



Aerotrónica Pin Part Number	Pin Type	PCB Tail		MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		O.D.	Length					
		±.001	Ref.					
<b>CONTACT EXTENSION ± .010 (inches)</b>								
4511-2200-360	22D	.019	.205	NONE	NONE	0.202	0.202	NONE
4511-2201-360	22D	.020	.420	0.350	0.350	0.544	0.544	0.350
3511-2202-360	22D	.015	.240	0.068	0.068	0.262	0.262	0.068
3511-2203-360	22D	.015	.340	0.168	0.168	0.362	0.362	0.168
3511-2204-360	22D	.015	.440	0.268	0.268	0.462	0.462	0.268
3511-2205-360	22D	.019	.540	0.368	0.368	0.562	0.562	0.368
4511-2205-360	22D	.019	.540	0.368	0.368	0.562	0.562	0.368
4511-2206-360	22D	.020	.538	0.535	0.535	0.729	0.729	0.535
4511-2207-360	22D	.019	.232	0.230	0.230	0.424	0.424	0.230
4511-2208-360	22D	.025	.245	0.376	0.376	0.570	0.570	0.376
4511-2209-360	22D	.020	.250	NONE	NONE	0.195	0.195	NONE
4511-2210-360	22D	.020	.437	0.279	0.279	0.473	0.473	0.279
4511-2211-360	22D	.019	.266	0.196	0.196	0.390	0.390	0.196
4511-2212-360	22D	.020	.355	0.158	0.158	0.352	0.352	0.158
4511-2213-360	22D	.021	.345	0.343	0.343	0.537	0.537	0.343
4511-2214-360	22D	.019	.145	0.144	0.144	0.338	0.338	0.144
4511-2215-360	22D	.021	.283	0.281	0.281	0.475	0.475	0.281
4511-2216-360	22D	.020	.122	NONE	NONE	0.149	0.149	NONE
4511-2221-360	22D	.020	.283	1.049	1.049	1.243	1.243	1.049
4511-2223-360	22D	.025	.365	0.471	0.471	0.665	0.665	0.471
4511-2225-360	22D	.019	.492	0.424	0.424	0.618	0.618	0.424
4511-2226-360	22D	0.02	.114	NONE	NONE	0.130	0.130	NONE
4511-2230-360	22D	.020	.220	0.054	0.054	0.248	0.248	0.054
4511-2231-360	22D	.020	.407	0.251	0.251	0.445	0.445	0.251
4511-2232-360	22D	.020	.450	0.234	0.234	0.428	0.428	0.234
4511-2233-360	22D	.020	.440	0.222	0.222	0.416	0.416	0.222
4511-2234-360	22D	.020	.277	0.121	0.121	0.315	0.315	0.121
4511-2235-360	22D	.019	.211	0.013	0.013	0.207	0.207	0.013
4511-2236-360	22D	.019	.180	0.179	0.179	0.373	0.373	0.179
4511-2237-360	22D	.030	.763	0.609	0.609	0.803	0.803	0.609
4511-2241-360	22D	.0275	.157	0.238	0.238	0.432	0.432	0.238
4511-2243-360	22D	.019	.157	0.213	0.213	0.407	0.407	0.213
3511-2250-360	22D	.019	.544	0.479	0.479	0.673	0.673	0.479
4511-2251-360	22D	.019	.236	0.417	0.417	0.611	0.611	0.417



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		MS27472	MS27664	MS27499	MS27508	MS27474
		O.D.	Length	MS27479	MS27497	MS27504		MS27481
		±.001	Ref.	CONTACT EXTENSION ± .010 (inches)				
4511-2252-360	22D	.019	.205	0.745	0.745	0.939	0.939	0.745
3511-2253-360	22D	.019	.500	0.613	0.613	0.807	0.807	0.613
4511-2254-360	22D	.025	.145	0.279	0.279	0.473	0.473	0.279
3511-2255-360	22D	.025	.445	0.581	0.581	0.775	0.775	0.581
4511-2256-360	22D	.025	.345	0.481	0.481	0.675	0.675	0.481
4511-2257-360	22D	.029	.118	0.362	0.362	0.556	0.556	0.362
4511-2258-360	22D	.025	.545	0.677	0.677	0.871	0.871	0.677
4511-2259-360	22D	.031	.762	0.609	0.609	0.803	0.803	0.609
4511-2260-360	22D	.025	.515	0.277	0.277	0.471	0.471	0.277
4511-2261-360	22D	.030	.148	0.336	0.336	0.530	0.530	0.336
4511-2262-360	22D	.019	.137	0.306	0.306	0.500	0.500	0.306
4511-2263-360	22D	.019	.251	0.569	0.569	0.763	0.763	0.569
4511-2264-360	22D	.019	.267	0.113	0.113	0.307	0.307	0.113
4511-2265-360	22D	.019	.410	0.417	0.417	0.611	0.611	0.417
4511-2270-360	22D	.019	.165	0.335	0.335	0.529	0.529	0.335
4511-2271-360	22D	.025	.630	0.764	0.764	0.958	0.958	0.764
3511-2272-360	22D	.019	.769	0.616	0.616	0.810	0.810	0.616
3511-2273-360	22D	.019	.509	0.260	0.260	0.454	0.454	0.260
4511-2274-360	22D	.019	.130	0.041	0.041	0.235	0.235	0.041
4511-2275-360	22D	.019	.200	0.266	0.266	0.460	0.460	0.266
4511-2200-361	22M	.020	.450	0.223	0.223	0.417	0.417	0.223
4511-2201-361	22M	.022	.187	0.320	0.320	0.514	0.514	0.320
3511-2202-361	22M	.019	.562	0.526	0.526	0.720	0.720	0.526
4511-2202-361	22M	.019	.562	0.526	0.526	0.720	0.720	0.526
1511-2203-361	22M	.019	.378	0.232	0.232	0.426	0.426	0.232
3511-2203-361	22M	.019	.378	0.232	0.232	0.426	0.426	0.232
4511-2203-361	22M	.019	.378	0.232	0.232	0.426	0.426	0.232
4511-2204-361	22M	.019	.305	0.925	0.925	1.119	1.119	0.925
4511-2205-361	22M	.019	.305	0.063	0.063	0.257	0.257	0.063
1511-2206-361	22M	.019	.489	0.344	0.344	0.538	0.538	0.344
3511-2206-361	22M	.019	.489	0.344	0.344	0.538	0.538	0.344
4511-2206-361	22M	.019	.489	0.344	0.344	0.538	0.538	0.344
3511-2207-361	22M	.019	.764	0.695	0.695	0.889	0.889	0.695
4511-2207-361	22M	.019	.764	0.695	0.695	0.889	0.889	0.695
4511-2208-361	22M	.019	.200	0.073	0.073	0.267	0.267	0.073
4511-2209-361	22M	.025	.393	0.038	0.038	0.232	0.232	0.038
4511-2210-361	22M	.019	.154	NONE	NONE	0.062	0.062	NONE
3511-2211-361	22M	.019	.300	0.104	0.104	0.298	0.298	0.104
4511-2211-361	22M	.019	.300	0.104	0.104	0.298	0.298	0.104
4511-2212-361	22M	.020	.352	0.157	0.157	0.351	0.351	0.157
4511-2213-361	22M	.019	.444	0.293	0.293	0.487	0.487	0.293
4511-2214-361	22M	.019	.090	0.333	0.333	0.527	0.527	0.333
4511-2215-361	22M	.019	.161	0.014	0.014	0.208	0.208	0.014
1511-2216-361	22M	.019	.352	0.198	0.198	0.392	0.392	0.198
1511-2217-361	22M	.019	.118	0.185	0.185	0.379	0.379	0.185
4511-2218-361	22M	.019	.138	0.205	0.205	0.399	0.399	0.205
4511-2219-361	22M	.019	.157	0.224	0.224	0.418	0.418	0.224
4511-2221-361	22M	.019	.177	0.244	0.244	0.438	0.438	0.244
4511-2223-361	22M	.019	.197	0.264	0.264	0.458	0.458	0.264
4511-2225-361	22M	.019	.217	0.284	0.284	0.478	0.478	0.284
4511-2227-361	22M	.019	.236	0.303	0.303	0.497	0.497	0.303



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		O.D.	Length					
		±.001	Ref.	CONTACT EXTENSION ± .010 (inches)				
3591-2230-361	22M	.018	.393	0.038	0.038	0.232	0.232	0.038
3591-2231-361	22M	.018	.643	0.288	0.288	0.482	0.482	0.288
3591-2232-361	22M	.018	.293	NONE	NONE	0.132	0.132	NONE
3591-2233-361	22M	.025	.393	0.038	0.038	0.232	0.232	0.038
3591-2234-361	22M	.018	.643	0.288	0.288	0.482	0.482	0.288
3591-2235-361	22M	.018	.293	NONE	NONE	0.132	0.132	NONE
3591-2236-361	22M	.025	.393	0.038	0.038	0.232	0.232	0.038
4511-2240-361	22M	.019	.118	0.218	0.218	0.412	0.412	0.218
4511-2241-361	22M	.019	.138	0.238	0.238	0.432	0.432	0.238
4511-2242-361	22M	.019	.157	0.257	0.257	0.451	0.451	0.257
4511-2243-361	22M	.019	.177	0.277	0.277	0.471	0.471	0.277
4511-2244-361	22M	.019	.197	0.297	0.297	0.491	0.491	0.297
4511-2245-361	22M	.019	.217	0.317	0.317	0.511	0.511	0.317
4511-2246-361	22M	.019	.236	0.336	0.336	0.530	0.530	0.336
4511-2247-361	22M	.020	.769	0.614	0.614	0.808	0.808	0.614
4511-2248-361	22M	.019	.318	0.466	0.466	0.660	0.660	0.466
4511-2249-361	22M	.019	.413	0.351	0.351	0.355	0.545	0.351
4511-2000-363	20	.025	.297	0.234	0.234	0.428	0.428	0.234
4511-2001-363	20	.026	.200	0.319	0.319	0.513	0.513	0.319
1511-2002-363	20	.019	.432	0.351	0.351	0.545	0.545	0.351
4511-2002-363	20	.019	.435	0.351	0.351	0.545	0.545	0.351
4511-2003-363	20	.019	.136	0.146	0.146	0.340	0.340	0.146
4511-2004-363	20	.020	.250	0.293	0.293	0.487	0.487	0.293
4511-2005-363	20	.019	.225	NONE	NONE	0.147	0.147	NONE
4511-2006-363	20	.019	.300	0.216	0.216	0.410	0.410	0.216
4511-2007-363	20	.025	.377	0.152	0.152	0.346	0.346	0.152
4511-2008-363	20	.025	.343	0.063	0.063	0.257	0.257	0.063
4511-2009-363	20	.025	.401	0.154	0.154	0.348	0.348	0.154
3511-2010-363	20	.019	.085	0.223	0.223	0.417	0.417	0.223
1511-2011-363	20	.019	.406	0.225	0.225	0.419	0.419	0.225
1511-2012-363	20	.019	.410	0.141	0.141	0.335	0.335	0.141
4511-2030-363	20	.040	.275	0.447	0.447	0.641	0.641	0.447
4511-2031-363	20	.025	.551	0.351	0.351	0.545	0.545	0.351
4511-2032-363	20	.023	.276	0.412	0.412	0.606	0.606	0.412
4511-2033-363	20	.025	.160	0.144	0.144	0.338	0.338	0.144
4511-2034-363	20	.025	.195	0.179	0.179	0.373	0.373	0.179
4511-2035-363	20	.025	.317	0.263	0.263	0.457	0.457	0.263
3511-2036-363	20	.019	.638	0.559	0.559	0.753	0.753	0.559
4511-2237-363	20	.019	.378	0.229	0.229	0.423	0.423	0.229
4511-2038-363	20	.019	.502	0.345	0.345	0.539	0.539	0.345
4511-2039-363	20	.030	.136	0.146	0.146	0.340	0.340	0.146
4511-2040-363	20	.019	.635	0.558	0.558	0.752	0.752	0.558
4511-2041-363	20	.019	.153	0.371	0.371	0.565	0.565	0.371
4511-2042-363	20	.019	.927	0.864	0.864	1.058	1.058	0.864
4511-2043-363	20	.028	.120	0.299	0.299	0.493	0.493	0.299
3511-2050-363	20	.025	.948	0.723	0.723	0.917	0.917	0.723
3511-2051-363	20	.025	.893	0.697	0.697	0.891	0.891	0.697
3511-2052-363	20	.032	.893	0.697	0.697	0.891	0.891	0.697
3511-2060-363	20	.025	.118	0.185	0.185	0.379	0.379	0.185
4511-2061-363	20	.025	.138	0.205	0.205	0.399	0.399	0.205
4511-2062-363	20	.025	.157	0.224	0.224	0.418	0.418	0.224



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		O.D.	Length					
		±.001	Ref.	CONTACT EXTENSION ± .010 (inches)				
4511-2063-363	20	.025	.177	0.244	0.244	0.438	0.438	0.244
4511-2064-363	20	.025	.197	0.264	0.264	0.458	0.458	0.264
4511-2065-363	20	.025	.217	0.284	0.284	0.478	0.478	0.284
4511-2066-363	20	.025	.236	0.303	0.303	0.497	0.497	0.303
4511-2067-363	20	.025	.118	0.218	0.218	0.412	0.412	0.218
4511-2068-363	20	.025	.138	0.238	0.238	0.432	0.432	0.238
4511-2069-363	20	.025	.157	0.257	0.257	0.451	0.451	0.257
4511-2070-363	20	.025	.177	0.277	0.277	0.471	0.471	0.277
4511-2071-363	20	.025	.197	0.297	0.297	0.491	0.491	0.297
4511-2072-363	20	.025	.217	0.317	0.317	0.511	0.511	0.317
4511-2073-363	20	.025	.236	0.336	0.336	0.530	0.530	0.336
4511-2074-363	20	.030	.769	0.614	0.614	0.808	0.808	0.614
4511-2075-363	20	.039	.280	0.259	0.259	0.453	0.453	0.259
4511-2076-363	20	.026	.384	0.431	0.431	0.625	0.625	0.431
4511-2077-363	20	.019	.642	0.558	0.558	0.752	0.752	0.558
4511-2078-363	20	.019	.300	0.216	0.216	0.410	0.410	0.216
4511-2079-363	20	.019	.435	0.351	0.351	0.545	0.545	0.351
4511-1600-364	16	.062	.548	0.352	0.352	0.546	0.546	0.352
4511-1601-364	16	.062	.342	0.341	0.341	0.535	0.535	0.341
4511-1602-364	16	.062	.307	0.063	0.063	0.257	0.257	0.063
4511-1603-364	16	.048	.547	0.351	0.351	0.545	0.545	0.351
4511-1604-364	16	.062	.387	0.113	0.113	0.307	0.307	0.113
4511-1605-364	16	.057	.118	0.362	0.362	0.556	0.556	0.362
4511-1606-364	16	.050	.170	0.283	0.283	0.477	0.477	0.283
4511-1607-364	16	.062	.752	0.607	0.607	0.801	0.801	0.607
4511-1608-364	16	.062	.090	0.104	0.104	0.298	0.298	0.104
4511-1609-364	16	.062	.548	0.451	0.451	0.645	0.645	0.451
4511-1610-364	16	.025	.436	0.352	0.352	0.546	0.546	0.352
4511-1611-364	16	.025	.165	0.144	0.144	0.338	0.338	0.144
4511-1612-364	16	.025	.200	0.179	0.179	0.373	0.373	0.179
4511-1613-364	16	.025	.238	0.217	0.217	0.411	0.411	0.217
4511-1618-364	16	.025	.085	0.223	0.223	0.417	0.417	0.223
4511-1620-364	16	.040	.548	0.259	0.259	0.453	0.453	0.259
4511-1621-364	16	.040	.629	0.340	0.340	0.534	0.534	0.340
4511-1630-364	16	.035	.135	NONE	NONE	0.150	0.150	NONE
4511-1640-364	16	.062	.118	0.185	0.185	0.379	0.379	0.185
4511-1641-364	16	.062	.138	0.205	0.205	0.399	0.399	0.205
4511-1642-364	16	.062	.157	0.224	0.224	0.418	0.418	0.224
4511-1643-364	16	.062	.177	0.244	0.244	0.438	0.438	0.244
4511-1644-364	16	.062	.197	0.264	0.264	0.458	0.458	0.264
4511-1645-364	16	.062	.217	0.284	0.284	0.478	0.478	0.284
4511-1646-364	16	.062	.236	0.303	0.303	0.497	0.497	0.303
4511-1647-364	16	.062	.118	0.218	0.218	0.412	0.412	0.218
4511-1648-364	16	.062	.138	0.238	0.238	0.432	0.432	0.238
4511-1649-364	16	.062	.157	0.257	0.257	0.451	0.451	0.257
4511-1650-364	16	.062	.177	0.277	0.277	0.471	0.471	0.277
4511-1651-364	16	.062	.197	0.297	0.297	0.491	0.491	0.297
4511-1652-364	16	.062	.217	0.317	0.317	0.511	0.511	0.317
4511-1653-364	16	.062	.236	0.336	0.336	0.530	0.530	0.336
4511-1654-364	16	.048	.893	0.697	0.697	0.891	0.891	0.697
4511-1655-364	16	.060	.769	0.614	0.614	0.808	0.808	0.614



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Aerotrronics Pin Part Number	Pin Type	PCB Tail		MS27472 MS27479	MS27664 MS27497	MS27499 MS27504 MS27513	MS27508	MS27474 MS27481
		O.D.	Length					
		±.001	Ref.	CONTACT EXTENSION ± .010 (inches)				
4511-1656-364	16	.062	.301	0.229	0.229	0.423	0.423	0.229
4511-1657-364	16	.062	.434	0.266	0.266	0.460	0.460	0.266
4511-1658-364	16	.039	.120	0.299	0.299	0.493	0.493	0.299
4511-1200-365	12	.081	.643	0.351	0.351	0.545	0.545	0.351
4511-1201-365	12	.081	.473	0.181	0.181	0.375	0.375	0.181
4511-1202-365	12	.081	.243	NONE	NONE	0.145	0.145	NONE
4511-1203-365	12	.081	.523	0.231	0.231	0.425	0.425	0.231
4511-1204-365	12	.081	.157	0.185	0.185	0.379	0.379	0.185
4511-1205-365	12	.081	.213	0.205	0.205	0.399	0.399	0.205
4511-1206-365	12	.081	.244	0.224	0.224	0.418	0.418	0.224
4511-1210-365	12	.081	.145	0.244	0.244	0.438	0.438	0.244
4511-1211-365	12	.081	.180	0.264	0.264	0.458	0.458	0.264
4511-1230-365	12	.081	.300	0.284	0.284	0.478	0.478	0.284
4511-1240-365	12	.081	.118	0.303	0.303	0.497	0.497	0.303
4511-1241-365	12	.081	.138	0.218	0.218	0.412	0.412	0.218
4511-1242-365	12	.081	.157	0.238	0.238	0.432	0.432	0.238
4511-1243-365	12	.081	.177	0.257	0.257	0.451	0.451	0.257
4511-1244-365	12	.081	.197	0.277	0.277	0.471	0.471	0.277
4511-1245-365	12	.081	.217	0.297	0.297	0.491	0.491	0.297
4511-1246-365	12	.081	.236	0.317	0.317	0.511	0.511	0.317
4511-1247-365	12	.081	.118	0.336	0.336	0.530	0.530	0.336
4511-1248-365	12	.081	.138	0.238	0.238	0.432	0.432	0.238
4511-1249-365	12	.081	.157	0.257	0.257	0.451	0.451	0.257
4511-1250-365	12	.081	.177	0.277	0.277	0.471	0.471	0.277
4511-1251-365	12	.081	.197	0.297	0.297	0.491	0.491	0.297
4511-1252-365	12	.081	.217	0.317	0.317	0.511	0.511	0.317
4511-1253-365	12	.081	.236	0.336	0.336	0.530	0.530	0.336
4511-1254-365	12	.094	.242	0.261	0.261	0.455	0.455	0.261