

# **ISDN ISA PnP PC Card with HFC - SP**

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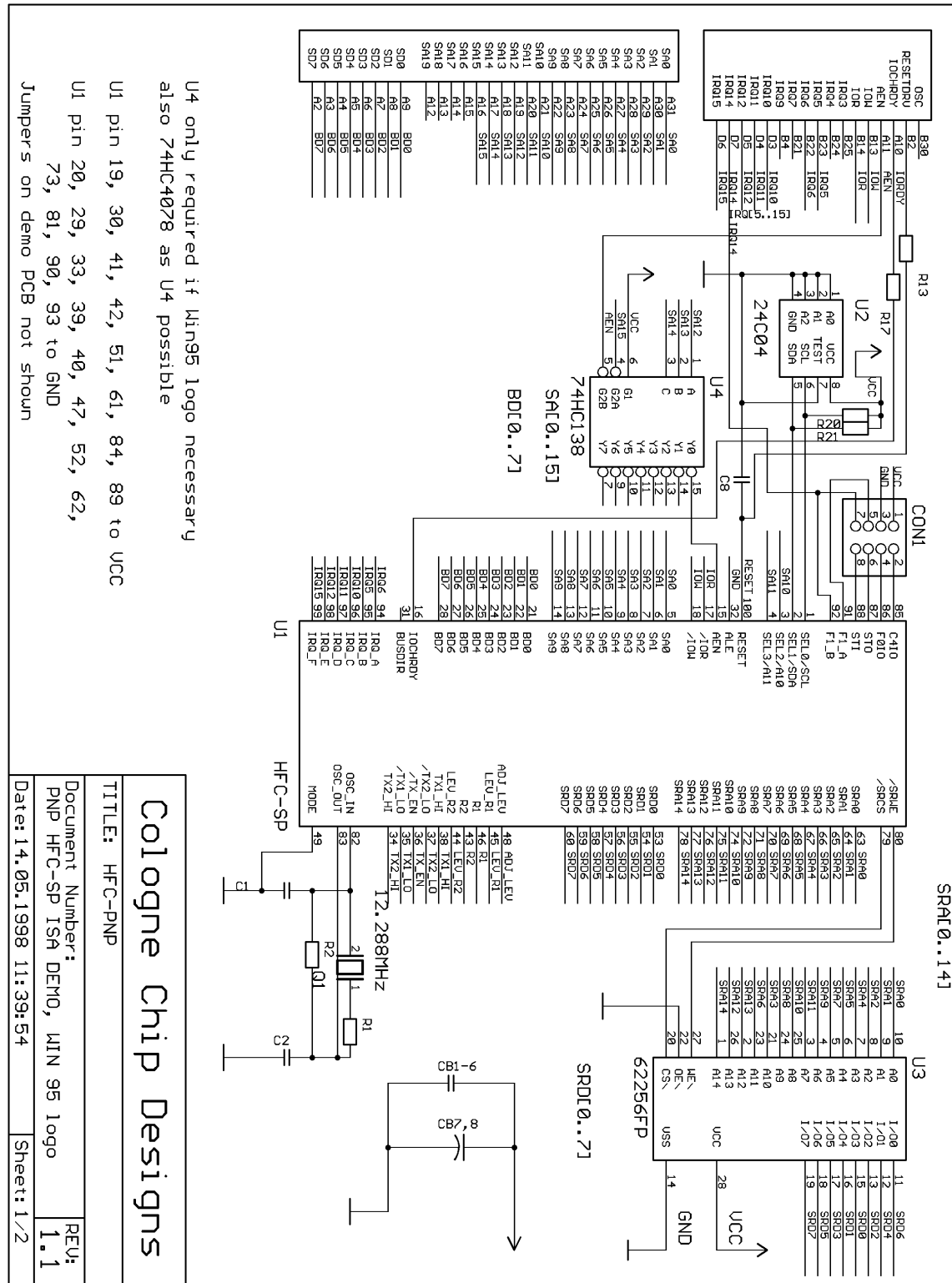
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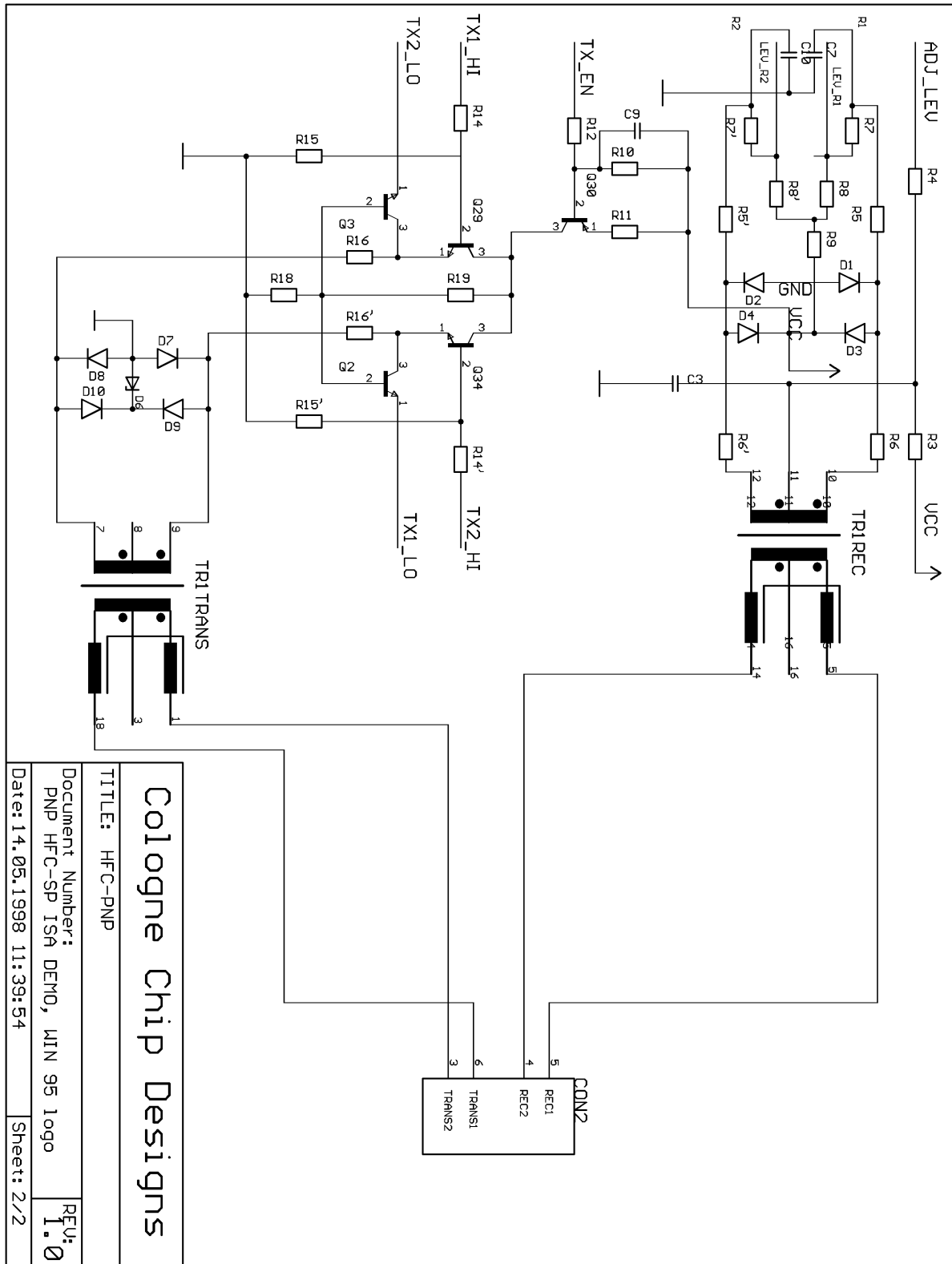
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## **Introduction**

Thank you for your interest in our ISDN controllers. The following pages are just an extract of the HFC-SPs' datasheet. They show how an ISDN ISA PnP card can be built up with the HFC-SP. Of course they can not give you detailed information about all the HFC-SPs' functions, but they can give you an idea about the potential of the HFC-SP. If you want a more detailed description please download the datasheet.

# ISDN ISA PnP PC Card Sample Circuitry





<b>Cologne Chip Designs</b>	
TITLE: HFC-PNP	
Document Number: PNP HFC-SP ISA DEMO, MIN 95 logo	
Date: 14.05.1998 11:39:54	Sheet: 2/2
REV: 1.0	

**Part List**

<b>Part</b>	<b>Value</b>	<b>Part</b>	<b>Value</b>	<b>Part</b>	<b>Value</b>
C1	47pF	D9	LL4148	R11	100 $\Omega$
C2	47pF	D10	LL4148	R12	5.6k $\Omega$
C3	47nF	D11	2V7	R13	100k $\Omega$
C7	none	Q1	12.288MHz	R14	2.2k $\Omega$ $\pm$ 1%
C8	1nF	Q2	BC850C	R14'	2.2k $\Omega$ $\pm$ 1%
C9	470pF	Q3	BC850C	R15	3.0k $\Omega$ $\pm$ 1%
C10	none	Q29	BC850C	R15'	3.0k $\Omega$ $\pm$ 1%
CB1	47nF	Q30	BC860C	R16	18 $\Omega$
CB2	47nF	Q34	BC850C	R16'	18 $\Omega$
CB3	47nF	R1	50 $\Omega$	R17	15 $\Omega$
CB4	47nF	R2	1M $\Omega$	R18	2.2k $\Omega$
CB5	47nF	R3	1M $\Omega$	R19	3.3k $\Omega$
CB6	47nF	R4	3.9k $\Omega$	TR1	S/T module
CB7	47nF	R5	4.7k $\Omega$	CON1	PINHD-2X4
CB8	33 $\mu$ F	R5'	4.7k $\Omega$	CON2	WESTERN
CB9	33 $\mu$ F	R6	4.7k $\Omega$	CON3	ISA
D1	LL4148	R6'	4.7k $\Omega$	U1	HFC-SP
D2	LL4148	R7	100k $\Omega$	U2	24C04
D3	LL4148	R7'	100k $\Omega$	U3	62256FP
D4	LL4148	R8	33k $\Omega$	U4	74HC138
D6	2V7	R8'	33k $\Omega$		
D7	LL4148	R9	1.8M $\Omega$		
D8	LL4148	R10	3.3k $\Omega$		