

978 References

Crates list = from top to bottom in the rack

Boards list = from left to right in the crate

Tower	Rack	Crate or Instrument	Board
EEROOM - EERoomRacks	EERack3	.	
		.	
		Power Supply +/-24V EER1-C1	
		Injection Crate EER1-C2	
		Chiller Crate EER1-C3	
		INJECTION POWER SUPPLY CRATE EER1-C4	
		Laser Diode Power Supply #PS2 EER1-C5	
		INJECTION POWER SUPPLY CRATE EER1-C6	
		Laser Diode Power Supply #PS1 EER1-C7	
EEROOM - EERoomRacks	EERack2	Laser Diode Temperature Crate EER1-C8	
		.	
		TDBB #01A EER2-C1	
		Network Switching EER2-C2	
		PIEZO EER2-C3-D1	
		PIEZO EER2-C3-D2	
		BMS DRIVER EER2-C4-D1	
		BMS DRIVER EER2-C4-D2	
		Nexus Amplifier NEX1	
		EER-box-BalUn(gain=1) U1	
		box 8 BNC to L3p U2	
		PP 9 BNC + 3 LEMO X 4 EER2-PP2	
		VME Crate _C30_ EER2-C7	RIO _ #30a
			DAC820 _ #58
			Timing _ #06
			ADC LAPP _ #02
			ADC LAPP _ #24
	ADC7674 _ #28		
	ADC7674 _ #15		
PP 9 BNC + 3 LEMO X 4 EER2-PP1			
VME Crate _C28_ EER2-C8	ADC7674 _ #25		
	ADC7674 _ #68		
PP 16 Lemo x 4 EER2-C9			
CENTRAL_BUILDING - BS	BS TOWER	.	
		FUNCTION GENERATOR U3	
		KERT POWER SUPPLY U4	
		PSD POWER SUPPLY U17	
		MOTOR CRATE BS-C1	
		EURO Crate _ BS-C2	COIL DRIVER NEW _ #05
			COIL DRIVER NEW _ #06
		NIM CRATE _ BS-C3	COIL DRIVER V1 _ BD41
			COIL DRIVER V1 _ BD42
			COIL DRIVER V1 _ BD43
			COIL DRIVER V1 _ BD44
		NIM CRATE _ BS-C4	ACCELEROMETER _ BD45
			ACCELEROMETER _ BD46
			LVDT _ BD47
			LVDT _ BD48
			LVDT _ BD49
			LVDT _ BD50
			COIL DRIVER V1 _ BD51
			COIL DRIVER V1 _ BD52
			COIL DRIVER V1 _ BD53
ACCEL PREAMP V1 BS-C5			
PP 15 LEMO X 4 BS-C6			
EURO CARD CRATE _ BS-C7	ACTUATOR/LVDT SPLITTER _ BD36		
	ACTUATOR/LVDT SPLITTER _ BD37		
	ACTUATOR/LVDT SPLITTER _ BD38		
	ACTUATOR/LVDT POWER SUPPLY _ BD39		
	APPLIED GEOMECHANICS _ BD40		
CAN MODULES U5			
RESISTORS BOX U6			
CENTRAL_BUILDING - DET	DET TOWER	.	
		FUNCTION GENERATOR U19	
		MOTOR CRATE DET-C1	
		NIM CRATE DET-C2	
		NIM CRATE _ DET-C3	COIL DRIVER V1 _ BD96
			COIL DRIVER V1 _ BD97
			COIL DRIVER V1 _ BD98
			COIL DRIVER V1 _ BD99
		ACCEL PREAMP V1 DET-C4	
		PP 16 LEMO X 3 DET-PP1	
		NIM CRATE _ DET-C5	ACCELEROMETER _ BD100
			ACCELEROMETER _ BD101
			LVDT _ BD102
	LVDT _ BD103		
	COIL DRIVER V1 _ BD104		
	COIL DRIVER V1 _ BD105		
	COIL DRIVER V1 _ BD106		
CENTRAL_BUILDING - Injection	INJ TOWER	.	
		FUNCTION GENERATOR U1	

Tower	Rack	Crate or Instrument	Board
		MOTOR CRATE _ Inj-C1	
		NIM CRATE _ Inj-C2	COIL DRIVER V1 _ BD1 COIL DRIVER V1 _ BD2 COIL DRIVER V1 _ BD3 COIL DRIVER V1 _ BD4
		NIM CRATE _ Inj-C3	COIL DRIVER V1 _ BD5 COIL DRIVER V1 _ BD6 COIL DRIVER V1 _ BD7 COIL DRIVER V1 _ BD8
		ACCEL PREAMP V1 _ Inj-C4	
		PP 16 LEMO X 3 _ Inj-C6	
		NIM CRATE _ Inj-C5	ACCELEROMETER _ BD9 ACCELEROMETER _ BD10 LVDT _ BD11 LVDT _ BD12 COIL DRIVER V1 _ BD13 COIL DRIVER V1 _ BD14 COIL DRIVER V1 _ BD15
		CENTRAL_BUILDING - NI	NI TOWER
FUNCTION GENERATOR _ U13			
KERT POWER SUPPLY _ U14			
PSD POWER SUPPLY _ U18			
MOTOR CRATE _ NI-C1			
EURO Crate_EGO-210-002 _ NI-C2	COIL DRIVER NEW _ #19 COIL DRIVER NEW _ #22		
NIM CRATE _ NI-C3	COIL DRIVER V1 _ BD81 COIL DRIVER V1 _ BD82 COIL DRIVER V1 _ BD83 COIL DRIVER V1 _ BD84		
NIM CRATE _ NI-C4	ACCELEROMETER _ BD87 ACCELEROMETER _ BD88 LVDT _ BD89 LVDT _ BD90 LVDT _ BD91 LVDT _ BD92 COIL DRIVER V1 _ BD93 COIL DRIVER V1 _ BD94 COIL DRIVER V1 _ BD95		
EURO CARD CRATE _ NI-C5	ACTUATOR/LVDT SPLITTER _ BD76 ACTUATOR/LVDT SPLITTER _ BD77 ACTUATOR/LVDT SPLITTER _ BD78 ACTUATOR/LVDT POWER SUPPLY _ BD79 APPLIED GEOMECHANICS _ BD80		
ACCEL PREAMP V1 _ NI-C6			
PP 15 LEMO X 4 _ NI-C7			
CAN MODULES _ U12			
RESISTORS BOX _ U11			
CENTRAL_BUILDING - PR	PR TOWER		
		PSD POWER SUPPLY _ U15	
		FUNCTION GENERATOR _ U2	
		MOTOR CRATE _ PR-C1	
		EURO CARD CRATE _ PR-C2	ACTUATOR/LVDT SPLITTER _ BD16 ACTUATOR/LVDT SPLITTER _ BD17 ACTUATOR/LVDT SPLITTER _ BD18 ACTUATOR/LVDT POWER SUPPLY _ BD19 APPLIED GEOMECHANICS _ BD20
		NIM CRATE _ PR-C3	COIL DRIVER V1 _ BD21 COIL DRIVER V1 _ BD22 COIL DRIVER V1 _ BD23 COIL DRIVER V1 _ BD24 COIL DRIVER V1 _ BD25 COIL DRIVER V1 _ BD26
		NIM CRATE _ PR-C4	ACCELEROMETER _ BD27 ACCELEROMETER _ BD28 LVDT _ BD29 LVDT _ BD30 LVDT _ BD31 LVDT _ BD32 COIL DRIVER V1 _ BD33 COIL DRIVER V1 _ BD34 COIL DRIVER V1 _ BD35
		ACCEL PREAMP V1 _ PR-C5	
		PP 15 LEMO X 4 _ PR-C6	
		CENTRAL_BUILDING - WI	WI TOWER
FUNCTION GENERATOR _ U9			
KERT POWER SUPPLY _ U10			
PSD POWER SUPPLY _ U16			
MOTOR CRATE _ WI-C1			
EURO Crate_EGO-210-001 _ WI-C2	COIL DRIVER NEW _ #12 COIL DRIVER NEW _ #15		
NIM CRATE _ WI-C3	COIL DRIVER V1 _ BD61		

Tower	Rack	Crate or Instrument	Board
			COIL DRIVER V1 _BD62
			COIL DRIVER V1 _BD63
			COIL DRIVER V1 _BD64
		NIM CRATE _ WI-C4	ACCELEROMETER _BD67
			ACCELEROMETER _BD68
			LVDT _BD69
			LVDT _BD70
			LVDT _BD71
			LVDT _BD72
			COIL DRIVER V1 _BD73
			COIL DRIVER V1 _BD74
		EURO CARD CRATE _ WI-C5	ACTUATOR/LVDT SPLITTER _BD56
			ACTUATOR/LVDT SPLITTER _BD57
			ACTUATOR/LVDT SPLITTER _BD58
			ACTUATOR/LVDT POWER SUPPLY _BD59
		APPLIED GEOMECHANICS _BD60	
ACCEL PREAMP V1 _WI-C6			
PP 15 LEMO X 4 _WI-C7			
CAN MODULES U8			
RESISTORS BOX U7			
MC - MCRacks	MC1	.	
		Quad Vision U2	
		PP 16 BNC MC1-C1	
		TDBB #04A MC1-C2	
		VME CRATE (7 SLOT) _ MC1-C3	TTL/OPT #03
			OPT/TTL #06
			OPT/TTL #05
			OPT/TTL #04
		VME CRATE (7 SLOT) _ MC1-C4	OPT/TTL #03
			ADC7674 _#09
		VME CRATE (7 SLOT) _ MC1-C5	Mux/Demux _#12
4 DB25 _BD1			
Magnetometer Crate MC1-C6			
rtpc #14 MC1-C7			
Power Supply +/-24V MC1-C8			
MC - MCRacks	MC2	.	
		Function Generator U1	
		Motor Crate MC2-C1	
		VME Crate _ MC2-C2	RIO #64a
			DSPV96C #14
			ADC816 #67
			DAC820 #61
			DOL #33
			ADC816 #60
			DSPV96C #17
			DAC820 #59
			DOL #21
			ADC816 #55
			DAC820 #62
			DOL #09
			RIO #64b
			Camera #23
		Timing #15	
		Motor driving Board _BD2	
		NIM CRATE _ MC2-C3	COIL DRIVER V1 _BD3
			COIL DRIVER V1 _BD4
COIL DRIVER V1 _BD5			
COIL DRIVER V1 _BD6			
COIL DRIVER V1 _BD7			
COIL DRIVER V1 _BD8			
NIM CRATE _ MC2-C4	ACCELEROMETER _BD9		
	ACCELEROMETER _BD10		
	LVDT _BD11		
	LVDT _BD12		
	COIL DRIVER V1 _BD13		
	COIL DRIVER V1 _BD14		
	COIL DRIVER V1 _BD15		
	COIL DRIVER V1 _BD16		
Accel Preamp v1 MC2-C5			
DETECTIONLAB - DET1	DET1 (Rack1)	.	
		Crate ADC7674 SN15 DET1-C9	
		LINEAR POWER SUPPLY SN17540	
		LINEAR POWER SUPPLY SN17541	
		RJ45 - 16 CONNECTORS DET1-C1	
		TDBB #03A DET1-C2	
		Detection Crate DET1-C3	
		Crate ADC7674_SN16 _ DET1-C4	LINEAR POWER SUPPLY _SN17545
			LINEAR POWER SUPPLY _SN17557
		PP 18 BNC <-> 18 Lemo DET1-C6	
		Crate_SN-12 _ DET1-C7	ADC7674 #40
ADC7674 #13			
ADC7674 #38			

Tower	Rack	Crate or Instrument	Board
		Crate_SN-11 _ DET1-C8	ADC7674 _ #30 ADC7674 _ #23 ADC7674 _ #16 ADC7674 _ #24 ADC7674 _ #56
DETECTIONLAB - DET2-DET3	DET2 (Rack3)	Power Supply fixed +-15V U4 Crate_C-33 _ DET2-C1	TEC POWER _ BD1 TEMPERATURE _ TH-1 SHUTTER 2 SLOTS _ BD2 SHUTTER 2 SLOTS _ BD3 Demodu 28KHz _ BD4 4 QUADRANTS _ #01 4 QUADRANTS _ #14 4 QUADRANTS _ #13 POWER SUPPLY BOARD 1 SLOT _ BD5
		Crate_C-32 _ DET2-C2	DETECTION DIODES BOARD _ #31 DETECTION DIODES BOARD _ #03 DETECTION DIODES BOARD _ #05 DETECTION DIODES BOARD _ #12 DETECTION DIODES BOARD _ #23 DETECTION DIODES BOARD _ #19 2 LO BOARD _ #05 2 LO BOARD _ #01 POWER SUPPLY BOARD 1 SLOT _ BD7
		Crate_C-31 _ DET2-C3	DETECTION DIODES BOARD _ #08 DETECTION DIODES BOARD _ #26 DETECTION DIODES BOARD _ #29 LO BOARD _ #10 POWER SUPPLY BOARD 1 SLOT _ BD8
		Crate_C-30 _ DET2-C4	DETECTION DIODES BOARD _ #13 DETECTION DIODES BOARD _ #20 LO BOARD _ #11 DETECTION DIODES BOARD _ #11 2/3 LO BOARD _ #03 DETECTION DIODES BOARD _ #32 2/3 LO BOARD _ #04 LO BOARD _ #13 DETECTION DIODES BOARD _ #21 DETECTION DIODES BOARD _ #06 LO BOARD _ #07 POWER SUPPLY BOARD 1 SLOT _ BD9
		SSFS Crate DET2-C5	
DETECTIONLAB - DET2-DET3	DET3 (Rack2)	Picomotor Driver U2 Stanford Ampli U3 Power 1 MC DET3-C1 Function Generator PM5193 DET3-C11 TDBB #02A DET3-C2 GALVO DRIVER #GALVO 5 DET3-C3 GALVO DRIVER #Galvo1p DET3-C4 Phase Camera Demodulation System #1 DET3-C5 Phase Camera Demodulation System #2 DET3-C6 VME Crate_C25 Detection Bench Control _ DET3-C7	RIO _ #25a ADC LAPP _ #09 ADC LAPP _ #16 DAC820 _ #23 DAC820 _ #03 DAC820 _ #09 ADC LAPP _ #03 Timing _ #27 RIO _ #25b CAMERA _ #10 CAMERA _ #11 CAMERA _ #13 CAMERA _ #14
		Power 1 Diode DET3-C8 POWER 2 DIODE DET3-C9 Power Supply DET3-C10	
LASERLAB - LAS1-LAS2-LAS3	LAS1	LNFS-100 _ LAS1/C1	SCOPE _ LAS1 SCOPE A SCOPE _ LAS1 SCOPE B
		Freq Divider Crate LAS1/C2 Mode Cleaner RampeAuto LAS1/C3 PMC RampeAuto LAS1/C4 Injection RampeAuto LAS1/C5 LaserLab Crate 1 LAS1/C6 LaserLab Crate 2 LAS1/C7 Alimentation Commande Bobine 1 LAS1/C8 Alimentation Commande Bobine 2 LAS1/C9	
LASERLAB - LAS1-LAS2-LAS3	LAS2	Power Supply +/-12/15/24 V LAS2/C1 PP 9 BNC + 3 Lemo x 4 LAS2/PP2 Power Supply LAS2/C2 PP 12 BNC X 4 LAS2/PP1 PP 16 LEMO X 4 LAS2/C3	

Tower	Rack	Crate or Instrument	Board
		CRATE _ LAS2/C4	DETECTION DIODES BOARD _ #04 DETECTION DIODES BOARD _ #02 LO BOARD _ #02 DETECTION DIODES BOARD _ #33 2/3 Lo Board _ #01 DETECTION DIODES BOARD _ #25 LO BOARD _ #12 DETECTION DIODES BOARD _ #27 2 LO BOARD _ #02 2 LO BOARD _ #03 COMP _ #28 power supply board 1 slot _ BD1
LASERLAB - LAS1-LAS2-LAS3	LAS3	GALVO DRIVER LAS3/C1 PSD Electronics LAS3/C2 PSD Driver LAS3/C3/D1 PP 12 BNC X 4 LAS3/C4 PP 12 BNC X 4 LAS3/C4 PP 12 BNC X 3 LAS3/PP3-1 PP 12 BNC X 3 LAS3/PP3-2 PP 12 BNC X 3 LAS3/PP3-3 PP 12 BNC x 2 LAS3/PP2 PP 12 BNC X 3 LAS3/PP1	
LASERLAB - LAS4-LB-EIB	EXTERNAL INJECTION BENCH	.	
LASERLAB - LAS4-LB-EIB	LASER BENCH	.	
LASERLAB - LAS4-LB-EIB	LAS4	Las4 BlackBox U1 LaserDiode Ampli LAS4/C1 Laser-RF Pwr Ampli LAS4/C2 Varian Minivac LAS4/C3/D2 MAXI GAUGE LAS4/C3/D1	
DAQ - R13	R13	RJ45 - 16 CONNECTORS R13-C1 TDBB #13A R13-C2 Translation Stage Controller Q1p1/Q1p2 - TSC1 R13-C3 TRANSLATION STAGE CONTROLLER Q21/Q22 - TSC2 R13-C4 Translation Stage Controller Q51/Q52 - TSC R13-C5 VME Crate_C35 _ R13-C6	COMP _ #07 QUADRANT RF _ #05 QUADRANT DEM_Q51 QUADRANT DEM_Q52 COMP _ #19 ADC7674 _ #54 QUADRANT RF _ #01 QUADRANT RF _ #02 QUADRANT DEM_Q21 QUADRANT DEM_Q22 COMP _ #24 ADC7674 _ #45 QUADRANT RF_BD16 QUADRANT RF_BD17 QUADRANT DEM_Q1p1 QUADRANT DEM_Q1p2 COMP _ #02 ADC7674 _ #43
		VME Crate_C34 _ R13-C7	RIO _ #34a TIMING _ #36 ADC LAPP _ #20 ADC LAPP _ #15 DAC820 _ #42 DAC820 _ #67 DAC820 _ #30 QUADRANT SHUTTER_BD18 QUADRANT SHUTTER_BD19 RIO _ #34b DAC820 _ #41 DOL _ #11 DOL _ #12
DAQ - R16_R15_R14	R14	RJ45 - 16 CONNECTORS R14-C1 TDBB #14A R14-C2 VME CRATE (7 SLOT) _ R14-C3	RIO _ #36b TIMING _ #52 RIO _ #36a
DAQ - R16_R15_R14	R15	RJ45 - 16 CONNECTORS R15-C1 TDBB #15A R15-C2 Crate OS9 Boot R15-C3 VME CRATE (7 SLOT) _ R15-C4	DAC820 _ #29 ADC816 _ #66 DSPV96C _ #37 RIO _ #21a
		VME Crate_C50 Detection Suspension Control _ R15-C5	RIO _ #50a DSP-NEW _ #06 ADC816 _ #15 DAC820 _ #27 ADC816 _ #19

Tower	Rack	Crate or Instrument	Board
			DSP-NEW #16 DAC820 #18 ADC816 BD14 RIO #50b CAMERA #20 TIMING #51 MOTOR DRIVING BOARD_BD15
DAQ - R16_R15_R14	R16	PP 16 LEMO X3 R15-C6 . RJ45 - 16 CONNECTORS R16-C1 TDBB #16A R16-C2 VME Crate_C11 Master Timing _ R16-C3 . RIO #11a TIMING #50 TTL/OPT #V2 1 TTL/OPT #V2 2 TTL/OPT #V2 7 TTL/OPT #V2 8 OPT/TTL #V2 7 OPT/TTL #V2 8 TIMING #46 TIMING #49 BC637 GPS_BD11 BC637 GPS_BD12	
DAQ - R19_R18_R17	R17	Crate Virgo (Timing Distrib) R16-C4 . RJ45 - 16 CONNECTORS R17-C1 RJ45 - 16 CONNECTORS R17-C2 NEXUS AMPLIFIER NEX1 NEXUS AMPLIFIER NEX nn NEXUS AMPLIFIER NEX2 NEXUS AMPLIFIER NEX4 MAGNETOMETER CRATE R17-C3 MAGNETOMETER CRATE R17-C4 VME Crate_VMPC38a Environmental Monitoring _ R17-C5 . VMP4A_BD6 TVM 923/A1_BD7 TVM 923/A1_BD8 TVM 923/A1_BD9 VMP4A_BD10 TDBB #17A R17-C6 VME CRATE (7 SLOT) _ R17-C7 . COMP #17 COMP #14 ADC LAPP #29 CAMERA #22 TIMING #54 RIO #57a CRATE _ R17-C8 . ADC7674 #46 ADC7674 #53 ADC7674 #49 ADC7674 #50 ADC7674 #47 ADC7674 #44	
DAQ - R19_R18_R17	R18	. RJ45 - 16 CONNECTORS R18-C12 PP 16 BNC x2 R18-C1 PP 16 BNC x1 R18-C2 PP 16 BNC x3 R18-C3 Optical Link 24 x 2 R18-C4 CRATE DUAL VIDEO TRANS R18-C5 CRATE DUAL VIDEO TRANS R18-C6 TDBB #18A R18-C11 VME CRATE (7 SLOT) _ R18-C7 . ADC7674 #08 DAC820 #28 TIMING #03 RIO #37a CRATE _ R18-C8 . LO BOARD #06 LO BOARD #08 4 QUADRANTS #09 4 QUADRANTS #12 Crate virgo R18-C9 POWER 6 DIODE R18-C10	
DAQ - R19_R18_R17	R19	. RJ45 - 16 CONNECTORS R19-C1 TDBB #19A R19-C2 VME Crate_C48 NI Suspension control _ R19-C3 . RIO #48a DSP-NEW #26 ADC816 #20 DAC820 #49 ADC816 #54 ADC816 #75 DSP-NEW #28 DAC820 #46 DAC820 #56 ADC816 #23 ADC816 #68 RIO #48b CAMERA #33	

Tower	Rack	Crate or Instrument	Board
			TIMING #10
			ADC816 #74
			MOTOR DRIVING BOARD_BD5
		PP 15 LEMO X4 R19-C4	
		Crate ADC7674_SNO2_R19-C5	
			Linear Power Supply_SN17548
			ADC7674_#39
DAQ - R22_R21_R20	R20	.	
		RJ45 - 16 CONNECTORS R20-C1	
		TDBB #20a R20-C2	
		VME Crate_C46 WI Suspension Control_R20-C3	
			RIO #46a
			DSP-NEW #10
			ADC816 #84
			DAC820 #71
			ADC816 #63
			ADC816 #62
			DSP-NEW #25
			DAC820 #57
			DAC820 #72
			ADC816 #12
			ADC816 #85
			RIO #46b
			CAMERA #25
			TIMING #09
			ADC816 #61
			MOTOR DRIVING BOARD_BD4
		PP 15 LEMO X4 R20-C4	
DAQ - R22_R21_R20	R21	.	
		RJ45 - 16 CONNECTORS R21-C1	
		TDBB #21a R21-C2	
		VME Crate_C44 BS Suspension Control_R21-C3	
			RIO #44a
			DSP-NEW #23
			ADC816 #34
			DAC820 #65
			ADC816 #37
			ADC816 #13
			DSP-NEW #18
			DAC820 #16
			ADC816 #10
			DAC820 #12
			ADC816 #48
			RIO #44b
			CAMERA #32
			TIMING #18
			ADC816 #51
			MOTOR DRIVING BOARD_BD3
		PP 15 LEMO X4 R21-C4	
DAQ - R22_R21_R20	R22	.	
		RJ45 - 16 CONNECTORS R22-C1	
		TDBB #22A R22-C2	
		VME CRATE (7 SLOT)_R22-C3	
			CAMERA #19
			CAMERA #18
			CAMERA #17
			CAMERA #16
			CAMERA #15
			CAMERA #38
			RIO #56a
		VME CRATE_C42 PR SUSPENSION CONTROL_R22-C4	
			RIO #42a
			DSP-NEW #15
			ADC816 #69
			DAC820 #04
			ADC816 #45
			ADC816 #26
			DSP-NEW #24
			DAC820 #11
			ADC816 #17
			ADC816 #35
			RIO #42b
			CAMERA #29
			TIMING #17
			ADC816 #47
			MOTOR DRIVING BOARD_BD2
		PP 15 LEMO X4 R22-C5	
DAQ - R25_R24_R23	R23	.	
		RJ45 - 16 CONNECTORS R23-C1	
		TDBB #23A R23-C2	
		VME Crate_C23_R23-C3	
			RIO #23a
			DSP-NEW #07
			ADC816 #82
			DAC820 #69
			DAC820 #45
			ADC816 #73
			ADC816 #02
			ADC816 #28
			ADC816 #46
		VME Crate_C40 Injection Suspension Control_R23-C4	
			RIO #40a
			DSP-NEW #01

Tower	Rack	Crate or Instrument	Board
			ADC816 #38 DAC820 #25 ADC816 #16 DSP-NEW #09 DAC820 #70 ADC816 #43 DAC820 #51 RIO #40b CAMERA #31 TIMING #28 MOTOR DRIVING BOARD _ BD1
		PP 16 LEMO X 3 R23-C5 PP 12 LEMO X 3 R23-C6 PP 12 LEMO X 3 R23-C7 PP 12 LEMO X 3 R23-C8	
DAQ - R25_R24_R23	R24	.	
		RJ45 - 16 CONNECTORS R24-C1 RJ45 - 16 CONNECTORS R24-C2 RJ45 - 16 CONNECTORS R24-C3 TDBB #24A R24-C4 rtpc #09 R24-C5 RTPC #08 R24-C6 rtpc #10 R24-C7 RTPC #04 R24-C8 RTPC #05 R24-C9 RTPC #03 R24-C10 rtpc #02 R24-C11 rtpc #15 R24-C12 rtpc #16 R24-C13	
DAQ - R25_R24_R23	R25	.	
		RJ45 - 16 CONNECTORS R25-C1 GPS SYNCHRONISATION GENERATOR R25-C2 GPS SYNCHRONISATION GENERATOR R25-C3 TDBB #03A R25-C4 TDBB #04A R25-C5 TDBB #05A R25-C6 TDBB #06A R25-C7 TDBB #07A R25-C8 VME CRATE _ R25-C9	MUX/DEMUX #13 MUX/DEMUX #14 MUX/DEMUX #15 MUX/DEMUX #16 MUX/DEMUX #17 MUX/DEMUX #18 MUX/DEMUX #19 MUX/DEMUX #20 MUX/DEMUX #07
		VME CRATE _ R25-C10	MUX/DEMUX #01 MUX/DEMUX #02 MUX/DEMUX #03 MUX/DEMUX #04 MUX/DEMUX #05 MUX/DEMUX #06 MUX/DEMUX #08
		OPTICAL LINK X 24 R25-C11 OPTICAL LINK X 24 R25-C12	
NE - NE3_CHRoCC	NE3	.	
		Translation Stage Controller Q71 Q72 NE3 C1 VME CRATE _ NE3_C2	RIO #72a DAC820 #18 Quadrant Shutter Q71 ADC LAPP #18 QUADRANT RF #03 QUADRANT DEM #03 QUADRANT DEM #01 H QUADRANT RF BD28 ADC LAPP #17 DAC820 #54 TIMING #34 RIO #72b CAMERA #34 CAMERA #35 TIMING #26 PHDETECT _ BD31
		Crate ADC7674_SN19 _ NE3-C3	Linear Power Supply _ SN17559
		Crate_SN17 _ NE3_C4	ADC7674 #10 ADC7674 #48
		Crate _ NE3_C5	DETECTION DIODES BOARD #15 DETECTION DIODES BOARD #35 Lo Board #03 4 QUADRANTS #10 Shutter 2 slots BD26 power supply board 1 slot BD27
		Power 6 ADC NE3 C6 TDBB #08A NE3-C7	
NE - NE3_CHRoCC	Rack CHRoCC NE	.	
		PP 10 L3p x 2 BP C1	



Tower	Rack	Crate or Instrument	Board
		CHRoCC protection U27	
		Kert Power Supply U26	
		DAT4035 U28	
		DAT4035 U29	
		DAT4035 U30	
		DAT4035 U31	
		DAT4035 U32	
		DAC-DIN-SIZE U33	
		DAC-DIN-SIZE U34	
		DAC-DIN-SIZE U35	
		DAC-DIN-SIZE U36	
NE - NE4_NE2_NE1	NE1	.	
		TDBB #08B NE1 C1	
		VME CRATE (7 SLOT) _ NE1_C2	TTL/OPT _ #04 OPT/TTL _ #23 OPT/TTL _ #24 OPT/TTL _ #25 OPT/TTL _ #36
		VME CRATE (7 SLOT) _ NE1_C3	MUX/DEMUX _ #11 MUX/DEMUX _ #22 MUX/DEMUX _ #21 DOL _ #85 DOL _ #74 RIO _ #79
		VME CRATE (7 SLOT) _ NE1_C4	ADC7674 _ #18 ADC7674 _ #17
		Magnetometer Crate NE1 C5	
		Nexus Amplifier NEX3	
		VME CRATE (7 SLOT) _ NE1_C6	4 DB25 DB25 TVM 923/A1 TVM VMP4A_VMP4a
		RTPC rtpc #21	
		RTPC rtpc #12	
NE - NE4_NE2_NE1	NE2	.	
		FUNCTION GENERATOR U23	
		Accel Preamp v1 NE2 C1	
		NIM CRATE _ NE2_C2	ACCELEROMETER _ BD1 ACCELEROMETER _ BD2 LVDT _ BD3 LVDT _ BD4 LVDT _ BD5 LVDT _ BD6 COIL DRIVER V1 BD7 COIL DRIVER V1 BD8 COIL DRIVER V1 BD9
		VME CRATE _ NE2_C3	RIO _ #76a DSPV96C _ #22 ADC816 _ #50 DAC820 _ #53 DOL _ #26 ADC816 _ #33 ADC816 _ #59 DSPV96C _ #38 DAC820 _ #52 DOL _ #62 ADC816 _ #53 DAC820 _ #34 ADC816 _ #57 RIO _ #76b CAMERA _ #28 TIMING _ #39 ADC816 _ #56 Motor driving Board _ BD30
		NIM CRATE _ NE2_C4	COIL DRIVER V1 _ BD10 COIL DRIVER V1 _ BD11 COIL DRIVER V1 _ BD12 COIL DRIVER V1 _ BD13 COIL DRIVER V1 _ BD14
		EURO Card box _ NE2_C5	ACTUATOR/LVDT SPLITTER _ BD15 ACTUATOR/LVDT SPLITTER _ BD16 ACTUATOR/LVDT SPLITTER _ BD17 Actuator/Lvdt power supply _ BD18 Tiltometer _ BD19
		Motor Crate NE2 C6	
NE - NE4_NE2_NE1	NE4	.	
		EURO CRATE _ NE4_C1	COIL DRIVER NEW _ SN1 COIL DRIVER NEW _ SN2
		CAN MODULES U24	
		Resistors Box U25	
		NIM CRATE _ NE4_C2	COIL DRIVER V1 _ BD20 COIL DRIVER V1 _ BD21 COIL DRIVER V1 _ BD22
WE - WE3, CHRoCC	WE3	.	

Tower	Rack	Crate or Instrument	Board	
		Translation Stage Controller Q81 Q82 WE3 C1		
		VME CRATE _ WE3_C2	RIO _ #82a	
			DAC820 _ #48	
			Quadrant Shutter _ Q81	
			ADC Lapp _ #14	
			DAC820 _ #24	
			QUADRANT RF _ #04	
			QUADRANT DEM NIKHEF _ BDQ81	
			QUADRANT DEM NIKHEF _ BDQ82	
			QUADRANT RF _ BD28	
			TIMING _ #37	
			RIO _ #82b	
			CAMERA _ #36	
			CAMERA _ #37	
	TIMING _ #12			
	PHDETECT _ BD29			
		GALVO DRIVER WE3 C3		
		Crate ADC7674 _SN18 _ WE3-C5		
			ADC7674 _ #20	
			ADC7674 _ #75	
		Crate _ WE3_C6		
			DETECTION DIODES BOARD _ #16	
			DETECTION DIODES BOARD _ #30	
			Lo Board _ #15	
			4 Quadrants _ #08	
			Shutter 2 slots _ BD26	
			power supply board 1 slot _ BD27	
			Power 4 Diodes WE3 C7	
			TDBB #09A WE3 C8	
		WE - WE3, CHRoCC	Rack CHRoCC WE	.
Crate ADC7674 _SN20 WE3-C4				
Linear Power Supply _ SN 17552				
PP 10 L3p x 2 BP C1				
CHRoCC protection U24				
Kert Power Supply U23				
DAT4035 U25				
DAT4035 U26				
DAT4035 U27				
DAT4035 U28				
DAT4035 U29				
DAC-DIN-SIZE U30				
DAC-DIN-SIZE U31				
DAC-DIN-SIZE U32				
DAC-DIN-SIZE U33				
WE - WE4_WE2_WE1	WE1	.		
		TDBB #09B WE1 C6		
		VME CRATE (7 SLOT) _ WE1_C1	TTL/OPT _ #05	
			OPT/TTL _ #27	
			OPT/TTL _ #28	
			OPT/TTL _ #29	
			OPT/TTL _ #30	
		VME CRATE (7 SLOT) _ WE1_C2	MUX/DEMUX _ #10	
			MUX/DEMUX _ #24	
			MUX/DEMUX _ #23	
			DOL _ #93	
			DOL _ #42	
			RIO _ #89a	
		VME CRATE (7 SLOT) _ WE1_C3	ADC7674 _ #12	
	ADC7674 _ #11			
Magnetometer Crate WE1 C4				
VME CRATE (7 SLOT) _ WE1_C5	4 DB25 _ DB25			
	TVM 923/A1 TVM			
	VMP4a _ VMP4a			
	RTPC rtpc #22			
	RTPC rtpc #13			
WE - WE4_WE2_WE1	WE2	.		
		FUNCTION GENERATOR U20		
		Accel Preamp v1 WE2 C1		
		NIM CRATE _ WE2_C2	ACCELEROMETER _ BD1	
			ACCELEROMETER _ BD2	
			LVDT _ BD3	
			LVDT _ BD4	
			LVDT _ BD5	
			LVDT _ BD6	
			COIL DRIVER V1 _ BD7	
			COIL DRIVER V1 _ BD8	
			COIL DRIVER V1 _ BD9	
		VME CRATE _ WE2_C3	RIO _ #86a	
			DSPV96C _ #48	
	ADC816 _ #65			
	ADC816 _ #78			
	DOL _ #30			
	DAC820 _ #31			
	ADC816 _ #76			
	ADC816 _ #77			
	DSPV96C _ #03			

Tower	Rack	Crate or Instrument	Board
			DAC820 #46
			DOL #63
			ADC816 #79
			DAC820 #66
			ADC816 #80
			RIO #86b
			CAMERA #05
			TIMING #04
			ADC816 #81
			Motor driving Board_BD30
		NIM CRATE _ WE2_C4	COIL DRIVER V1 _ BD10
			COIL DRIVER V1 _ BD11
			COIL DRIVER V1 _ BD12
			COIL DRIVER V1 _ BD13
		EURO Card box _ WE2_C5	
			ACTUATOR/LVDT SPLITTER _ BD15
			ACTUATOR/LVDT SPLITTER _ BD16
			ACTUATOR/LVDT SPLITTER _ BD17
			Actuator/Lvdt power supply _ BD18
			Tiltometer _ BD19
		Motor Crate WE2_C6	
WE - WE4_WE2_WE1	WE4	EURO Crate_EGO-210-001 _ WE4_C1	COIL DRIVER NEW _ SN4
			COIL DRIVER NEW _ SN3
		CAN MODULES U21	
		Resistors Box U22	
		NIM CRATE _ WE4_C2	
			COIL DRIVER V1 _ BD20
			COIL DRIVER V1 _ BD21
			COIL DRIVER V1 _ BD22
TCS - TCS1	TCS1	.	
		Power Supply +-20V U1	
		PP 8 L6p TCS1-C1	
		CAN-Gateway U20	
		DAT2115 U14	
		DAT2115 U15	
		DAT2115 U16	
		DAT4035 U9	
		DAT4035 U10	
		DAT4035 U11	
		DAT4035 U12	
		DAT4035 U13	
		DAC-DIN-SIZE U17	
		DAC-DIN-SIZE U18	
		DAC-DIN-SIZE U19	
		TCS - AOM Driver U2	
		TCS - RF Driver U5	
		TCS - RF Driver Controller U3	
		TCS - RF Driver PS U4	
		PLC U8	
		Bridge Serial-Rly U7	
		BRIDGE ETH-SERIAL U6	

total number of elements	929
2 LO BOARD	4
2/3 LO BOARD	3
4 DB25	3
4 QUADRANTS	7
ACCEL PREAMP V1	9
ACCELEROMETER	18
ACTUATOR/LVDT POWER SUPPLY	6
ACTUATOR/LVDT SPLITTER	18
ADC LAPP	11
ADC7674	32
ADC816	52
Alimentation Commande Bobine	2
APPLIED GEOMECHANICS	4
BC637 GPS	2
BMS DRIVER	2
box 8 BNC to L3p	1
Camera	24
CAN MODULES	5
CAN-Gateway	1
CHRoCC protection	2
COIL DRIVER NEW	10
COIL DRIVER V1	79
COMP	7
Crate	12
Crate ADC7674	6
CRATE DUAL VIDEO TRANS	2
Crate OS9 Boot	1
Crate virgo	1
Crate Virgo (Timing Distrib)	1
DAC820	41
DAC-DIN-SIZE	11
DAT2115	3
DAT4035	15
Demodu 28KHz	1
Detection Crate	1
DETECTION DIODES BOARD	24
DOL	13
DSP-NEW	13
DSPV96C	7
EER-box-BalUn(gain=1)	1
EURO Card box	2
EURO CARD CRATE	4
EURO Crate	5
Freq Divider Crate	1
FUNCTION GENERATOR	9
Function Generator PMS193	1
GALVO DRIVER	4
GPS SYNCHRONISATION GENERATOR	2
INJECTION POWER SUPPLY CRATE	5
Injection RampeAuto	1
KERT POWER SUPPLY	5
Las4 BlackBox	1
Laser Diode Power Supply	2
Laser Diode Temperature Crate	1
LaserDiode Ampli	1
LaserLab Crate 1	1
LaserLab Crate 2	1
Laser-RF Pwr Ampli	1
LINEAR POWER SUPPLY	7
LNFS-100	1
LO BOARD	10
LVDT	30
Magnetometer Crate	5
MAXI GAUGE	1
Mode Cleaner RampeAuto	1
MOTOR CRATE	9
Motor driving Board	9
Mux/Demux	23
Network Switching	1
Nexus Amplifier	6
NIM CRATE	22
OPT/TTL	14
Optical Link 24 x 2	1
OPTICAL LINK X 24	2
Phase Camera Demodulation System	2
PHDETECT	2
Picomotor Driver	1
PIEZO	2
PMC RampeAuto	1
Power Diode crate	8
Power Supply +/-12/15/24 V	1
Power Supply +/-24V	1
Power Supply +-20V	1
POWER SUPPLY BOARD 1 SLOT	7
Power Supply fixed +-15V	1
PP (PatchPanels)	36
PSD Driver	1
PSD Electronics	1

total number of elements	929
PSD POWER SUPPLY	4
Quad Vision	1
QUADRANT DEM	8
QUADRANT DEM NIKHEF	2
QUADRANT RF	9
QUADRANT SHUTTER	4
RESISTORS BOX	5
RIO	37
RJ45 - 16 CONNECTORS	17
rtpc	14
SCOPE	2
SHUTTER 2 SLOTS	4
SSFS Crate	1
Stanford Ampli	1
TCS - AOM Driver	1
TDBB (Timing Distribution)	25
TEC POWER	1
TEMPERATURE	1
Tiltometer	2
Timing	22
Translation Stage Controller	5
TTL/OPT	7
TVM 923/A1	5
Varian Minivac	1
VME Crate	21
VME CRATE (7 SLOT)	16
VMP4A	4

WARNING, identical ref in line 471 and line 718 (DAC820 \_ #18)  
WARNING, identical ref in line 557 and line 935 (DAC820 \_ #46)  
WARNING, identical ref in line 781 and line 907 (4 DB25 \_ DB25)  
WARNING, identical ref in line 782 and line 908 (TVM 923/A1 \_ TVM)