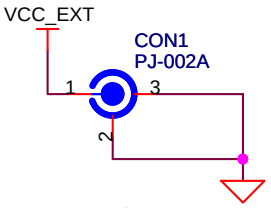
USB-UART 1-Channel Evaluation Board

Exar XR21V1410 based 1-Channel USB-UART Evaluation Board with RS-232 and RS-485 interfaces

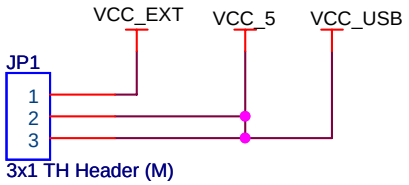
EXAR
XR21V1410
Rev 1.1

Index

Schematic	sch_top	Cover Page
Title	USB-UART 1-Channel Evaluation Board	
Size A	**Document Number** SCH-UU1CHEVB-0910-B1B	**Rev** 1C
Date: Thursday, June 25, 2009	**Sheet** 1 **of** 6	

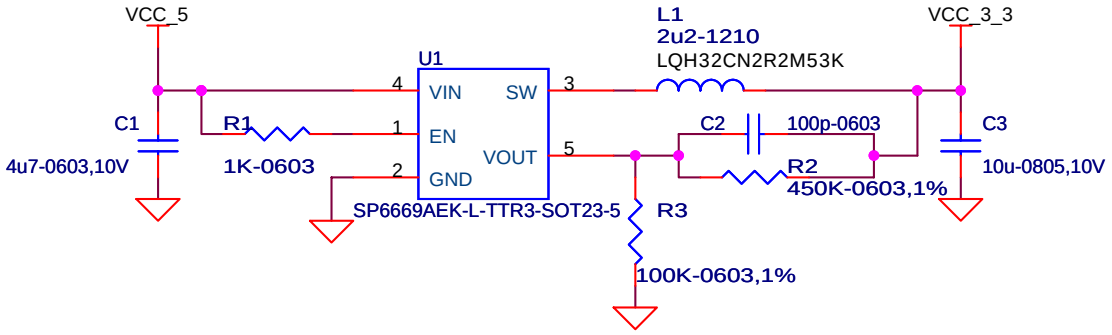


External Power Input:
4-5.5V, 500mA
2.1 mm ID, 5.5 mm OD

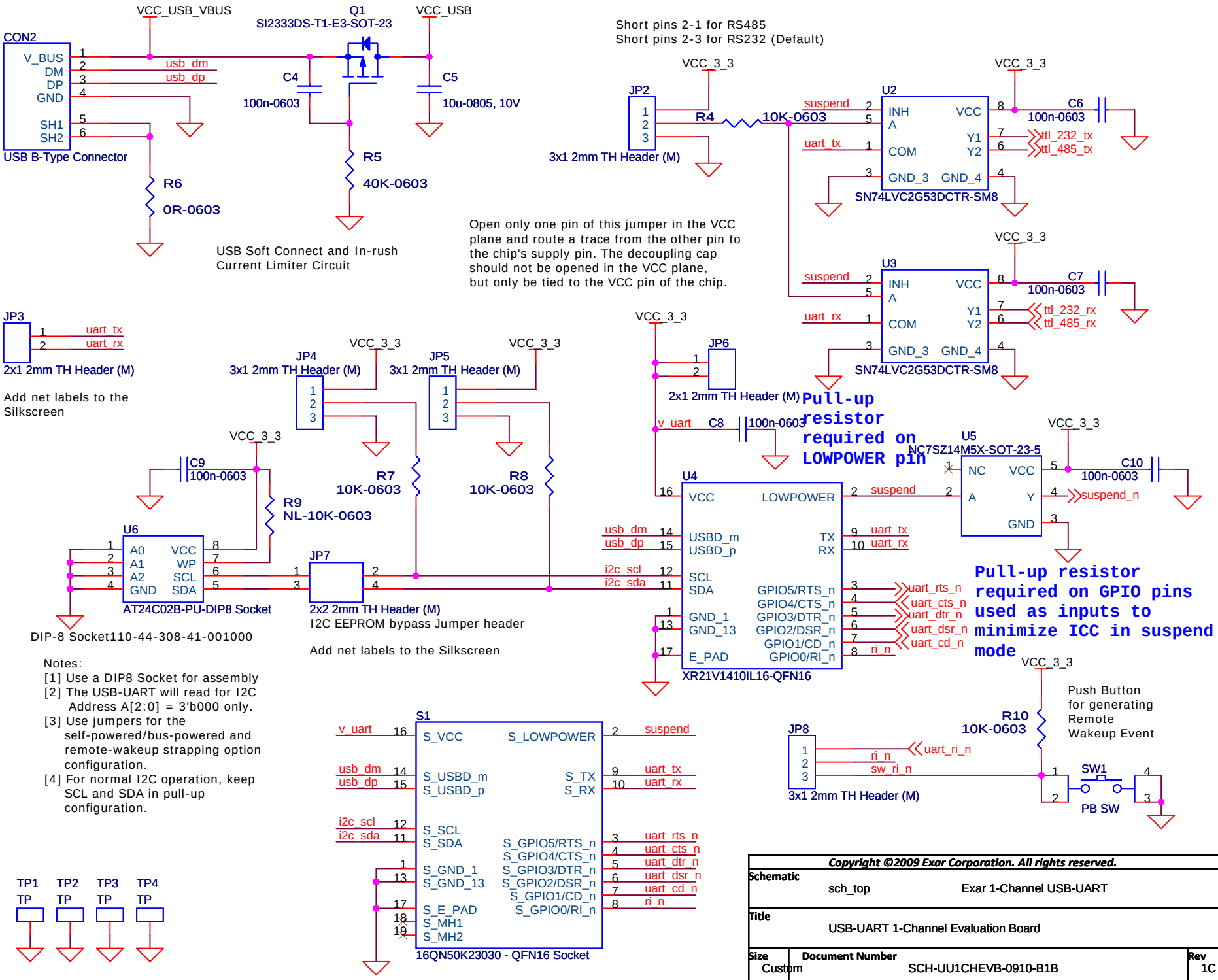


Notes:
[1] This jumper can also be used for current/power measurement of the board. Remove the jumper and connect probe instead of the jumper.
[2] The necessary strapping options must be selected for the USB-UART chip for the bus-powered or self-powered configurations.
[3] None of these pins should be opened in the power plane to support the isolation of the traces.

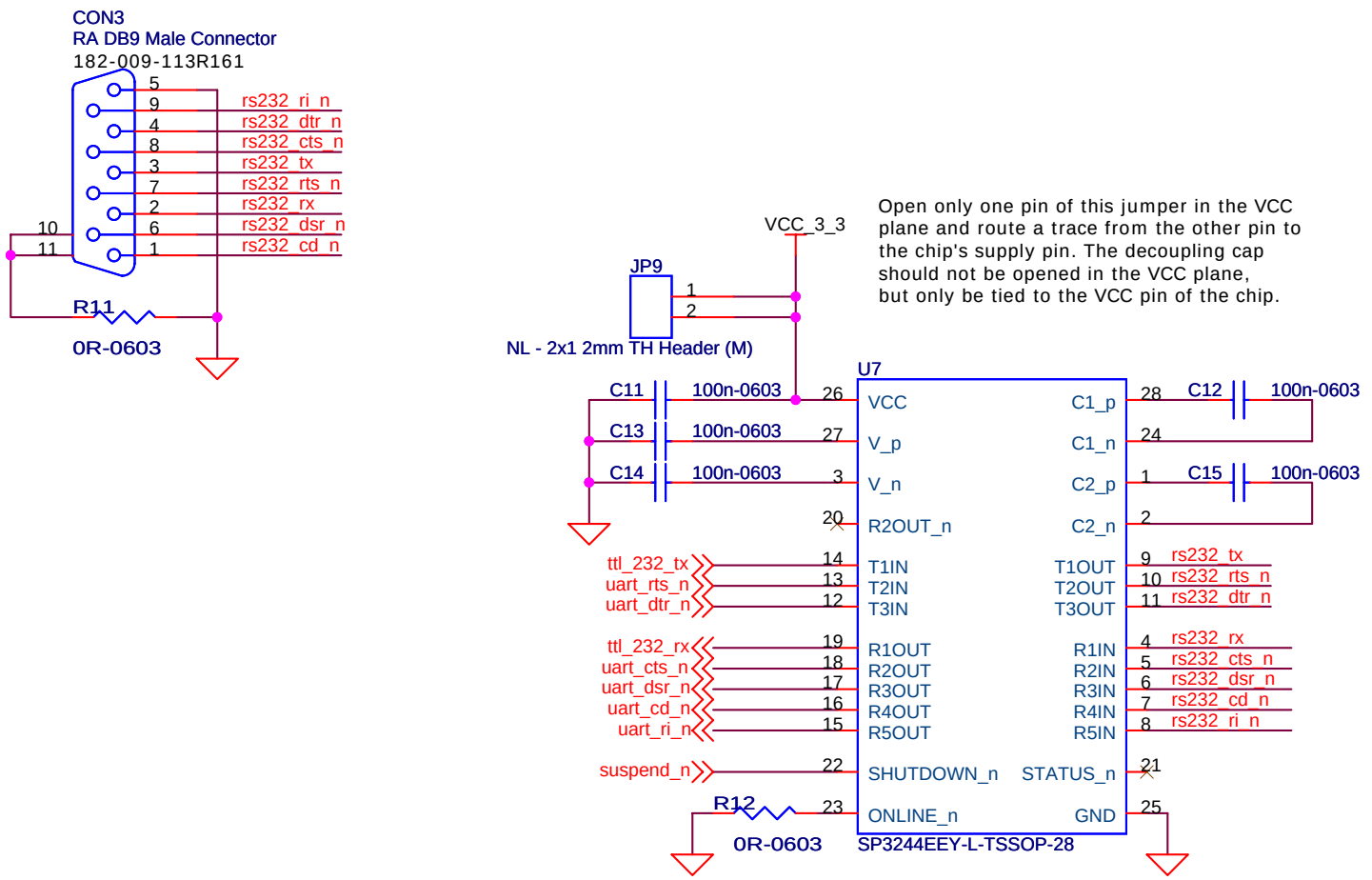
Power Select Header Jumper Options:
Short pins 2-1 => The board is powered from external power supply of 5V (self-powered)
Short pins 2-3 => The board is powered from USB VBUS power (bus-powered)



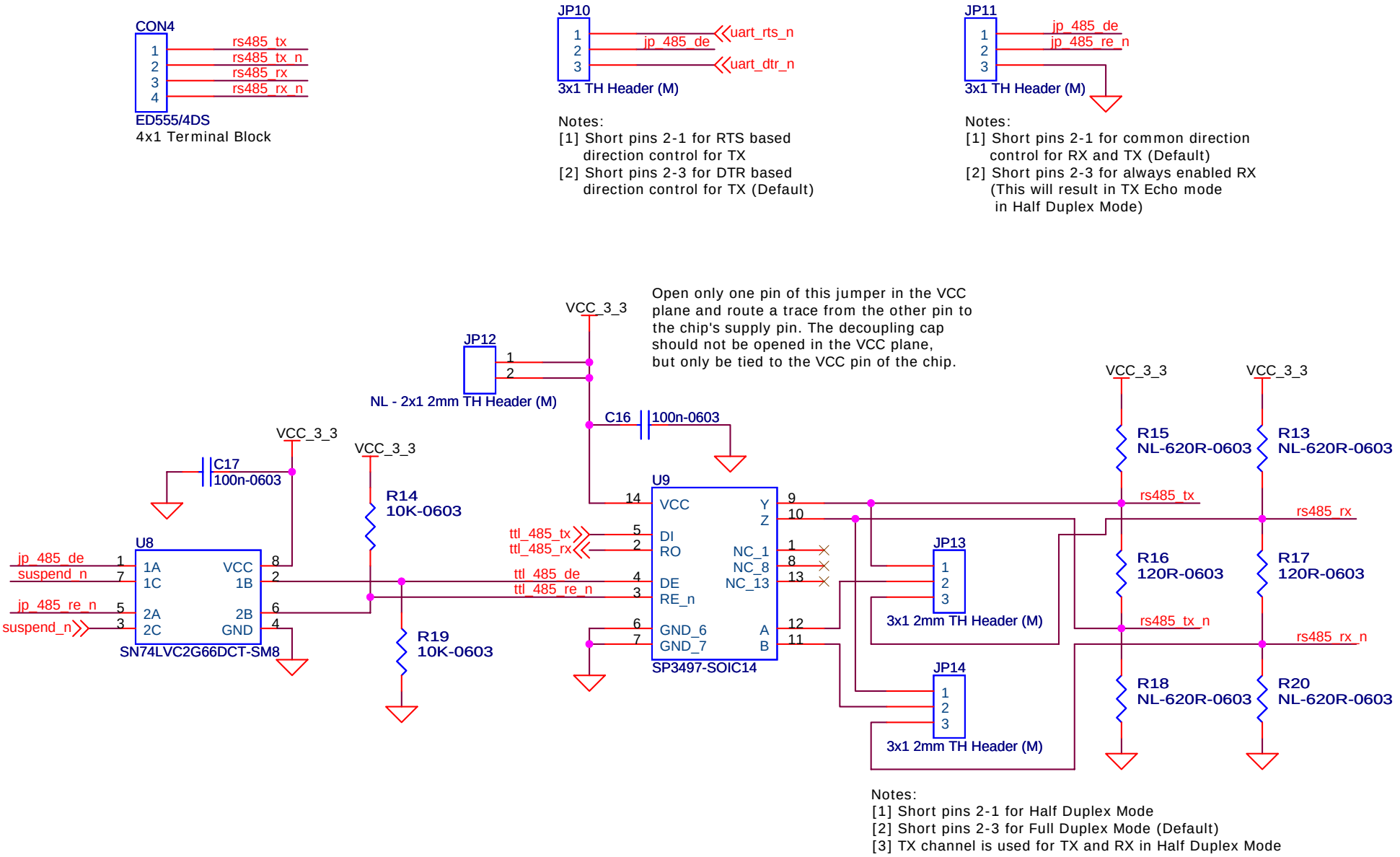
Schematic	sch_top	Power Supply	
Title	USB-UART 1-Channel Evaluation Board		
Size A	**Document Number** SCH-UU1CHEVB-0910-B1B		**Rev** 1C
Date: Thursday, June 25, 2009	**Sheet** 2 **of** 6		



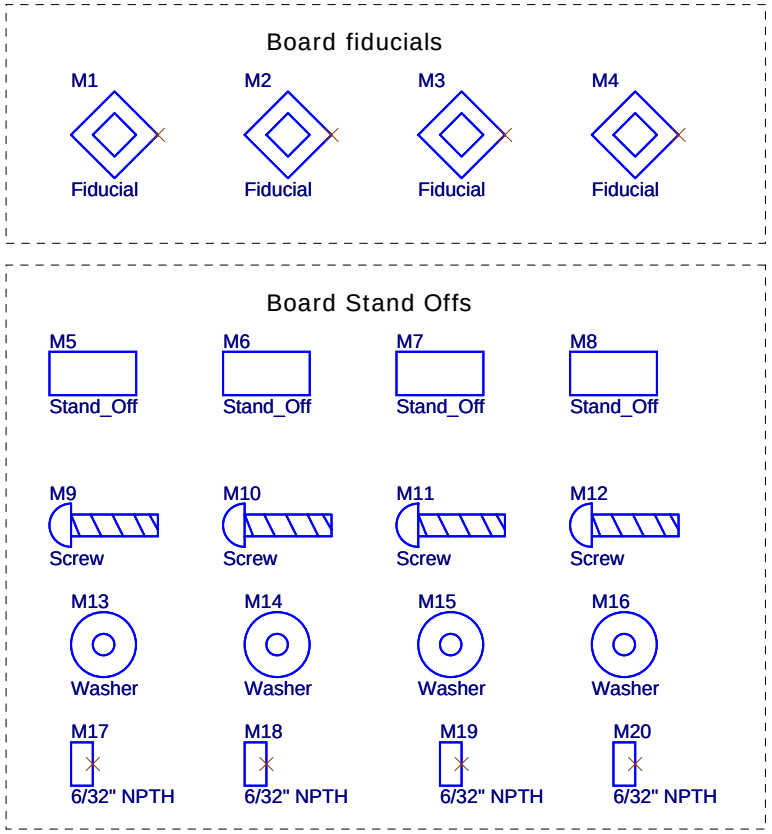
Schematic	sch_top — Exar 1-Channel USB-UART
Title	USB-UART 1-Channel Evaluation Board
Size	Custom
Document Number	SCH-UU1CHEVB-0910-B1B
Rev	1C
Date:	Thursday, June 25, 2009
Sheet	3 of 6

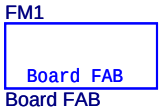


Schematic	sch_top	RS-232 Transceiver
Title	USB-UART 1-Channel Evaluation Board	
Size: A	Document Number: SCH-UU1CHEVB-0910-B1B	Rev: 1C
Date: Thursday, June 25, 2009	Sheet 4 of 6	



Schematic	sch_top	RS-485 Transceiver
Title	USB-UART 1-Channel Evaluation Board	
Size A	**Document Number** SCH-UU1CHEVB-0910-B1B	**Rev** 1C
Date: Thursday, June 25, 2009	**Sheet** 5 **of** 6	





Schematic	sch_top	Manufacturing Points
Title	USB-UART 1-Channel Evaluation Board	
Size A	**Document Number** SCH-UU1CHEVB-0910-B1B	**Rev** 1C
Date: Thursday, June 25, 2009	**Sheet** 6 **of** 6	