

PortNo	Port size	occupation	xdcos	ydcos	zdcos	PortNo	Hx(deg)	Tz(deg)	Hx(deg)	Tx(deg)	Hy(deg)	Ty(deg)
1	10 inch	target positioner	0	0	1	1	0	0	90	90	0	90
2	10 inch		0	0	-1	2	0	180	-90	90	180	90
3	12 inch	Laser beam irradiation B10	0.525731	0	0.850651	3	0	31.7175	90	58.2825	31.7175	90
4	12 inch	Laser beam irradiation B4	-0.525731	0	-0.850651	4	180	148.2825	-90	121.7175	-148.2825	90
5	12 inch	Laser beam irradiation B9	-0.525731	0	0.850651	5	180	31.7175	90	121.7175	-31.7175	90
6	12 inch	Laser beam irradiation B11	0.525731	0	-0.850651	6	0	148.2825	-90	58.2825	148.2825	90
7	12 inch	Laser beam irradiation B5	0	0.850651	0.525731	7	90	58.2825	31.7175	90	0	31.7175
8	12 inch	Laser beam irradiation B2	0	-0.850651	-0.525731	8	-90	121.7175	-148.2825	90	180	148.2825
9	12 inch	Laser beam irradiation B8	0	-0.850651	0.525731	9	-90	58.2825	148.2825	90	0	148.2825
10	12 inch	Laser beam irradiation B3	0	0.850651	-0.525731	10	90	121.7175	-31.7175	90	180	31.7175
11	12 inch	Laser beam irradiation B6	0.850651	0.525731	0	11	31.7175	90	0	31.7175	90	58.2825
12	12 inch	Laser beam irradiation B1	-0.850651	-0.525731	0	12	-148.2825	90	180	148.2825	-90	121.7175
13	12 inch	Laser beam irradiation B12	-0.850651	0.525731	0	13	148.2825	90	0	148.2825	-90	58.2825
14	12 inch	Laser beam irradiation B7	0.850651	-0.525731	0	14	-31.7175	90	180	31.7175	90	121.7175
15	20 inch	Evacuation	0.57735	-0.57735	-0.57735	15	-45	125.2644	-135	54.7356	135	125.2644
16	6 inch		0	0.422618	0.906308	16	90	25	65	90	0	65
17	6 inch		0	-0.422618	-0.906308	17	-90	155	-115	90	180	115
18	6 inch		0	-0.422618	0.906308	18	-90	25	115	90	0	115
19	6 inch		0	0.422618	-0.906308	19	90	155	-65	90	180	65
20	6 inch		0.309017	0.5	0.809017	20	58.2825	36	58.2825	72	20.9052	60
21	6 inch		-0.309017	0.5	0.809017	21	121.7175	36	58.2825	108	-20.9052	60
22	6 inch		0.309017	-0.5	0.809017	22	-58.2825	36	121.7175	72	20.9052	120
23	6 inch	On-target monitor for laser energy	-0.309017	-0.5	0.809017	23	-121.7175	36	121.7175	108	-20.9052	120
24	6 inch		0.57735	0.57735	0.57735	24	45	54.7356	45	54.7356	45	54.7356
25	6 inch		-0.57735	-0.57735	-0.57735	25	-135	125.2644	-135	125.2644	-135	125.2644
26	6 inch		-0.57735	0.57735	0.57735	26	135	54.7356	45	125.2644	-45	54.7356
27	6 inch		0.57735	-0.57735	0.57735	27	-45	54.7356	135	54.7356	45	125.2644
28	6 inch		-0.57735	0.57735	-0.57735	28	135	125.2644	-45	125.2644	-135	54.7356
29	6 inch		-0.57735	-0.57735	0.57735	29	-135	54.7356	135	125.2644	-45	125.2644
30	6 inch		0.57735	0.57735	-0.57735	30	45	125.2644	-45	54.7356	135	54.7356
31	8 inch		0.809017	0.309017	0.5	31	20.9052	60	58.2825	36	58.2825	72
32	6 inch		-0.809017	-0.309017	-0.5	32	-159.0948	120	-121.7175	144	-121.7175	108
33	8 inch		-0.809017	0.309017	0.5	33	159.0948	60	58.2825	144	-58.2825	72
34	8 inch		0.809017	-0.309017	0.5	34	-20.9052	60	121.7175	36	58.2825	108
35	6 inch		-0.809017	0.309017	-0.5	35	159.0948	120	-58.2825	144	-121.7175	72
36	8 inch		-0.809017	-0.309017	0.5	36	-159.0948	60	121.7175	144	-58.2825	108
37	6 inch		0.809017	0.309017	-0.5	37	20.9052	120	-58.2825	36	121.7175	72
38	6 inch		0.934172	0	0.356822	38	0	69.0948	90	20.9052	69.0948	90
39	6 inch		-0.934172	0	-0.356822	39	180	110.9052	-90	159.0948	-110.9052	90
40	6 inch		-0.934172	0	0.356822	40	180	69.0948	90	159.0948	-69.0948	90
41	6 inch	Neutron det. (Gate PILOT-U)	0.934172	0	-0.356822	41	0	110.9052	-90	20.9052	110.9052	90
42	8 inch		0.5	0.809017	0.309017	42	58.2825	72	20.9052	60	58.2825	36
43	6 inch		-0.5	-0.809017	-0.309017	43	-121.7175	108	-159.0948	120	-121.7175	144

44	6 inch		-0.5	0.809017	0.309017	44	121.7175	72	20.9052	120	-58.2825	36
45	8 inch		0.5	-0.809017	0.309017	45	-58.2825	72	159.0948	60	58.2825	144
46	6 inch		-0.5	0.809017	-0.309017	46	121.7175	108	-20.9052	120	-121.7175	36
47	6 inch		-0.5	-0.809017	0.309017	47	-121.7175	72	159.0948	120	-58.2825	144
48	6 inch		0.5	0.809017	-0.309017	48	58.2825	108	-20.9052	60	121.7175	36
49	M39		-0.998145	0	0.060877	49	180	86.5099	90	176.5099	-86.5099	90
50	5 inch	Target monitor camera (Y)	0.996195	0.087156	0	50	5	90	0	5	90	85
51	3 inch	Target illuminator (Y)	-0.996195	-0.087156	0	51	-175	90	180	175	-90	95
52	8 inch		0.356822	0.934172	0	52	69.0948	90	0	69.0948	90	20.9052
53	8 inch		-0.356822	-0.934172	0	53	-110.9052	90	180	110.9052	-90	159.0948
54	3 inch	Target illuminator (X-Z)	-0.087156	0.996195	0	54	95	90	0	95	-90	5
55	5 inch	Target monitor camera (X-Z)	0.087156	-0.996195	0	55	-85	90	180	85	90	175
56	6 inch		-0.356822	0.934172	0	56	110.9052	90	0	110.9052	-90	20.9052
57	6 inch		0.356822	-0.934172	0	57	-69.0948	90	180	69.0948	90	159.0948
58	3 inch		-0.988949	0.148256	0	58	171.4741	90	0	171.4741	-90	81.4741
59	3 inch		0.988949	-0.148256	0	59	-8.5259	90	180	8.5259	90	98.5259
60	M56	Dumper	0.31551	0.31551	-0.894934	60	45	153.5	-70.5799	71.6084	160.5799	71.6084
61	M56	Dumper	-0.31551	0.31551	-0.894934	61	135	153.5	-70.5799	108.3916	-160.5799	71.6084
62	M56	Dumper	0.31551	-0.31551	-0.894934	62	-45	153.5	-109.4201	71.6084	160.5799	108.3916
63	M56	Dumper	-0.31551	-0.31551	-0.894934	63	-135	153.5	-109.4201	108.3916	-160.5799	108.3916
64	M42	Hunger bolt	0.333028	0.71418	0.615661	64	65	52	40.7631	70.5473	28.4101	44.4239
65	M42	Hunger bolt	-0.333028	-0.71418	-0.615661	65	-115	128	-139.2369	109.4527	-151.5899	135.5761
66	M42	Hunger bolt	-0.785012	0.06868	0.615661	66	175	52	83.6347	141.7218	-51.894	86.0618
67	M42	Hunger bolt	0.785012	-0.06868	-0.615661	67	-5	128	-96.3653	38.2782	128.106	93.9382
68	M42	Hunger bolt	0.785012	-0.06868	0.615661	68	-5	52	96.3653	38.2782	51.894	93.9382
69	M42	Hunger bolt	-0.785012	0.06868	-0.615661	69	175	128	-83.6347	141.7218	-128.106	86.0618
70	M42	Hunger bolt	-0.333028	-0.71418	0.615661	70	-115	52	139.2369	109.4527	-28.4101	135.5761
71	M42	Hunger bolt	0.333028	0.71418	-0.615661	71	65	128	-40.7631	70.5473	151.5899	44.4239