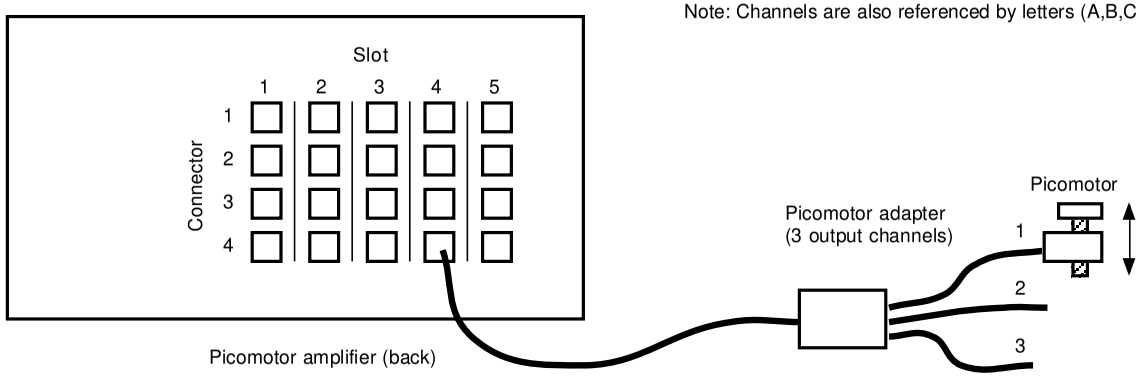
IOTA picomotor connections

Note: Channels are also referenced by letters (A,B,C for 1,2,3)



Slot	Connector	Channel	Description
1	1	All	Scanning piezo mirror (visible table)
1	2	All	Scanning piezo mirror (visible table)
1	3	1	NICMOS mirror 1 Y (IR table)
1	3	2	NICMOS mirror 1 X (IR table)
1	3	3	Dichroic X
1	4	1	NICMOS mirror 2 Y (IR table)
1	4	2	NICMOS mirror 2 X (IR table)
1	4	3	Dichroic Y
2	1	1	Long Delay 1 laser tilt X
2	1	2	Long Delay 2 laser tilt X
2	2	1	Long Delay 1 laser tilt Y
2	2	2	Long Delay 2 laser tilt Y
2	3	1	Secondary North (A), yoke Y
2	3	2	Secondary North (A), yoke X
2	3	3	Secondary North (A), “focus”
2	4	1	Secondary North (A), tilt Y
2	4	2	Secondary North (A), tilt X
3	1	1	Secondary South (B), yoke Y
3	1	2	Secondary South (B), yoke X
3	1	3	Secondary South (B), “focus”
3	2	1	Secondary South (B), tilt Y
3	2	2	Secondary South (B), tilt X
3	3	1	Secondary West (C), yoke Y
3	3	2	Secondary West (C), yoke X
3	3	3	Secondary West (C), “focus”
3	4	1	Secondary West (C), tilt Y
3	4	2	Secondary West (C), tilt X

Slot	Connector	Channel	Description
4	1	1	Exit (“45 deg”) Fixed Beam X
4	1	2	Exit (“45 deg”) Delayed Beam 1 X
4	1	3	Exit (“45 deg”) Delayed Beam 2 X
4	2	1	Exit (“45 deg”) Fixed Beam Y
4	2	2	Exit (“45 deg”) Delayed Beam 1 Y
4	2	3	Exit (“45 deg”) Delayed Beam 2 Y
4	3	1	Corner mirror North (A) X
4	3	2	Corner mirror South (B) X
4	3	3	Corner mirror West (C) X
4	4	1	Corner mirror North (A) Y
4	4	2	Corner mirror South (B) Y
4	4	3	Corner mirror West (C) Y
5	1	1	Reserved for future use
5	1	2	Reserved for future use
5	1	3	Reserved for future use
5	2	1	Reserved for future use
5	2	2	Reserved for future use
5	2	3	Reserved for future use
5	3	1	Reserved for future use
5	3	2	Reserved for future use
5	3	3	Reserved for future use
5	4	1	Reserved for future use
5	4	2	Reserved for future use
5	4	3	Reserved for future use

Drawing by Sébastien Morel, August 2000