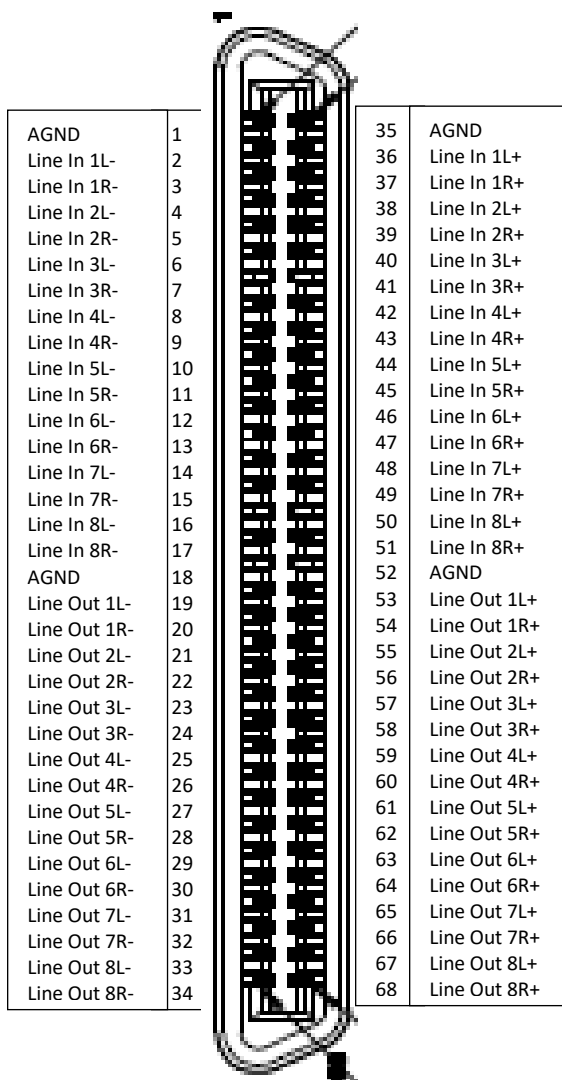# CBL4001

BOB1038 CONNECTOR CABLE

1 DESCRIPTION

CBL4001 is used to connect the AudioScience ASI67xx and ASI57xx series of cards to a BOB1038 breakout box for either analog OR digital connections. It has 2 identical VHDCI connectors. Diagrams below show the pinout for either analog connections or AES/EBU + GPIO connections, these are not both available on the cable at the same time, it is one or the other depending on which connector the cable is plugged into on your card and BOB1038.

The cable is approximately 6 feet long.

2 PINOUTS

2.1 68pin VHDCI analog

Signal	Pin		Pin	Signal
AGND	1		35	AGND
Line In 1L-	2		36	Line In 1L+
Line In 1R-	3		37	Line In 1R+
Line In 2L-	4		38	Line In 2L+
Line In 2R-	5		39	Line In 2R+
Line In 3L-	6		40	Line In 3L+
Line In 3R-	7		41	Line In 3R+
Line In 4L-	8		42	Line In 4L+
Line In 4R-	9		43	Line In 4R+
Line In 5L-	10		44	Line In 5L+
Line In 5R-	11		45	Line In 5R+
Line In 6L-	12		46	Line In 6L+
Line In 6R-	13		47	Line In 6R+
Line In 7L-	14		48	Line In 7L+
Line In 7R-	15		49	Line In 7R+
Line In 8L-	16		50	Line In 8L+
Line In 8R-	17		51	Line In 8R+
AGND	18		52	AGND
Line Out 1L-	19		53	Line Out 1L+
Line Out 1R-	20		54	Line Out 1R+
Line Out 2L-	21		55	Line Out 2L+
Line Out 2R-	22		56	Line Out 2R+
Line Out 3L-	23		57	Line Out 3L+
Line Out 3R-	24		58	Line Out 3R+
Line Out 4L-	25		59	Line Out 4L+
Line Out 4R-	26		60	Line Out 4R+
Line Out 5L-	27		61	Line Out 5L+
Line Out 5R-	28		62	Line Out 5R+
Line Out 6L-	29		63	Line Out 6L+
Line Out 6R-	30		64	Line Out 6R+
Line Out 7L-	31		65	Line Out 7L+
Line Out 7R-	32		66	Line Out 7R+
Line Out 8L-	33		67	Line Out 8L+
Line Out 8R-	34		68	Line Out 8R+

2.2 68pin VHDCI AES/EBU + GPIO

Signal	Pin		Pin	Signal
Relay 4B	68		34	Relay 4A
Relay 3B	67		33	Relay 3A
Relay 2B	66		32	Relay 2A
Relay 1B	65		31	Relay 1A
+3.3V	64		30	VOPT
Opto 16	63		29	Opto 15
Opto 14	62		28	Opto 13
Opto 12	61		27	Opto 11
Opto 10	60		26	Opto 9
Opto 8	59		25	Opto 7
Opto 6	58		24	Opto 5
Opto 4	57		23	Opto 3
Opto 2	56		22	Opto 1
GND	55		21	GND
AES3 Out 8-	54		20	AES3 Out 8+
AES3 Out 7-	53		19	AES3 Out 7+
AES3 Out 6-	52		18	AES3 Out 6+
AES3 Out 5-	51		17	AES3 Out 5+
AES3 Out 4-	50		16	AES3 Out 4+
AES3 Out 3-	49		15	AES3 Out 3+
AES3 Out 2-	48		14	AES3 Out 2+
AES3 Out 1-	47		13	AES3 Out 1+
GND	46		12	GND
AES3 In 8-	45		11	AES3 In 8+
AES3 In 7-	44		10	AES3 In 7+
AES3 In 6-	43		9	AES3 In 6+
AES3 In 5-	42		8	AES3 In 5+
AES3 In 4-	41		7	AES3 In 4+
AES3 In 3-	40		6	AES3 In 3+
AES3 In 2-	39		5	AES3 In 2+
AES3 In 1-	38		4	AES3 In 1+
AES3 Sync In-	37		3	AES3 Sync In+
GND	36		2	Word Out
GND	35		1	Word In