



Author: PA3AKE		I2C controller board	
TITLE: i2c-bus			
Document Number:			REU: B
Date: 9-3-2011 15:11:46			Sheet: 1/1

I2C Board Rev-B Partlist

Part	Value	Package	Description
-----Resistors-----			
R1	10K	1206	(Generic Thick Film resistor)
R2	10K	1206	(Generic Thick Film resistor)
R3	10K	1206	(Generic Thick Film resistor)
R4	2K2	1206	(Generic Thick Film resistor)
R5	2K2	1206	(Generic Thick Film resistor)
-----Inductors-----			
L1	1.5u	1210 (1206)	(Generic SMD inductor)
L2	1.5u	1210 (1206)	(Generic SMD inductor)
L3	1.5u	1210 (1206)	(Generic SMD inductor)
L4	1.5u	1210 (1206)	(Generic SMD inductor)
L5	1.5u	1210 (1206)	(Generic SMD inductor)
L6	1.5u	1210 (1206)	(Generic SMD inductor)
L7	1.5u	1210 (1206)	(Generic SMD inductor)
L8	1.5u	1210 (1206)	(Generic SMD inductor)
L9	1.5u	1210 (1206)	(Generic SMD inductor)
L10	1.5u	1210 (1206)	(Generic SMD inductor)
L11	1.5u	1210 (1206)	(Generic SMD inductor)
L12	1.5u	1210 (1206)	(Generic SMD inductor)
L13	1.5u	1210 (1206)	(Generic SMD inductor)
L14	1.5u	1210 (1206)	(Generic SMD inductor)
L15	1.5u	1210 (1206)	(Generic SMD inductor)
L16	1.5u	1210 (1206)	(Generic SMD inductor)
L17	1.5u	1210 (1206)	(Generic SMD inductor)
L18	1.5u	1210 (1206)	(Generic SMD inductor)
L19	1.5u	1210 (1206)	(Generic SMD inductor)
L20	1.5u	1210 (1206)	(Generic SMD inductor)
L21	1.5u	1210 (1206)	(Generic SMD inductor)
L22	1.5u	1210 (1206)	(Generic SMD inductor)
L23	1.5u	1210 (1206)	(Generic SMD inductor)
L24	1.5u	1210 (1206)	(Generic SMD inductor)
L25	1.5u	1210 (1206)	(Generic SMD inductor)
L26	1.5u	1210 (1206)	(Generic SMD inductor)
L27	1.5u	1210 (1206)	(Generic SMD inductor)
L28	1.5u	1210 (1206)	(Generic SMD inductor)
L29	1.5u	1210 (1206)	(Generic SMD inductor)
L30	1.5u	1210 (1206)	(Generic SMD inductor)
L31	1.5u	1210 (1206)	(Generic SMD inductor)
L32	1.5u	1210 (1206)	(Generic SMD inductor)
L33	1.5u	1210 (1206)	(Generic SMD inductor)
L34	1.5u	1210 (1206)	(Generic SMD inductor)

 -Capacitors-----

C1	100n	1206	(Generic X7R MLCC)
C2	100n	1206	(Generic X7R MLCC)
C3	100n	1206	(Generic X7R MLCC)
C4	100n	1206	(Generic X7R MLCC)
C5	100n	1206	(Generic X7R MLCC)
C6	100n	1206	(Generic X7R MLCC)
C7	100n	1206	(Generic X7R MLCC)
C8	100n	1206	(Generic X7R MLCC)
C9	100n	1206	(Generic X7R MLCC)
C10	100n	1206	(Generic X7R MLCC)
C11	100n	1206	(Generic X7R MLCC)
C12	100n	1206	(Generic X7R MLCC)
C13	100n	1206	(Generic X7R MLCC)
C14	100n	1206	(Generic X7R MLCC)
C15	100n	1206	(Generic X7R MLCC)
C16	100n	1206	(Generic X7R MLCC)
C17	100n	1206	(Generic X7R MLCC)
C18	100n	1206	(Generic X7R MLCC)
C19	100n	1206	(Generic X7R MLCC)
C20	100n	1206	(Generic X7R MLCC)
C21	100n	1206	(Generic X7R MLCC)
C22	100n	1206	(Generic X7R MLCC)
C23	100n	1206	(Generic X7R MLCC)
C24	100n	1206	(Generic X7R MLCC)
C25	100n	1206	(Generic X7R MLCC)
C26	100n	1206	(Generic X7R MLCC)
C27	100n	1206	(Generic X7R MLCC)
C28	100n	1206	(Generic X7R MLCC)
C29	100n	1206	(Generic X7R MLCC)
C30	100n	1206	(Generic X7R MLCC)
C31	100n	1206	(Generic X7R MLCC)
C32	100n	1206	(Generic X7R MLCC)
C33	100n	1206	(Generic X7R MLCC)
C34	100n	1206	(Generic X7R MLCC)
C35	100n	1206	(Generic X7R MLCC)
C36	10u 16V	SMCB	(Generic Tantalium)
C37	10u 16V	SMCB	(Generic Tantalium)
C38	33u 16V	SMCD	(Generic Tantalium)

 -Integrated Circuits-----

IC1	PCF8575DW	SOIC-24	(Texas Instruments, I2C 16-bit IO-expander)
IC2	ULN2803ADWR	SOIC-18	(Texas Instruments, Darlington Array, 8 bit)
IC3	ULN2803ADWR	SOIC-18	(Texas Instruments, Darlington Array, 8 bit)
IC4	UA78L05CD	SOIC-8	(Texas Instruments, 5V regulator)

IC5 LM2940IMP-12 SOT223-4 (National Semiconductor, LDO regulator, 12V, 1A)

-Connectors-----

JP1 68020-172HLF 2x18 (36pins from FCI, Bergstik Header 72pin Right Angle)

JP2 68020-172HLF 2x22 (44pins from FCI, Bergstik Header 72pin Right Angle)

I2C-CONTROLLER Rev-B

PA3AKE 08/03/2011





