

# LS ELECTRIC L7C Series AC Servo Systems

## Accessories

### CN1 Accessories

For L7C series drives, two methods are available for creating I/O connections.

#### Option 1:

Terminal blocks + cables:

- APC-VSCN1T-AD
- APC-VSCN1T01-AD
- APC-VSCN1T02-AD

APC-VSCN1T terminals ship with a universal labeling strip (A1-A25, B1-B25). A labeling template with designations specifically for the L7C drive can be downloaded from any of the drive pages or the terminal block page ([www.automationdirect.com/pn/apc-vscn1t-ad](http://www.automationdirect.com/pn/apc-vscn1t-ad)).

#### Option 2:

Flying lead cables:

- APC-CN101A-AD
- APC-CN102A-AD
- APC-CN103A-AD



**NOTE:** Do not use APC-VSCN1T(xx)-AD feedthrough terminal block if using PLC/ Drive serial communication. Communication errors may occur due to disconnects in cable shields. Use APC-CN10xA-AD flying lead cables.

Part Number	Price	Description	Cable Length	Drawing	Compatible Drives
<a href="#">APC-VSCN1T-AD</a>	\$75.00	LS Electric CN1 feedthrough terminal block, 50-pole, DIN rail mount	0.5 m [1.6 ft]	<a href="#">PDF</a>	All L7C drives
<a href="#">APC-VSCN1T01-AD</a>	\$84.00		1.0 m [3.2 ft]	<a href="#">PDF</a>	
<a href="#">APC-VSCN1T02-AD</a>	\$92.00		2.0 m [6.5 ft]	<a href="#">PDF</a>	
<a href="#">APC-CN101A-AD</a>	\$46.00	LS Electric control cable, 50-pin connector to pigtail.	1.0 m [3.2 ft]	<a href="#">PDF</a>	
<a href="#">APC-CN102A-AD</a>	\$50.00		2.0 m [6.5 ft]	<a href="#">PDF</a>	
<a href="#">APC-CN103A-AD</a>	\$55.00		3.0 m [9.8 ft]	<a href="#">PDF</a>	



APC-CN101A-AD



APC-VSCN1T-AD

Terminal	Drive I/O Pin/Wire #	Description	Wire Color	Stripe Color	Number of Stripes
A1	1	AI-1 (TRQCOM)	Orange	Black	1
B1	2	TXD+	Orange	Red	1
A2	3	TXD-	Orange	Black	2
B2	4	Z0	Orange	Red	2
A3	5	/Z0	Orange	Black	3
B3	6	RXD+	Orange	Red	3
A4	7	RXD-	Orange	Black	4
B4	8	A-GND	Orange	Red	4
A5	9	PF+	Orange	Black	5
B5	10	PF-	Orange	Red	5
A6	11	PR+	Yellow	Black	1
B6	12	PR-	Yellow	Red	1
A7	13	N/C	Yellow	Black	2
B7	14	DO-8	Yellow	Red	2
A8	15	DO-7	Yellow	Black	3
B8	16	DO-6	Yellow	Red	3
A9	17	DI-5	Yellow	Black	4
B9	18	DI-9	Yellow	Red	4
A10	19	DI-8	Yellow	Black	5
B10	20	DI-7	Yellow	Red	5
A11	21	DI-4	Gray	Black	1
B11	22	DI-3	Gray	Red	1
A12	23	DI-2	Gray	Black	2
B12	24	DO-GND24	Gray	Red	2
A13	25	DO-GND24	Gray	Black	3
B13	26	N/C	Gray	Red	3
A14	27	AI-2 (SPDCOM)	Gray	Black	4
B14	28	N/C	Gray	Red	4
A15	29	N/C	Gray	Black	5
B15	30	B0	Gray	Red	5
A16	31	/B0	White	Black	1
B16	32	AO	White	Red	1
A17	33	/AO	White	Black	2
B17	34	+12V	White	Red	2
A18	35	-12V	White	Black	3
B18	36	ENC SG	White	Red	3
A19	37	N/C	White	Black	4
B19	38	DO-1+	White	Red	4
A20	39	DO-1-	White	Black	5
B20	40	DO-2+	White	Red	5
A21	41	DO-2-	Pink	Black	1
B21	42	N/C	Pink	Red	1
A22	43	DO-3	Pink	Black	2
B22	44	DO-4	Pink	Red	2
A23	45	DO-5	Pink	Black	3
B23	46	DI-6	Pink	Red	3
A24	47	DI-1	Pink	Black	4
B24	48	DI-A	Pink	Red	4
A25	49	PULCOM	Pink	Black	5
B25	50	+24v	Pink	Red	5