



| Aerotrónica Pin Part Number | Pin Type | PCB Tail | | MS27466 MS27652 | MS27515 MS27654 MS27656 | MS27496 | MS27505 | MS27468 Shells 9 - 17 | MS27468 Shells 19 - 25 |
|--|----------|----------|--------|--------------------|-------------------------------|---------|---------|-----------------------------|------------------------------|
| | | O.D. | Length | | | | | | |
| | | ±.001 | Ref. | | | | | | |
| CONTACT EXTENSION ± .010 (inches) | | | | | | | | | |
| 4511-2200-360 | 22D | .019 | .205 | NONE | NONE | 0.202 | 0.201 | NONE | NONE |
| 4511-2201-360 | 22D | .020 | .420 | 0.352 | 0.345 | 0.544 | 0.543 | 0.337 | 0.321 |
| 3511-2202-360 | 22D | .015 | .240 | 0.070 | 0.063 | 0.262 | 0.261 | 0.055 | 0.039 |
| 3511-2203-360 | 22D | .015 | .340 | 0.170 | 0.163 | 0.362 | 0.361 | 0.155 | 0.139 |
| 3511-2204-360 | 22D | .015 | .440 | 0.270 | 0.263 | 0.462 | 0.461 | 0.255 | 0.239 |
| 4511-2205-360 | 22D | .019 | .540 | 0.370 | 0.363 | 0.562 | 0.561 | 0.355 | 0.339 |
| 3511-2205-360 | 22D | .019 | .540 | 0.370 | 0.363 | 0.562 | 0.561 | 0.355 | 0.339 |
| 4511-2206-360 | 22D | .020 | .538 | 0.537 | 0.530 | 0.729 | 0.728 | 0.522 | 0.506 |
| 4511-2207-360 | 22D | .019 | .232 | 0.232 | 0.225 | 0.424 | 0.423 | 0.217 | 0.201 |
| 4511-2208-360 | 22D | .025 | .245 | 0.378 | 0.371 | 0.570 | 0.569 | 0.363 | 0.347 |
| 4511-2209-360 | 22D | .020 | .250 | NONE | NONE | 0.195 | 0.194 | NONE | NONE |
| 4511-2210-360 | 22D | .020 | .437 | 0.281 | 0.274 | 0.473 | 0.472 | 0.266 | 0.250 |
| 4511-2211-360 | 22D | .019 | .266 | 0.198 | 0.191 | 0.390 | 0.389 | 0.183 | 0.167 |
| 4511-2212-360 | 22D | .020 | .355 | 0.160 | 0.153 | 0.352 | 0.351 | 0.145 | 0.129 |
| 4511-2213-360 | 22D | .021 | .345 | 0.343 | 0.336 | 0.536 | 0.535 | 0.327 | 0.314 |
| 4511-2214-360 | 22D | .019 | .145 | 0.146 | 0.139 | 0.338 | 0.337 | 0.131 | 0.115 |
| 4511-2215-360 | 22D | .021 | .283 | 0.283 | 0.276 | 0.475 | 0.474 | 0.268 | 0.252 |
| 4511-2216-360 | 22D | .020 | .122 | NONE | NONE | 0.149 | 0.148 | NONE | NONE |
| 4511-2221-360 | 22D | .020 | 0.283 | 1.052 | 1.045 | 1.244 | 1.243 | 1.037 | 1.021 |
| 4511-2223-360 | 22D | .025 | 0.365 | 0.473 | 0.466 | 0.665 | 0.664 | 0.458 | 0.442 |
| 4511-2225-360 | 22D | .019 | 0.492 | 0.426 | 0.419 | 0.618 | 0.617 | 0.411 | 0.395 |
| 4511-2226-360 | 22D | .024 | 0.114 | NONE | NONE | 0.130 | 0.129 | NONE | NONE |
| 4511-2230-360 | 22D | .020 | .220 | 0.056 | 0.049 | 0.248 | 0.247 | 0.041 | 0.025 |
| 4511-2231-360 | 22D | .020 | .407 | 0.253 | 0.246 | 0.445 | 0.444 | 0.238 | 0.222 |
| 4511-2232-360 | 22D | .020 | .450 | 0.236 | 0.229 | 0.428 | 0.427 | 0.221 | 0.205 |
| 4511-2233-360 | 22D | .020 | .440 | 0.224 | 0.217 | 0.416 | 0.415 | 0.209 | 0.193 |
| 4511-2234-360 | 22D | .020 | .277 | 0.123 | 0.116 | 0.315 | 0.314 | 0.108 | 0.092 |
| 4511-2235-360 | 22D | .019 | .211 | 0.015 | NONE | 0.207 | 0.206 | NONE | NONE |
| 4511-2236-360 | 22D | .019 | .180 | 0.181 | 0.174 | 0.373 | 0.372 | 0.166 | 0.150 |
| 4511-2237-360 | 22D | .030 | .763 | 0.611 | 0.604 | 0.803 | 0.802 | 0.596 | 0.580 |
| 4511-2241-360 | 22D | .028 | .157 | 0.240 | 0.233 | 0.432 | 0.431 | 0.225 | 0.209 |
| 4511-2243-360 | 22D | .019 | .157 | 0.215 | 0.208 | 0.407 | 0.406 | 0.200 | 0.184 |
| 3511-2250-360 | 22D | .019 | .544 | 0.481 | 0.474 | 0.673 | 0.672 | 0.466 | 0.450 |
| 4511-2251-360 | 22D | .019 | .236 | 0.419 | 0.412 | 0.611 | 0.610 | 0.404 | 0.388 |



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| Aerotronics Pin Part Number | Pin Type | PCB Tail | | MS27466 MS27652 | MS27515 MS27654 MS27656 | MS27496 | MS27505 | MS27468 Shells 9 - 17 | MS27468 Shells 19 - 25 |
|-----------------------------|----------|----------|--------|-----------------------------------|-------------------------------|---------|---------|-----------------------------|------------------------------|
| | | O.D. | Length | | | | | | |
| | | ±.001 | Ref. | CONTACT EXTENSION ± .010 (inches) | | | | | |
| 4511-2252-360 | 22D | .019 | .205 | 0.747 | 0.740 | 0.939 | 0.938 | 0.732 | 0.716 |
| 3511-2253-360 | 22D | .019 | .500 | 0.615 | 0.608 | 0.807 | 0.806 | 0.600 | 0.584 |
| 4511-2254-360 | 22D | .025 | .145 | 0.281 | 0.274 | 0.473 | 0.472 | 0.266 | 0.250 |
| 3511-2255-360 | 22D | .025 | .445 | 0.583 | 0.576 | 0.775 | 0.774 | 0.568 | 0.552 |
| 4511-2256-360 | 22D | .025 | .345 | 0.483 | 0.476 | 0.675 | 0.674 | 0.468 | 0.452 |
| 4511-2257-360 | 22D | .029 | .118 | 0.364 | 0.357 | 0.556 | 0.555 | 0.349 | 0.333 |
| 3511-2258-360 | 22D | .025 | .545 | 0.679 | 0.672 | 0.871 | 0.870 | 0.664 | 0.648 |
| 3511-2259-360 | 22D | .031 | .762 | 0.611 | 0.604 | 0.803 | 0.802 | 0.596 | 0.580 |
| 3511-2260-360 | 22D | .025 | .515 | 0.279 | 0.272 | 0.471 | 0.470 | 0.264 | 0.248 |
| 4511-2261-360 | 22D | .030 | .148 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 4511-2262-360 | 22D | .019 | .137 | 0.308 | 0.301 | 0.500 | 0.499 | 0.293 | 0.277 |
| 4511-2263-360 | 22D | .019 | .251 | 0.571 | 0.564 | 0.763 | 0.762 | 0.556 | 0.540 |
| 4511-2264-360 | 22D | .019 | .267 | 0.115 | 0.108 | 0.307 | 0.306 | 0.100 | 0.084 |
| 4511-2265-360 | 22D | .019 | .410 | 0.419 | 0.412 | 0.611 | 0.610 | 0.404 | 0.388 |
| 4511-2270-360 | 22D | .019 | .165 | 0.337 | 0.330 | 0.529 | 0.528 | 0.322 | 0.306 |
| 4511-2271-360 | 22D | .025 | .630 | 0.766 | 0.759 | 0.958 | 0.957 | 0.751 | 0.735 |
| 3511-2272-360 | 22D | .019 | .769 | 0.618 | 0.611 | 0.810 | 0.809 | 0.603 | 0.587 |
| 3511-2273-360 | 22D | .019 | .509 | 0.262 | 0.255 | 0.454 | 0.453 | 0.247 | 0.231 |
| 4511-2274-360 | 22D | .019 | .130 | 0.043 | 0.036 | 0.235 | 0.234 | 0.028 | 0.012 |
| 4511-2275-360 | 22D | .019 | .200 | 0.268 | 0.261 | 0.460 | 0.459 | 0.253 | 0.237 |
| 4511-2200-361 | 22M | .020 | .450 | 0.225 | 0.218 | 0.417 | 0.416 | 0.210 | 0.194 |
| 4511-2201-361 | 22M | .022 | .187 | 0.322 | 0.315 | 0.514 | 0.513 | 0.307 | 0.291 |
| 3511-2202-361 | 22M | .019 | .570 | 0.528 | 0.521 | 0.720 | 0.719 | 0.513 | 0.497 |
| 4511-2202-361 | 22M | .019 | .570 | 0.528 | 0.521 | 0.720 | 0.719 | 0.513 | 0.497 |
| 1511-2203-361 | 22M | .019 | .378 | 0.227 | 0.220 | 0.419 | 0.418 | 0.212 | 0.196 |
| 3511-2203-361 | 22M | .019 | .378 | 0.227 | 0.220 | 0.419 | 0.418 | 0.212 | 0.196 |
| 4511-2203-361 | 22M | .019 | .378 | 0.227 | 0.220 | 0.419 | 0.418 | 0.212 | 0.196 |
| 4511-2204-361 | 22M | .019 | .305 | 0.927 | 0.920 | 1.119 | 1.118 | 0.912 | 0.896 |
| 4511-2205-361 | 22M | .019 | .305 | 0.065 | 0.058 | 0.257 | 0.256 | 0.050 | 0.034 |
| 1511-2206-361 | 22M | .019 | .489 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 3511-2206-361 | 22M | .019 | .489 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 4511-2206-361 | 22M | .019 | .489 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 3511-2207-361 | 22M | .019 | .764 | 0.697 | 0.690 | 0.889 | 0.888 | 0.682 | 0.666 |
| 4511-2207-361 | 22M | .019 | .764 | 0.697 | 0.690 | 0.889 | 0.888 | 0.682 | 0.666 |
| 4511-2208-361 | 22M | .019 | .200 | 0.075 | 0.068 | 0.267 | 0.266 | 0.060 | 0.044 |
| 4511-2209-361 | 22M | .026 | .393 | 0.039 | 0.032 | 0.231 | 0.230 | 0.024 | 0.008 |
| 4511-2210-361 | 22M | .019 | .154 | NONE | NONE | 0.062 | 0.061 | NONE | NONE |
| 3511-2211-361 | 22M | .019 | .300 | 0.106 | 0.099 | 0.298 | 0.297 | 0.091 | 0.075 |
| 4511-2211-361 | 22M | .019 | .300 | 0.106 | 0.099 | 0.298 | 0.297 | 0.091 | 0.075 |
| 3511-2212-361 | 22M | .020 | .352 | 0.159 | 0.152 | 0.351 | 0.350 | 0.144 | 0.128 |
| 4511-2213-361 | 22M | .019 | .444 | 0.295 | 0.288 | 0.487 | 0.486 | 0.280 | 0.264 |
| 4511-2214-361 | 22M | .019 | .090 | 0.335 | 0.328 | 0.527 | 0.526 | 0.320 | 0.304 |
| 4511-2215-361 | 22M | .019 | .161 | 0.016 | 0.009 | 0.208 | 0.207 | NONE | NONE |
| 4511-2216-361 | 22M | .019 | .352 | 0.200 | 0.193 | 0.392 | 0.391 | 0.185 | 0.169 |
| 4511-2217-361 | 22M | .019 | .118 | 0.187 | 0.180 | 0.379 | 0.378 | 0.172 | 0.156 |
| 4511-2218-361 | 22M | .019 | .138 | 0.207 | 0.200 | 0.399 | 0.398 | 0.192 | 0.176 |
| 4511-2219-361 | 22M | .019 | .157 | 0.226 | 0.219 | 0.418 | 0.417 | 0.211 | 0.195 |
| 4511-2221-361 | 22M | .019 | .177 | 0.246 | 0.239 | 0.438 | 0.437 | 0.231 | 0.215 |
| 4511-2223-361 | 22M | .019 | .197 | 0.266 | 0.259 | 0.458 | 0.457 | 0.251 | 0.235 |
| 4511-2225-361 | 22M | .019 | .217 | 0.286 | 0.279 | 0.478 | 0.477 | 0.271 | 0.255 |
| 4511-2227-361 | 22M | .019 | .236 | 0.305 | 0.298 | 0.497 | 0.496 | 0.290 | 0.274 |



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| Aerotronics Pin Part Number | Pin Type | PCB Tail | | MS27466 MS27652 | MS27515 MS27654 MS27656 | MS27496 | MS27505 | MS27468 Shells 9 - 17 | MS27468 Shells 19 - 25 |
|-----------------------------|----------|----------|--------|-----------------------------------|-------------------------------|---------|---------|-----------------------------|------------------------------|
| | | O.D. | Length | | | | | | |
| | | ±.001 | Ref. | CONTACT EXTENSION ± .010 (inches) | | | | | |
| 3591-2230-361 | 22M | .018 | .393 | 0.040 | 0.033 | 0.232 | 0.231 | 0.025 | 0.009 |
| 3591-2231-361 | 22M | .018 | .643 | 0.320 | 0.283 | 0.482 | 0.481 | 0.275 | 0.259 |
| 3591-2232-361 | 22M | .018 | .293 | NONE | NONE | 0.132 | 0.131 | NONE | NONE |
| 3591-2233-361 | 22M | .025 | .393 | 0.040 | 0.033 | 0.232 | 0.231 | 0.025 | 0.009 |
| 3591-2234-361 | 22M | .018 | .643 | 0.290 | 0.283 | 0.482 | 0.481 | 0.275 | 0.259 |
| 3591-2235-361 | 22M | .018 | .293 | NONE | NONE | 0.132 | 0.131 | NONE | NONE |
| 3591-2236-361 | 22M | .025 | .393 | 0.040 | 0.033 | 0.232 | 0.231 | 0.025 | 0.009 |
| 4511-2240-361 | 22M | .019 | .118 | 0.220 | 0.213 | 0.412 | 0.411 | 0.205 | 0.189 |
| 4511-2241-361 | 22M | .019 | .138 | 0.240 | 0.233 | 0.432 | 0.431 | 0.225 | 0.209 |
| 4511-2242-361 | 22M | .019 | .157 | 0.259 | 0.252 | 0.451 | 0.450 | 0.244 | 0.228 |
| 4511-2243-361 | 22M | .019 | .177 | 0.279 | 0.272 | 0.471 | 0.470 | 0.264 | 0.248 |
| 4511-2244-361 | 22M | .019 | .197 | 0.299 | 0.292 | 0.491 | 0.490 | 0.284 | 0.268 |
| 4511-2245-361 | 22M | .019 | .217 | 0.319 | 0.312 | 0.511 | 0.510 | 0.304 | 0.288 |
| 4511-2246-361 | 22M | .019 | .236 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 4511-2247-361 | 22M | .020 | .769 | 0.616 | 0.609 | 0.808 | 0.807 | 0.601 | 0.585 |
| 4511-2248-361 | 22M | .019 | .318 | 0.468 | 0.461 | 0.660 | 0.659 | 0.453 | 0.437 |
| 4511-2249-361 | 22M | .019 | .413 | 0.353 | 0.346 | 0.545 | 0.544 | 0.338 | 0.322 |
| 4511-2000-363 | 20 | .025 | .297 | 0.236 | 0.229 | 0.428 | 0.427 | 0.221 | 0.205 |
| 4511-2001-363 | 20 | .026 | .200 | 0.321 | 0.314 | 0.513 | 0.512 | 0.306 | 0.290 |
| 1511-2002-363 | 20 | .019 | .432 | 0.353 | 0.346 | 0.545 | 0.544 | 0.338 | 0.322 |
| 4511-2002-363 | 20 | .019 | .435 | 0.353 | 0.346 | 0.545 | 0.544 | 0.338 | 0.322 |
| 4511-2003-363 | 20 | .019 | .136 | 0.148 | 0.141 | 0.340 | 0.339 | 0.133 | 0.117 |
| 4511-2004-363 | 20 | .020 | .250 | 0.295 | 0.288 | 0.487 | 0.486 | 0.280 | 0.264 |
| 4511-2005-363 | 20 | .019 | .225 | NONE | NONE | 0.147 | 0.146 | NONE | NONE |
| 4511-2006-363 | 20 | .019 | .300 | 0.218 | 0.211 | 0.410 | 0.409 | 0.203 | 0.187 |
| 4511-2007-363 | 20 | .025 | .377 | 0.154 | 0.147 | 0.346 | 0.345 | 0.139 | 0.123 |
| 4511-2008-363 | 20 | .025 | .343 | 0.065 | 0.058 | 0.257 | 0.256 | 0.050 | 0.034 |
| 4511-2009-363 | 20 | .025 | .401 | 0.156 | 0.149 | 0.348 | 0.347 | 0.141 | 0.125 |
| 3511-2010-363 | 20 | .019 | .085 | 0.225 | 0.218 | 0.417 | 0.416 | 0.210 | 0.194 |
| 1511-2011-363 | 20 | .019 | .406 | 0.227 | 0.220 | 0.419 | 0.418 | 0.212 | 0.196 |
| 1511-2012-363 | 20 | .019 | .410 | 0.143 | 0.136 | 0.335 | 0.334 | 0.128 | 0.112 |
| 4511-2022-363 | 20 | .019 | .250 | 0.295 | 0.288 | 0.487 | 0.486 | 0.280 | 0.264 |
| 4511-2030-363 | 20 | .040 | .275 | 0.449 | 0.442 | 0.641 | 0.640 | 0.434 | 0.418 |
| 4511-2031-363 | 20 | .025 | .551 | 0.353 | 0.346 | 0.545 | 0.544 | 0.338 | 0.322 |
| 4511-2032-363 | 20 | .023 | .276 | 0.414 | 0.407 | 0.606 | 0.605 | 0.399 | 0.383 |
| 4511-2033-363 | 20 | .025 | .160 | 0.146 | 0.139 | 0.338 | 0.337 | 0.131 | 0.115 |
| 4511-2034-363 | 20 | .025 | .195 | 0.181 | 0.174 | 0.373 | 0.372 | 0.166 | 0.150 |
| 4511-2035-363 | 20 | .025 | .317 | 0.265 | 0.258 | 0.457 | 0.456 | 0.250 | 0.234 |
| 3511-2036-363 | 20 | .019 | .638 | 0.561 | 0.554 | 0.753 | 0.752 | 0.546 | 0.530 |
| 4511-2037-363 | 20 | .019 | .378 | 0.231 | 0.224 | 0.423 | 0.422 | 0.216 | 0.200 |
| 4511-2038-363 | 20 | .019 | .502 | 0.347 | 0.340 | 0.539 | 0.538 | 0.332 | 0.316 |
| 4511-2039-363 | 20 | .030 | .136 | 0.148 | 0.141 | 0.340 | 0.339 | 0.133 | 0.117 |
| 4511-2040-363 | 20 | .019 | .635 | 0.560 | 0.553 | 0.752 | 0.751 | 0.545 | 0.529 |
| 4511-2041-363 | 20 | .019 | .153 | 0.373 | 0.366 | 0.568 | 0.564 | 0.358 | 0.342 |
| 3511-2042-363 | 20 | .019 | .927 | 0.866 | 0.859 | 1.058 | 1.057 | 0.851 | 0.835 |
| 4511-2043-363 | 20 | .028 | .120 | 0.301 | 0.294 | 0.493 | 0.492 | 0.286 | 0.270 |
| 3511-2050-363 | 20 | .025 | .948 | 0.725 | 0.718 | 0.917 | 0.916 | 0.710 | 0.694 |
| 3511-2051-363 | 20 | .025 | .893 | 0.699 | 0.692 | 0.891 | 0.890 | 0.684 | 0.668 |
| 3511-2052-363 | 20 | .032 | .893 | 0.699 | 0.692 | 0.891 | 0.890 | 0.684 | 0.668 |
| 3511-2060-363 | 20 | .025 | .118 | 0.187 | 0.180 | 0.379 | 0.378 | 0.172 | 0.156 |
| 4511-2061-363 | 20 | .025 | .138 | 0.207 | 0.200 | 0.399 | 0.398 | 0.192 | 0.176 |



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| Aerotronics Pin Part Number | Pin Type | PCB Tail | | MS27466 MS27652 | MS27515 MS27654 MS27656 | MS27496 | MS27505 | MS27468 Shells 9 - 17 | MS27468 Shells 19 - 25 |
|-----------------------------|----------|----------|--------|-----------------------------------|-------------------------------|---------|---------|-----------------------------|------------------------------|
| | | O.D. | Length | | | | | | |
| | | ±.001 | Ref. | CONTACT EXTENSION ± .010 (inches) | | | | | |
| 4511-2062-363 | 20 | .025 | .157 | 0.226 | 0.219 | 0.418 | 0.417 | 0.211 | 0.195 |
| 4511-2063-363 | 20 | .025 | .177 | 0.246 | 0.239 | 0.438 | 0.437 | 0.231 | 0.215 |
| 4511-2064-363 | 20 | .025 | .197 | 0.266 | 0.259 | 0.458 | 0.457 | 0.251 | 0.235 |
| 4511-2065-363 | 20 | .025 | .217 | 0.286 | 0.279 | 0.478 | 0.477 | 0.271 | 0.255 |
| 4511-2066-363 | 20 | .025 | .236 | 0.305 | 0.298 | 0.497 | 0.496 | 0.290 | 0.274 |
| 4511-2067-363 | 20 | .025 | .118 | 0.220 | 0.213 | 0.412 | 0.411 | 0.205 | 0.189 |
| 4511-2068-363 | 20 | .025 | .138 | 0.240 | 0.233 | 0.432 | 0.431 | 0.225 | 0.209 |
| 4511-2069-363 | 20 | .025 | .157 | 0.259 | 0.252 | 0.451 | 0.450 | 0.244 | 0.228 |
| 4511-2070-363 | 20 | .025 | .177 | 0.279 | 0.272 | 0.471 | 0.470 | 0.264 | 0.248 |
| 4511-2071-363 | 20 | .025 | .197 | 0.299 | 0.292 | 0.491 | 0.490 | 0.284 | 0.268 |
| 4511-2072-363 | 20 | .025 | .217 | 0.319 | 0.312 | 0.511 | 0.510 | 0.304 | 0.288 |
| 4511-2073-363 | 20 | .025 | .236 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 4511-2074-363 | 20 | .030 | .769 | 0.616 | 0.609 | 0.808 | 0.807 | 0.601 | 0.585 |
| 4511-2075-363 | 20 | .039 | .280 | 0.261 | 0.254 | 0.453 | 0.452 | 0.246 | 0.230 |
| 4511-2076-363 | 20 | .026 | .384 | 0.433 | 0.426 | 0.625 | 0.624 | 0.418 | 0.402 |
| 3511-2077-363 | 20 | .019 | .642 | 0.560 | 0.553 | 0.752 | 0.751 | 0.545 | 0.529 |
| 4511-2078-363 | 20 | .019 | .300 | 0.218 | 0.211 | 0.410 | 0.409 | 0.203 | 0.187 |
| 4511-2079-363 | 20 | .019 | .435 | 0.353 | 0.346 | 0.545 | 0.544 | 0.388 | 0.322 |
| 4511-1600-364 | 16 | .062 | .548 | 0.354 | 0.347 | 0.546 | 0.545 | 0.339 | 0.323 |
| 4511-1601-364 | 16 | .062 | .342 | 0.343 | 0.336 | 0.535 | 0.534 | 0.328 | 0.312 |
| 4511-1602-364 | 16 | .062 | .307 | 0.065 | 0.058 | 0.257 | 0.256 | 0.050 | 0.034 |
| 4511-1603-364 | 16 | .048 | .547 | 0.353 | 0.346 | 0.545 | 0.544 | 0.338 | 0.322 |
| 4511-1604-364 | 16 | .062 | .387 | 0.115 | 0.108 | 0.307 | 0.306 | 0.100 | 0.084 |
| 4511-1605-364 | 16 | .057 | .118 | 0.364 | 0.357 | 0.556 | 0.555 | 0.349 | 0.333 |
| 4511-1606-364 | 16 | .050 | .170 | 0.285 | 0.278 | 0.477 | 0.476 | 0.270 | 0.254 |
| 4511-1607-364 | 16 | .062 | .752 | 0.609 | 0.602 | 0.801 | 0.800 | 0.594 | 0.578 |
| 4511-1608-364 | 16 | .062 | .090 | 0.158 | 0.151 | 0.350 | 0.349 | 0.143 | 0.127 |
| 4511-1609-364 | 16 | .062 | .548 | 0.453 | 0.446 | 0.645 | 0.644 | 0.438 | 0.422 |
| 4511-1610-364 | 16 | .025 | .436 | 0.354 | 0.347 | 0.546 | 0.545 | 0.339 | 0.323 |
| 4511-1611-364 | 16 | .025 | .165 | 0.146 | 0.139 | 0.338 | 0.337 | 0.131 | 0.115 |
| 4511-1612-364 | 16 | .025 | .200 | 0.181 | 0.174 | 0.373 | 0.372 | 0.166 | 0.150 |
| 4511-1613-364 | 16 | .025 | .238 | 0.219 | 0.212 | 0.411 | 0.410 | 0.204 | 0.188 |
| 4511-1618-364 | 16 | .025 | .085 | 0.225 | 0.218 | 0.417 | 0.416 | 0.210 | 0.194 |
| 4511-1620-364 | 16 | .040 | .548 | 0.261 | 0.254 | 0.453 | 0.452 | 0.246 | 0.230 |
| 4511-1621-364 | 16 | .040 | .629 | 0.342 | 0.335 | 0.534 | 0.533 | 0.327 | 0.311 |
| 4511-1630-364 | 16 | .035 | .135 | NONE | NONE | 0.150 | 0.149 | NONE | NONE |
| 4511-1640-364 | 16 | .062 | .118 | 0.187 | 0.180 | 0.379 | 0.378 | 0.172 | 0.156 |
| 4511-1641-364 | 16 | .062 | .138 | 0.207 | 0.200 | 0.399 | 0.398 | 0.192 | 0.176 |
| 4511-1642-364 | 16 | .062 | .157 | 0.226 | 0.219 | 0.418 | 0.417 | 0.211 | 0.195 |
| 4511-1643-364 | 16 | .062 | .177 | 0.246 | 0.239 | 0.438 | 0.437 | 0.231 | 0.215 |
| 4511-1644-364 | 16 | .062 | .197 | 0.266 | 0.259 | 0.458 | 0.457 | 0.251 | 0.235 |
| 4511-1645-364 | 16 | .062 | .217 | 0.286 | 0.279 | 0.478 | 0.477 | 0.271 | 0.255 |
| 4511-1646-364 | 16 | .062 | .236 | 0.305 | 0.298 | 0.497 | 0.496 | 0.290 | 0.274 |
| 4511-1647-364 | 16 | .062 | .118 | 0.220 | 0.213 | 0.412 | 0.411 | 0.205 | 0.189 |
| 4511-1648-364 | 16 | .062 | .138 | 0.240 | 0.233 | 0.432 | 0.431 | 0.225 | 0.209 |
| 4511-1649-364 | 16 | .062 | .157 | 0.259 | 0.252 | 0.451 | 0.450 | 0.244 | 0.228 |
| 4511-1650-364 | 16 | .062 | .177 | 0.279 | 0.272 | 0.471 | 0.470 | 0.264 | 0.248 |
| 4511-1651-364 | 16 | .062 | .197 | 0.299 | 0.292 | 0.491 | 0.490 | 0.284 | 0.268 |
| 4511-1652-364 | 16 | .062 | .217 | 0.319 | 0.312 | 0.511 | 0.510 | 0.304 | 0.288 |
| 4511-1653-364 | 16 | .062 | .236 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 4511-1654-364 | 16 | .048 | .893 | 0.699 | 0.692 | 0.891 | 0.890 | 0.684 | 0.668 |



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38999 SERIES I PCB TAIL PINS (inches)

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| Aerotrronics Pin Part Number | Pin Type | PCB Tail | | MS27466 MS27652 | MS27515 MS27654 MS27656 | MS27496 | MS27505 | MS27468 Shells 9 - 17 | MS27468 Shells 19 - 25 |
|------------------------------|----------|----------|--------|-----------------------------------|-------------------------------|---------|---------|-----------------------------|------------------------------|
| | | O.D. | Length | | | | | | |
| | | ±.001 | Ref. | CONTACT EXTENSION ± .010 (inches) | | | | | |
| 4511-1655-364 | 16 | .060 | .769 | 0.616 | 0.609 | 0.808 | 0.807 | 0.601 | 0.585 |
| 4511-1656-364 | 16 | .062 | .301 | 0.231 | 0.224 | 0.423 | 0.422 | 0.216 | 0.200 |
| 4511-1657-364 | 16 | .062 | .434 | 0.268 | 0.261 | 0.460 | 0.459 | 0.253 | 0.237 |
| 4511-1658-364 | 16 | .039 | .120 | 0.301 | 0.294 | 0.493 | 0.492 | 0.286 | 0.270 |
| 4511-1200-365 | 12 | .081 | .643 | 0.353 | 0.346 | 0.545 | 0.544 | 0.338 | 0.322 |
| 4511-1201-365 | 12 | .081 | .473 | 0.183 | 0.176 | 0.375 | 0.374 | 0.168 | 0.152 |
| 4511-1202-365 | 12 | .081 | .243 | NONE | NONE | 0.145 | 0.144 | NONE | NONE |
| 4511-1203-365 | 12 | .081 | .523 | 0.233 | 0.226 | 0.425 | 0.424 | 0.218 | 0.202 |
| 4511-1204-365 | 12 | .081 | .157 | 0.216 | 0.209 | 0.408 | 0.407 | 0.201 | 0.185 |
| 4511-1205-365 | 12 | .081 | .213 | 0.340 | 0.333 | 0.532 | 0.531 | 0.325 | 0.309 |
| 4511-1206-365 | 12 | .081 | .244 | 0.301 | 0.294 | 0.493 | 0.492 | 0.286 | 0.270 |
| 4511-1210-365 | 12 | .081 | .145 | 0.146 | 0.139 | 0.338 | 0.337 | 0.131 | 0.115 |
| 4511-1211-365 | 12 | .081 | .180 | 0.181 | 0.174 | 0.373 | 0.372 | 0.166 | 0.150 |
| 4511-1230-365 | 12 | .081 | .300 | 0.526 | 0.519 | 0.718 | 0.717 | 0.511 | 0.495 |
| 4511-1240-365 | 12 | .081 | .118 | 0.187 | 0.180 | 0.379 | 0.378 | 0.172 | 0.156 |
| 4511-1241-365 | 12 | .081 | .138 | 0.207 | 0.200 | 0.399 | 0.398 | 0.192 | 0.176 |
| 4511-1242-365 | 12 | .081 | .157 | 0.226 | 0.219 | 0.418 | 0.417 | 0.211 | 0.195 |
| 4511-1243-365 | 12 | .081 | .177 | 0.246 | 0.239 | 0.438 | 0.437 | 0.231 | 0.215 |
| 4511-1244-365 | 12 | .081 | .197 | 0.266 | 0.259 | 0.458 | 0.457 | 0.251 | 0.235 |
| 4511-1245-365 | 12 | .081 | .217 | 0.286 | 0.279 | 0.478 | 0.477 | 0.271 | 0.255 |
| 4511-1246-365 | 12 | .081 | .236 | 0.305 | 0.298 | 0.497 | 0.496 | 0.290 | 0.274 |
| 4511-1247-365 | 12 | .081 | .118 | 0.220 | 0.213 | 0.412 | 0.411 | 0.205 | 0.189 |
| 4511-1248-365 | 12 | .081 | .138 | 0.240 | 0.233 | 0.432 | 0.431 | 0.225 | 0.209 |
| 4511-1249-365 | 12 | .081 | .157 | 0.259 | 0.252 | 0.451 | 0.450 | 0.244 | 0.228 |
| 4511-1250-365 | 12 | .081 | .177 | 0.279 | 0.272 | 0.471 | 0.470 | 0.264 | 0.248 |
| 4511-1251-365 | 12 | .081 | .197 | 0.299 | 0.292 | 0.491 | 0.490 | 0.284 | 0.268 |
| 4511-1252-365 | 12 | .081 | .217 | 0.319 | 0.312 | 0.511 | 0.510 | 0.304 | 0.288 |
| 4511-1253-365 | 12 | .081 | .236 | 0.338 | 0.331 | 0.530 | 0.529 | 0.323 | 0.307 |
| 4511-1254-365 | 12 | .094 | .242 | 0.263 | 0.256 | 0.455 | 0.454 | 0.248 | 0.232 |