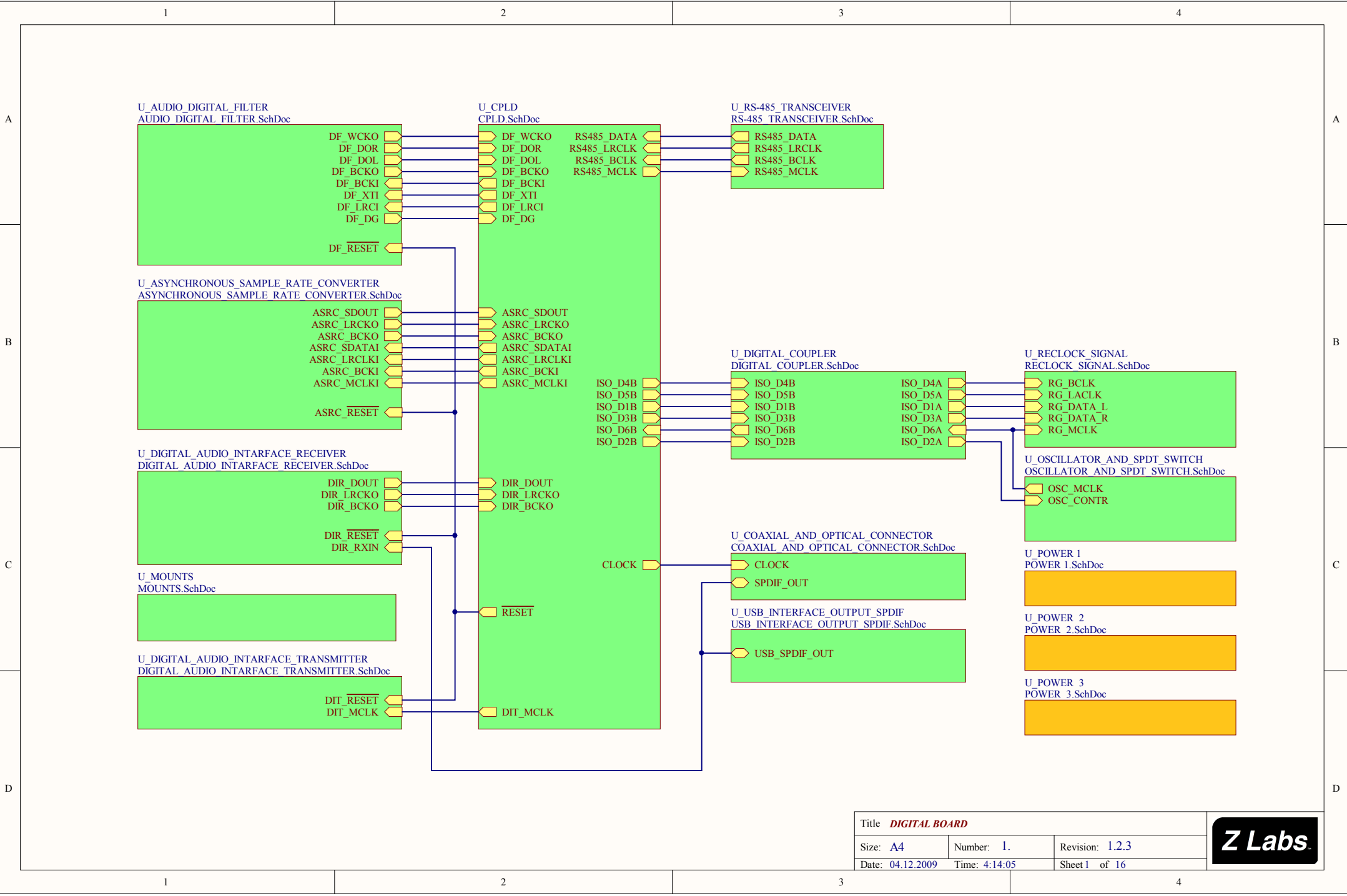




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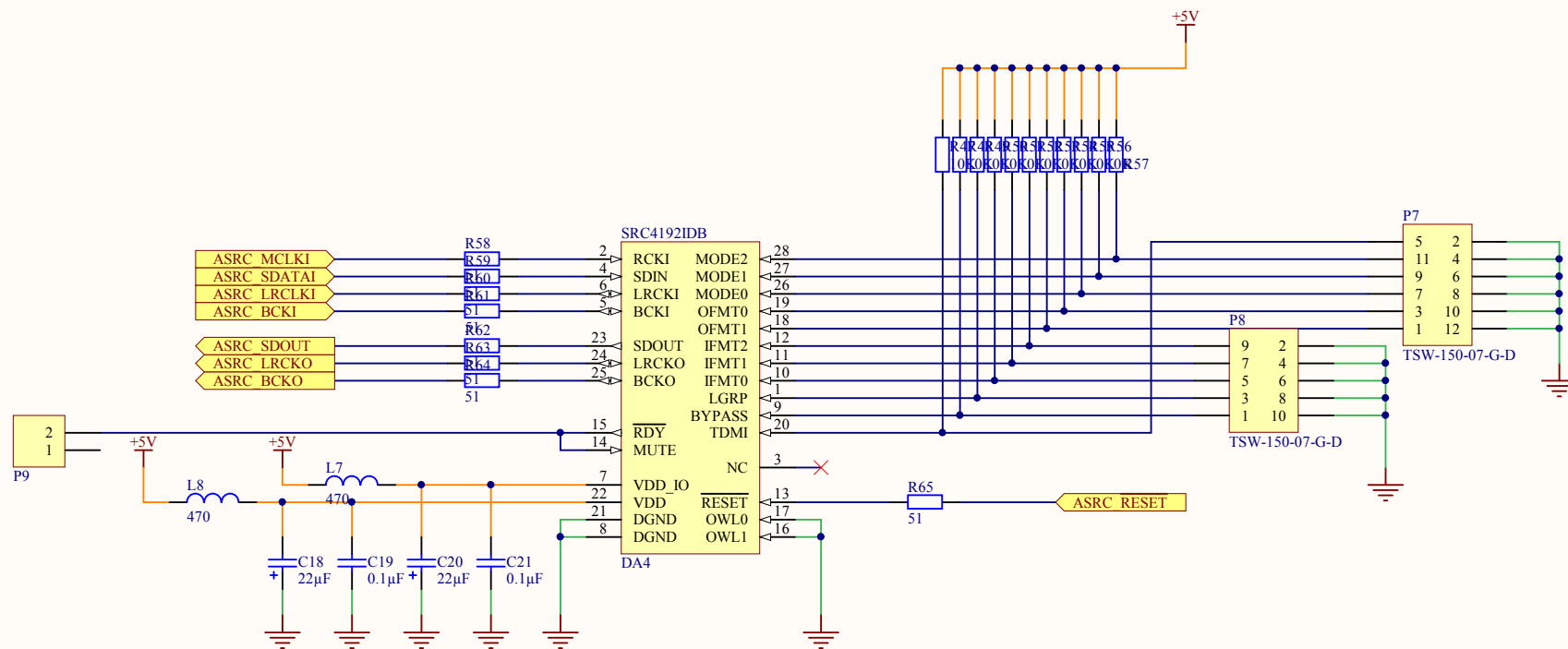
B

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C

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D

Title *ASYNCHRONOUS SAMPLE RATE CONVERTER*

Size: A4

Number: 2.

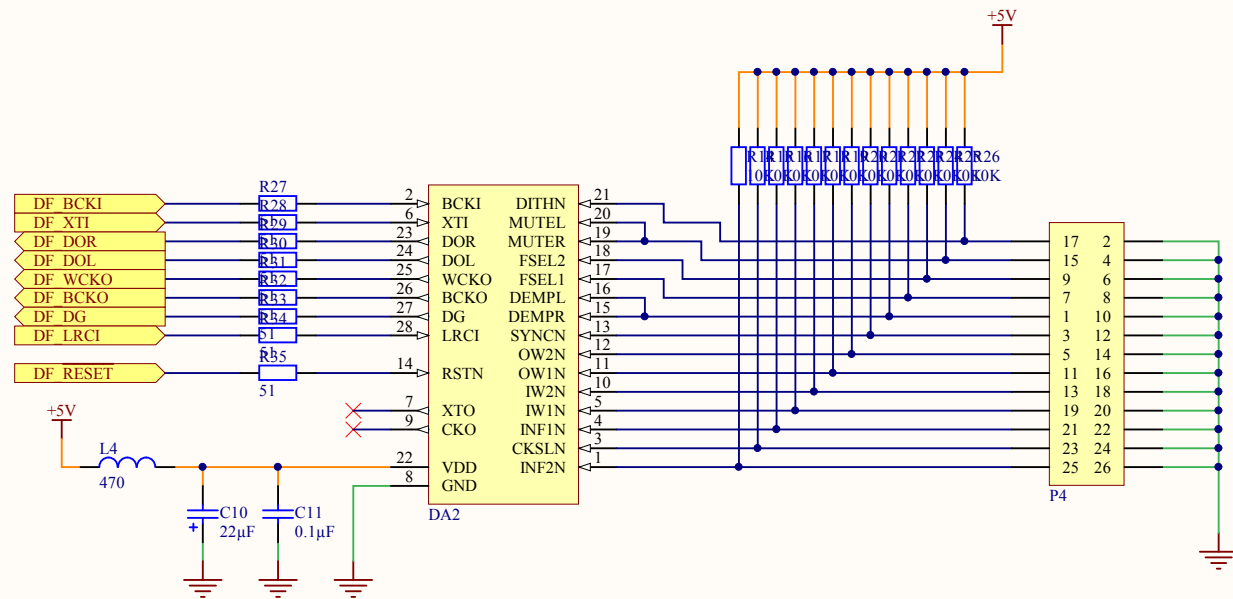
Revision: 1.2.3

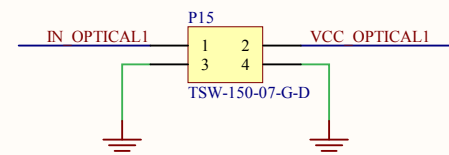
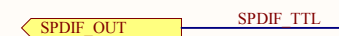
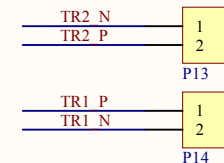
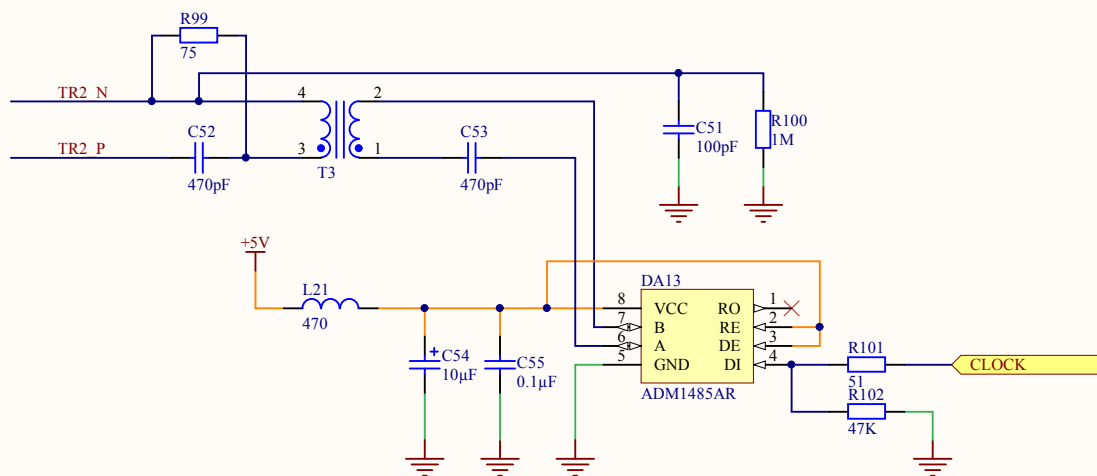
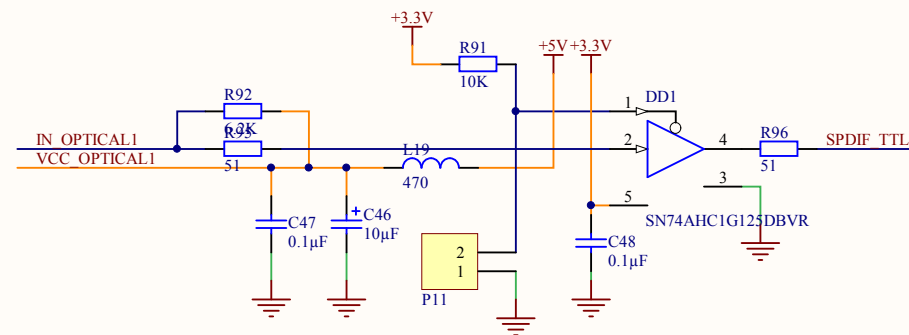
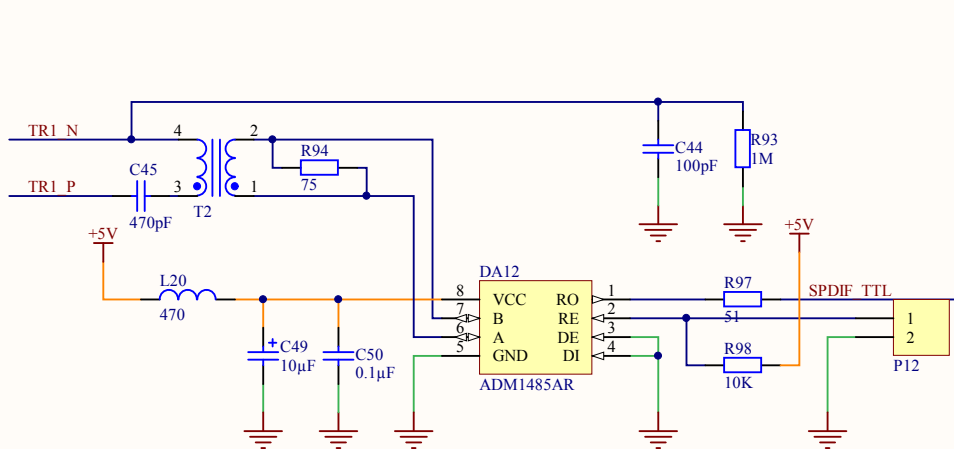
Date: 04.12.2009

Time: 4:14:05

Sheet 2 of 16

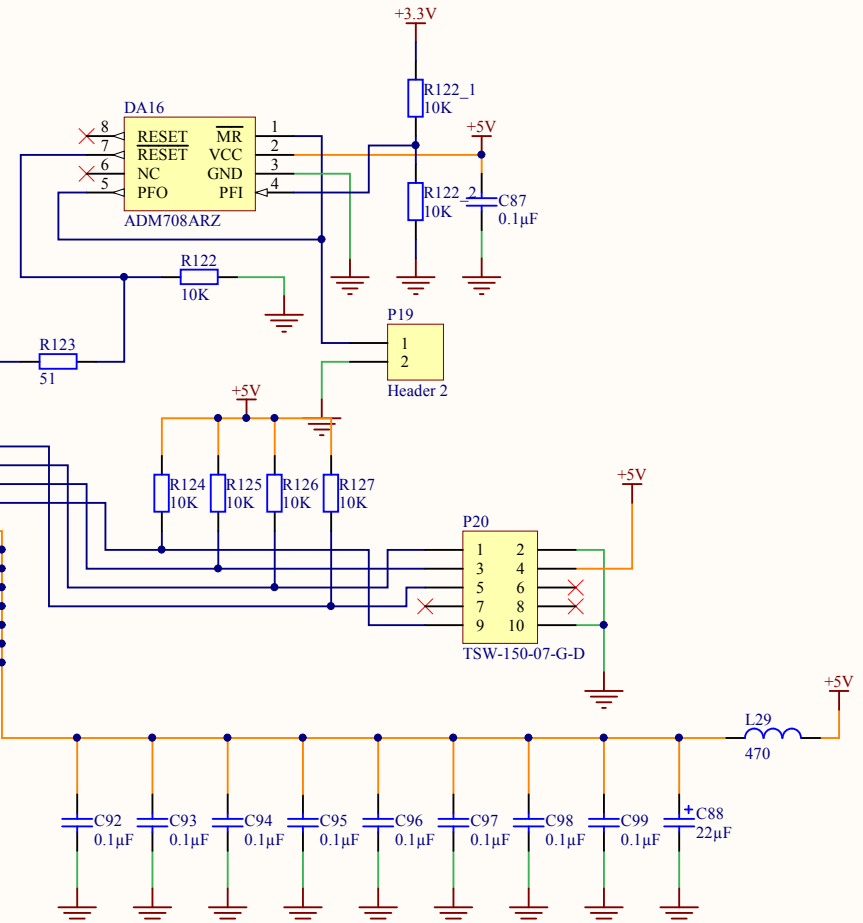
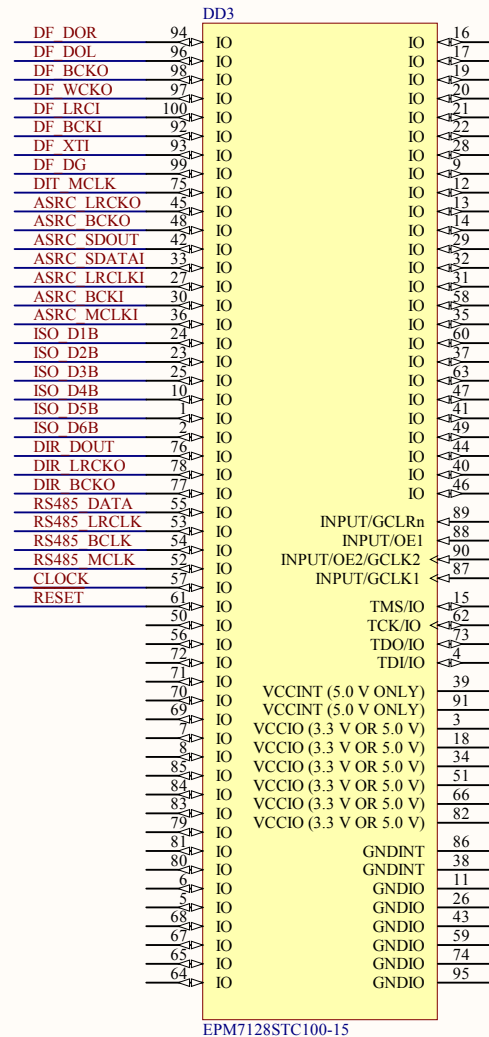
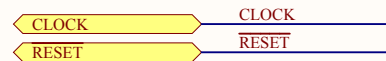
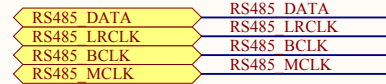
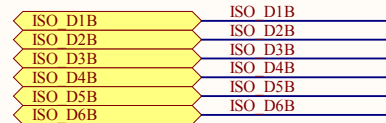
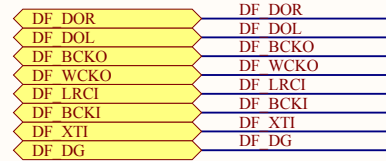
Z Labs

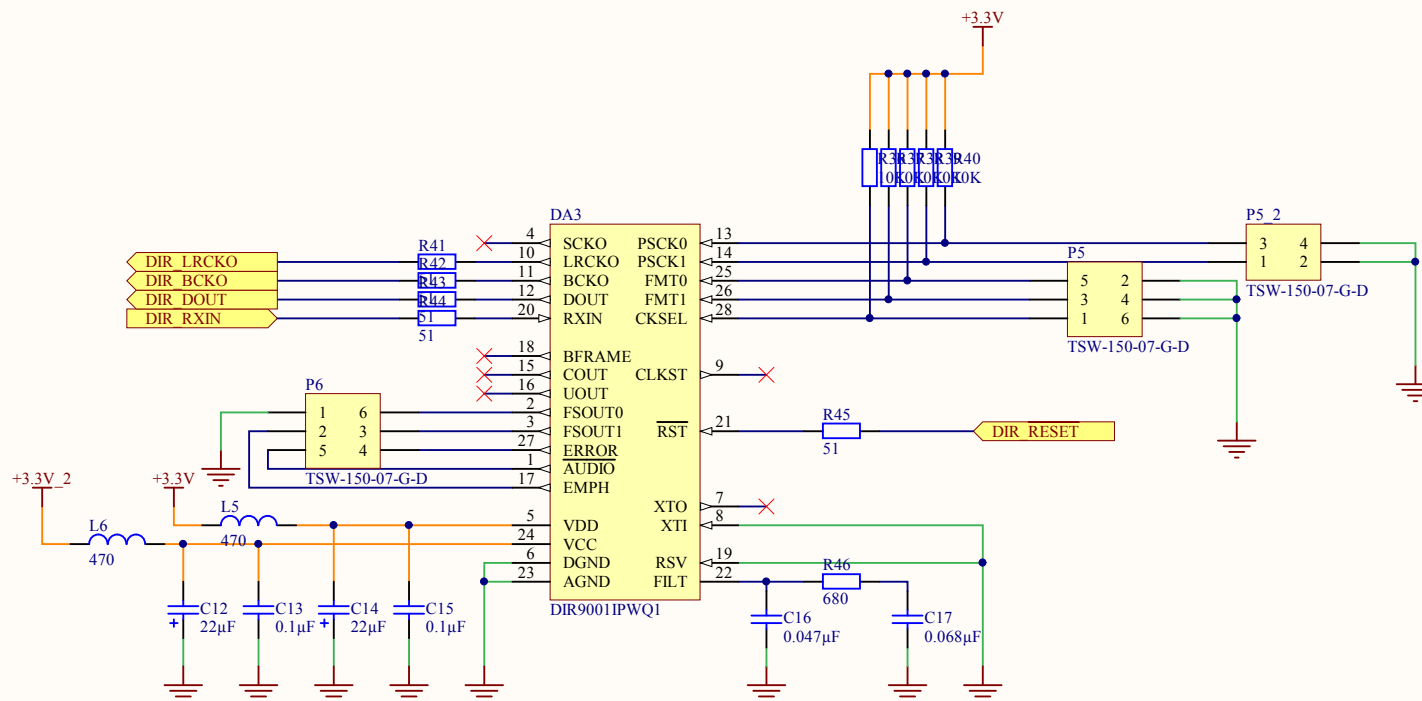


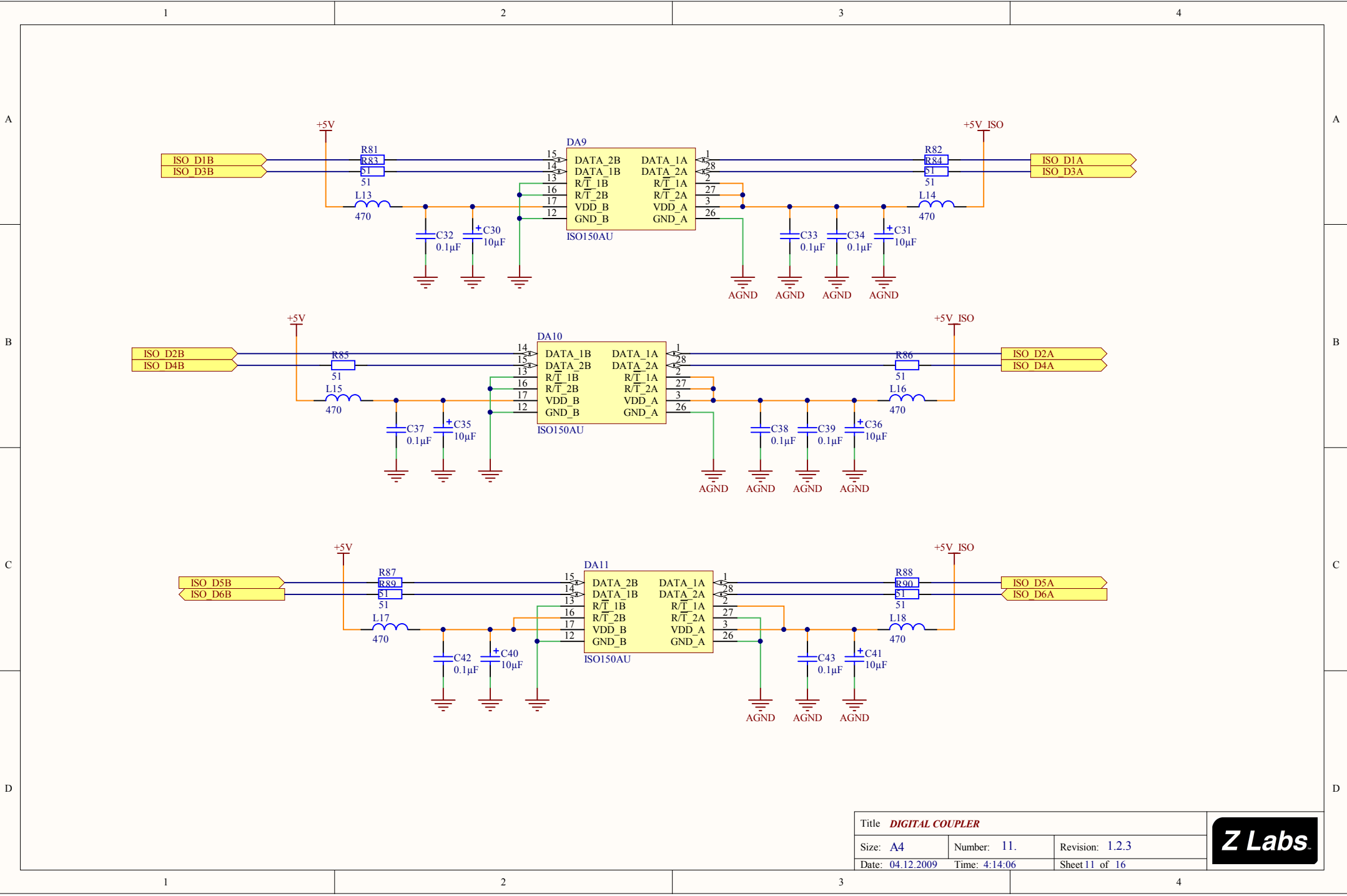


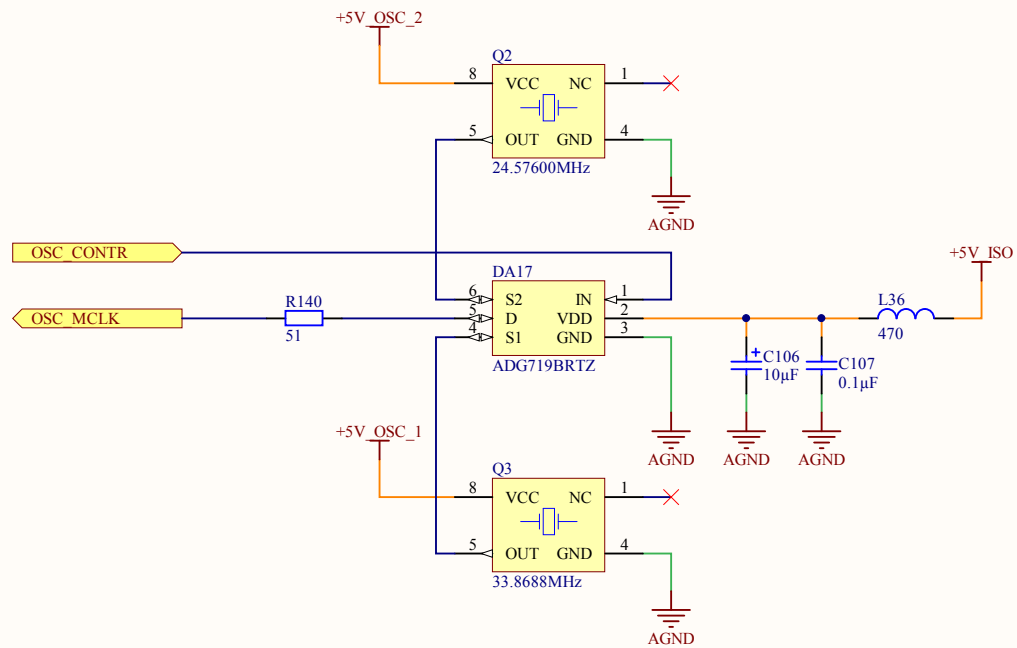
Title COAXIAL AND OPTICAL CONNECTOR		
Size: A4	Number: 7.	Revision: 1.2.3
Date: 04.12.2009	Time: 4:14:05	Sheet 7 of 16

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Title **CPLD**Size: **A4**Number: **8.**Revision: **1.2.3**Date: **04.12.2009**Time: **4:14:05**Sheet **8** of **16****Z Labs**

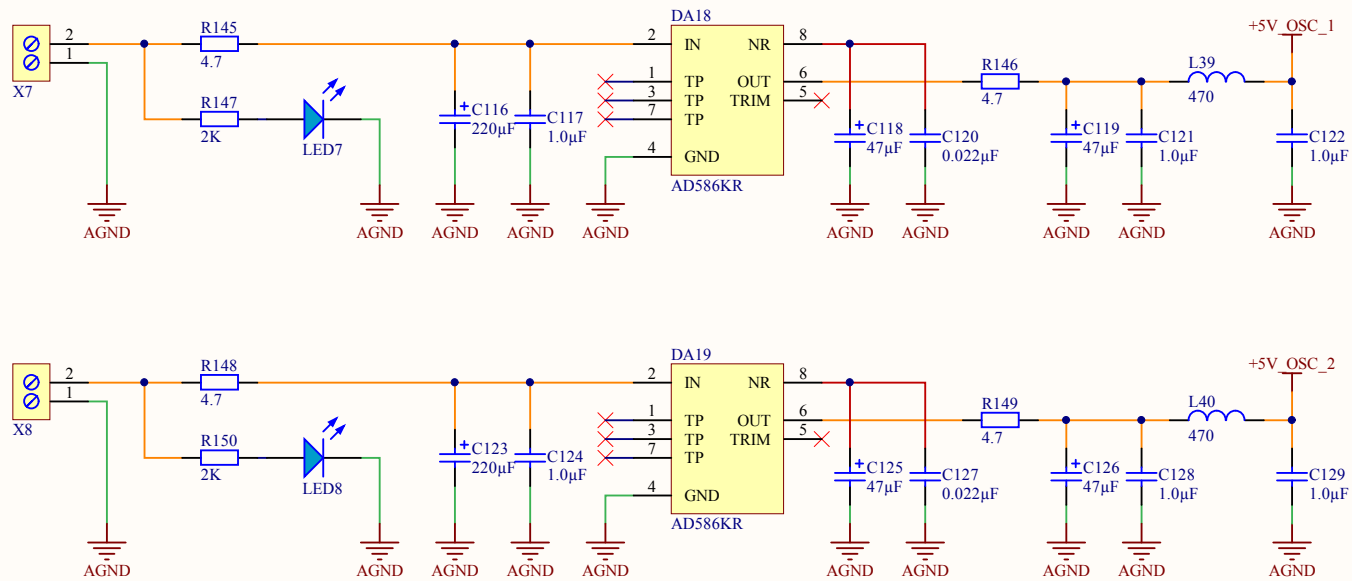
Title **DIGITAL AUDIO INTERFACE RECEIVER**Size: **A4**Number: **9.**Revision: **1.2.3**Date: **04.12.2009**Time: **4:14:06**Sheet **9** of **16****Z Labs**





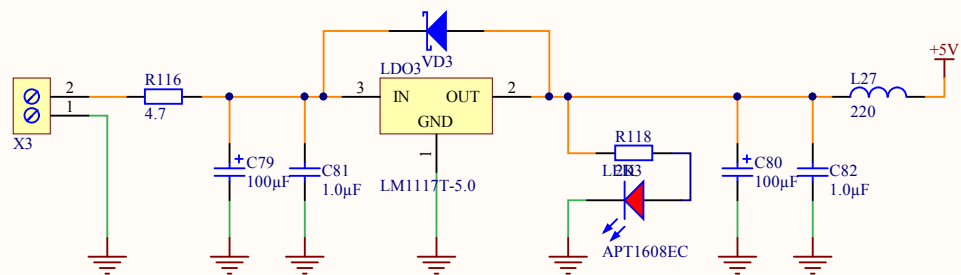
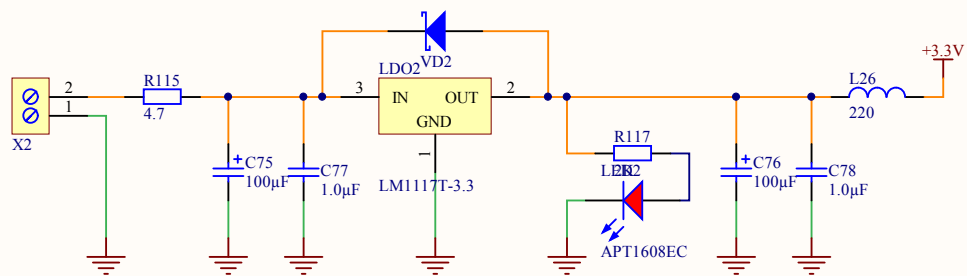
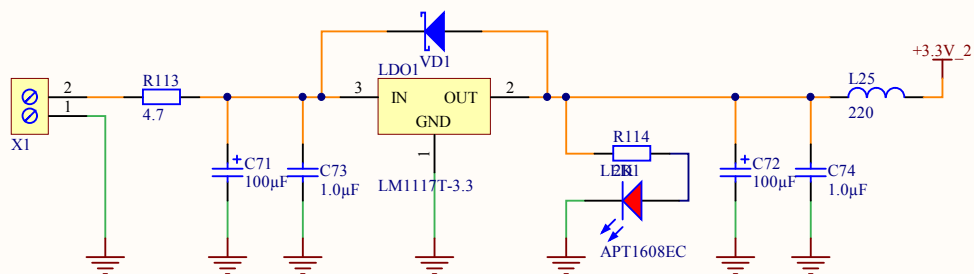
Title OSCILLATOR AND SPDT SWITCH		
Size: A4	Number: 14.	Revision: 1.2.3
Date: 04.12.2009	Time: 4:14:06	Sheet 14 of 16





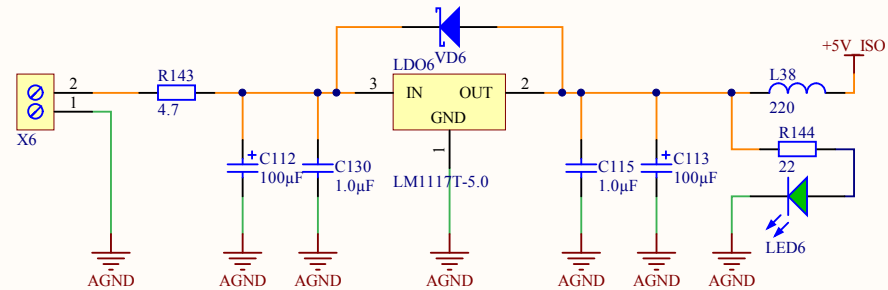
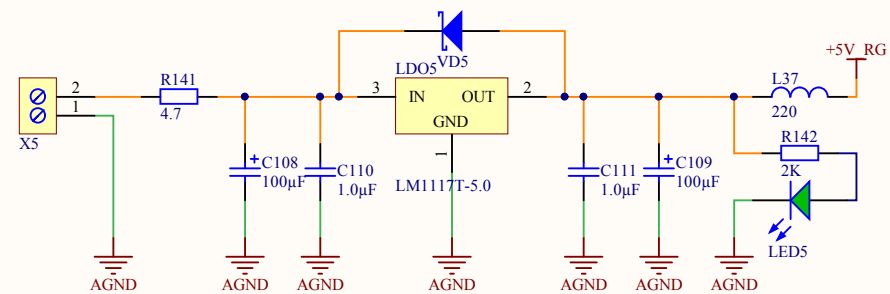
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Size: A4	Number: 15.	Revision: 1.2.3
Date: 04.12.2009	Time: 4:14:06	Sheet 15 of 16

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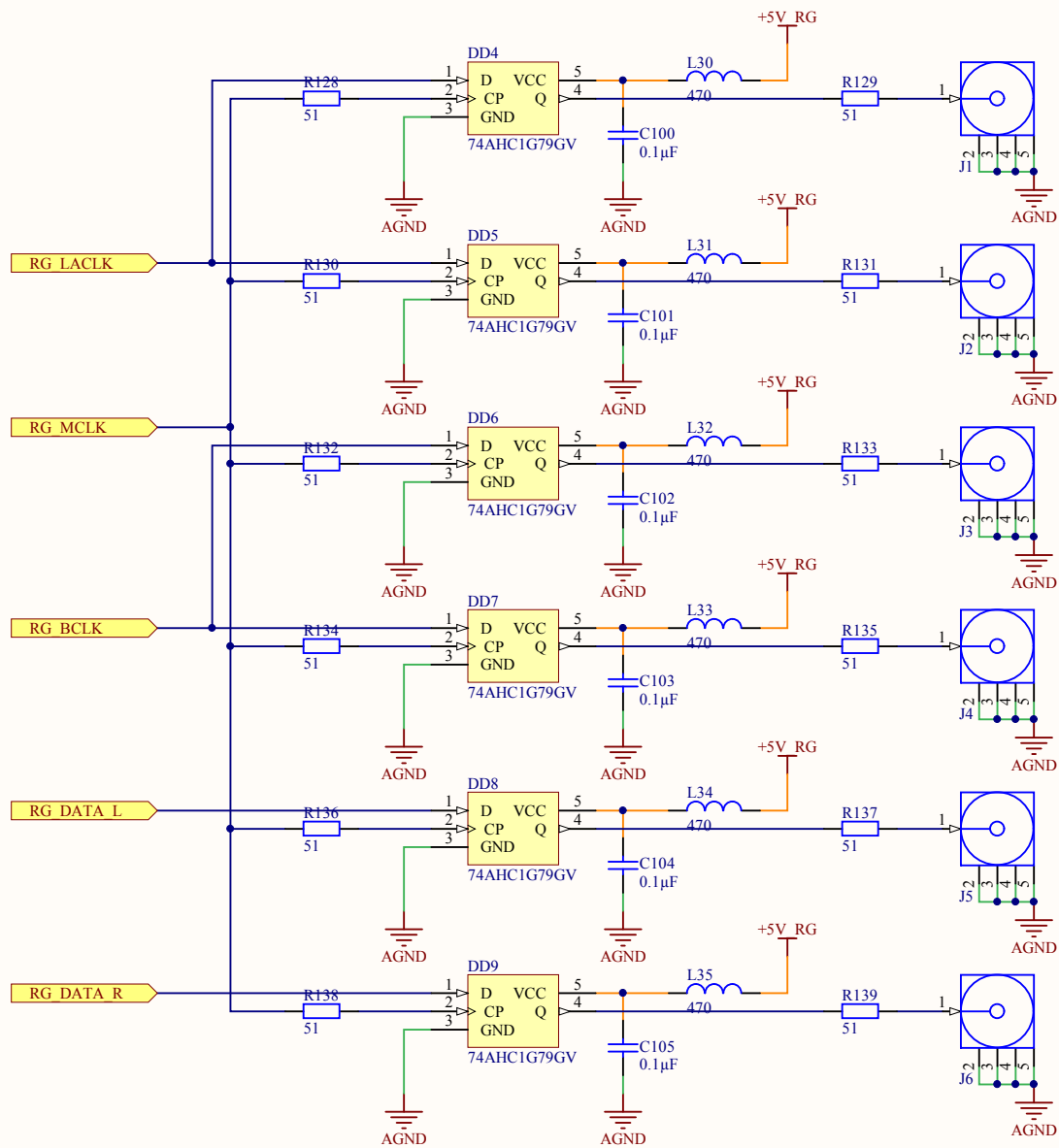
Title POWER 3		
Size: A4	Number: 16.	Revision: 1.2.3
Date: 04.12.2009	Time: 4:14:06	Sheet 16 of 16





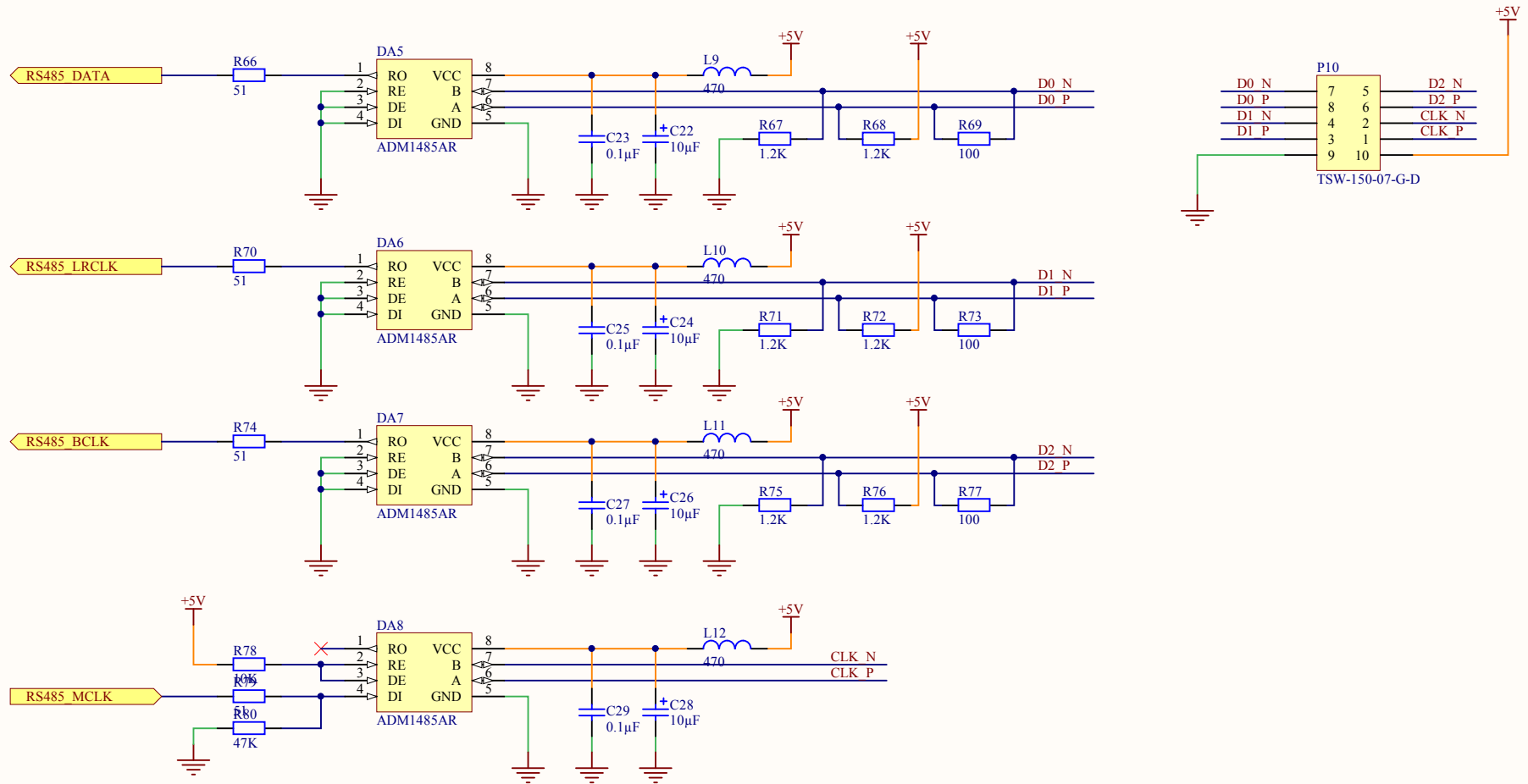
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Size: A4	Number: 17.	Revision: 1.2.3
Date: 04.12.2009	Time: 4:14:06	Sheet 17 of 16

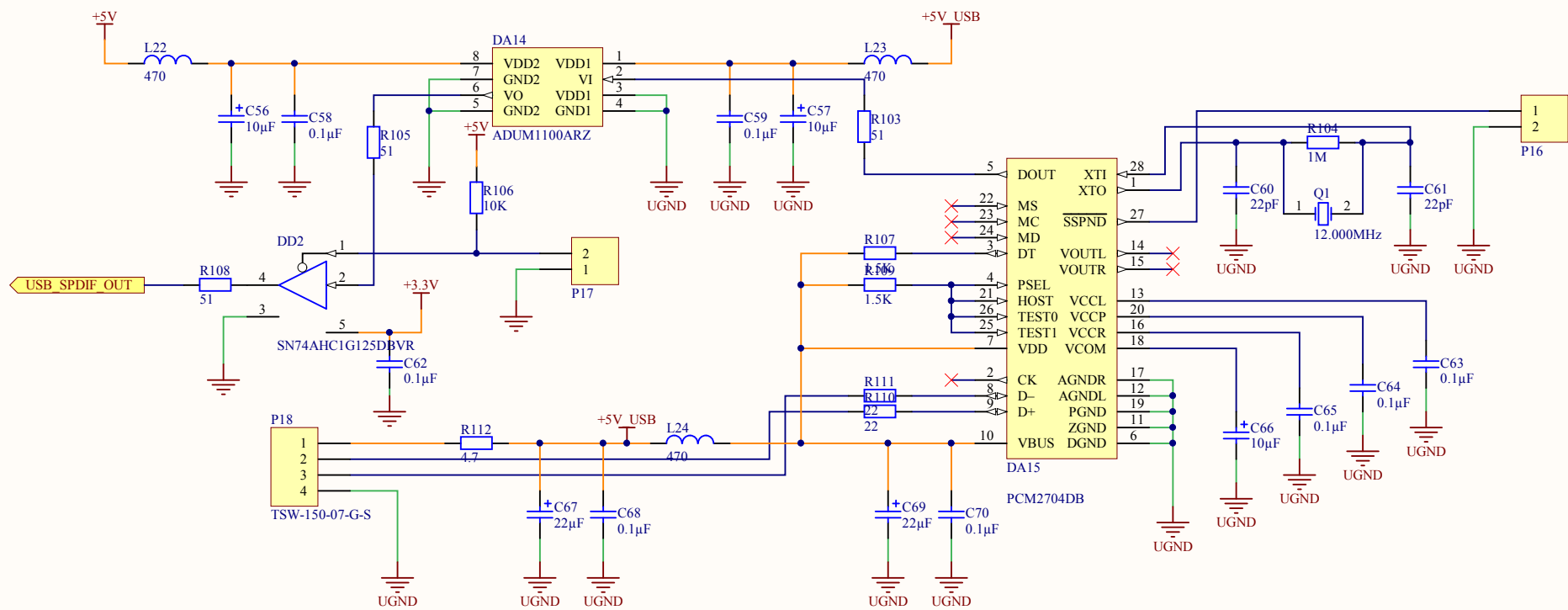




Title RECLOCK SIGNAL		
Size: A4	Number: 18.	Revision: 1.2.3
Date: 04.12.2009	Time: 4:14:06	Sheet 18 of 16

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Title			
Size: A4	Number: .	Revision:	
Date: 04.12.2009	Time: 4:14:06	Sheet of 16	

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Component list

Bill of Materials For Project [DIGITAL_BOARD_INTERFACE.PrjPcb] (No PCB Document Selected)

Source Data From:
Project:
Variant:

DIGITAL_BOARD_INTERFACE.PrjPcb
DIGITAL_BOARD_INTERFACE.PrjPcb
None

Z Labs

Report Date: 04.12.2009 4:14:32
Print Date: 04-Dec-09 4:14:35 AM

#	Designator	LibRef	Uname	Name	Error	Manuf	Description	Footprint	#	Uname	Name	Error	LibRef	Comment	Quantity
	C1, C7, C9, C11, C13, C16, C18, C21, C25, C27, C29, C30, C33, C34, C37, C39, C39, C42, C43, C47, C48, C50, C56, C58, C59, C62, C63, C64, C65, C68, C70, C87, C88, C94, C96, C98, C99, C99, C100, C101, C102, C103, C104, C105, C107	CAP CER 10UF 16V X7R 0805					CAP CER 10UF 16V X7R 0805	CAP100BN						SCM18BR7C104K37D	48
	C2, C22, C24, C26, C28, C30, C31, C36, C38, C40, C41, C46, C49, C54, C59, C72, C76, C78	SANYO - 105C10M - CAPACITOR, 10UF, 10V					SANYO - 105C10M - CAPACITOR, 10UF, 10V	CAPPR2.5x7						105C10M	18
	C3, C4, C45, C52, C53	CAP CER 470PF 50V C0G 0803					CAP CER 470PF 50V C0G 0803	CAP1C00BN						SCM18BR7C104K37D	5
	C5, C44, C51	CAP CER 100PF 50V C0G 0803					CAP CER 100PF 50V C0G 0803	CAP1C00BN						SCM18BR7C104K37D	3
	C6, C8, C10, C12, C14, C16, C20, C67, C69, C88	SANYO - 105C22M - CAPACITOR, 22UF, 10V					SANYO - 105C22M - CAPACITOR, 22UF, 10V	CAPPR2.5x5.3x7						105C22M	18
	C16	CAP CER 47000PF 50V 5% C0G 1206					CAP CER 47000PF 50V 5% C0G 1206	CAPC3216N						GRM031M9C1047JAA01L	1
	C17	CAP CER 68000PF 25V 5% C0G 1206					CAP CER 68000PF 25V 5% C0G 1206	CAPC3216N						GRM031CSC1E68BJA01L	1
	C68, C81	CAP CER 22PF 100V C0G 0803					CAP CER 22PF 100V C0G 0803	CAP1C00BN						SCM18BR7C104K37D	2
	C71, C72, C76, C78, C79, C80, C108, C109, C112, C113	SANYO - 165A100M - CAPACITOR, 100UF, 16V					SANYO - 165A100M - CAPACITOR, 100UF, 16V	CAPPR3.5x8x10.5						165A100M	18
	C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C121, C122, C124, C126, C128, C130	CAP CER 1UF 50V X7R 0805					CAP CER 1UF 50V X7R 0805	CAPC2012N						GRM031BR71H105KA12L	18
	C116, C123	CAP 220UF 25V PREMIUM AUDIO RAD					CAP 220UF 25V PREMIUM AUDIO RAD	CAPPR5.12x5x20						JKC1E2210M4M	2
	C118, C119, C126, C128	CAP 47UF 25V PREMIUM AUDIO RAD					CAP 47UF 25V PREMIUM AUDIO RAD	CAPPR5.10x12.5						JKC1E4710M4M	2
	C120, C127	CAP CER 22000PF 50V C0G 5% 0805					CAP CER 22000PF 50V C0G 5% 0805	CAPC2012N						SCM18BR7C104K37D	2
	D40A1	DT14192PW					IC DIG AUDIO TRANSMTR 8V 28TSSOP	TSSOP68P44-26AN						DT14192PW	1
	D40A2	SMS42AP					High-Class Audio Multi-Function Digital Filter	215J						SMS42AP	1
	D40A3	CR69021PWQ1					IC DUTY AUDIO REC'D RECVR 28TSSOP	TSSOP68P44-26AN						CR69021PWQ1	1
	D40A4	IC16042					IC 16042 54MIPS RATE CONV 28SSOP	SOIC8P160-28N						IC16042	1
	D40A5, D40A6, D40A7, D40A8, D40A9, D40A10, D40A11	ADMT1488AR					IC TXRX RS-485 HS 5V SSOP	SOIC127P000-88N						ADMT1488AR	8
	D40A12	IC16042					IC 16042 54MIPS RATE CONV 28SSOP	SOIC8P160-28N						IC16042	1
	D40A13	ADMT1488AR					IC TXRX RS-485 HS 5V SSOP	SOIC127P000-88N						ADMT1488AR	8
	D40A14	ADMT1488AR					IC TXRX RS-485 HS 5V SSOP	SOIC127P000-88N						ADMT1488AR	8
	D40A15	ADMT1488AR					IC TXRX RS-485 HS 5V SSOP	SOIC127P000-88N						ADMT1488AR	8
	D40A16	ADMT1488AR					IC TXRX RS-485 HS 5V SSOP	SOIC127P000-88N						ADMT1488AR	8
	D40A17	ADMT1488AR					IC TXRX RS-485 HS 5V SSOP	SOIC127P000-88N						ADMT1488AR	8
	D40A18, D40A19	ADMT1488AR					IC TXRX RS-485 HS 5V SSOP	SOIC127P000-88N						ADMT1488AR	8
	D40D1, D40D2	SN74AHC10120BVR					IC BUS BUFF TRS-ST N-INVT 50TSSOP	SOIC127P000-88N						SN74AHC10120BVR	2
	D40D3	EPF10K10-105-15					IC MAX 7000 CPLD 128 105-TQFP	TQFP68P100X100X100-150N						EPF10K10-105-15	1
	D40D4, D40D5, D40D6, D40D7, D40D8, D40D9	LM44641G50V					IC D/F POS-EDGE TRSD 8CTA4.5	SOIC127P000-88N						LM44641G50V	8
	D40D10, D40D11, D40D12, D40D13, D40D14, D40D15, D40D16, D40D17, D40D18, D40D19, D40D20, D40D21, D40D22, D40D23, D40D24, D40D25, D40D26, D40D27, D40D28, D40D29, D40D30, D40D31, D40D32, D40D33, D40D34, D40D35, D40D36, D40D37, D40D38, D40D39, D40D40, D40D41, D40D42, D40D43, D40D44, D40D45, D40D46, D40D47, D40D48, D40D49, D40D50, D40D51, D40D52, D40D53, D40D54, D40D55, D40D56, D40D57, D40D58, D40D59, D40D60, D40D61, D40D62, D40D63, D40D64, D40D65, D40D66, D40D67, D40D68, D40D69, D40D70, D40D71, D40D72, D40D73, D40D74, D40D75, D40D76, D40D77, D40D78, D40D79, D40D80, D40D81, D40D82, D40D83, D40D84, D40D85, D40D86, D40D87, D40D88, D40D89, D40D90, D40D91, D40D92, D40D93, D40D94, D40D95, D40D96, D40D97, D40D98, D40D99, D40D100, D40D101, D40D102, D40D103, D40D104, D40D105, D40D106, D40D107, D40D108, D40D109, D40D110, D40D111, D40D112, D40D113, D40D114, D40D115, D40D116, D40D117, D40D118, D40D119, D40D120, D40D121, D40D122, D40D123, D40D124, D40D125, D40D126, D40D127, D40D128, D40D129, D40D130, D40D131, D40D132, D40D133, D40D134, D40D135, D40D136, D40D137, D40D138, D40D139, D40D140	CONN JACK SMA STR 50 OHM PCB						CONN JACK SMA STR 50 OHM PCB	SMA_VRL45					73381-0010	8
	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140	FERRITE CHIP 470 OHM 100MA 0603					FERRITE CHIP 470 OHM 100MA 0603	INDC060N						BLM18P471S1N1D	34
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	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140	FERRITE CHIP 220 OHM 200MA 0603					FERRITE CHIP 220 OHM 200MA 0603	INDC020N						BLM21P02218N1D	2
	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140	FERRITE CHIP 220 OHM 200MA 0603					FERRITE CHIP 220 OHM 200MA 0603	INDC020N						BLM21P02218N1D	2
	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140	FERRITE CHIP 220 OHM 200MA 0603					FERRITE CHIP 220 OHM 200MA 0603	INDC020N						BLM21P02218N1D	2
	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140	FERRITE CHIP 220 OHM 200MA 0603					FERRITE CHIP 220 OHM 200MA 0603	INDC020N						BLM21P02218N1D	2
	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140	FERRITE CHIP 220 OHM 200MA 0603					FERRITE CHIP 220 OHM 200MA 0603	INDC020N						BLM21P02218N1D	2
	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140	FERRITE CHIP 220 OHM 200MA 0603					FERRITE CHIP 220 OHM 200MA 0603	INDC020N						BLM21P02218N1D	2
	C1, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84														