



PN1
EtherCAT chassis
LIGO
D0902552-v1

PN4
Name Plate
LIGO
D0902589-v1-C

PN2
Ethernet patch cable

PN3
Ethernet patch cable

PN5
Ethernet patch cable

PN6
Ethernet patch cable
Newark
21M5658

Slots

1	2	3	4	5	6	7	8
PN7 Adapter panel LIGO D0902557-v1	PN8 Adapter panel LIGO D0902557-v1	PN9 Adapter panel LIGO D0902557-v1	PN10 Adapter panel LIGO D0902606-v1-A	PN11 Adapter panel LIGO D0902606-v1-A	PN12 Adapter panel LIGO D0902605-v1	PN13 Adapter panel LIGO D0902587-v1-A	PN14 Adapter panel LIGO D0902587-v1-B
			PN15 DB37M adapter LIGO D0902569-v1	PN16 DB37M adapter LIGO D0902569-v1	PN17 DB37M adapter LIGO D0902569-v1	PN18 DB25F adapter LIGO D0902568-v1	PN19 DB25F adapter LIGO D0902568-v1
			E1 #6-32 1/4" flat McMaster-Carr 91099A205	E2 #6-32 1/4" flat McMaster-Carr 91099A205	E3 #6-32 1/4" flat McMaster-Carr 91099A205	E4 #6-32 1/4" flat McMaster-Carr 91099A205	E5 #6-32 1/4" flat McMaster-Carr 91099A205
			E6 #6-32 1/4" flat McMaster-Carr 91099A205	E7 #6-32 1/4" flat McMaster-Carr 91099A205	E8 #6-32 1/4" flat McMaster-Carr 91099A205	E9 #6-32 1/4" flat McMaster-Carr 91099A205	E10 #6-32 1/4" flat McMaster-Carr 91099A205

Blank Blank Blank Auxiliary A Auxiliary B RF Amp
PD Interface Delay A Delay B

Title		Control Chassis C	
Size	Number	Revision	
B	D0902580	A	
Date:	4/3/2010	Sheet 1 of 4	
File:	C:\Users\...\CtrlChassisC1.SchDoc	Drawn By:	Daniel Sigg

B2
5V/0.6A isolated DC-DC converter, Omron S82S-7305



B1
EK1101
Beckhoff EtherCAT coupler w/ ID switch



B3
EL2124
4-channel digital output terminals, 5V



B4
EL2124
4-channel digital output terminals, 5V



B5
EL2124
4-channel digital output terminals, 5V



B6
EL2124
4-channel digital output terminals, 5V



B7
EL2124
4-channel digital output terminals, 5V



B8
EL9400
Power supply terminals for E-bus



B9
EL3102
2-channel analog input terminals, differential, 16 bits



B10
EL3102
2-channel analog input terminals, differential, 16 bits



B11
EL3102
2-channel analog input terminals, differential, 16 bits



B12
EL3102
2-channel analog input terminals, differential, 16 bits



B13
EL3102
2-channel analog input terminals, differential, 16 bits



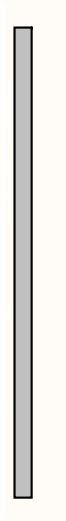
B14
EL3102
2-channel analog input terminals, differential, 16 bits



B15
EL3102
2-channel analog input terminals, differential, 16 bits



B16
EL3102
2-channel analog input terminals, differential, 16 bits



B17
EL3102
2-channel analog input terminals, differential, 16 bits



B18 (B17)
EL9011 End cap



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Ebus 24V
Power contacts 5V

24V
24V

Delay line A/B PD RF Amp

Title		
Control Chassis C: Left Rail		
Size	Number	Revision
B	D0902580	A
Date:	4/3/2010	Sheet 2 of 4
File:	C:\Users\...\CtrlChassisC2.SchDoc	Drawn By: Daniel Sigg

B19
5V/0.6A isolated DC-DC converter, Omron S82S-7305

B20
EK1100
Beckhoff EtherCAT coupler

B21
EL4132
2-channel analog output terminals, differential, 16 bits

B22
EL4132
2-channel analog output terminals, differential, 16 bits

B23
EL4132
2-channel analog output terminals, differential, 16 bits

B24
EL4132
2-channel analog output terminals, differential, 16 bits

B25
EL3102
2-channel analog input terminals, differential, 16 bits

B26
EL3102
2-channel analog input terminals, differential, 16 bits

B27
EL3102
2-channel analog input terminals, differential, 16 bits

B28
EL3102
2-channel analog input terminals, differential, 16 bits

B29
EL9400
Power supply terminals for E-bus

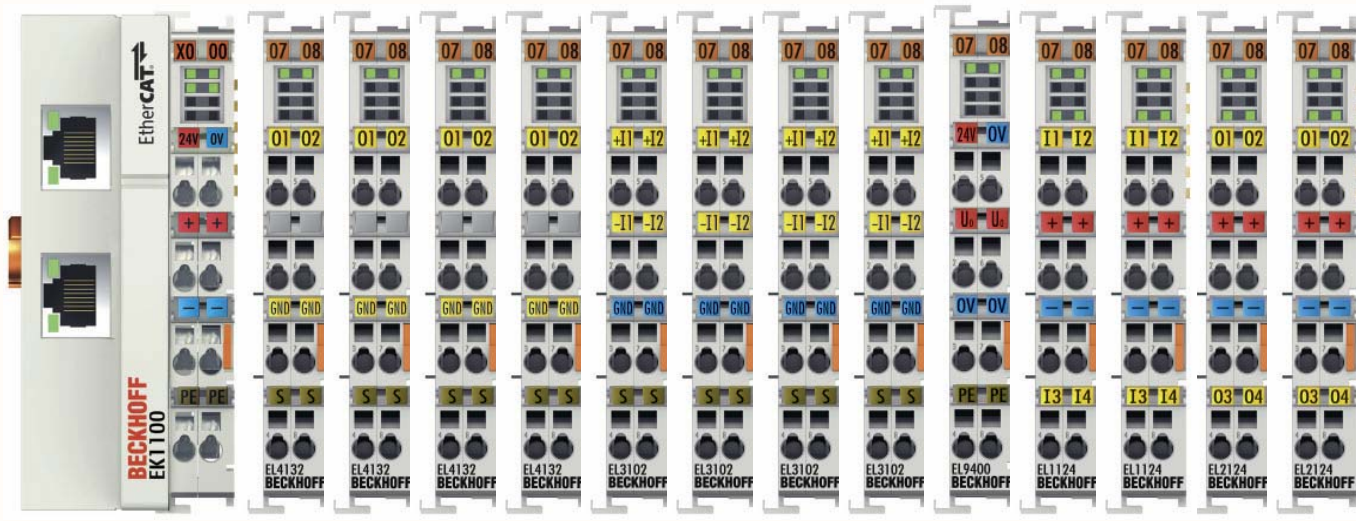
B30
EL1124
4-channel digital input terminals, 5V

B31
EL1124
4-channel digital input terminals, 5V

B32 (B3)
EL2124
4-channel digital output terminals, 5V

B33 (B3)
EL2124
4-channel digital output terminals, 5V

B34
EL9011
End cap



0 1 2 3 4 5 6 7 8 9 10 11 12 13

Ebus 24V
Power contacts 24V

24V
5V

Auxiliary A/B

Title			Control Chassis C: Middle Rail		
Size	Number			Revision	
B	D0902580			A	
Date:	4/3/2010	Sheet 3 of 4			
File:	C:\Users\...\CtrlChassisC3.SchDoc	Drawn By: Daniel Sigg			

B35
5V/0.6A isolated DC-DC converter, Omron S82S-7305



B36
EK1100
Beckhoff EtherCAT coupler



B37
EL9011
End cap



0

Ebus 24V
Power contacts 24V

Spare

B38
24V/4.2A power supply, Sola HD SDP4-24



Title		
Control Chassis C: Right Rail		
Size	Number	Revision
B	D0902580	A
Date:	4/3/2010	Sheet 4 of 4
File:	C:\Users\...\CtrlChassisC4.SchDoc	Drawn By: Daniel Sigg