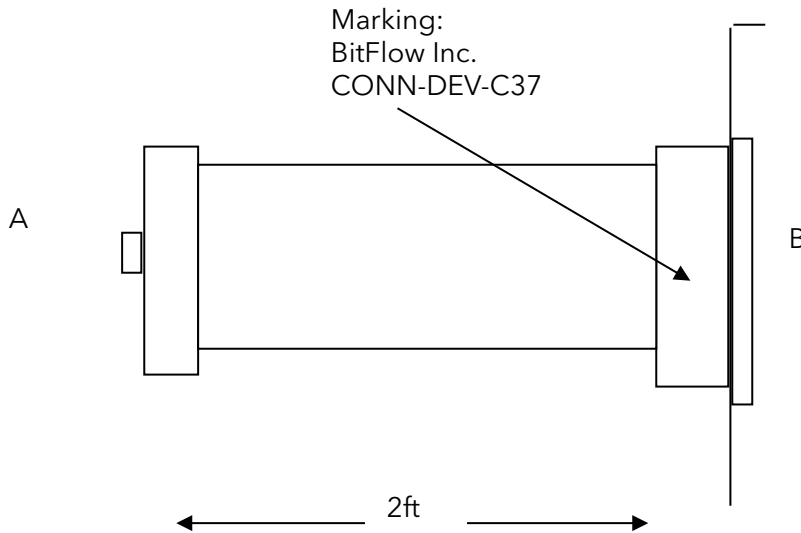


## CONN-DEV-C37

Rev. A, March 3, 2023



Connector A is a 40 pin mass termination connector with a single center key. The cable at connector A comes out on the opposite side of the polarizing key. There is no strain relief on A.

Connector B is a female **two row**, 37-pin Dsub that can accept mass terminated flat cable. Suggested part number is AMP A7SSB-2506M. It is mounted to the bracket with hex screws, female 4-40.

The PC bracket is GOMPF 9047-0044. On connector B put a sticker with the marking:

**BitFlow, Inc.**  
**CONN-DEV-C37**

Wiring between connectors A and B is shown below:

Functions on the CONN-DEV-C37 for the Axion-2XB IO connector

Function	Con. A	Con. B
TRIG_VFG0+	1	1
TRIG_VFG0-	2	20
ENCA_VFG0+ 3	2	
ENCA_VFG0- 4	21	
ENCB_VFG0+ 5	3	
ENCB_VFG0- 6	22	
CC3_VFG0+	7	4
CC3_VFG0-	8	23
GND	9	5
ENCA_VFG0_TTL	10	24
TRIG_VFG0_TTL	11	6
ENCB_VFG0_TTL	12	25
CC3_VFG0_TTL	13	7
CC4_VFG0_TTL	14	26
CC2_VFG0_TTL	15	8
GND	16	27
TRIG_VFG1+	17	9
TRIG_VFG1-	18	28
ENCA_VFG1+ 19	10	
ENCA_VFG1- 20	29	
ENCB_VFG1+ 21	11	
ENCB_VFG1- 22	30	
CC3_VFG1+	23	12
CC3_VFG1-	24	31
TRIG_VFG1_TTL	25	13
ENCA_VFG1_TTL	26	32
CC3_VFG1_TTL	27	14
ENCB_VFG1_TTL	28	33
CC2_VFG1_TTL	29	15
CC4_VFG1_TTL	30	34
GND	31	16
GND	32	35
<b>spares</b>	<b>33-40</b>	