

SCSI-3 Connector to Twisted-Shielded “Flying Lead” Cable

for Interface Card Models:

**PCI-A429, PCIC-A429, PMC-A429, CPCIC-A429,
PCIEXL-A429 and PCIEC-A429, PCIE4L-A429, XMC-A429**

(Front Panel Only: One Assembly is Provided Per Card)

REVISION: A3

Item Number: 91201-68011

Cable Reorder Part Number and Description:

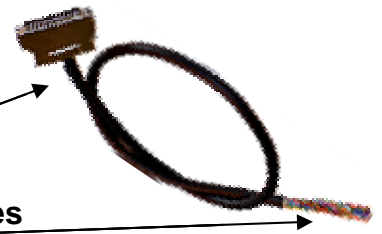
- Part Number: **SCSI-A429-3-01** or **SCSI-A429-3-01-T (Thumb Screw)**
- Description: SCSI 3, 68-pin Connector to Exposed (Flying) Leads with 3 feet (36 inches) Total Cable Length

SCSI-3 Front Panel Connector Information:

- SCSI CON: AMP #1-5750913-7 (or equiv)
- Backshell: Amp #5749195-2 (or equiv)
- Thumb Screw (-T) Backshell: Norcomp 989-068-130L121 (or equiv)

Cable Assembly Markings & Information:

- Shrink-wrap Label Part Number
 - **P1 – Alta Part No: SCSI-A429-3-01(-T)****
- Note on Flying Leads: Provide 3 inches of Exposed Wires



****NOTE:** After August 2009: Verify the Color Code for the Correct Pin-Outs on the Cable (for example: “0908” on the part number label). IF THERE IS NOT A COLOR CODE NUMBER ON THE CABLE LABEL (for most shipments before August 2009), then use the color code chart marked “No Color Code.” Most shipments PRIOR to August 2009 did NOT have a color code number. Color codes can change, so match the color code (or absence of color code) to the following pages for correct pin-outs to wire color.

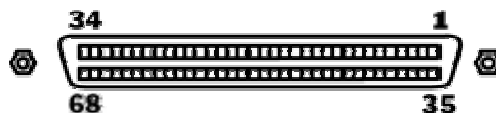
Cable is EU and China RoHS Compliant.



Pin Outs and Wire Color Codes on Following Pages

ARINC Card Front Panel SCSI 3 Connector (P1) Pin Outs

SCSI Pin#	Signal	SCSI Pin#	Signal
1	RX1+/TX1+	35	RX1-/TX1-
2	RX2+/TX2+	36	RX2-/TX2-
3	RX3+/TX3+	37	RX3-/TX3-
4	RX4+/TX4+	38	RX4-/TX4-
5	RX5+/TX5+	39	RX5-/TX5-
6	RX6+/TX6+	40	RX6-/TX6-
7	RX7+/TX7+	41	RX7-/TX7-
8	RX8+/TX8+	42	RX8-/TX8-
9	RX9+	43	RX9-
10	RX10+	44	RX10-
11	RX11+	45	RX11-
12	RX12+	46	RX12-
13	RX13+	47	RX13-
14	RX14+	48	RX14-
15	RX15+	49	RX15-
16	RX16+	50	RX16-
17	RX17+/TX17+	51	RX17-/TX17-
18	RX18+/TX18+	52	RX18-/TX18-
19	RX19+/TX19+	53	RX19-/TX19-
20	RX20+/TX20+	54	RX20-/TX20-
21	RX21+/TX21+	55	RX21-/TX21-
22	RX22+/TX22+	56	RX22-/TX22-
23	RX23+/TX23+	57	RX23-/TX23-
24	RX24+/TX24+	58	RX24-/TX24-
25	RX25+	59	RX25-
26	RX26+	60	RX26-
27	RX27+	61	RX27-
28	RX28+	62	RX28-
29	RX29+	63	RX29-
30	RX30+	64	RX30-
31	AV Trig In1	65	AV Trig Out1
32	RS-485+	66	RS-485-
33	IRIG In	67	IRIG GND
34	TTL I/O	68	GND



SCSI Cable Connector Pin Outs (HPDB) to Wire Color Code Cross Reference (NO COLOR CODE on CABLE LABEL FOR THESE ASSIGNMENTS)

PIN OUT

HPDB	68P/M	OPEN		HPDB	68P/M	OPEN
1	ORANGE/YELLOW-RING			18	WHITE/BLUE-RING	
35	GREEN/YELLOW-RING			52	LIGHT-GRAY/BLUE-RING	
2	BROWN/YELLOW-RING				BLUE	
36	RED/YELLOW-RING			19	BLUE/GRAY-RING	
3	PINK/GREEN-RING			20	WHITE	
37	WHITE/GREEN-RING			54	WHITE/GRAY-RING	
4	BLUE/GREEN-RING				VIOLET	
38	VIOLET/GREEN-RING			21	VIOLET/GRAY-RING	
5	ORANGE/GREEN-RING			55	BROWN/WHITE-RING	
39	YELLOW/GREEN-RING			22	RED/WHITE-RING	
6	BRONW/GREEN-RING			56	YELLOW	
40	LIGHT-GRAY/GREEN-RING			23	YELLOW/GRAY-RING	
7	PINK/RED-RING			57	ORANGE	
41	WHITE/RED-RING			24	ORANGE/GRAY-RING	
8	BLUE/RED-RING			58	GREEN/WHITE-RING	
42	VIOLET/RED-RING			59	BLUE/WHITE-RING	
9	YELLOW/RED-RING				GREEN	
43	GREEN/RED-RING			26	GREEN/GRAY-RING	
10	BROWN/RED-RING			60	ORANGE/WHITE-RING	
44	LIGHT-GRAY/RED-RING			27	YELLOW/WHITE-RING	
11	PINK/BROWN-RING			61	PINK	
45	LIGHT-GRAY/BROWN-RING			28	PINK/GRAY-RING	
12	GREEN/BLUE-RING				BROWN	
46	VIOLET/BLUE-RING			29	BROWN/GRAY-RING	
13	VIOLET/WHITE-RING			63	RED	
47	LIGHT-GRAY/WHITE-RING			30	RED/GRAY-RING	
14	RED/BROWN-RING			64	BLUE/YELLOW-RING	
48	YELLOW/BROWN-RING			31	VIOLET/YELLOW-RING	
15	ORANGE/BROWN-RING			65	WHITE/YELLOW-RING	
49	GREEN/BROWN-RING			32	LIGHT-GRAY/YELLOW-RING	
16	BLUE/BROWN-RING			66	BROWN/BLUE-RING	
50	VIOLET/BROWN-RING			33	RED/BLUE-RING	
17	BROWN/ORANGE-RING			67	ORANGE/BLUE-RING	
51	RED/ORANGE-RING			34	YELLOW/BLUE-RING	
				68	YELLOW/BLUE-RING	
					SHELL	

SCSI-3 Cable Wire Color Code: **0908** (match to cable label)

SCSI Cable Connector Pin Outs (HPDB) to Wire Color Code

Pin		Pin	
1	Black	35	Black / White
2	Brown	36	Brown / White
3	Red	37	Red / Black
4	Orange	38	Orange / Black
5	Yellow	39	Yellow / Black
6	Green	40	Green / Black
7	Blue	41	Blue / White
8	Purple	42	Purple / White
9	Gray	43	Gray / Black
10	White	44	White / Black
11	Pink	45	Pink / Black
12	Light Green	46	Light Green / Black
13	Light Blue	47	Light Blue / Black
14	Blue / Red	48	Purple / Red
15	Purple / Green	49	Purple / Blue
16	GRAY / RED	50	Gray / Blue
17	Gray / Yellow	51	Gray / Green
18	White / Red	52	White / Blue
19	White / yellow	53	White / Green
20	Pink / Red	54	Pink / Blue
21	Pink / Yellow	55	Pink / white
22	Light Green / Red	56	Green / Green
23	Light Blue / yellow	57	Light Blue / Green
24	Light Blue / Red	58	Light Blue / Blue
25	Light Green / Yellow	59	Light Green / Green
26	Red / White	60	Red / Blue
27	Orange / Red	61	Orange / Green
28	Yellow / Red	62	Yellow / Green
29	Yellow / White	63	Yellow / Black
30	Yellow	64	Yellow / Red
31	Yellow / Green	65	Yellow / Blue
32	Green / White	66	Light Blue / Blue
33	Orange / White	67	Gray / white
34	Light Pink	68	Light Pink / Red

SCSI-3 Cable Wire Color Code: 1007 (match to cable label)

SCSI Cable Connector Pin Outs (HPDB) to Wire Color Code

Pin		Pin	
1	Black	35	Black / White
2	Brown	36	Brown / White
3	Red	37	Red / Black
4	Orange	38	Orange / Black
5	Dark Yellow	39	Dark Yellow / Black
6	Dark Green	40	Dark Green / Black
7	Dark Blue	41	Dark Blue / White
8	Purple	42	Purple / White
9	Dark Gray	43	Gray / Black
10	White	44	White / Black
11	Pink	45	Pink / Black
12	Light Green	46	Light Green / Black
13	Light Blue	47	Light Blue / Black
14	Dark Blue / Red	48	Purple / Red
15	Purple / Green	49	Purple / Blue
16	Gray / Red	50	Gray / Blue
17	Gray / Yellow	51	Gray / Green
18	White / Brown	52	White / Orange
19	White / Red	53	White / Blue
20	White / yellow	54	White / Green
21	Pink / Red	55	Pink / Blue
22	Pink / Yellow	56	Pink / Green
23	Light Green / Red	57	Light Green / Blue
24	Light Green / Yellow	58	Light Green / Green
25	Light Blue / red	59	Light Blue / Green
26	Light Blue / Yellow	60	Light Blue / Blue
27	Red / Pink	61	Dark Green / White
28	Orange / Red	62	Yellow / Red
29	Orange / Green	63	Dark Yellow / Green
30	Yellow / White	64	Yellow / Black
31	Light Yellow	65	Light Yellow / Green
32	Yellow / Red	66	Yellow / Blue
33	Dark Green / Blue	67	Dark Green / Pink
34	Orange / White	68	Gray / white

SCSI-3 Cable Wire Color Code: 1011 (match to cable label)

SCSI Cable Connector Pin Outs (HPDB68) to Wire Color Code

Pin		Pin	
1	White / Red	35	White / Black
2	White / Green	36	White / Blue
3	White / Gray	37	White / Pink
4	White / Violet	38	White / Brown
5	White	39	Red
6	Sky Blue / Red	40	Sky Blue / Black
7	Sky Blue / Green	41	Sky Blue / Blue
8	Sky Blue / Gray	42	Colorless / Sky Blue
9	Sky Blue / Violet	43	Sky Blue / Brown
10	Sky Blue	44	Black
11	Yellow / Red	45	Yellow / Black
12	Yellow / Green	46	Colorless
13	Yellow / White	47	Colorless / Yellow
14	Yellow / Violet	48	Yellow / Brown
15	Yellow	49	Green
16	Light Green / Red	50	Light Green / Black
17	Colorless / Brown	51	Light Green / Blue
18	Light Green / Gray	52	Colorless / Light Green
19	Light Green / Violet	53	Light Green / Brown
20	Light Green	54	Blue
21	Pink / Red	55	Pink / Black
22	Pink / Green	56	Pink / Blue
23	Pink / Gray	57	Colorless / Pink
24	Pink / Violet	58	Pink / Brown
25	Pink	59	Gray
26	Gray / Red	60	Gray / Black
27	Colorless / Gray	61	Gray / Blue
28	Gray / Violet	62	Gray / Brown
29	Orange	63	Brown
30	Red / Black	64	Red / Blue
31	Red / Brown	65	Violet
32	Red / Violet	66	Colorless / Red
33	Blue / Violet	67	Colorless / Blue
34	Blue / Brown	68	Blue / Green