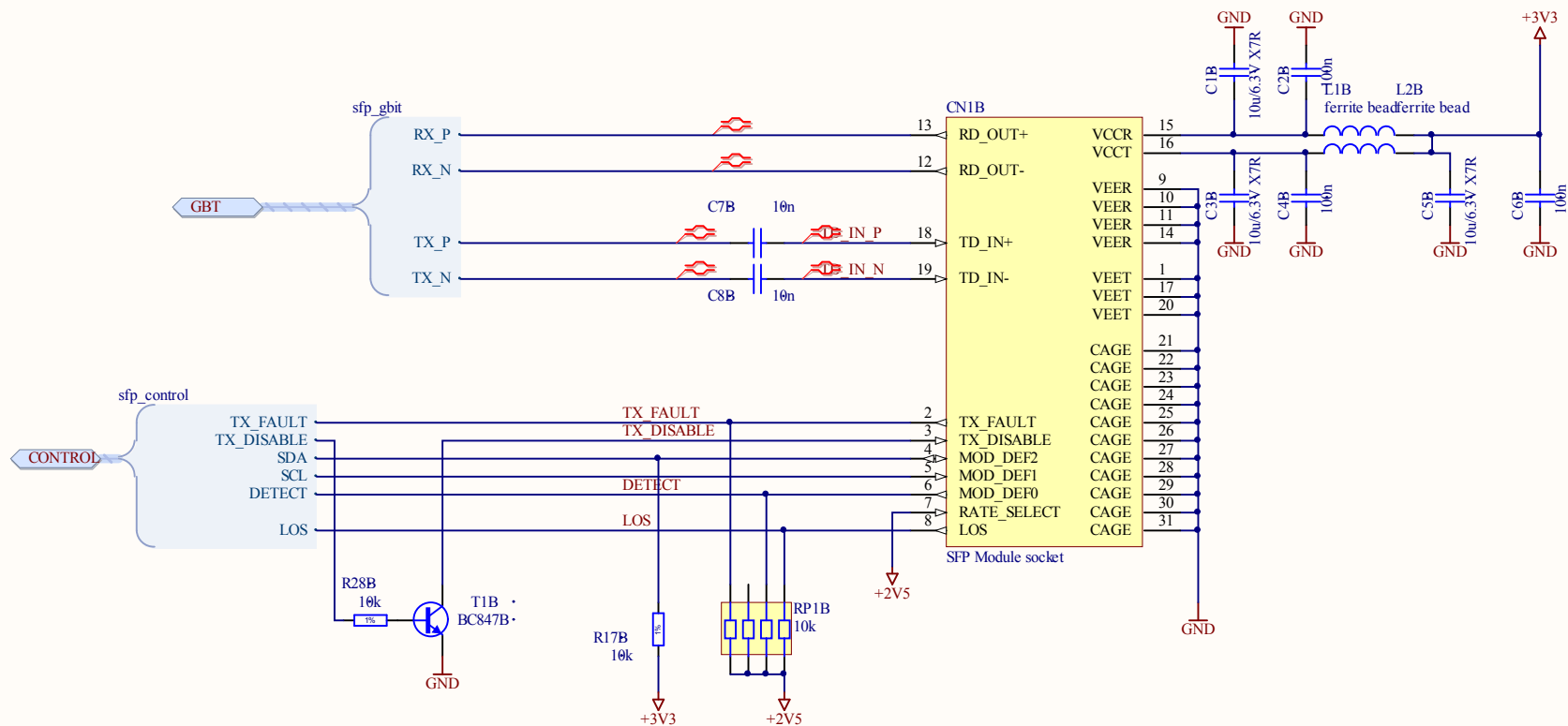



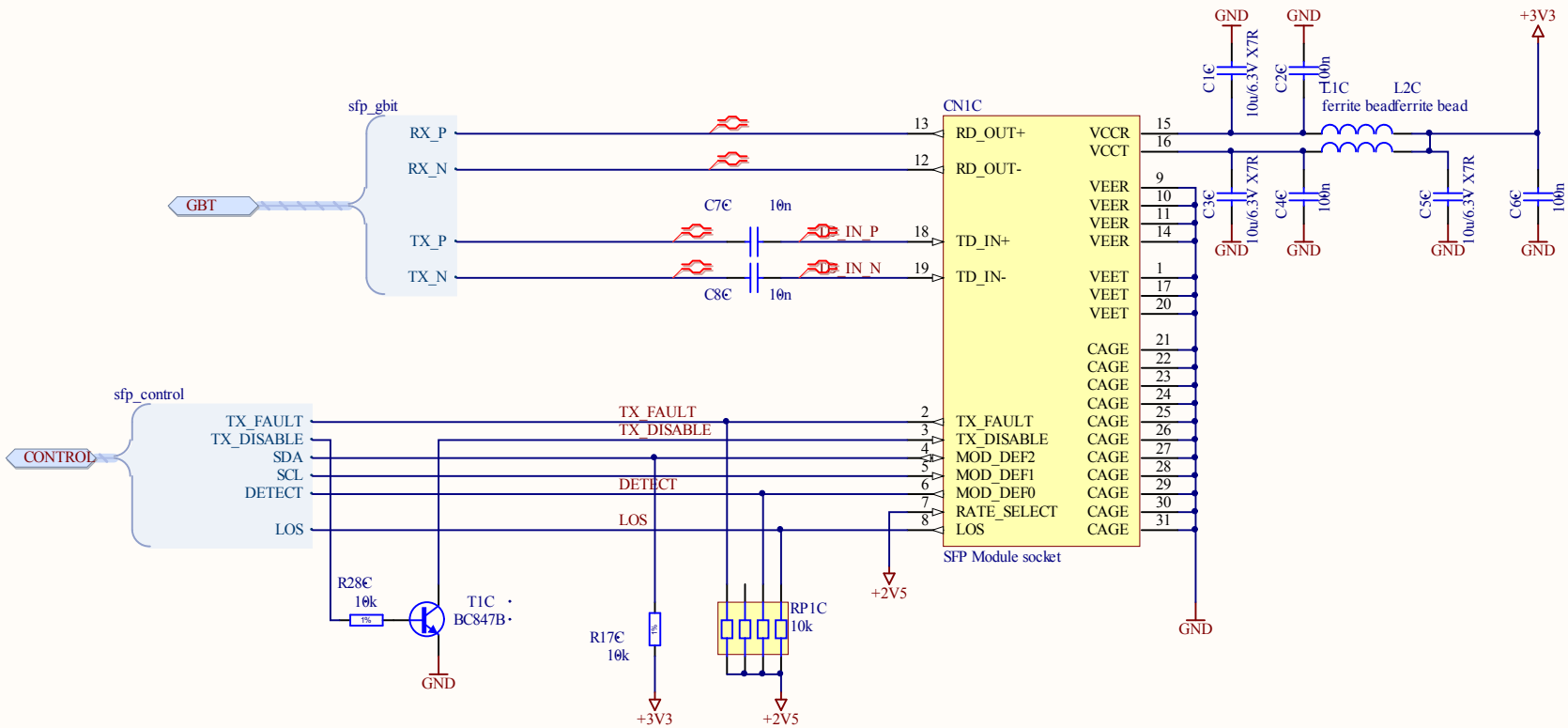
SFP Standard says:
 TX_FAULT: external pullup to +2.5V
 TX_DISABLE: internal pullup to VCCT (+3.3V)
 SDA: external pullup to VCCT (+3.3V)
 SCL: external pullup to VCCT (+3.3V) - not needed in our case
 because SCL is permennantly driven
 DETECT: external pullup to + 2.5V
 LOS: external pullup to + 2.5V

Project/Equipment		Simple mini-backplane for V3 SCB	
Document		SFP module wrapper	
	Designer	Designer	CreateDate
	Drawn by	TW	CheckedDate
	Checkby	*	9/22/2011
	Last Mod.	ModifiedBy	
	File	sfp_wrapper.SchDoc	
Print Date		9/22/2011 11:15:31 AM	Sheet * of *
EDA_Number		A4	Rev *



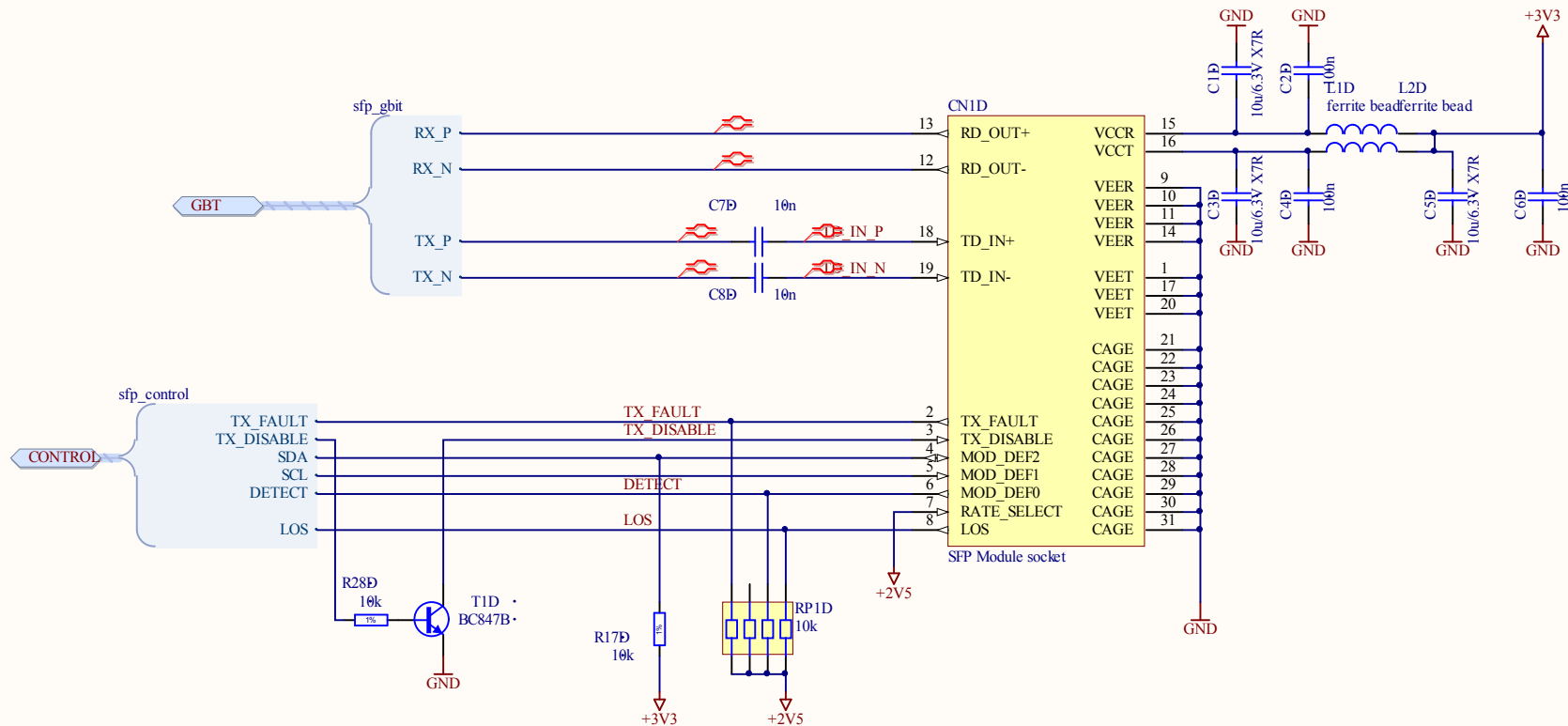
SFP Standard says:
 TX_FAULT: external pullup to +2.5V
 TX_DISABLE: internal pullup to VCCT (+3.3V)
 SDA: external pullup to VCCT (+3.3V)
 SCL: external pullup to VCCT (+3.3V) - not needed in our case
 because SCL is permennantly driven
 DETECT: external pullup to + 2.5V
 LOS: external pullup to + 2.5V

Project/Equipment		Simple mini-backplane for V3 SCB	
Document		SFP module wrapper	
	Designer	Designer	CreateDate
	Drawn by	TW	9/22/2011
	Checkby	*	CheckedDate
	Last Mod.	ModifiedBy	9/22/2011
	File	sfp_wrapper.SchDoc	
Print Date		9/22/2011 11:15:32 AM	Sheet * of *
EDA_Number		A4	Rev *




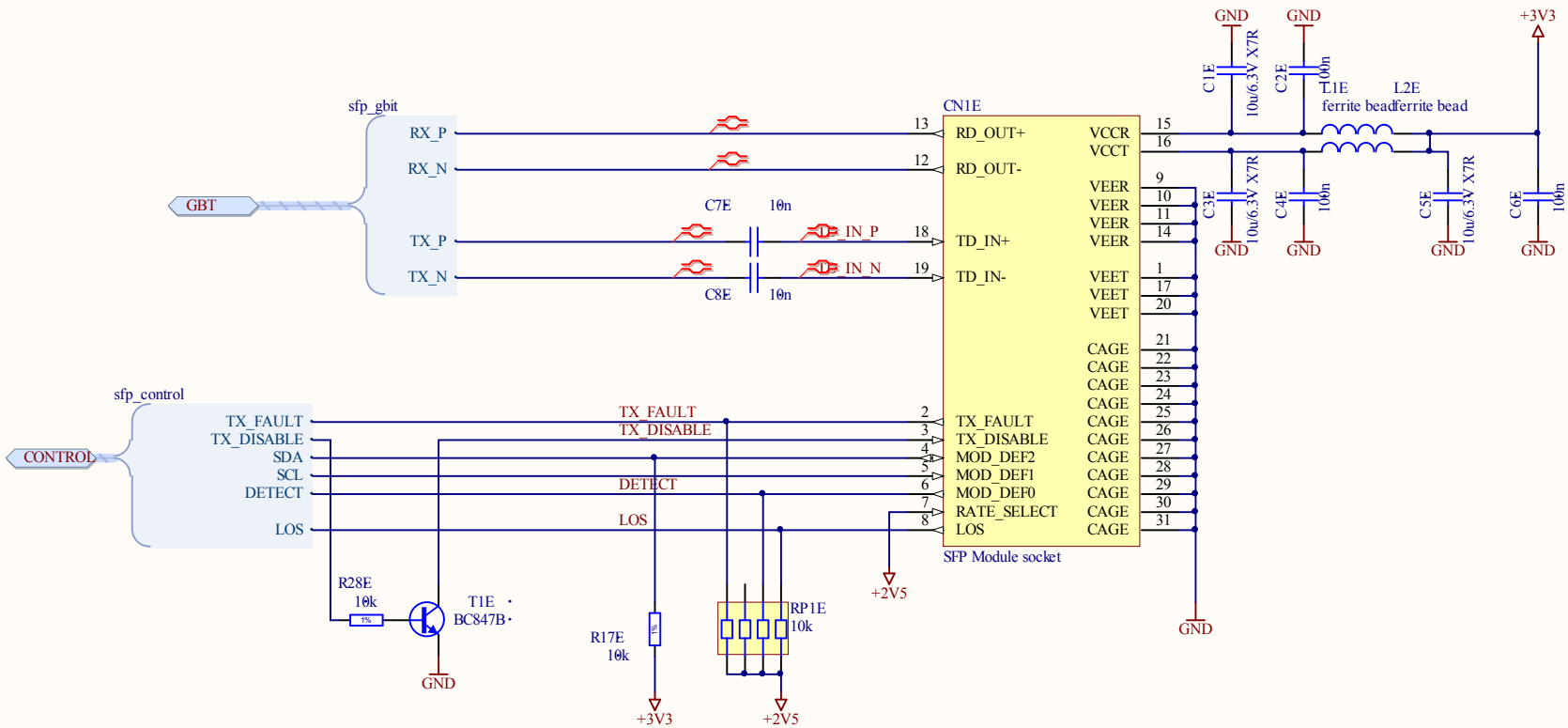
SFP Standard says:
 TX_FAULT: external pullup to +2.5V
 TX_DISABLE: internal pullup to VCCT (+3.3V)
 SDA: external pullup to VCCT (+3.3V)
 SCL: external pullup to VCCT (+3.3V) - not needed in our case
 because SCL is permennantly driven
 DETECT: external pullup to + 2.5V
 LOS: external pullup to + 2.5V

Project/Equipment		Simple mini-backplane for V3 SCB	
Document		SFP module wrapper	
	Designer	Designer	CreateDate
	Drawn by	TW	9/22/2011
	Checkby	*	CheckedDate
	Last Mod.	ModifiedBy	9/22/2011
	File	sfp_wrapper.SchDoc	
Print Date		9/22/2011 11:15:32 AM	Sheet * of *
EDA_Number		A4	Rev *




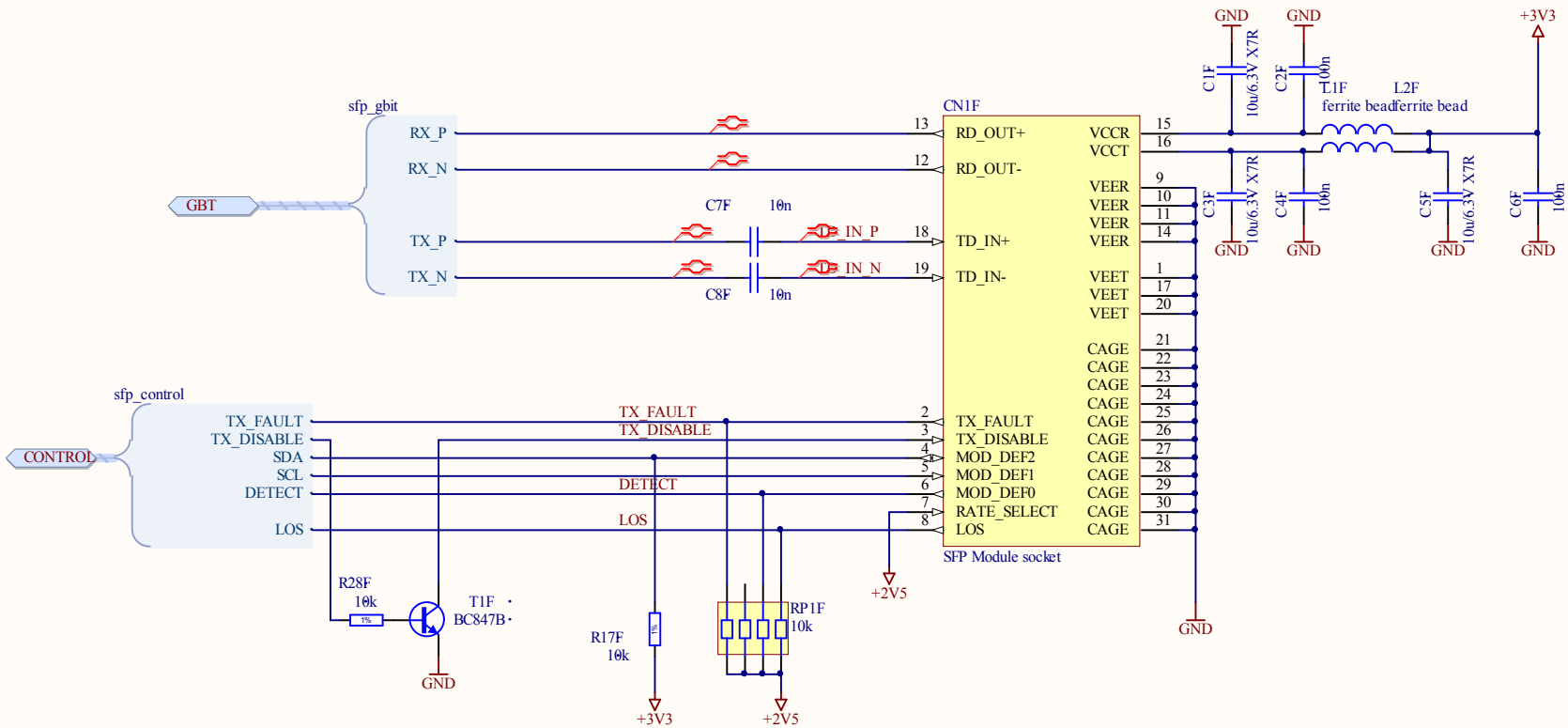
SFP Standard says:
 TX_FAULT: external pullup to +2.5V
 TX_DISABLE: internal pullup to VCCT (+3.3V)
 SDA: external pullup to VCCT (+3.3V)
 SCL: external pullup to VCCT (+3.3V) - not needed in our case
 because SCL is permennantly driven
 DETECT: external pullup to + 2.5V
 LOS: external pullup to + 2.5V

Project/Equipment		Simple mini-backplane for V3 SCB	
Document		SFP module wrapper	
	Designer	Designer	CreateDate
	Drawn by	TW	9/22/2011
	Checkby	*	CheckedDate
	Last Mod.	ModifiedBy	9/22/2011
	File	sfp_wrapper.SchDoc	
Print Date		9/22/2011 11:15:32 AM	Sheet * of *
EDA_Number		A4	Rev *




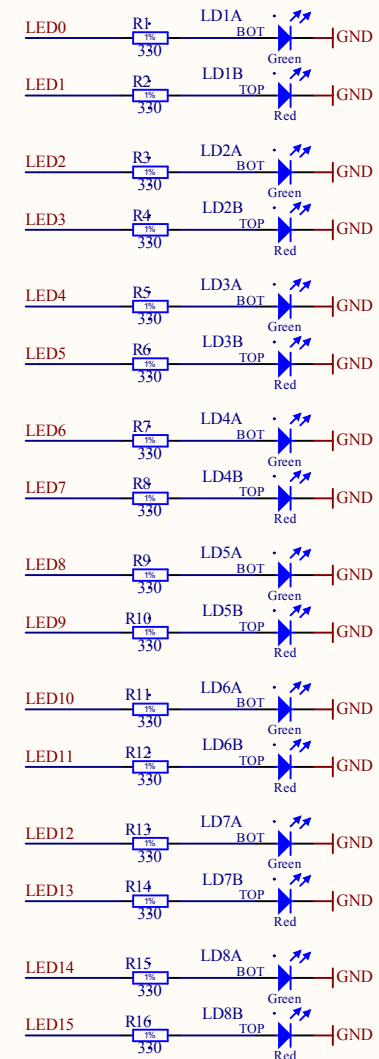
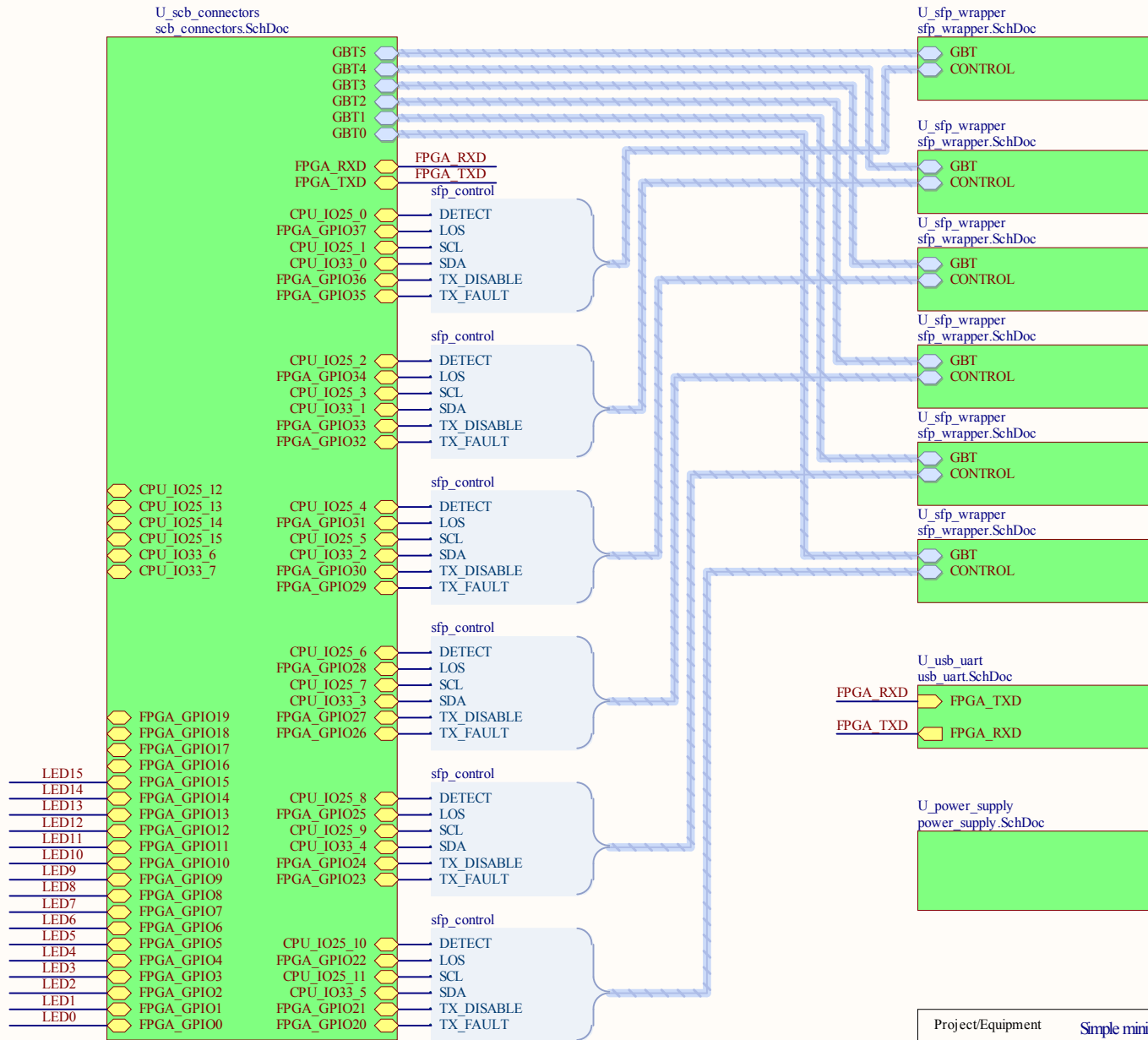
SFP Standard says:
 TX_FAULT: external pullup to +2.5V
 TX_DISABLE: internal pullup to VCCT (+3.3V)
 SDA: external pullup to VCCT (+3.3V)
 SCL: external pullup to VCCT (+3.3V) - not needed in our case
 because SCL is permennantly driven
 DETECT: external pullup to + 2.5V
 LOS: external pullup to + 2.5V


Project/Equipment		Simple mini-backplane for V3 SCB	
Document		SFP module wrapper	
	Designer	Designer	CreateDate
	Drawn by	TW	9/22/2011
	Checkby	*	CheckedDate
	Last Mod.	ModifiedBy	9/22/2011
	File	sfp_wrapper.SchDoc	
Print Date		9/22/2011 11:15:32 AM	Sheet * of *
EDA_Number		A4	Rev *



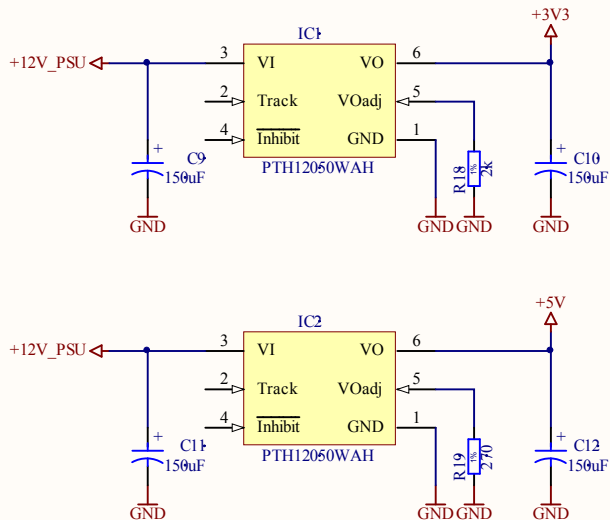
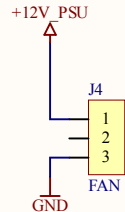
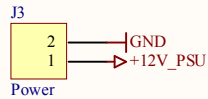
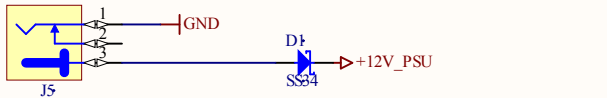
SFP Standard says:
 TX_FAULT: external pullup to +2.5V
 TX_DISABLE: internal pullup to VCCT (+3.3V)
 SDA: external pullup to VCCT (+3.3V)
 SCL: external pullup to VCCT (+3.3V) - not needed in our case
 because SCL is permennantly driven
 DETECT: external pullup to + 2.5V
 LOS: external pullup to + 2.5V

Project/Equipment		Simple mini-backplane for V3 SCB	
Document		SFP module wrapper	
	Designer	Designer	CreateDate
	Drawn by	TW	9/22/2011
	Checkby	*	CheckedDate
	Last Mod.	ModifiedBy	9/22/2011
	File	sfp_wrapper.SchDoc	
Print Date		9/22/2011 11:15:32 AM	Sheet * of *
EDA_Number		A4	Rev *

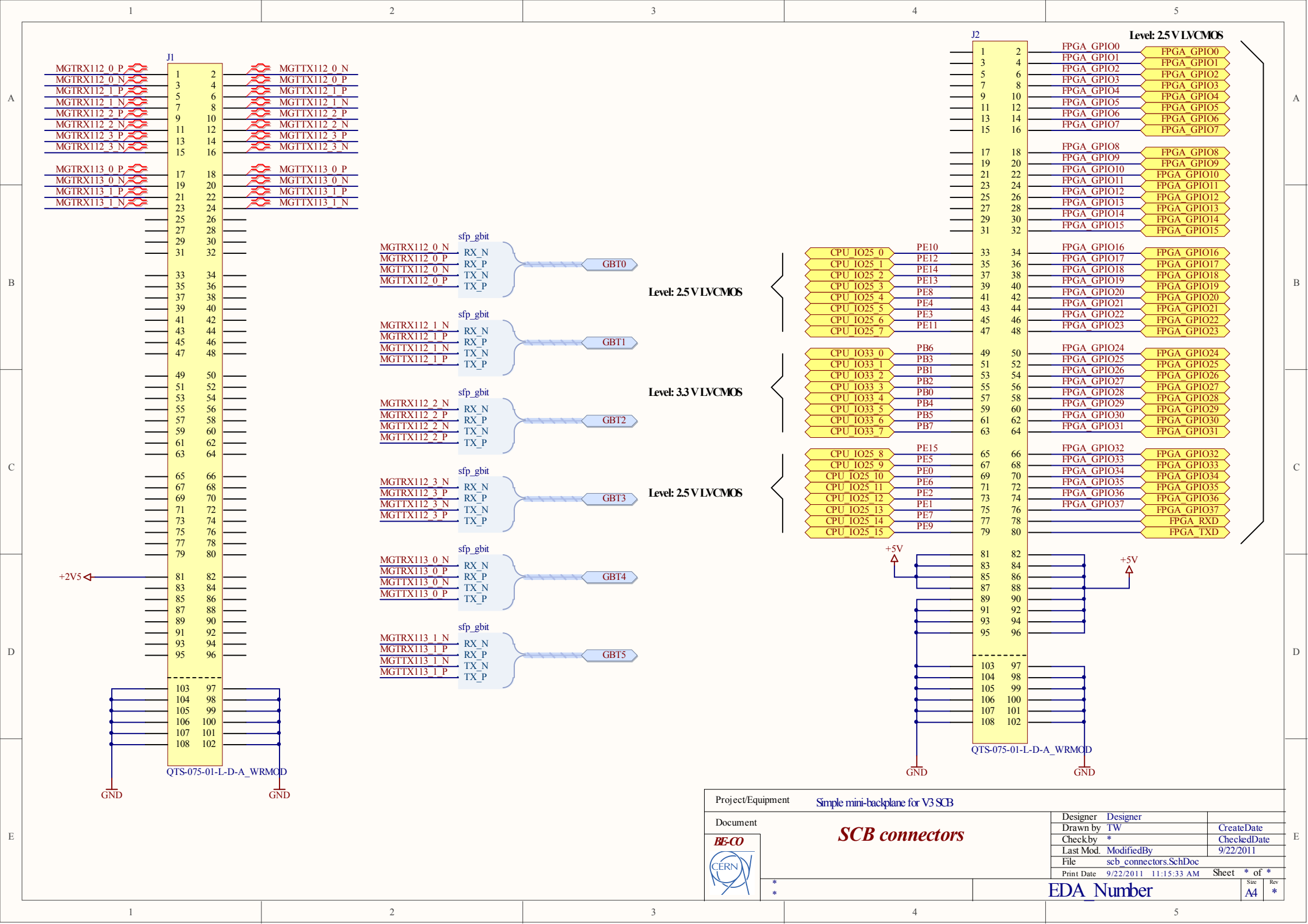


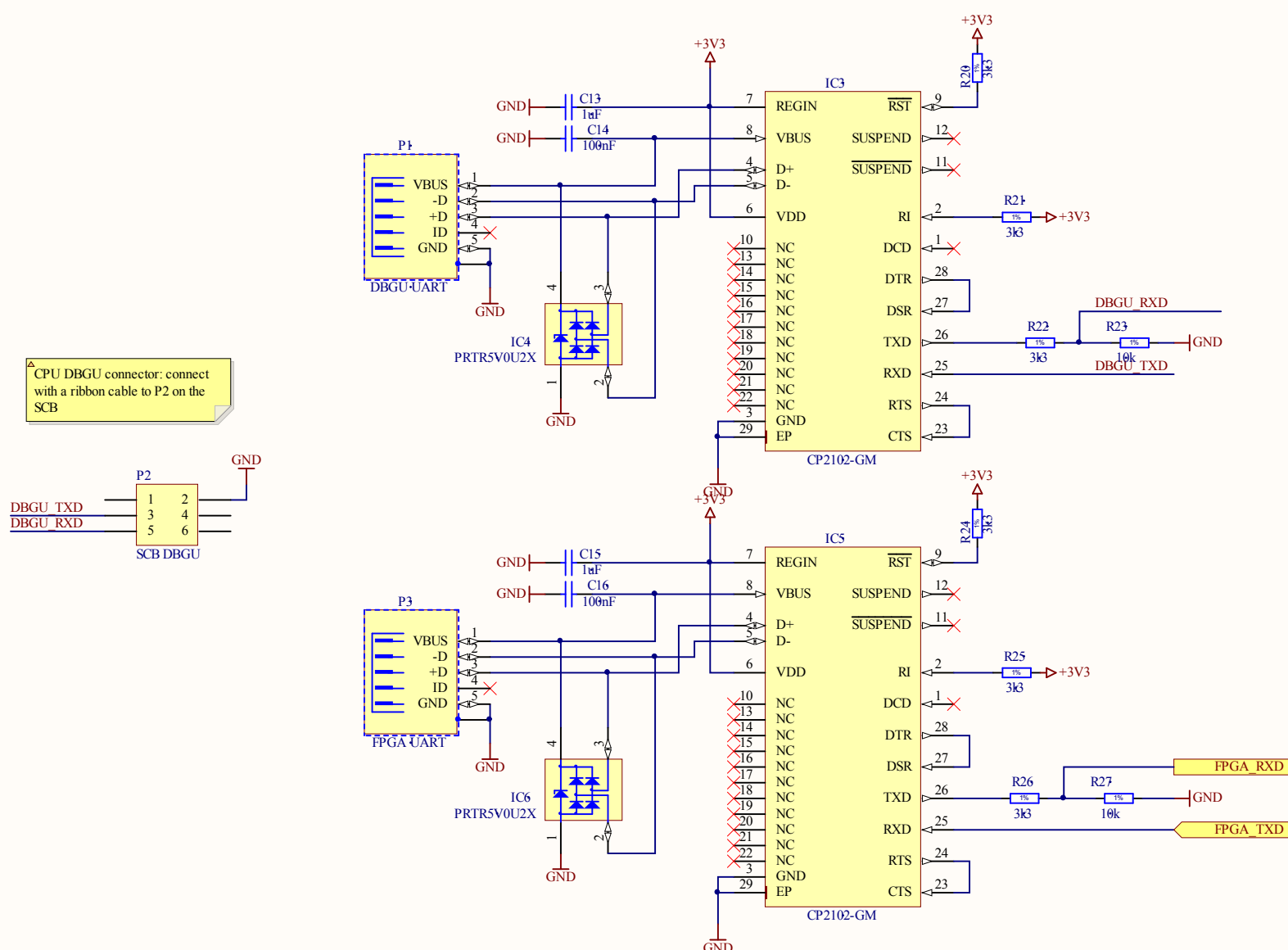
Project/Equipment		Simple mini-backplane for V3 SCB	
Document		Top level diagram	
	Designer	Designer	CreateDate
	Drawn by	TW	CheckedDate
	Checkby	*	9/22/2011
	Last Mod.	ModifiedBy	
	File	mini_backplane.SchDoc	
Print Date		9/22/2011 11:15:32 AM	Sheet * of *
EDA Number		A4	Rev *

External power supply : 11 - 13 V

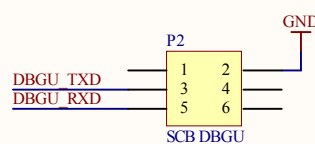


Project/Equipment			Simple mini-backplane for V3 SCB		
Document			Power Supply		
	Designer	Designer	CreateDate		
	Drawn by	TW	CheckedDate		
	Checkby	*	9/22/2011		
	Last Mod.	ModifiedBy			
	File	power_supply.SchDoc			
Print Date			9/22/2011 11:15:33 AM	Sheet	* of *
			EDA_Number		
			A4		

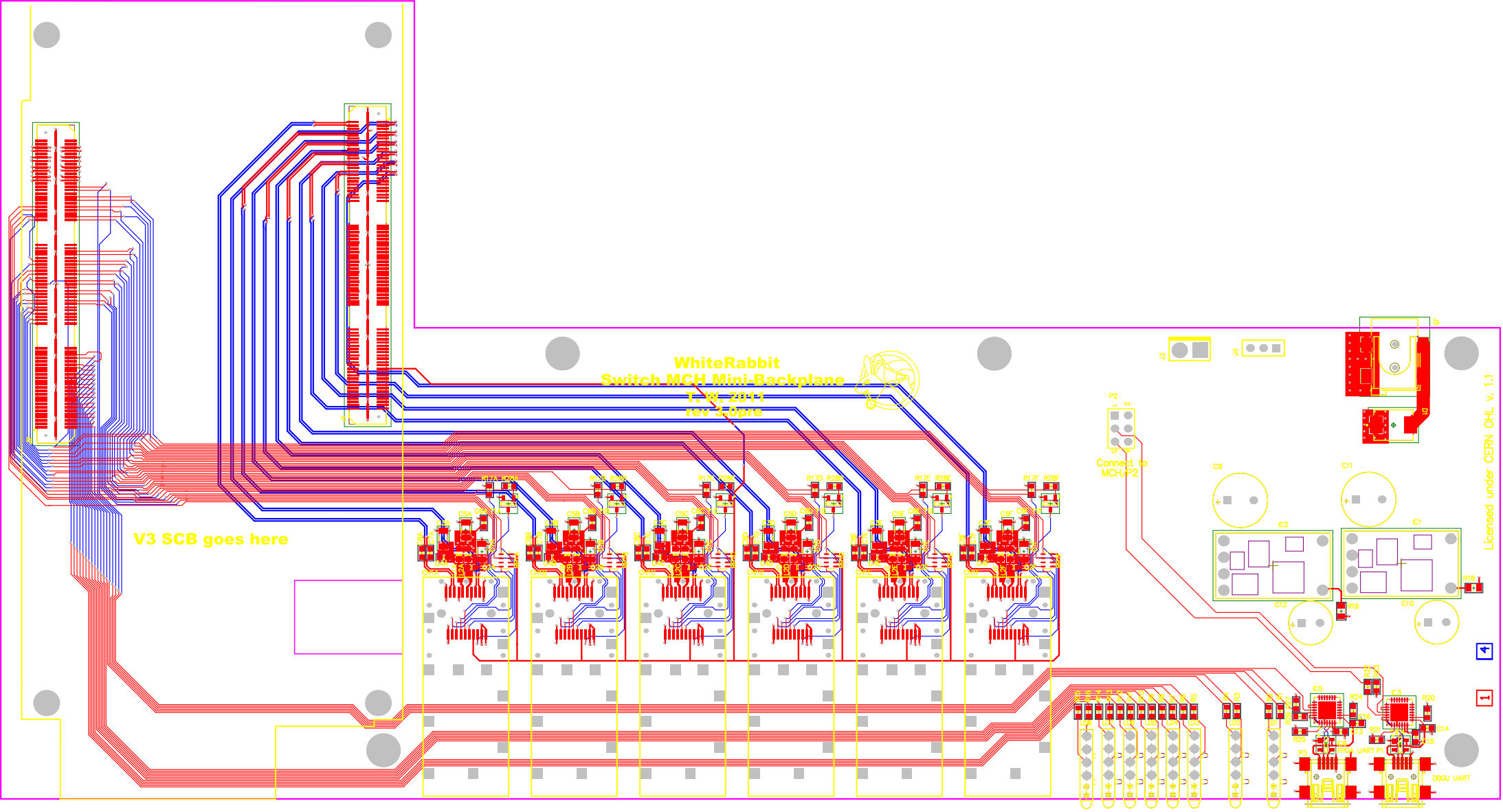




CPU DBGU connector: connect with a ribbon cable to P2 on the SCB



Project/Equipment		Simple mini-backplane for V3 SCB	
Document		USB - serial converters	
	Designer	Designer	CreateDate
	Drawn by	TW	CheckedDate
	Checkby	*	9/22/2011
	Last Mod.	ModifiedBy	
	File	usb_uart.SchDoc	
Print Date		9/22/2011 11:15:33 AM	Sheet * of *
EDA_Number		A4	Rev *



WhiteRabbit
Switch MCH Mini-Backplane
T. W. 2011
rev 3.0pre

V3 SCB goes here

Connect to
MCH/P2