

Title: **DC-In Sync Box Connector Pinouts**

- Rev. 1 March 31, 2010 RL Initial release
- Rev. 2 Apr. 19, 2010 MA Added power connector pinout for 24V-in version
- Rev. 3 28-Jun-12 MA Added DC-DC Converter for 24V Power
- Rev. 4 10-Jun-22 MA fixed polarity on CJ3 signals: DV, Sync

P3 (PCB)	Signal	CJ2 - DB9S (Box)	Wire Color	
1				
2	GND			
3	Tx	2	YEL	
4	GND			
5	Rx	3	BLU	
6	GND			
7	DSR	4	BRN	
8	GND	5	BLK	
9	GND			
10	GND			

P6 (PCB)	Signal	CJ3 - DB25S (Box)	Wire Color	
1	Data_Valid-	1	YEL	Molex HDR
2	Data_Valid+	2	BLU	Molex HDR
3	GND	14	BLK	Molex HDR
P14				
1	Data_Sync1-	15	WHT	TP3
2	Data_Sync1+	16	BLU	TP4
3	GND	3	BLK	TP1
P16				
1	Data_Sync2-	4	GRY	TP5
2	Data_Sync2+	5	BLU	TP6
3	GND	17	BLK	TP1
P9				
1	Data_Sync3-	18	BRN	TP2
2	Data_Sync3+	19	BLU	TP7
3	GND	6	BLK	TP1
4	Data_Sync3_TTL	7	GRN	TP8
5	GND	20	BLK	TP1
P11				
1	Data_Sync4-	21	VIO	TP9
2	Data_Sync4+	22	BLU	TP10
3	GND	8	BLK	TP1
4	Data_Sync4_TTL	9	RED	TP11

P1 (PCB)	Signal	Reset Switch (Box)	Wire Color
1	Reset	NO	BLU
2	GND	Pole	BLK

P21 (PCB)	Signal	CJ5 - BNC (Box)	Wire Color
SMA	TTL_In	BNC	RG-74

P24 (PCB)	Signal	CJ6 - BNC (Box)	Wire Color
SMA	TTL_Out	BNC	RG-74

P19 (PCB)	Signal	LED's (Box)	Wire Color
1	Freerun	Yellow	VIO
2	GND		BLK
3	DV_Error	Red	GRY
4	GND		BLK

P5 (PCB)	Signal	5V Input Power Connections	Wire Color
1	+5V	1 & 2 (+5V)	RED
2	GND	3 & 6	BLK

ELE-C589-131 DC-DC Converter Board Connections

P1 (PCB)	Signal	24V Input Power Connections	Wire Color
1	GND Out	Connects to P5-2	BLK
2	+5V Out	Connects to P5-1	RED
3	GND In	CP1 (D & E)	BLK
4	+24V In	CP1 (B & C)	YEL

- +5V Unit uses plastic CPC 9 pin Connector
- +24V Unit uses Amphenol 5 pin Bayonet Connector

5	GND	23	BLK	TP1
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