

Tecnoroll BMB srl

Via Panzeri 11, 20123 Milano

www.tecnoroll.it

DigiPEG

Application Notes

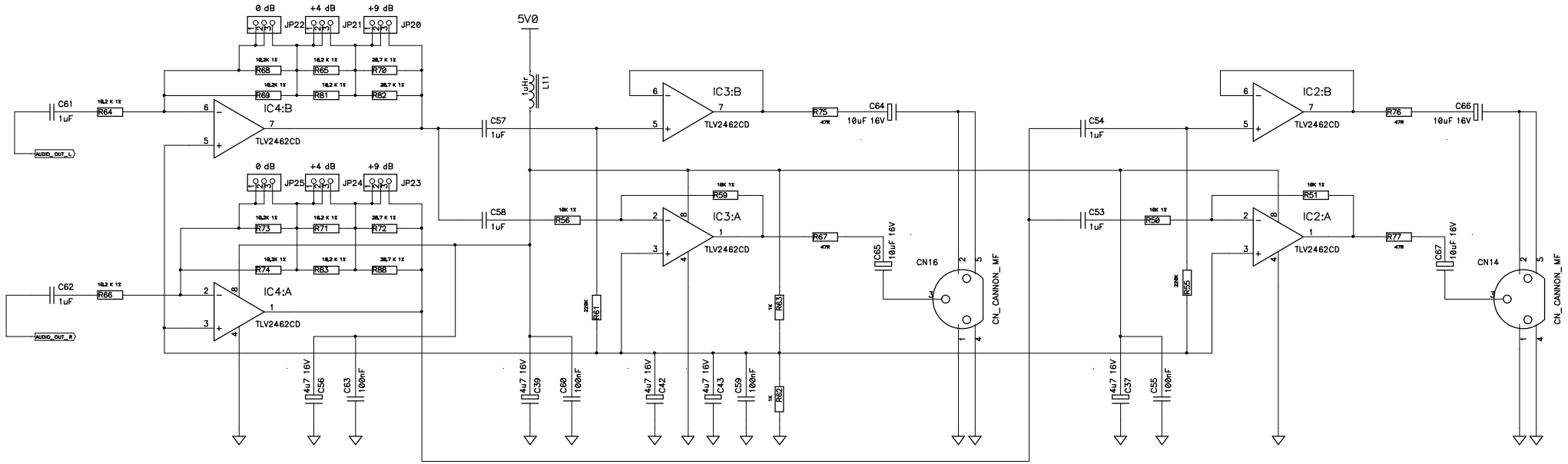
Rev A, January, 3 2005

1. The use of this product in conformity with the MPEG2 Standard is prohibited in any case, unless the license of patents applicable to the MPEG2 patent group is granted.
2. It's the purchaser's duty to check which patents with potentially payable author's rights are used in his/her own final project and act accordingly with the bodies in charge.
3. The contents of this manual are subject to change without notice.
4. Of the specifications described in this manual, the functions and performance the supply of which is assured with this product are only those that can be confirmed with the separate Basic Firmware attached.
5. When the product or information described in this manual is used, our company does not guarantee or grant any license of the intellectual property rights and other rights of our company or of third parties. If any problems concerning the ownership rights of third parties attributable to the above use occur, our company will not be responsible for them.
6. Since the product described in this manual was not developed specially for equipment related to human life, those who intend to use it for equipment whose failure or malfunction may directly threaten human life or endanger the human body or for special applications requiring high reliability (such as aerospace, nuclear power control, submarine repeaters, travel control, and medical equipment for life support) must consult our sales responsible personnel in advance. Our company will not be responsible for any damages that may occur due to such use without consulting us.
7. Although our company is endeavoring to improve quality and enhance reliability, semiconductor products will fail with a certain probability. Users are requested to pay due attention to safe design techniques such as redundant design, preventive measures against the spreading of fire, over-current, and malfunctions, so that failure of the products described in this manual will not result in accidents leading to injury or death, fire, or social damage.
8. The product described in this manual is not designed to be radiation-resistant.
9. This board is just an 'electronic component' that cannot work in a standalone mode, therefore all the tests and qualifications for electromagnetic compatibility, all the CE certifications and any other regulations concerning the final product implemented by the customer are to be carried out by the customer himself referring to the final product for which this electronic component has been used.

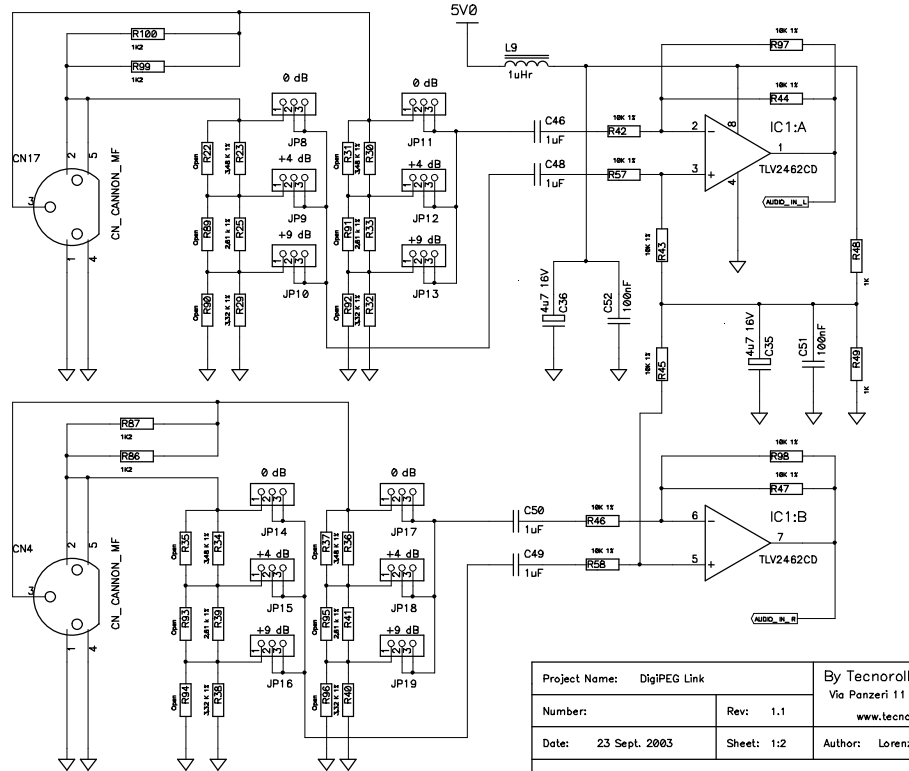
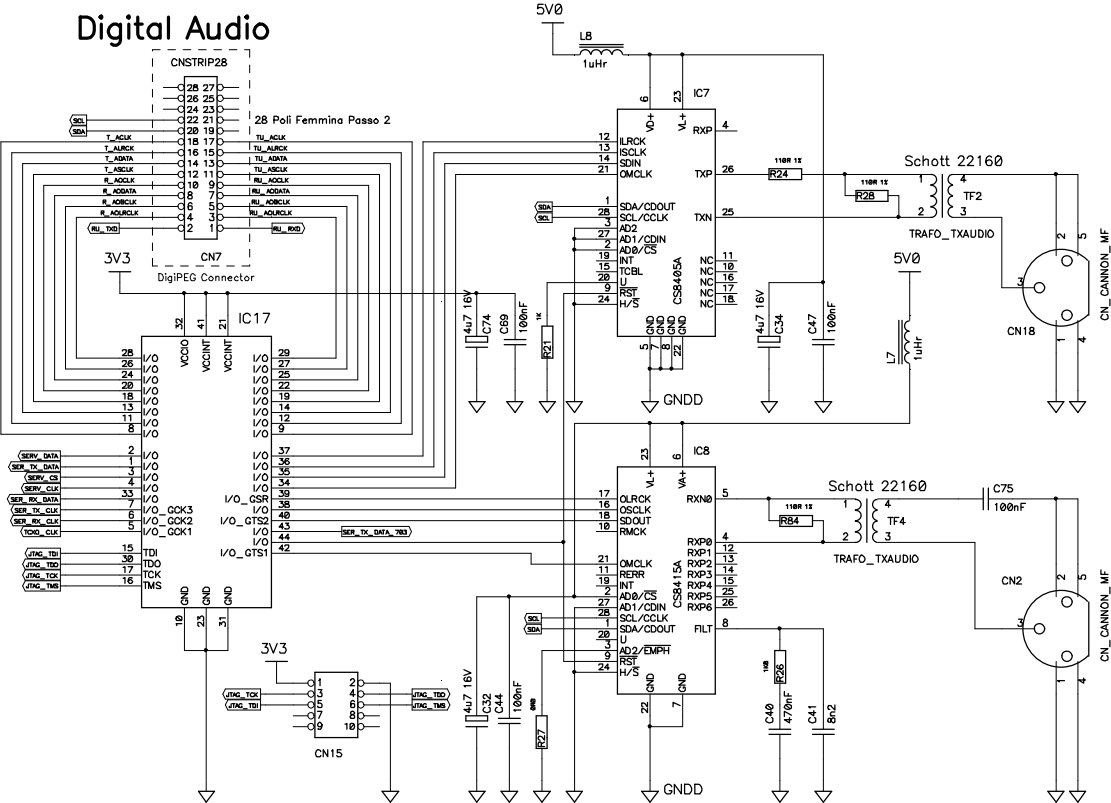
Revision history:

Rev A, January, 3 2005, abesani@tecnoroll.it
First release

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Digital Audio



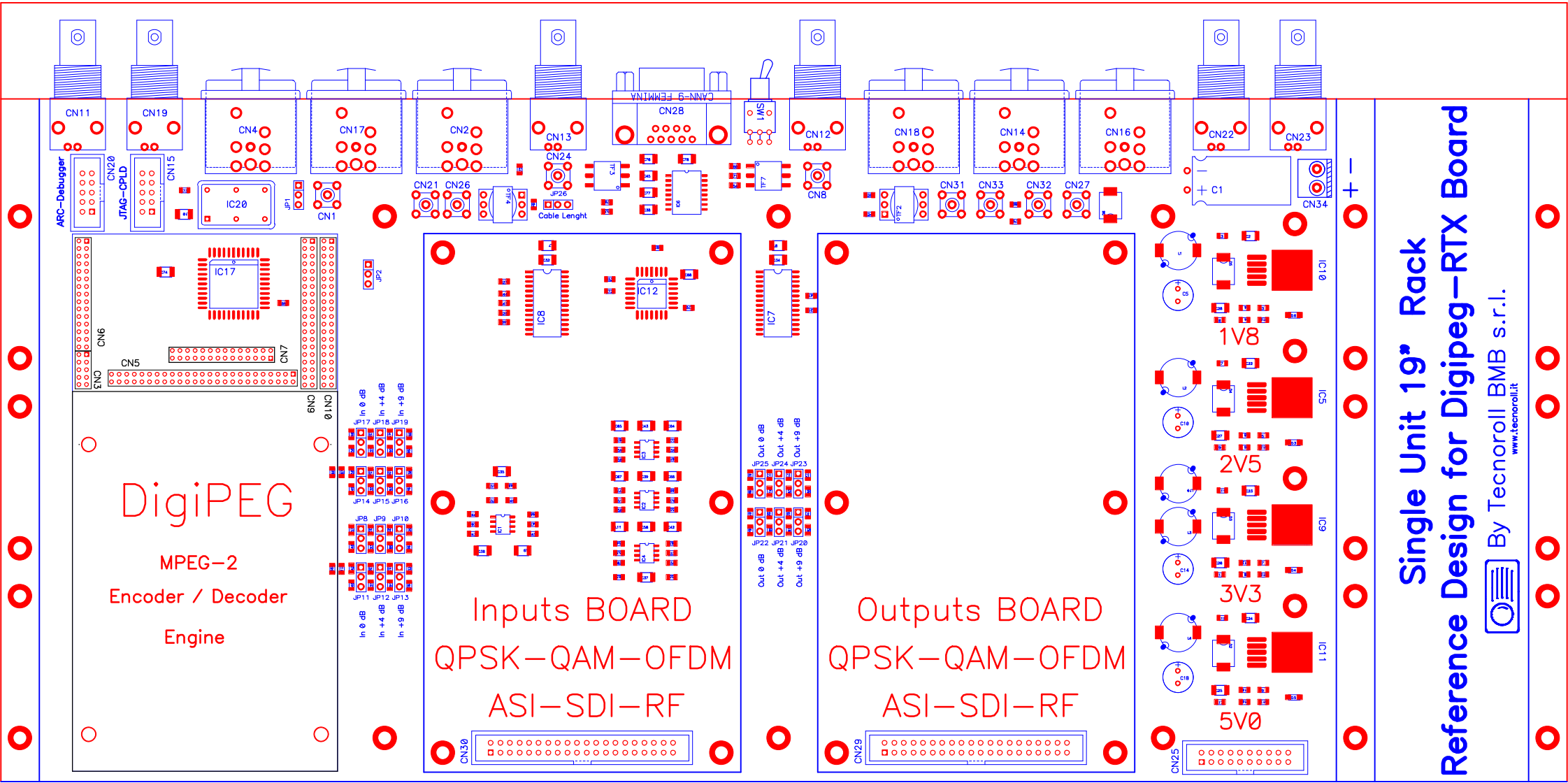
Project Name: DigIPeG Link		By Tecnoroli BMB srl Via Panzeri 11 Milano Italy www.tecnoroli.it	
Number:	Rev: 1.1	Date: 23 Sept. 2003	Sheet: 12
Author: Lorenzo Bola		Note:	

Inputs

- Video 1
- Video 2
- Audio Right
- Audio Left
- Digital Audio
- G703 34Mbit

Outputs

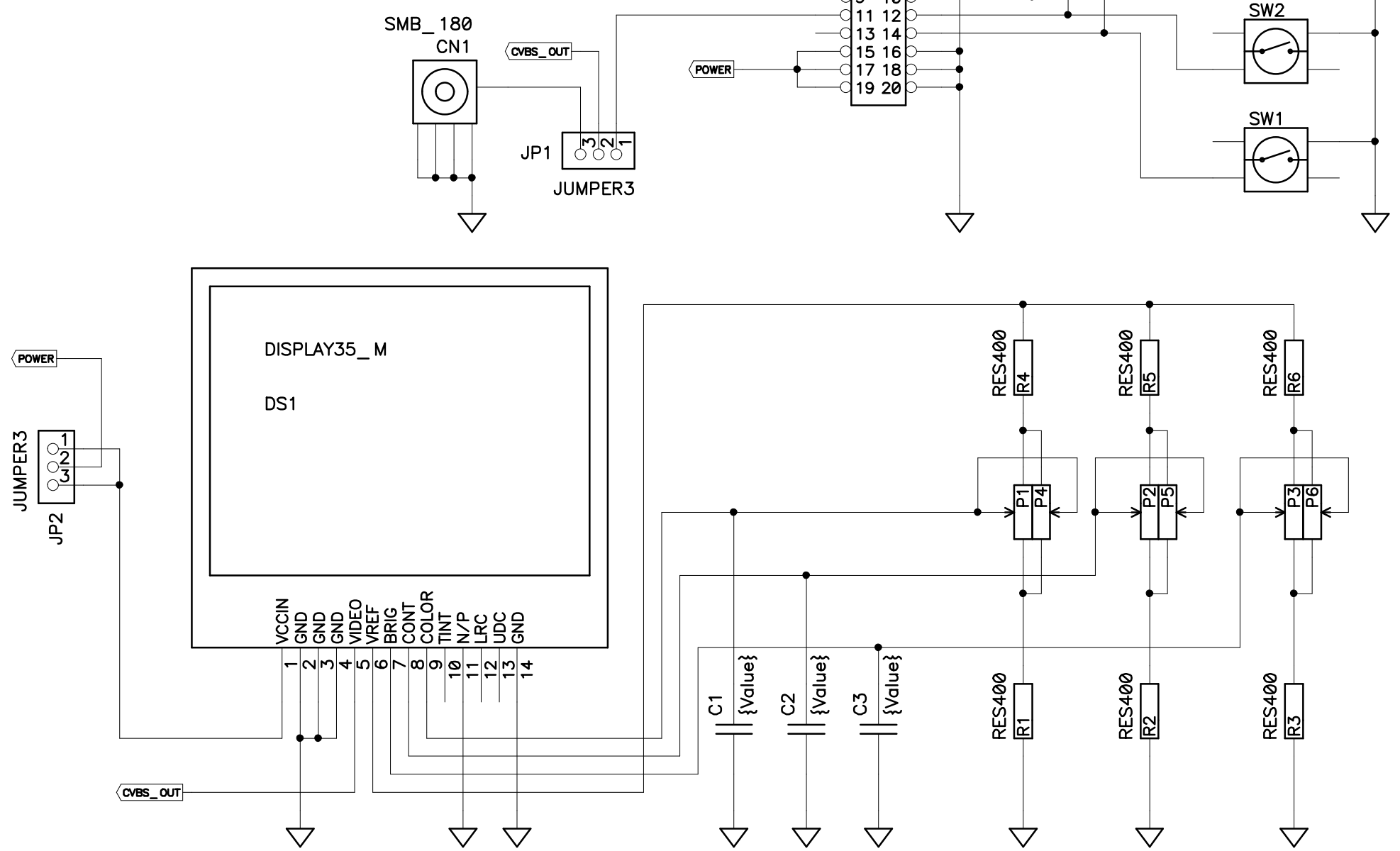
- Remote
- G703 34Mbit
- Digital Audio
- Audio Right
- Audio Left
- Video 2
- Video 1

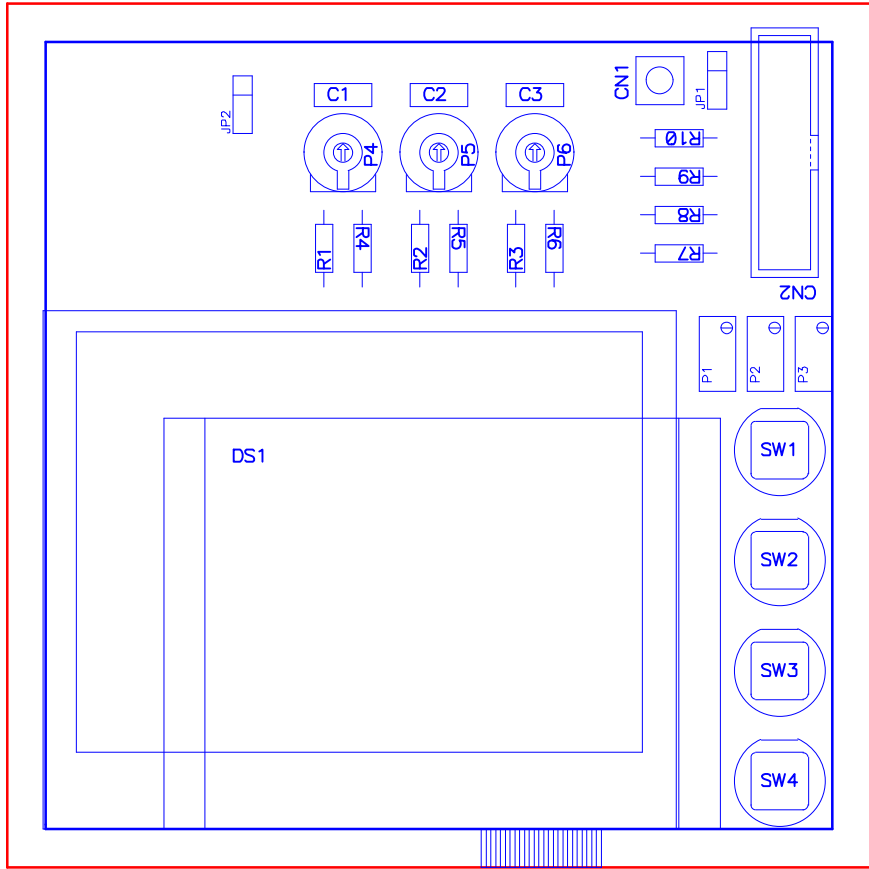


Single Unit 19" Rack
Reference Design for DigiPEG-RTX Board

By Tecnoroll BMB s.r.l.
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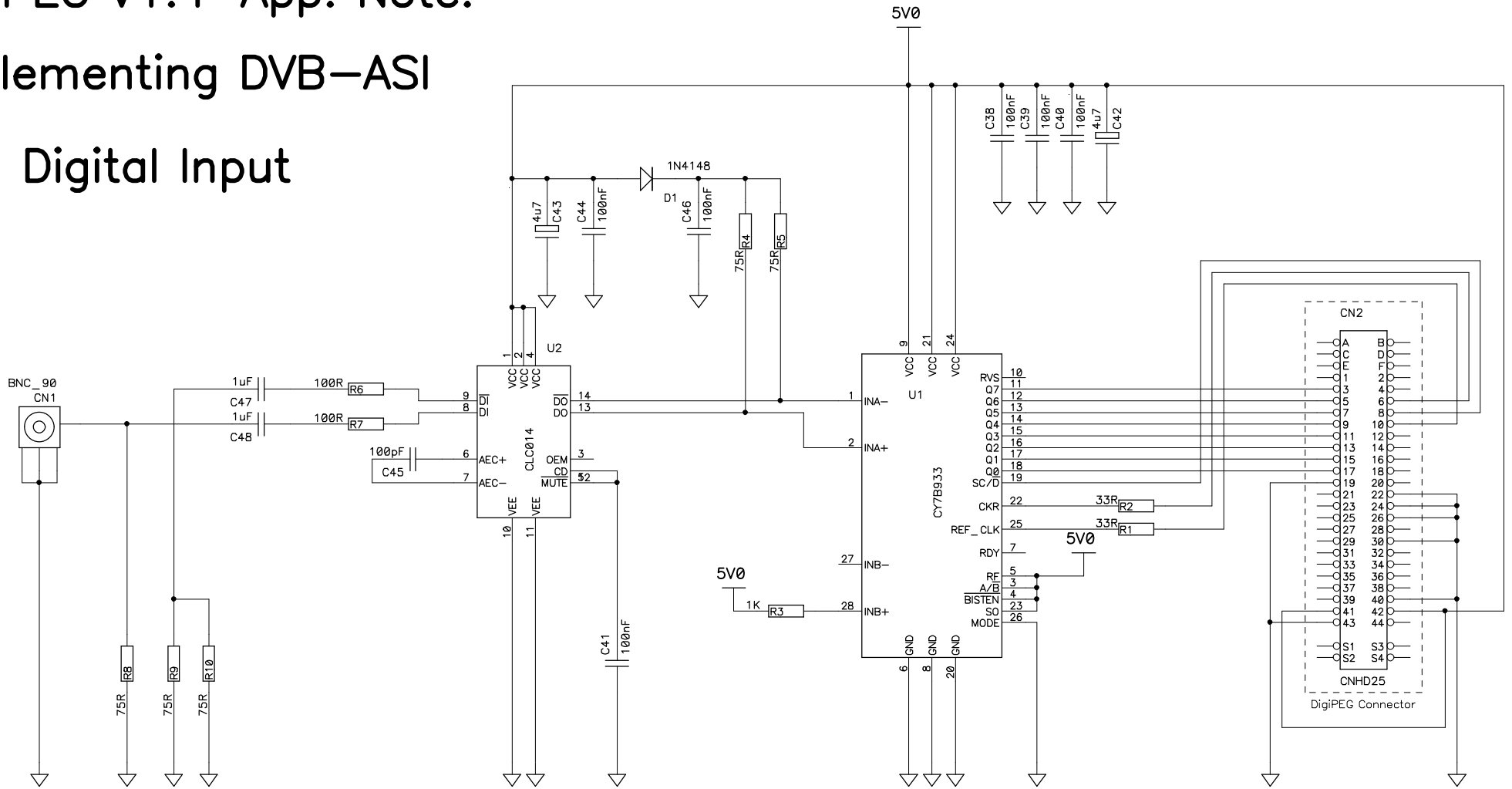
Project Name: DigiPEG Link		By Tecnoroll BMB srl Via Panzeri 11 Milano Italy www.tecnoroll.it
Number: Display Unit	Rev: 1.1	
Date: 23 Sept. 2003	Sheet: 1:1	Author: Lorenzo Bolla
Note:		





"DigiPEG V1.4" App. Note: Implementing DVB-ASI

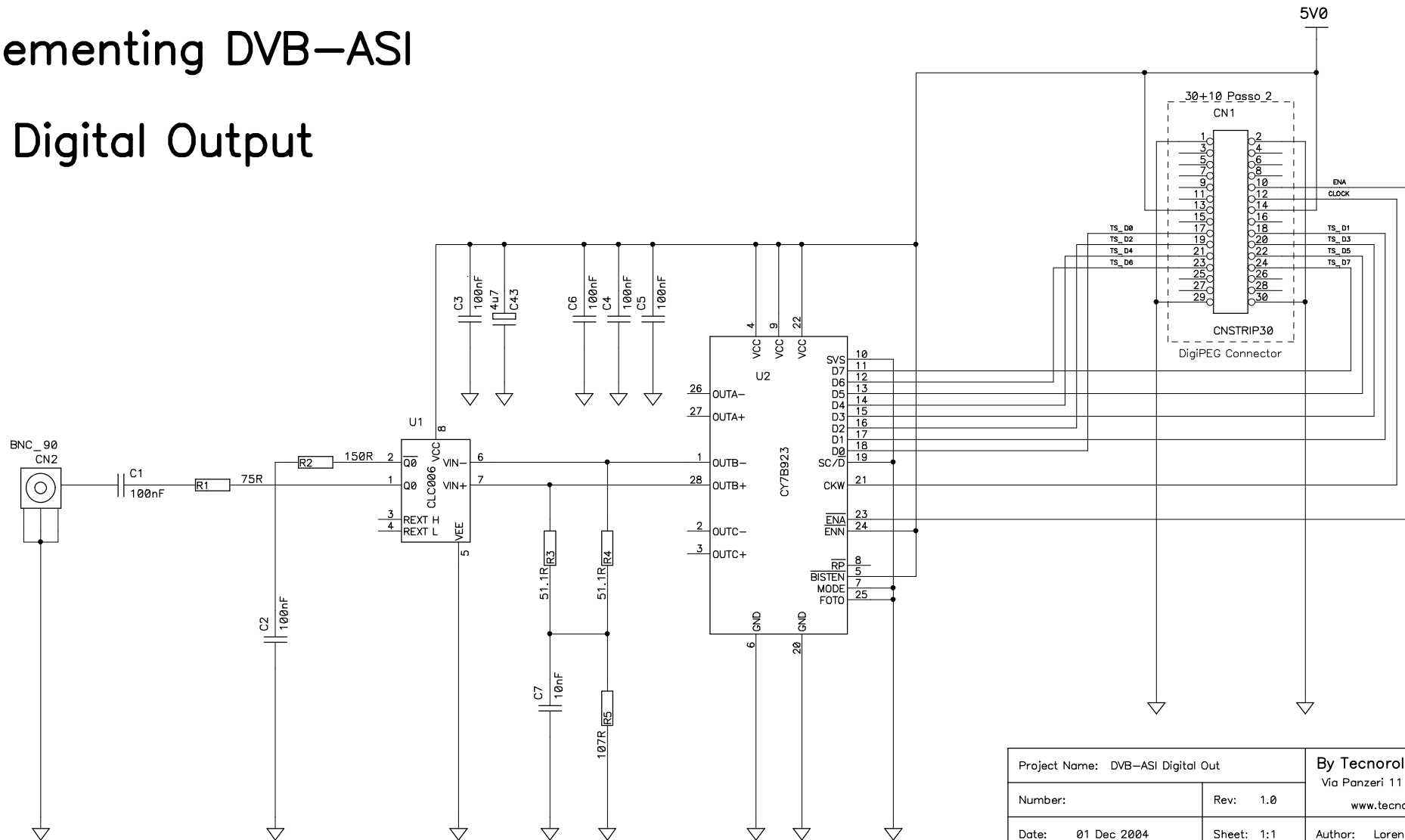
Digital Input



Project Name: DVB-ASI Digital input		By Tecnoroll BMB srl Via Panzeri 11 Milano Italy www.tecnoroll.it
Number:	Rev: 1.0	
Date: 01 Dec 2004	Sheet: 1:1	Author: Lorenzo Bolla
Note:		

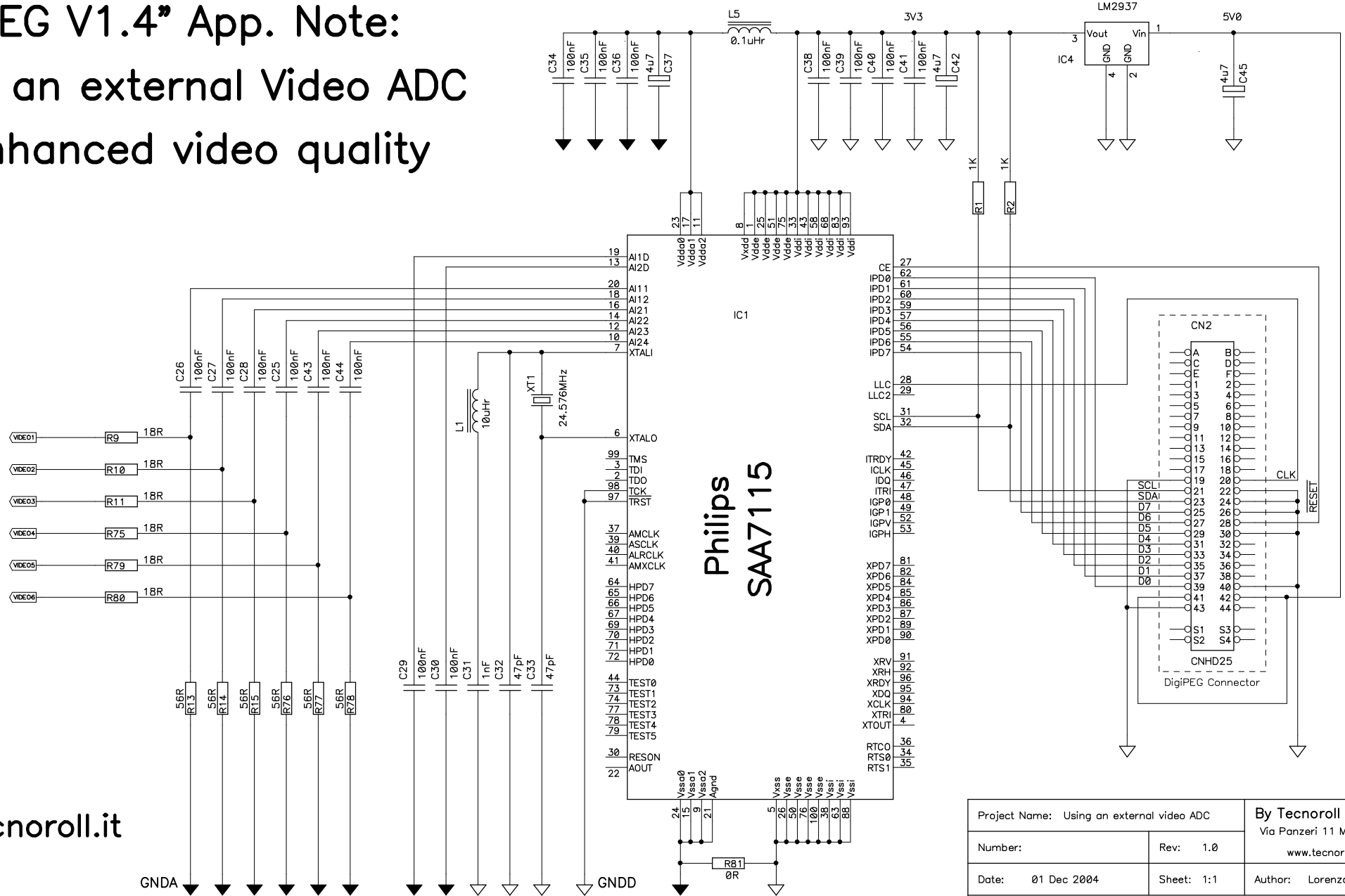
"DigiPEG V1.4" App. Note: Implementing DVB-ASI Digital Output

Digital Output



Project Name: DVB-ASI Digital Out		By Tecnoroll BMB srl Via Panzeri 11 Milano Italy www.tecnoroll.it
Number:	Rev: 1.0	
Date: 01 Dec 2004	Sheet: 1:1	Author: Lorenzo Bolla
Note:		

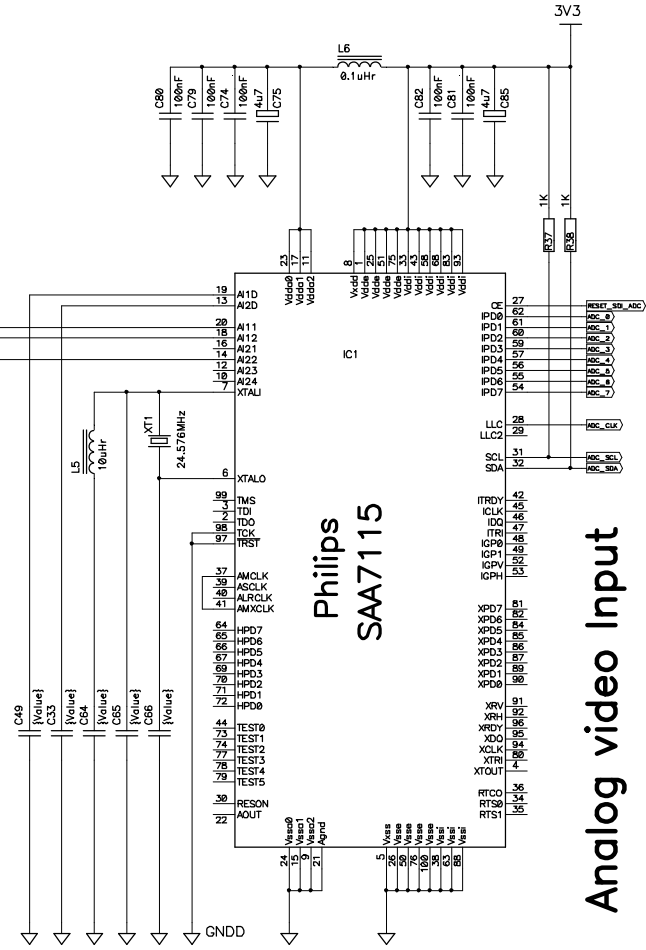
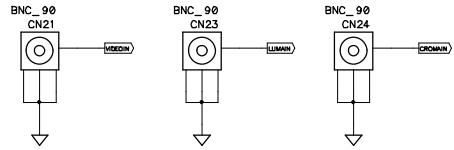
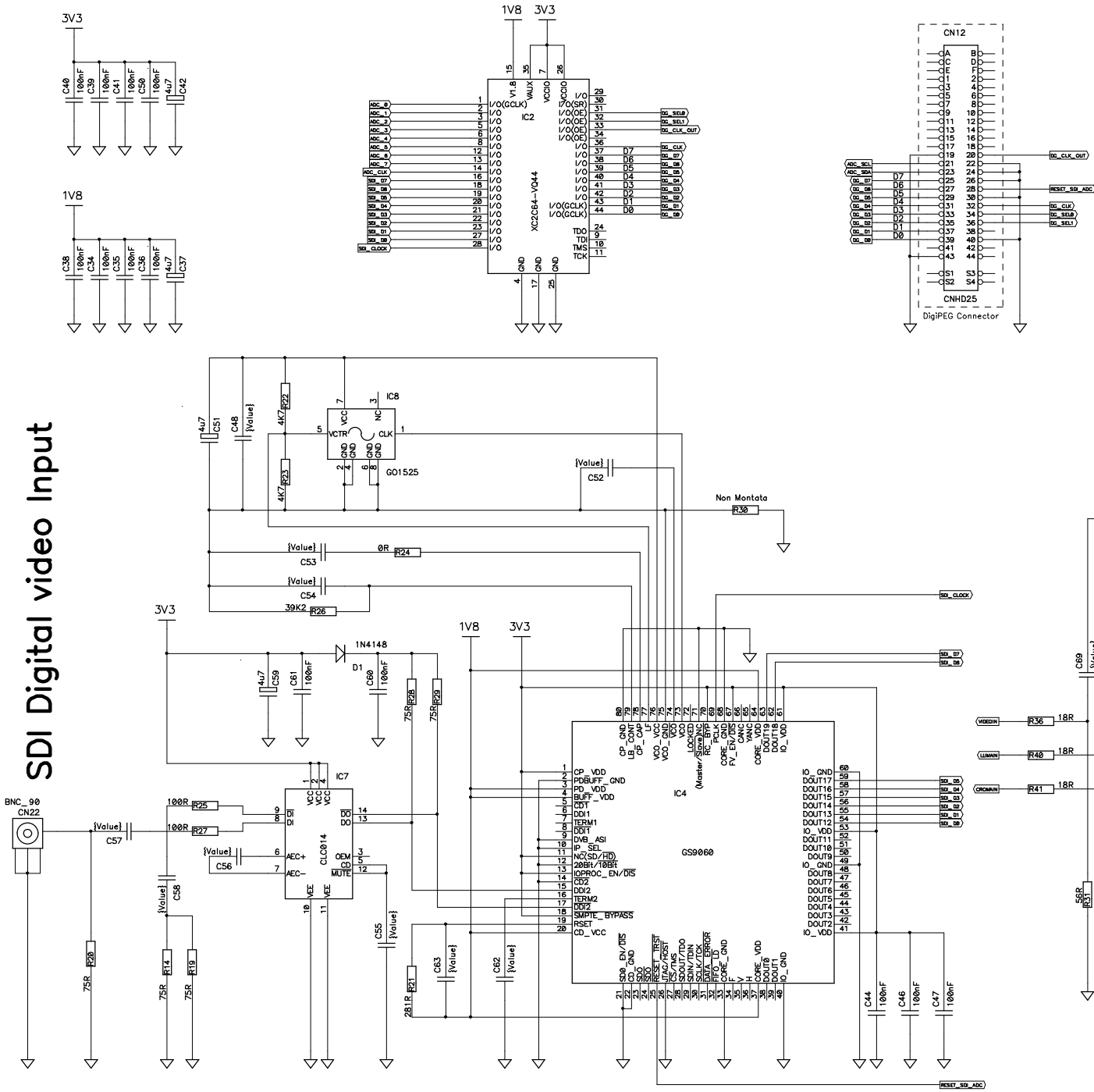
"DigiPEG V1.4" App. Note: Using an external Video ADC for enhanced video quality



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Project Name: Using an external video ADC		By Tecnoroll BMB srl	
Number:		Via Panzeri 11 Milano Italy	
Rev: 1.0		www.tecnoroll.it	
Date: 01 Dec 2004	Sheet: 1:1	Author: Lorenzo Bolla	
Note:			

SDI Digital video Input



Analog video Input

Project Name: Analog + SDI Input		By Tecnoroll BMB srl Via Panzeri 11 Milano Italy www.tecnoroll.it
Number:	Rev: 1.0	
Date: 01 Dec 2004	Sheet: 1:1	Author: Lorenzo Bola
Note: Example for switching between Analog and SDI Video inputs.		