

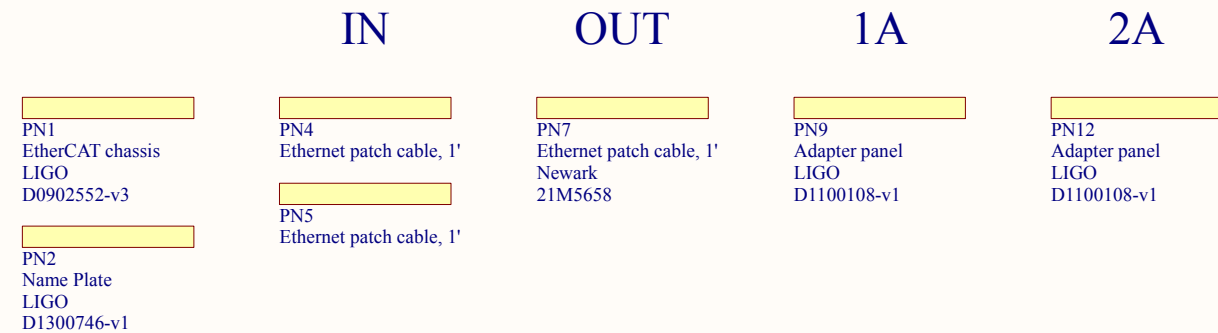


Mount the terminal block on spare DIN rail space.  
Use the terminal block to distribute the 24V supply.

This EtherCAT chassis uses copper only.  
Mount the modular adapters to the front panel.  
Using CAT5 patch cables:

- Connect the front panel input to the first coupler (left rail).
- Connect the output of the first coupler to the input of the second one.
- Connect the front panel output to the output of the second coupler (middle rail).

### Ports



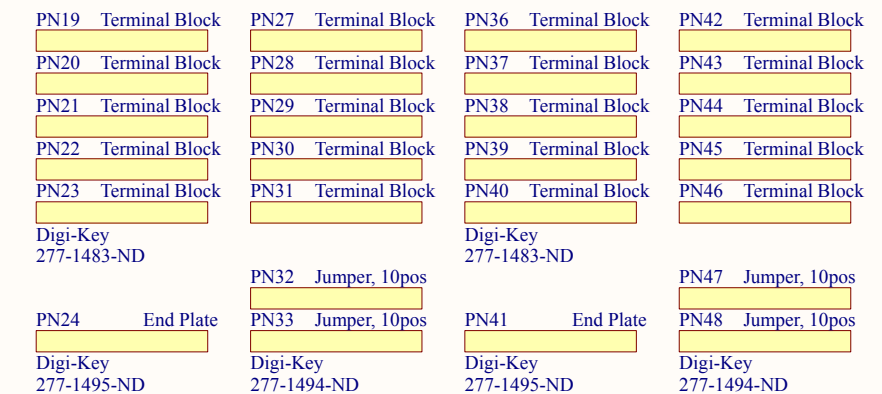
CAT5  
Corner

CAT5  
Corner

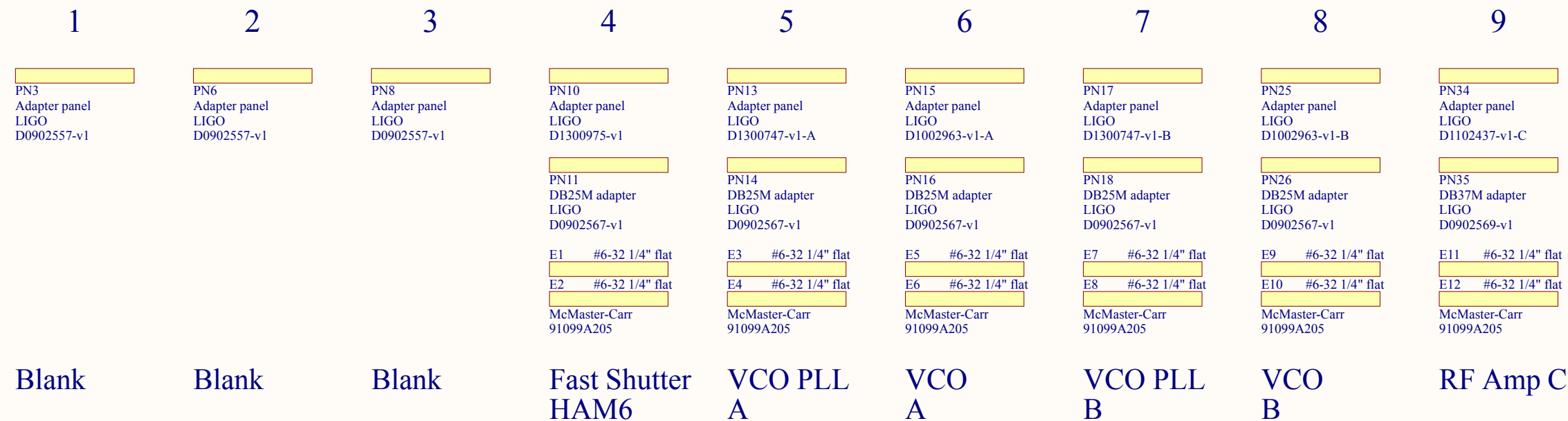
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### TBLOCK

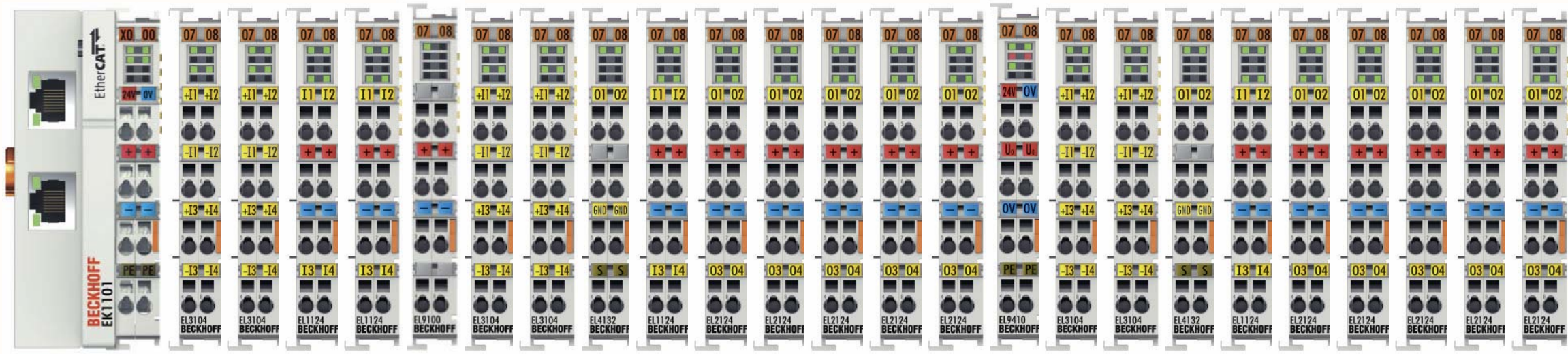


### Slots



Title <b>EtherCAT Corner 6</b>		
Size B	Number <b>D1300745</b>	Revision <b>2</b>
Date: 1/22/2014	Sheet 1 of 4	
File: D:\Users\...\EtherCATCornerF1.SchDoc	Drawn By: Daniel Sigg	

- B1 5V/0.6A isolated DC-DC converter, Omron S82S-7305
- B2 EK1101 EtherCAT coupler w/ ID switch
- B3 EL3104 4-channel analog input terminals, differential, 16 bits
- B4 EL3104 4-channel analog input terminals, differential, 16 bits
- B5 EL1124 4-channel digital input terminals, 5V
- B6 EL1124 4-channel digital input terminals, 5V
- B7 EL9190 Feed terminal, arbitrary voltage
- B8 EL3104 4-channel analog input terminals, differential, 16 bits
- B9 EL3104 4-channel analog input terminals, differential, 16 bits
- B10 EL4132 2-channel analog output terminals, differential, 16 bits
- B11 EL1124 4-channel digital input terminals, 5V
- B12 EL2124 4-channel digital output terminals, 5V
- B13 EL2124 4-channel digital output terminals, 5V
- B14 EL2124 4-channel digital output terminals, 5V
- B15 EL2124 4-channel digital output terminals, 5V
- B16 EL2124 4-channel digital output terminals, 5V
- B17 EL9410 Power supply terminals for E-bus, diagnostics
- B18 EL3104 4-channel analog input terminals, differential, 16 bits
- B19 EL3104 4-channel analog input terminals, differential, 16 bits
- B20 EL4132 2-channel analog output terminals, differential, 16 bits
- B21 EL1124 4-channel digital input terminals, 5V
- B22 EL2124 4-channel digital output terminals, 5V
- B23 EL2124 4-channel digital output terminals, 5V
- B24 EL2124 4-channel digital output terminals, 5V
- B25 EL2124 4-channel digital output terminals, 5V
- B26 EL2124 4-channel digital output terminals, 5V
- B27 EL9011 End cap
- B28 5V/0.6A isolated DC-DC converter, Omron S82S-7305
- B29 5V/0.6A isolated DC-DC converter, Omron S82S-7305



Ebus 24V  
 Power contacts 5V

24V  
 5V

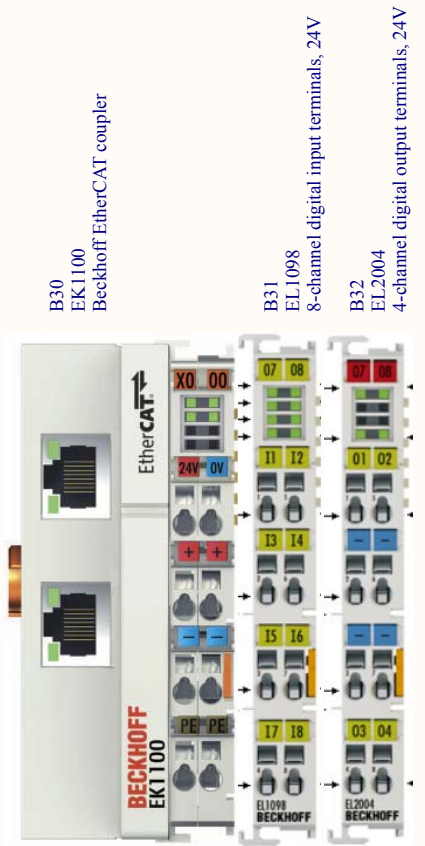
DC\_1 RF Amps  
 Low Noise VCO w/ PLL B

Low Noise VCO w/ PLL A  
 DC\_2  
 DC\_3

Power budget:  
 EL3104: 0.180 A (4x)  
 EL4134: 0.265 A (1x)  
 EL1124: 0.090 A (3x)  
 EL2124: 0.130 A (5x)  
 -----  
 1.905 A

Power budget:  
 EL3104: 0.180 A (2x)  
 EL4134: 0.265 A (1x)  
 EL1124: 0.090 A (1x)  
 EL2124: 0.130 A (5x)  
 -----  
 1.365 A

Title <b>EtherCAT Corner 6: Left Rail</b>		
Size B	Number <b>D1300745</b>	Revision <b>2</b>
Date: 1/22/2014	Sheet 2 of 4	
File: D:\Users\...\EtherCATCornerF2.SchDoc	Drawn By: Daniel Sigg	



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Ebus 24V  
 Power contacts 5V

### Fast Shutter

Power budget:  
 EL1908: 0.090 A (1x)  
 EL2004: 0.100 A (1x)  
 -----  
 0.190 A

Title		<b>EtherCAT Corner 6: Middle Rail</b>	
Size	Number	Revision	
B	<b>D1300745</b>	2	
Date:	1/22/2014	Sheet 3 of 4	
File:	D:\Users\...\EtherCATCornerF3.SchDoc	Drawn By: Daniel Sigg	

1

2

3

4

5

6

A

A

B

B

C

C

D

D

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Ebus 24V  
Power contacts 24V

Title		<b>EtherCAT Corner 5: Right Rail</b>	
Size	Number	Revision	
B	<b>D1300745</b>	<b>2</b>	
Date:	1/22/2014	Sheet 4 of 4	
File:	D:\Users\...\EtherCATCornerF4.SchDoc	Drawn By: Daniel Sigg	

1

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4

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6