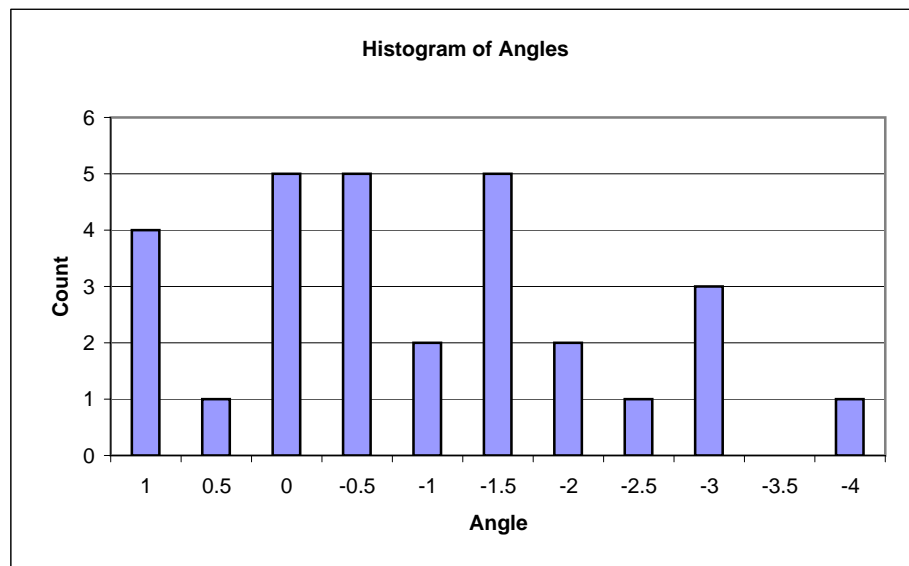


## Pin angle of Batch M TX opto plugins

An MT12 connector was mounted on the pins to ease measurement.  
Readings were taken of the angle of the top and bottom edges for confirmation.

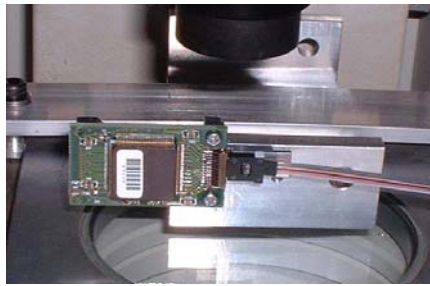
Serial Number	Top Angle	Bottom Angle	Average Angle	Power unmated	Power mated	% coupling
ST163	0	0	0	1094	1086	101%
ST164	1	1	1	1067	999	107%
ST165	-0.5	-0.5	-0.5	1185	1099	108%
ST166	-1.5	-1.5	-1.5	373	1036	36%
ST167	-1.5	-1	-1.25	696	1068	65%
ST168	-0.5	-0.5	-0.5			-100%
ST169	0	0	0	995	994	100%
ST170	0.5	1	0.75	814	1009	81%
ST172	-3	-3	-3			-100%
ST173	-2	-2	-2	106	967	11%
ST175	0	0.5	0.25		1051	-100%
ST176	pins broken off			103		-100%
ST177	1	1	1	1030	1047	98%
ST178	1	1	1	985	1009	98%
ST179	1	1	1	1027	1027	100%
ST180	-1.5	-1.5	-1.5	297	1053	28%
ST181	-4	-3.5	-3.75	85	387	22%
ST182	-0.5	-0.5	-0.5	686	1150	60%
ST183	-1	-1	-1		1150	-100%
ST184	-2	-1.5	-1.75	122	122	100%
ST185	0	0	0	234	1271	18%
ST186	0	0	0	260	1302	20%
ST187	-1.5	-1.5	-1.5	475	1217	39%
ST188	-1.5	-1.5	-1.5	161	1167	14%
ST189	-3	-3	-3	124	735	17%
ST190	-0.5	-0.5	-0.5	633	1170	54%
ST191	-2.5	-2	-2.25	210	1147	18%
ST192	-3	-3	-3	187	1220	15%
ST193	-1	-1	-1	298	1304	23%
ST195	-0.5	0	-0.25	716	1160	62%

Angle	Count
1	4
0.5	1
0	5
-0.5	5
-1	2
-1.5	5
-2	2
-2.5	1
-3	3
-3.5	0
-4	1



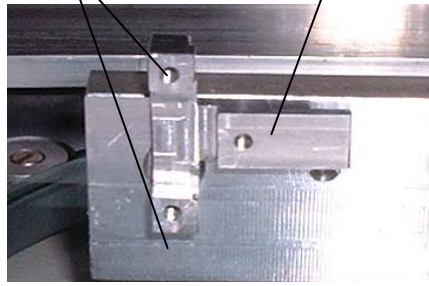


Profile Projector

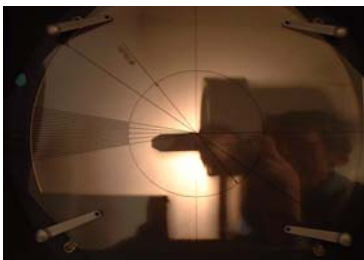


Measurement setup

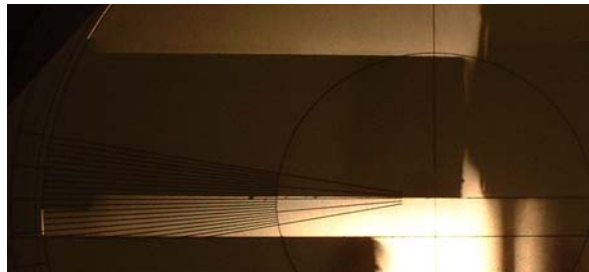
mountings reference



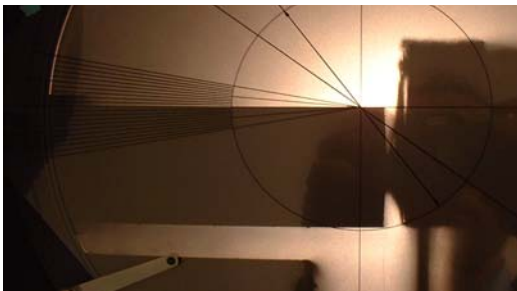
Jig showing mounting and reference surfaces



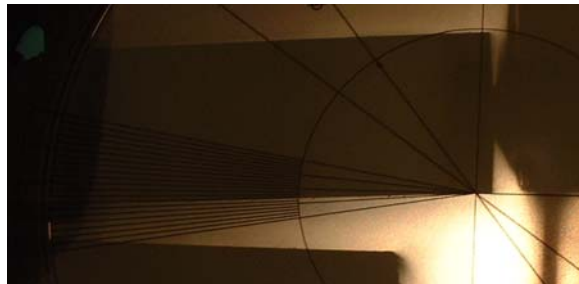
pins without MT12



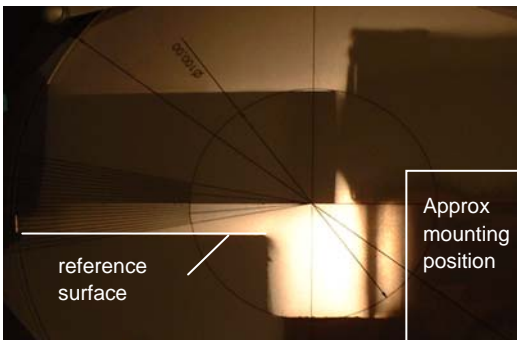
ST178: +1°



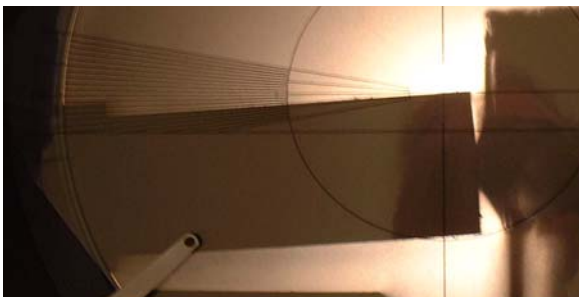
ST169: 0° top edge measurement



ST172: -3°

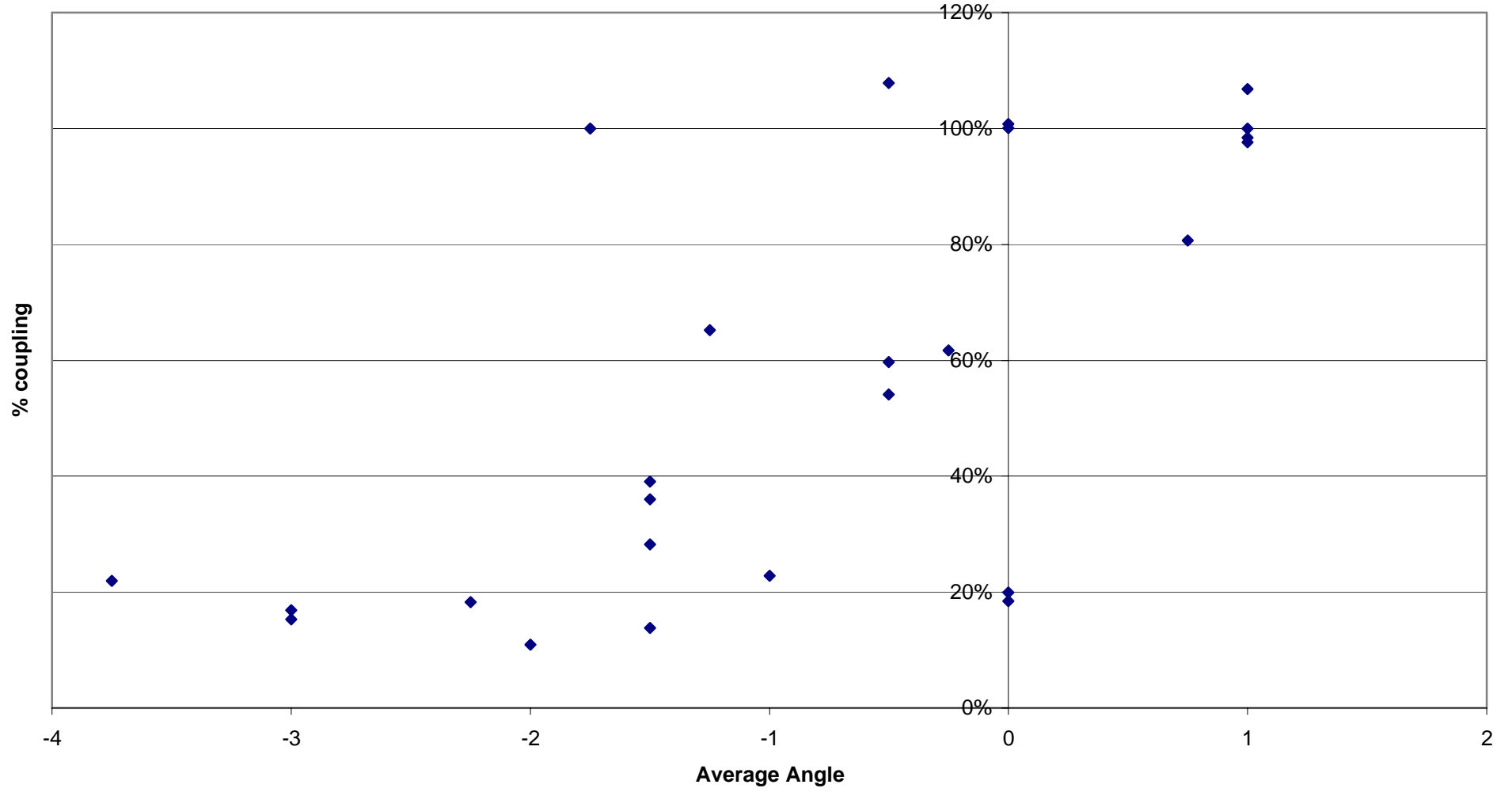


ST169: 0° bottom edge measurement



ST181: -4°

%  
coupling

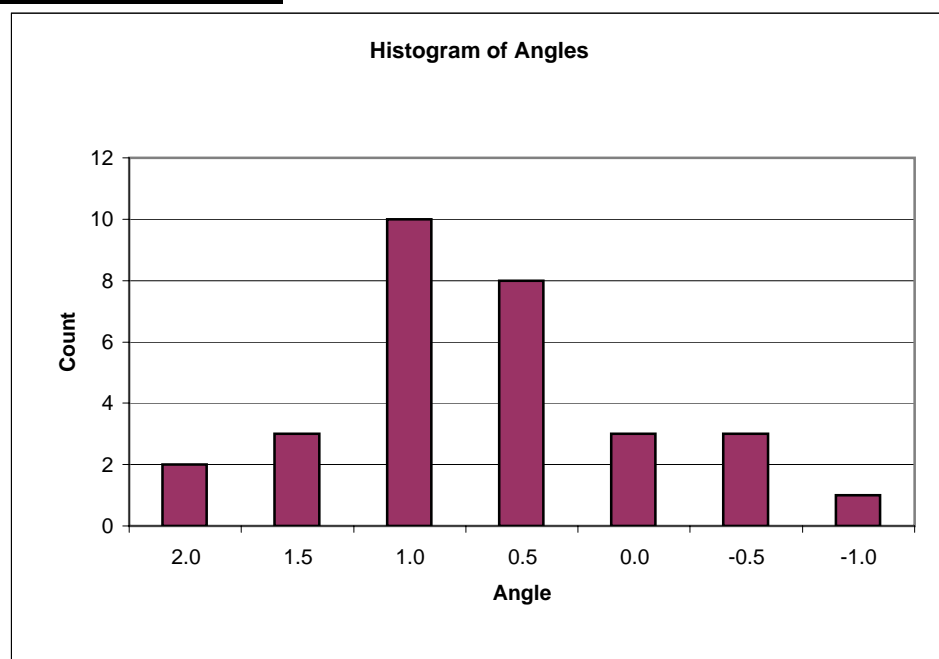


## Pin angle of Batch M RX opto plugins

Measurements taken using the same method as for the TX modules.

Serial No.	Top Angle	Bottom Angle	Average
SR303	1.5	1.5	1.5
SR304	0.5	0.5	0.5
SR305	1.0	1.0	1.0
SR306	0.0	0.0	0.0
SR307	1.0	1.0	1.0
SR308	0.0	0.0	0.0
SR309	1.0	1.0	1.0
SR310	-0.5	-0.5	-0.5
SR311	0.5	0.5	0.5
SR312	0.5	0.5	0.5
SR313	1.5	1.5	1.5
SR314	0.0	0.0	0.0
SR315	1.0	1.0	1.0
SR316	0.5	1.0	0.8
SR317	1.5	1.5	1.5
SR318	1.0	1.0	1.0
SR319	0.5	1.0	0.8
SR320	1.0	1.0	1.0
SR321	-0.5	-0.5	-0.5
SR322	-0.5	-0.5	-0.5
SR323	1.0	1.0	1.0
SR324	2.0	2.0	2.0
SR325	0.5	0.5	0.5
SR326	1.0	1.5	1.3
SR327	1.0	1.0	1.0
SR328	0.5	1.0	0.8
SR329	1.0	1.0	1.0
SR330	2.0	2.0	2.0
SR331	-1.0	-1.0	-1.0
SR332	0.5	0.5	0.5

Angle	Count
2.0	2
1.5	3
1.0	10
0.5	8
0.0	3
-0.5	3
-1.0	1



Pin angle of Batch L TX opto plugins

Serial No.	Top Angle	Bottom Angle	Average
ST139	-1	-1	-1
ST144	-0.5	-0.5	-0.5
ST146	-0.5	-0.5	-0.5
ST160	0	0	0
ST162	0	0	0