	6	5	4	3		2		1	
								REVISION RECORD	
					WHO:	SCH REV:	PCB REV:	NOTES:	DATE:
					TI-BL	R1.0	R1.0	Draft	05-Jun-2013
	NOTES:				TI-BL	R1.1	R1.1	Edited SVS circuitry (U3,U4); Changed power supply (U14) resistors Changed F28377D (U1) pinout and connector pinout (J1) Changed ADC VREFHI circuitry (U17,U13) and switches (SW3, SW4)	24-Oct-2013
D	(A) USB-	erential Pairs - 90 Ohm DM & USB-DP			TI-BL	R1.1 ASSY A	R1.1	R16: 2K2 to 0R, R72: 0R0 to 100K, R74: 0R0 to 10K X1: Move to crystal with lower ESR U1: Swap VREFLOB and VREFLOD to match datasheet U1: Rename ADCINCALO & CAL1 to ADCIN14 & 15 Net Rename: HSEC_ADC-CAL0 & CAL1 to HSEC_ADCIN14 & 1	09-May-2014
	(B) USB(	)_GPIO-42 & USB0_GPIO-43					R1.2	Net Rename: MCU_ADC-CAL0 & CAL1 to MCU_ADCIN14 & 15	
		_GPIO-42 & MCU_GPIO-43			TI-BL	R1.3	R1.3	Shrank the xds100 circuitry (the F28377D has no EMU0/EMU1 Added an external connector Changed USB circuitry:	) 17-Sept-2015
	2) EMIF - Ex	ternal Memory Interface In	npedance Matching from	J1 to U1				<ul> <li>Better/safer interface to USB-VBUS</li> <li>Added TPD4S012 ESD protection diodes</li> <li>Added a resistor which, when removed, reduces the bus</li> </ul>	
	(A) MCU	_GPIO-39:41, MCU_GPIO-44:52,	MCU GPIO-86:94 - Address [	0:21]				capacitance below the USB spec Changed ADC diodes to TPD4E001	
				-				Changed voltage supervision circuitry  Added an schottky diode between VDD_1V2 and VDD_3V3 to help ensure that VDD_3V3 is > VDD_1V2	
		GPIO-30 - Clock	[0.01]					Changed ADC voltage reference circuitry Reannotation of resistors and capacitors	
		_GPIO-37, 31, 29 - Read/Write/	ClleEn Ding			,		Realifictation of resistors and capacitors	
$ \mathbf{C} $									
	(E) MCC	_GPIO-32, 34, 35, 28 - Chip Sele	ect i ms						
			_						
	3) ADC Diffe	rential Pair Impedance Mat	ching						
	(A) HSE(	ADC even pine should match w	ith HSEC ADC + 1 pin (ie HSE	C_ADC-C2 should match with HSEC	ADC-C3)				
		_							
	(b) MCU	_ADC even pins should match wi	th MCU_ADC + 1 pm (le MCU_	ADC-A0 should match with MCU_AD	JC-A1)				
D									
В									
						COMPANY:			
						COMI AIVI	•	Texas Instruments	
A									
						PAGE NAME:  TITLE			
								11111	
						TITLE:	Eoo	27v controlCADD	1.0
							гζδ	37x controlCARD	1.3
						DATE:	10/2/2	SIZE: B SHEET:	1 of 8













