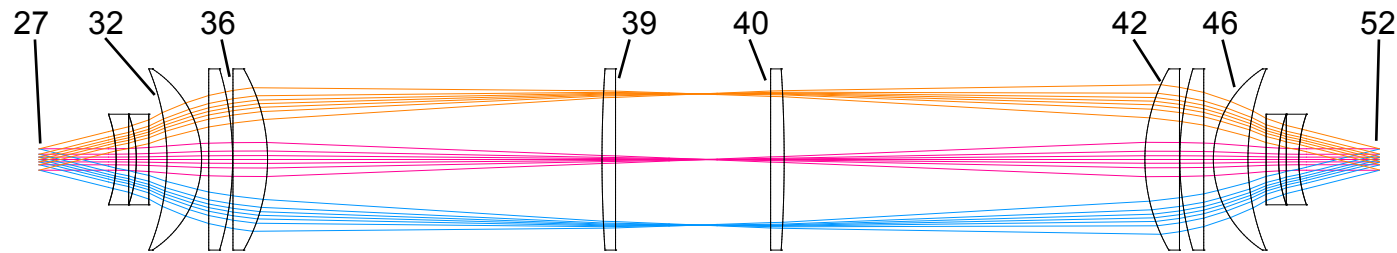


Relay 2 - SM-X to SM-Y relay

Surface #



Surface #	Description	Radius (mm)	Thickness (mm)	Material	Semi-Diameter
27	SM-X	Inf	21.65		
28	LC1582	-38.6	3.5	N-BK7	12.7
29		Inf	2.15		12.7
30	LC1582	-38.6	3.5	N-BK7	12.7
31		Inf	5.1		12.7
32	LE1076	-65.8	9.7	N-BK7	25.4
33		-30.3	2		25.4
34	LA1399	Inf	6.7	N-BK7	25.4
35		-90.1	0.1		25.4
36	LA1050	Inf	9.7	N-BK7	25.4
37		-51.5	93.77		25.4
38	LA1727	386.3	3.8	N-BK7	25.4
39		Inf	43.178		25.4
40	LA1727	Inf	3.8	N-BK7	25.4
41		-386.3	101.14		25.4
42	LA1050	51.5	9.7	N-BK7	25.4
43		Inf	0.1		25.4
44	LA1399	90.1	6.7	N-BK7	25.4
45		Inf	2.7		25.4
46	LE1076	30.3	9.7	N-BK7	25.4
47		65.8	5.1		25.4
48	LC1582	Inf	3.5	N-BK7	12.7
49		38.6	2.15		12.7
50	LC1582	Inf	3.5	N-BK7	12.7
51		38.6	22.6		12.7
52	SM-Y	Inf	next page		

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**Supplementary Figure 2. Full prescription data for the X scanning mirror (SM-X) to Y scanning mirror (SM-Y) relay.**  
The optical relay was constructed from COTS components and was designed to minimize aberrations at high scan angles.