

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**

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

REVISION: A0

Item Number: 91500-00000

Cable Reorder Part Number and Description:

- Part Number: **SCSI-A429-3-01**
- 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)

Cable Assembly Markings & Information:

- Shrink-wrap Label Part Number
 - **P1 – Alta Part No: SCSI-A429-3-01****
- 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.

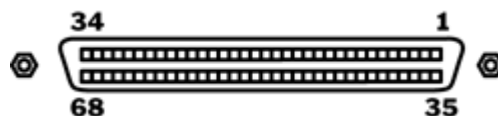
Cable is EU and China RoHS Compliant.



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	19	BLUE
36	RED/YELLOW-RING	53	BLUE/GRAY-RING
3	PINK/GREEN-RING	20	WHITE
37	WHITE/GREEN-RING	54	WHITE/GRAY-RING
4	BLUE/GREEN-RING	21	VIOLET
38	VIOLET/GREEN-RING	55	VIOLET/GRAY-RING
5	ORANGE/GREEN-RING	22	BROWN/WHITE-RING
39	YELLOW/GREEN-RING	56	RED/WHITE-RING
6	BRONW/GREEN-RING	23	YELLOW
40	LIGHT-GRAY/GREEN-RING	57	YELLOW/GRAY-RING
7	PINK/RED-RING	24	ORANGE
41	WHITE/RED-RING	58	ORANGE/GRAY-RING
8	BLUE/RED-RING	25	GREEN/WHITE-RING
42	VIOLET/RED-RING	59	BLUE/WHITE-RING
9	YELLOW/RED-RING	26	GREEN
43	GREEN/RED-RING	60	GREEN/GRAY-RING
10	BROWN/RED-RING	27	ORANGE/WHITE-RING
44	LIGHT-GRAY/RED-RING	61	YELLOW/WHITE-RING
11	PINK/BROWN-RING	28	PINK
45	LIGHT-GRAY/BROWN-RING	62	PINK/GRAY-RING
12	GREEN/BLUE-RING	29	BROWN
46	VIOLET/BLUE-RING	63	BROWN/GRAY-RING
13	VIOLET/WHITE-RING	30	RED
47	LIGHT-GRAY/WHITE-RING	64	RED/GRAY-RING
14	RED/BROWN-RING	31	BLUE/YELLOW-RING
48	YELLOW/BROWN-RING	65	VIOLET/YELLOW-RING
15	ORANGE/BROWN-RING	32	WHITE/YELLOW-RING
49	GREEN/BROWN-RING	66	LIGHT-GRAY/YELLOW-RING
16	BLUE/BROWN-RING	33	BROWN/BLUE-RING
50	VIOLET/BROWN-RING	67	RED/BLUE-RING
17	BROWN/ORANGE-RING	34	ORANGE/BLUE-RING
51	RED/ORANGE-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