Connector A is a 60 pin mass termination connector with a single center key. The cable at connector A is on the same side like the polarizing key. There is no strain relief on A.

Connector B is a female three row, 62-pin Dsub. It is mounted to the bracket with hex screws. Suggested part for connector B is AMP 748568-1.

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

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Wiring between connectors A and B is one-to-one: pin 1 of A connects to pin 1 of B, etc. At B split the flat cable as needed.
Functions on the Karbon IO connector

1 TRIGINA+  
2 TRIGINA-  
3 TRIGINAT  
4 TRIGINAI G  
5 TRIGINAI S  
6 GND  
7 ENCDRA+  
8 ENCDRA-  
9 ENCDRAT  
10 ENCDRAI G  
11 ENCDRAI S  
12 GND  
13 GPIN0T  
14 GPIN1T  
15 GPIN2+  
16 GPIN2-  
17 GPIN3+  
18 GPIN3-  
19 GPIN4+  
20 GPIN4-  
21 GND  
22 GPOUT0+  
23 GPOUT0-  
24 GPOUT1+  
25 GPOUT1-  
26 GPOUT2+  
27 GPOUT2-  
28 GPOUT3T  
29 GND  
30 GPOUT4T  
31 GPOUT5S  
32 GPOUT5V  
33 GPOUT6S  
34 GPOUT6V  
35 GND  
36 GND  
37 SOUT-RS232  
38 GND  
39 SIN-RS232  
40 GND
41 AUX1_TRIGINA+
42 AUX1_TRIGINA-
43 AUX1_TRIGINAT
44 AUX1_ENCDRA+
45 AUX1_ENCDRA-
46 AUX1_ENCDRAT
47 AUX2_TRIGINA+
48 AUX2_TRIGINA-
49 AUX2_TRIGINAT
50 AUX2_ENCDRA+
51 AUX2_ENCDRA-
52 AUX2_ENCDRAT
53 AUX3_TRIGINA+
54 AUX3_TRIGINA-
55 AUX3_TRIGINAT
56 AUX3_ENCDRA+
57 AUX3_ENCDRA-
58 AUX3_ENCDRAT
59 X_GP_IN_T
60 X_GP_OUT_T