

TITLE: Alice TPC RCU - PCB id. 50026002 - Bill of Material

DATE: 20/06/2005

Components to be supplied by SIRICO :						
Part Name	JEDEC_TYPE	Reference on Board Schematic Design	Value	Voltage	Qty	Manufacturer- Type
CAPCERSMDCL1_0603-10PF,50V	C0603	C79-C84,C113-C118	10pF	50V	12	Kemet - ceramic COG
CAPCERSMDCL1_0603-22PF,50V	C0603	C4,C176	22pF	50V	2	Kemet - ceramic COG
CAPCERSMDCL1_0603-470PF,50V	C0603	C130-C133,C138,C184,C186, C188-C191	470pF	50V	11	Kemet - ceramic COG
CAPCERSMDCL2_0402-100NF,16V	C0402	C5-C8,C14,C19,C22-C28, C30,C31,C33-C41,C46-C53, C56,C59-C63	100nF	16V	38	Kemet - ceramic Y5V
CAPCERSMDCL2_0603-100NF,16V	C0603	C9-C11,C15-C18,C20,C21, C29,C32,C42,C43,C45,C54, C55,C57,C58,C64,C65, C67-C78,C85-C98, C100-C111,C120-C129,C134, C154,C161,C163,C164,C175, C178,C180,C182	100nF	16V	77	Kemet - ceramic X7R
CAPCERSMDCL2_0805-100NF,50V	C0805	C2,C3,C140,C157,C165, C168,C172,C177,C183	100nF	50V	9	Kemet - ceramic X7R
CAPCERSMDCL2_0805-10NF,50V	C0805	C136,C158,C159,C166,C167, C169,C170,C173,C174,C179, C181,C185,C187	10nF	50V	13	Kemet - ceramic X7R
CAPCERSMDCL2_0805-470NF,25V	C0805	C13,C44,C112	470nF	25V	3	Kemet - ceramic Y5V
ELCAPTAN_SMD-100UF,10V	C7343POL	C142,C144,C146,C148,C150, C152,C155,C156	100uF	10V	8	Kemet - Tantalum T491series
ELCAPTAN_SMD-10UF,10V	C3216POL	C66,C99,C119,C137,C139, C160,C162,C171	10uF	10V	8	Kemet - Tantalum T491series
ELCAPTAN_SMD-10UF,25V	C7343POL	C141,C143,C145,C147,C149,C151	10uF	25V	6	Kemet - Tantalum T491series
ELCAPTAN_SMD-15UF,10V	C3216POL	C135,C153	15uF	10V	2	AVX-TPSA156K010R1000
ELCAPTAN_SMD-4.7UF,25V	C3528POL	C1,C12	4.7uF	25V	2	AVX_TPSB475K025R1500

RSMD0603_1/16W-00,1%	C0603	R16,R32,R185,R205-R207, R215,R216	0	8
RSMD0603_1/16W-100,1%	C0603	R13,R15,R213,R214	100	4
RSMD0603_1/16W-215K,1%	C0603	R235,R236,R260,R261,R288	215K	5
RSMD0603_1/16W-100,1%	C0603	R9,R12,R14,R17-R25,R29, R31,R170	100	15
RSMD0603_1/16W-10K,1%	C0603	R6,R7,R30,R33,R82-R87, R136-R141,R150,R219,R221, R222,R224-R226,R265,R266, R268,R269,R271,R272, R276-R279,R282,R283,R285,R286	10k	37
RSMD0603_1/16W-150,1%	C0603	R162,R187,R211,R229,R249	150	5
RSMD0603_1/16W-1K,1%	C0603	R4,R5,R8,R10,R40-R45, R94-R99,R241	1k	17
RSMD0603_1/16W-1K6,1%	C0603	R274	1K6	1
RSMD0603_1/16W-1K8,1%	C0603	R291	1k8	1
RSMD0603_1/16W-200,1%	C0603	R27,R28,R34,R35	200	4
RSMD0603_1/16W-20K,1%	C0603	R193,R200	20k	2
RSMD0603_1/16W-220,1%	C0603	R46-R51,R100-R105,R163, R188,R212,R230,R237,R238, R251,R258,R259,R290	220	22
RSMD0603_1/16W-2K2,1%	C0603	R146-R148,R151,R262,R267, R280,R281	2k2	8
RSMD0603_1/16W-2K4,1%	C0603	R92,R149	2k4	2
RSMD0603_1/16W-2K7,1%	C0603	R264,R270,R284,R287,R289	2k7	5
RSMD0603_1/16W-3K3,1%	C0603	R1-R3,R142-R144,R227, R231,R242	3k3	9
RSMD0603_1/16W-4K7,1%	C0603	R11,R36-R39,R88-R91,R145, R152,R156,R166,R167, R172,R173,R176,R179,R180, R197,R223,R234,R263	4k7	23
RSMD0603_1/16W-680,1%	C0603	R275	680	1
RSMD0603_1/16W-715,1%	C0603	R161,R186,R210,R228,R250	715	5
RSMD0603_1/16W-75,1%	C0603	R52-R81,R106-R135, R157-R160,R164,R165,R168,	75	108

		R169,R174,R175,R177,R178,				
		R181-R184,R189-R192,R194,				
		R195,R198,R199,R201-R204,				
		R208,R209,R217,R218,R232,				
		R233,R239,R240,R243-R248,				
		R252-R257				
RSMD0603_1/16W-820,1%	C0603	R26	820		1	
RSMD0603_1/16W-953,1%	C0603	R93,R273	953		2	
RSMD2512_1W-0R1,5%	C2512	R153,R154	0R1		2	
Components provided by CERN :						
Part Name	JEDEC_TYPE	Reference on Board Schematic Design	Value	Voltage	Qty	Manufacturer- Type
74GTL16612_TSSOP	TSSOP56MC_050	IC8-IC15,IC17,IC18,IC22,IC23			12	PHILIPS - GTL16612DGG - TSSOP56
AD7417_TSSOP	TSOP16MA_065	IC21,IC27			2	Analog Dev. - AD7417ARU -TSSOP
APA075-TQ144	TQFP144_050	IC26			1	Actel - APA075-TQ144
BAT54	SOT23	U1,U2			2	Philips-BAT54 SOT23
MIC29302_TO263_5-ADJ	TO263_5	IC2-IC7		ADJ	6	Micrel - MIC29302BU TO263-5
MX29LV640BT_BB-BBTC-90	TSOP48WWW_050	IC25			1	Macronix/MXIC - MX29LV640BBTI-90
QZSMD4P-40MHZ,IQXO70	QZSMD4P	QZ1	40MHz		1	CMAC - 40MHz CFPS-73B
SN65LVDS101_SOIC	SOIC8S_127	IC19,IC20			2	Texas Instr. - SNLVDS101D SO8
TC1265-2.5V	SOIC8S_127	IC24		2.5V	1	Microchip - TC1265-2.5VOA-SOIC
XC2VP7-FF672	BGA672AF26_100	IC16			1	XILINX - XC2VP7-5FF672C
CON14P-MOLEX_87331/87831	CON14MD_2MM	J2			1	Molex- 87831-1420 (2x7pin, 2.0mm)
CON26P-CON2X13FD	CON2X13FD_127	J1			1	Samtec - FTSH-113-01-L-D-K
CON40P-TMMH120_01SD	CON2X20MD_TMMH	J11,J12			2	Samtec TMMH-120-01-S-D-ES
CON4P-SL508_4_180B	CON4MD_SL508	J8			1	Weidmuller SL 5.08/4/180B
CON50P-TMMH125_01SD	CON2X25MD_TMMH	J9,J10			2	Samtec TMMH-125-01-S-D-ES
CON64FPMC-FREE	CON64FMEZ_PCI	J6,J7			2	Tyco - 120521-1
CON70P-CON2X35FD	CON2X35FD_127	J4,J5			2	Samtec - FTSH-135-04-L-D
BORNE2P-H3486	SOCKET_H3486	Not Indicated (Close to J8)			1	Harwin - H3486-01
TP	TP- Pin-Carrier	TP1-TP9,TP13-TP21			18	Precimation - 714-93-132-31-012

Components NOT to be assembled:						
Part Name	JEDEC_TYPE	Reference on Board Schematic Design	Value	Voltage	Qty	Manufacturer- Type
RSMD0603_1/16W-4K7,1%	C0603	R155,R171,R196,R220	4k7		4	(Regulators pull-down)
HFBR_5720AL	HFBR_5720AL	IC1			1	(Optical RTX)
CON40P-QSE020_01_LD	CON40QSE01	J3			1	Samtec - QSE-020-01-L-D (Phos)
FERRITE_SMD-BLM31P500S	S32X16	L1,L2	BLM31P500S		2	Murata - BLM31P500S
TP_HOLE	TP	TP10-TP12			3	