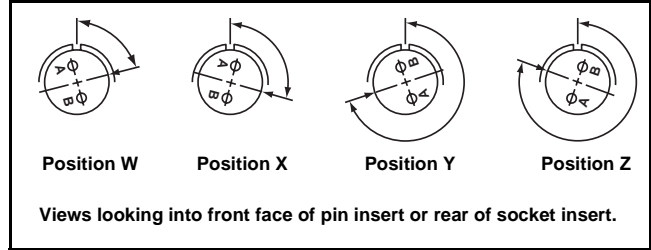


# Amphenol® Miniature Cylindrical alternate positioning

## Alternate Positioning

To avoid cross-plugging problems in applications requiring the use of more than one miniature cylindrical connector of the same size and arrangement, alternate insert rotations are available as indicated in the accompanying chart.

As shown in the diagram at right, the front face of the pin insert is rotated within the shell in a clockwise direction from the normal shell key. The socket insert would be rotated counterclockwise the same number of degrees in respect to the normal shell key.



Shell Size	Insert Arrangement	Insert Rotation			
		Degrees			
		W	X	Y	Z
6	6-1	—	—	—	—
8	8-2*	58	122	—	—
8	8-3	60	210	—	—
8	8-4*	45	97	184	—
8	8-33*	90	—	—	—
8	8-98	—	—	—	—
10	10-2	45	90	315	—
10	10-5*	45	151	180	270
10	10-6*	90	—	—	—
10	10-70	—	—	—	—
10	10-98*	90	180	240	270
12	12-3*	—	—	180	—
12	12-4*	38	—	—	—
12	12-8	90	112	203	292
12	12-10*	60	155	270	295
12	12-14	—	—	—	—
12	12-98*	61	135	189	340
14	14-2	58	122	—	—
14	14-4*	45	—	—	—
14	14-5*	40	92	184	273
14	14-8	48	162	189	312
14	14-12*	43	90	—	—
14	14-15*	17	110	155	234
14	14-18*	15	90	180	270
14	14-19*	30	165	315	—
14	14-22	45	—	—	—
14	14-71	—	—	—	—
14	14-91HV	—	60	—	—
14	14-AA*	45	—	—	—
16	16-8*	54	152	180	331
16	16-23	158	270	—	—
16	16-26*	60	—	275	338
16	16-70	41	122	216	286
16	16-76	—	—	—	—
16	16-99*	66	156	223	340
18	18-5	55	97	263	315
18	18-8	180	—	—	—

Shell Size	Insert Arrangement	Insert Rotation			
		Degrees			
		W	X	Y	Z
18	18-11*	62	119	241	340
18	18-30*	180	193	285	350
18	18-32*	85	138	222	265
18	18-71	18	108	127	215
18	18-72	53	102	213	293
18	18-75	45	—	—	—
18	18-76	—	—	—	—
18	18-80	45	90	135	160
18	18-91HV	90	180	240	270
20	20-16*	238	318	333	347
20	20-24	70	145	215	290
20	20-25	72	144	216	288
20	20-26	13	107	210	322
20	20-27	72	144	216	288
20	20-39*	63	144	252	333
20	20-41*	45	126	225	—
20	20-70	63	135	222	335
20	20-90	45	135	225	315
22	22-7	19	41	—	—
22	22-21*	16	135	175	349
22	22-25	60	125	211	336
22	22-32	72	145	215	288
22	22-34	62	142	218	298
22	22-36	72	144	216	288
22	22-41	39	135	264	—
22	22-55*	30	142	226	314
22	22-70	30	82	218	312
22	22-71	33	191	236	270
22	22-72	42	200	277	339
22	22-78	19	41	—	—
22	22-96*	19	41	—	—
24	24-31	90	225	255	—
24	24-51	22	171	313	—
24	24-61*	90	180	270	324
24	24-71	39	131	205	281
24	24-79	—	—	—	—

\* Available in Hermetic Class