PC REGLAGE

EXE

compteur

6602

NI PCI 6602

TEGLAGE / EXE

Borniers

CB-68LPR (compteur)

AZ1 AZ2 AZ3 AZ4 EL1 EL2

3x Connecteurs DISm à câbler

Rocheter 3 cables long 2,5/3m

DISm DISf EXE AZ1

DISm DISf EXE ~~AZ2~~ EL1

DISm DISf EXE ~~EL1~~ EL2

DISm DISf EXE AZ4

DISm DISf EXE ~~AZ4~~ AZ2

DISm DISf EXE ~~EL2~~ AZ3

CONVERTISSEURS

Carte EUROPE 100x160

DIN 41612 a+b+c

Alimentation +5V

EXE AZ1

EXE EL1

EXE EL2

EXE AZ4

EXE AZ2

EXE AZ3

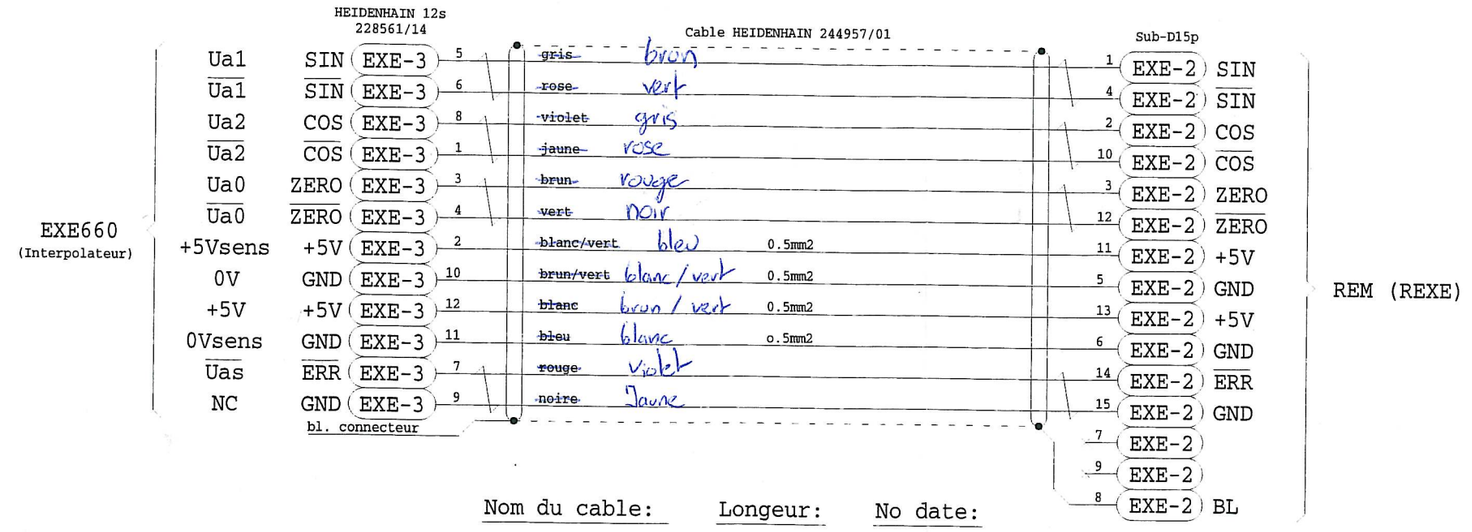
GAUCHE

DROITE

13/5/08 + CM

T4 Jouvence 2008

male

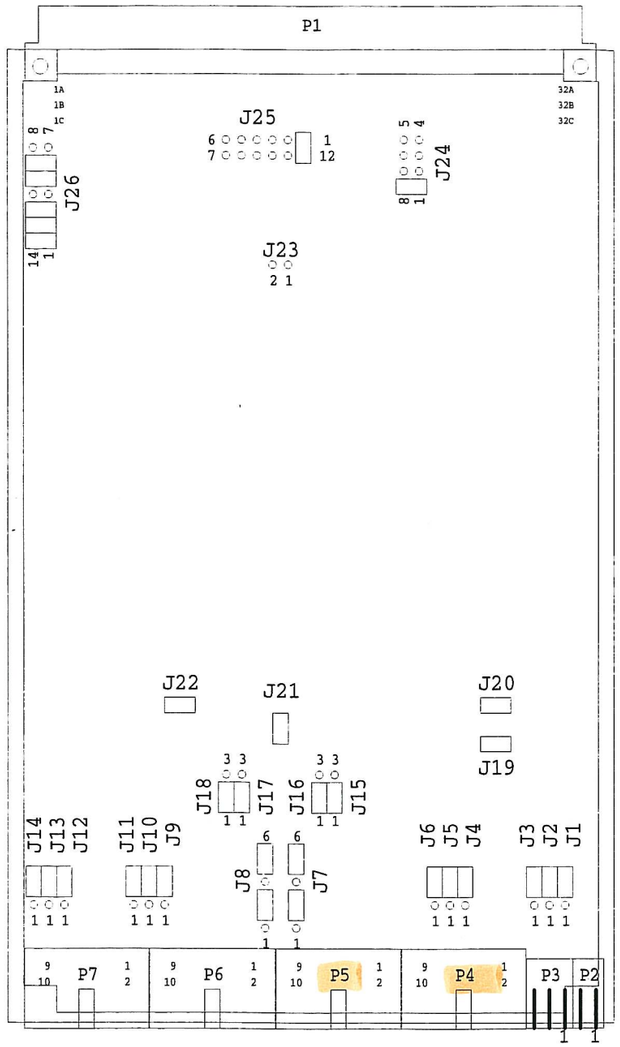


Nom du cable:	Longeur:	No date:
EXE A1	0.8m	180695
EXE A2	1m	190695
EXE A3	1m	200695
EXE A4	1m	210695
EXE E1	0.8m	220695
EXE E2	0.8m	230695

R	Observations : cblEXE.sch	Appareil No:			A4
C	Modifications:	Sheet No:			
L	6x CABLES EXE ..	Ech.	Dessine	O.Genevay	
D	A1,A2,A3,A4,E1,E2		Date	15.02.1996	
Q	CODEURS TELESCOPE	Page ./.	Etude	E.Ischi	
.			Revise	16.08.2000	
.	OBSERVATOIRE DE GENEVE Tel.(022) 755 26 11 / Fax.(022) 755 39 83	T4-CT			
.					

Câble entre boîtier Heidenhain et carte Raccordements Modules EXE

EXE



jumper OFF

jumper ON

J1144 J1143 J1142 J1141 ALIM => numerotation T4

JUMPERS IDENTIFICATION

J1	P4 A Single-ended or differential mode encoder	differential
J2	P4 B Single-ended or differential mode encoder	differential
J3	P4 TOPO Single-ended or differential mode encoder	differential
J4	P5 A Single-ended or differential mode encoder	differential
J5	P5 B Single-ended or differential mode encoder	differential
J6	P5 TOPO Single-ended or differential mode encoder	differential
J7	Power supply slection P4-P5	External
J8	Power supply slection P6-P7	External
J9	P6 A Single-ended or differential mode encoder	differential
J10	P6 B Single-ended or differential mode encoder	differential
J11	P6 TOPO Single-ended or differential mode encoder	differential
J12	P7 A Single-ended or differential mode encoder	differential
J13	P7 B Single-ended or differential mode encoder	differential
J14	P7 TOPO Single-ended or differential mode encoder	differential

ENCODER 0 =P4=J1141

1	A	SIN A3	tete A3 (azimut) codeur LIDA via carte REXE J1103 et module EXE A3
2	N.C.	NC	
3	B	COS A3	
4	$\bar{B}$	$\overline{\text{COS A3}}$	
5	TOPO	ZERO A3	
6	+5V	+5V A3	
7	$\bar{A}$	$\overline{\text{SIN A3}}$	
8	$\overline{\text{TOPO}}$	$\overline{\text{ZERO A3}}$	
9	0V	GND A3	
10	N.C.	NC	

ENCODER 1 =P5=J1142

1	A		NC
2	N.C.		
3	B		
4	$\bar{B}$		
5	TOPO		
6	+5V		
7	$\bar{A}$		
8	$\overline{\text{TOPO}}$		
9	0V		
10	N.C.		

P2=MEM-COUNTERS STORAGE

1	MEM-in <=	P2(2) de P113
2	MEM-out =>	NC

ENCODER 2 =P6=J1143

1	A	SIN A4	tete A4 (azimut) codeur LIDA via carte REXE J1105 et module EXE A4
2	N.C.	NC	
3	B	COS A4	
4	$\bar{B}$	$\overline{\text{COS A4}}$	
5	TOPO	ZERO A4	
6	+5V	+5V A4	
7	$\bar{A}$	$\overline{\text{SIN A4}}$	
8	$\overline{\text{TOPO}}$	$\overline{\text{ZERO A4}}$	
9	0V	GND A4	
10	N.C.	NC	

ENCODER 3 =P7=J1144

1	A		NC
2	N.C.		
3	B		
4	$\bar{B}$		
5	TOPO		
6	+5V		
7	$\bar{A}$		
8	$\overline{\text{TOPO}}$		
9	0V		
10	N.C.		

P3= ALIM1

1	0V ext.	GND	Alimentation externe counter
2	+5V ext.	+5V	
3	0V ext.	GND	ALIM1 du REM

JUMPERS IDENTIFICATION

J15	P4 (encoder0) selection of TPOP polarity	active high
J16	P5 (encoder1) selection of TPOP polarity	active high
J17	P6 (encoder2) selection of TPOP polarity	active high
J18	P7 (encoder3) selection of TPOP polarity	active high
J19	P5 (encoder1) count direction selection	ON
J20	P4 (encoder0) count direction selection	ON
J21	P6 (encoder2) count direction selection	ON
J22	P7 (encoder3) count direction selection	ON
J23	Synchronous/asynchronous mode	Asynchronous
J24	Interrupt operating mode selection	Single vectored interrupt Auto-vectored
J25	interrupt line selection	$\overline{\text{NMI}}$ (IRQ7)
J26	G96 VPA range select (module base selection)	H'0048

EXE

		Page No: 1/1	A3
Observations :		Appareil No: .	
Modifications:		Fichier : p114.pcb	
CONFIGURATION GESINC-4A P114. (AZIMUT) RACK ELECTRONIQUE MONTURE		Unite [mm]	Dessine O.Genevay
		Ech. 1/1	Date 15.12.1997
			Etude Russiniello
			Revise 9.1.98
OBSERVATOIRE DE GENEVE Ch.des Maillettes 51 CH-1290 SAUVERNY	FAX.(022)755 39 83 TEL.(022)755 26 11	T4-REM	

blanc SIN
brun COS
vert Zero
violet Erra

EXE A1 (SUB-D15f)

EXE A2 (SUB-D15f)

EXE A3 (SUB-D15f)

EXE A4 (SUB-D15f)

EXE E1 (SUB-D15f)

EXE E2 (SUB-D15f)

IC1 (DS26LS32ACN)

IC2 (DS26LS32ACN)

IC3 (DS26LS32ACN)

IC4 (DS26LS32ACN)

IC5 (DS26LS32ACN)

IC6 (DS26LS32ACN)

J1 Masse chassis / Plan de masse

1A 1B 1Z ERRA1 GND

GND 2A 2B 2Z ERRA2

3A 3B 3Z ERRA3 GND

GND 4A 4B 4Z ERRA4

5A 5B 5Z ERRE1 GND

GND 6A 6B 6Z ERRE2

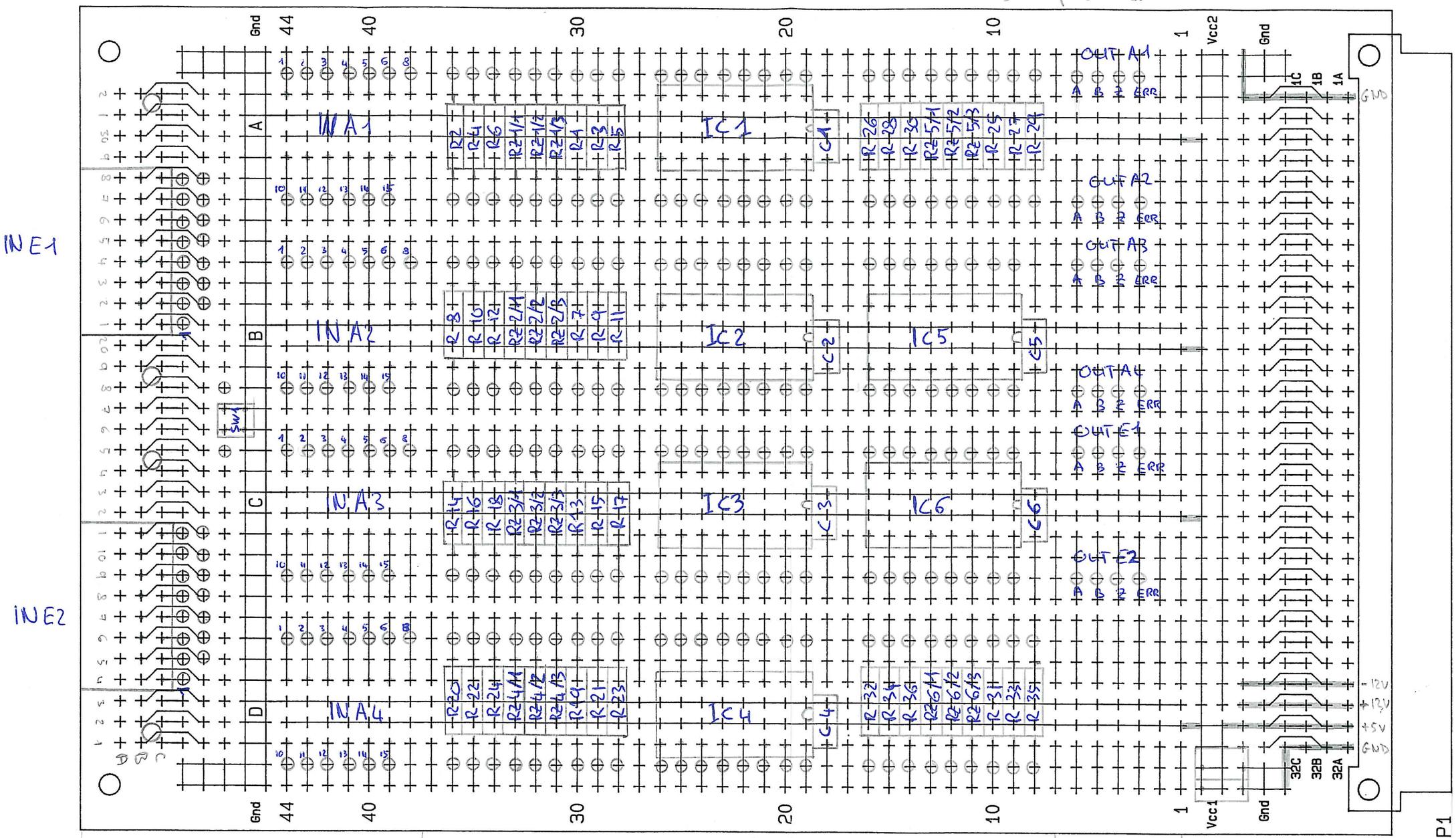
Vers bornier

(DIN41612)

Title	T4 JOUVENCE	
Size A1	Number Megevand Vincent	Revision
Date: 24.09.2018	Sheet 1 of 1	
File: C:\Documents and Settings\...\T4 JOUVEN1.SchDoc	Drawn By:	

ORIGINAL

la pin GND des sorties doit etre soudée directement sur la piste GND...



	Observations :	Appareil No:	
	Modifications: V-2991MT.PCB		
	T4 JOUVENCE	Ech. 2/1	Dessine MEGEVAND V.
			Date 18.09.2008
			Etude
			Revise
	OBSERVATOIRE DE GENEVE Tel. (022) 755 26 11 / Fax. (022) 755 39 83		