|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Horizontal | Vertical | Horizontal | Resultant |
| Node | L/C | X mm | Y mm | Z mm | mm |
| 1 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 2 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 3 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 4 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 5 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 6 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 7 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 8 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 9 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 10 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 11 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 12 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 13 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 14 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 15 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 16 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 17 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 18 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 19 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 20 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 21 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 22 | 1(DL+LL) | 0 | 0 | 0 | 0 |
| 23 | 1(DL+LL) | -0.001 | -0.307 | 0.126 | 0.332 |
| 24 | 1(DL+LL) | -0.001 | -0.503 | 0.039 | 0.504 |
| 25 | 1(DL+LL) | -0.001 | -0.467 | 0.046 | 0.469 |
| 26 | 1(DL+LL) | -0.001 | -0.504 | 0.057 | 0.508 |
| 27 | 1(DL+LL) | -0.001 | -0.467 | 0.057 | 0.47 |
| 28 | 1(DL+LL) | 0 | -0.425 | 0.093 | 0.435 |
| 29 | 1(DL+LL) | 0 | -0.425 | 0.093 | 0.435 |
| 30 | 1(DL+LL) | 0.001 | -0.467 | 0.052 | 0.47 |
| 31 | 1(DL+LL) | 0.001 | -0.506 | 0.045 | 0.508 |
| 32 | 1(DL+LL) | 0.001 | -0.466 | 0.033 | 0.467 |
| 33 | 1(DL+LL) | 0.001 | -0.299 | 0.125 | 0.324 |
| 34 | 1(DL+LL) | -0.012 | -0.414 | 0.151 | 0.44 |
| 35 | 1(DL+LL) | -0.008 | -0.685 | 0.095 | 0.691 |
| 36 | 1(DL+LL) | -0.006 | -0.658 | 0.111 | 0.667 |
| 37 | 1(DL+LL) | -0.004 | -0.694 | 0.115 | 0.704 |
| 38 | 1(DL+LL) | -0.002 | -0.656 | 0.122 | 0.667 |
| 39 | 1(DL+LL) | 0 | -0.585 | 0.141 | 0.602 |
| 40 | 1(DL+LL) | 0.001 | -0.585 | 0.14 | 0.602 |
| 41 | 1(DL+LL) | 0.004 | -0.656 | 0.117 | 0.666 |
| 42 | 1(DL+LL) | 0.006 | -0.696 | 0.103 | 0.703 |
| 43 | 1(DL+LL) | 0.008 | -0.656 | 0.097 | 0.663 |
| 44 | 1(DL+LL) | 0.012 | -0.413 | 0.15 | 0.439 |
| 45 | 1(DL+LL) | -0.03 | -1.046 | 1.189 | 1.584 |
| 46 | 1(DL+LL) | -0.024 | -1.739 | 1.069 | 2.041 |
| 47 | 1(DL+LL) | -0.017 | -1.636 | 1.133 | 1.991 |
| 48 | 1(DL+LL) | -0.01 | -1.746 | 1.183 | 2.109 |
| 49 | 1(DL+LL) | -0.004 | -1.635 | 1.194 | 2.025 |
| 50 | 1(DL+LL) | 0.002 | -1.465 | 1.248 | 1.924 |
| 51 | 1(DL+LL) | 0.004 | -1.465 | 1.244 | 1.922 |
| 52 | 1(DL+LL) | 0.01 | -1.636 | 1.164 | 2.007 |
| 53 | 1(DL+LL) | 0.016 | -1.75 | 1.114 | 2.075 |
| 54 | 1(DL+LL) | 0.023 | -1.633 | 1.058 | 1.945 |
| 55 | 1(DL+LL) | 0.03 | -1.015 | 1.186 | 1.562 |
| 56 | 1(DL+LL) | -0.039 | -1.433 | 1.215 | 1.88 |
| 57 | 1(DL+LL) | -0.029 | -2.408 | 1.119 | 2.656 |
| 58 | 1(DL+LL) | -0.02 | -2.336 | 1.18 | 2.618 |
| 59 | 1(DL+LL) | -0.012 | -2.441 | 1.232 | 2.735 |
| 60 | 1(DL+LL) | -0.004 | -2.33 | 1.241 | 2.64 |
| 61 | 1(DL+LL) | 0.002 | -2.049 | 1.29 | 2.421 |
| 62 | 1(DL+LL) | 0.004 | -2.049 | 1.285 | 2.419 |
| 63 | 1(DL+LL) | 0.011 | -2.329 | 1.21 | 2.625 |
| 64 | 1(DL+LL) | 0.019 | -2.448 | 1.163 | 2.71 |
| 65 | 1(DL+LL) | 0.029 | -2.332 | 1.104 | 2.58 |
| 66 | 1(DL+LL) | 0.039 | -1.43 | 1.213 | 1.876 |
| 67 | 1(DL+LL) | 0.001 | -1.584 | 3.042 | 3.43 |
| 68 | 1(DL+LL) | 0.001 | -2.619 | 3.237 | 4.164 |
| 69 | 1(DL+LL) | 0 | -2.477 | 3.415 | 4.219 |
| 70 | 1(DL+LL) | 0 | -2.633 | 3.518 | 4.394 |
| 71 | 1(DL+LL) | -0.001 | -2.475 | 3.506 | 4.291 |
| 72 | 1(DL+LL) | -0.002 | -2.208 | 3.467 | 4.11 |
| 73 | 1(DL+LL) | -0.002 | -2.208 | 3.457 | 4.102 |
| 74 | 1(DL+LL) | -0.003 | -2.475 | 3.446 | 4.243 |
| 75 | 1(DL+LL) | -0.004 | -2.64 | 3.382 | 4.29 |
| 76 | 1(DL+LL) | -0.006 | -2.469 | 3.214 | 4.053 |
| 77 | 1(DL+LL) | -0.008 | -1.531 | 3.052 | 3.415 |
| 78 | 1(DL+LL) | 0 | -2.181 | 3.035 | 3.737 |
| 79 | 1(DL+LL) | 0.001 | -3.65 | 3.216 | 4.865 |
| 80 | 1(DL+LL) | 0.001 | -3.566 | 3.401 | 4.928 |
| 81 | 1(DL+LL) | 0.001 | -3.713 | 3.506 | 5.106 |
| 82 | 1(DL+LL) | 0.001 | -3.553 | 3.493 | 4.982 |
| 83 | 1(DL+LL) | 0 | -3.115 | 3.457 | 4.653 |
| 84 | 1(DL+LL) | 0 | -3.115 | 3.447 | 4.646 |
| 85 | 1(DL+LL) | 0 | -3.551 | 3.433 | 4.939 |
| 86 | 1(DL+LL) | 0 | -3.724 | 3.369 | 5.022 |
| 87 | 1(DL+LL) | 0.001 | -3.553 | 3.201 | 4.783 |
| 88 | 1(DL+LL) | 0.001 | -2.176 | 3.045 | 3.743 |
| 89 | 1(DL+LL) | 0.008 | -1.92 | 5.06 | 5.412 |
| 90 | 1(DL+LL) | 0.009 | -3.146 | 5.684 | 6.497 |
| 91 | 1(DL+LL) | 0.009 | -2.991 | 6.066 | 6.763 |
| 92 | 1(DL+LL) | 0.009 | -3.168 | 6.214 | 6.975 |
| 93 | 1(DL+LL) | 0.008 | -2.987 | 6.14 | 6.828 |
| 94 | 1(DL+LL) | 0.007 | -2.656 | 5.968 | 6.533 |
| 95 | 1(DL+LL) | 0.007 | -2.656 | 5.954 | 6.52 |
| 96 | 1(DL+LL) | 0.006 | -2.988 | 6.059 | 6.755 |
| 97 | 1(DL+LL) | 0.006 | -3.177 | 6.023 | 6.809 |
| 98 | 1(DL+LL) | 0.006 | -2.98 | 5.678 | 6.412 |
| 99 | 1(DL+LL) | 0.007 | -1.847 | 5.097 | 5.421 |
| 100 | 1(DL+LL) | 0.021 | -2.65 | 5.072 | 5.722 |
| 101 | 1(DL+LL) | 0.02 | -4.413 | 5.699 | 7.208 |
| 102 | 1(DL+LL) | 0.017 | -4.344 | 6.087 | 7.478 |
| 103 | 1(DL+LL) | 0.011 | -4.507 | 6.228 | 7.687 |
| 104 | 1(DL+LL) | 0.006 | -4.324 | 6.162 | 7.528 |
| 105 | 1(DL+LL) | 0.001 | -3.781 | 5.98 | 7.075 |
| 106 | 1(DL+LL) | -0.001 | -3.78 | 5.965 | 7.062 |
| 107 | 1(DL+LL) | -0.005 | -4.322 | 6.08 | 7.46 |
| 108 | 1(DL+LL) | -0.01 | -4.522 | 6.036 | 7.542 |
| 109 | 1(DL+LL) | -0.013 | -4.323 | 5.699 | 7.153 |
| 110 | 1(DL+LL) | -0.014 | -2.644 | 5.108 | 5.752 |
| 111 | 1(DL+LL) | 0.11 | -2.053 | 7.022 | 7.317 |
| 112 | 1(DL+LL) | 0.09 | -3.372 | 8.318 | 8.976 |
| 113 | 1(DL+LL) | 0.069 | -3.221 | 8.925 | 9.489 |
| 114 | 1(DL+LL) | 0.049 | -3.394 | 9.07 | 9.684 |
| 115 | 1(DL+LL) | 0.029 | -3.216 | 8.95 | 9.511 |
| 116 | 1(DL+LL) | 0.01 | -2.842 | 8.53 | 8.991 |
| 117 | 1(DL+LL) | 0.002 | -2.843 | 8.512 | 8.974 |
| 118 | 1(DL+LL) | -0.016 | -3.217 | 8.856 | 9.422 |
| 119 | 1(DL+LL) | -0.036 | -3.404 | 8.852 | 9.484 |
| 120 | 1(DL+LL) | -0.057 | -3.208 | 8.36 | 8.955 |
| 121 | 1(DL+LL) | -0.073 | -1.979 | 7.093 | 7.364 |
| 122 | 1(DL+LL) | 0.147 | -2.841 | 6.957 | 7.516 |
| 123 | 1(DL+LL) | 0.12 | -4.729 | 8.213 | 9.478 |
| 124 | 1(DL+LL) | 0.086 | -4.667 | 8.819 | 9.978 |
| 125 | 1(DL+LL) | 0.053 | -4.823 | 8.958 | 10.174 |
| 126 | 1(DL+LL) | 0.023 | -4.643 | 8.844 | 9.989 |
| 127 | 1(DL+LL) | -0.003 | -4.044 | 8.435 | 9.355 |
| 128 | 1(DL+LL) | -0.012 | -4.044 | 8.417 | 9.338 |
| 129 | 1(DL+LL) | -0.038 | -4.641 | 8.75 | 9.905 |
| 130 | 1(DL+LL) | -0.07 | -4.84 | 8.741 | 9.992 |
| 131 | 1(DL+LL) | -0.103 | -4.642 | 8.255 | 9.471 |
| 132 | 1(DL+LL) | -0.13 | -2.834 | 7.027 | 7.578 |
| 133 | 1(DL+LL) | -0.008 | -1.773 | 1.215 | 2.149 |
| 134 | 1(DL+LL) | -0.008 | -2.941 | 1.119 | 3.147 |
| 135 | 1(DL+LL) | -0.007 | -2.925 | 1.18 | 3.155 |
| 136 | 1(DL+LL) | -0.005 | -2.936 | 1.232 | 3.184 |
| 137 | 1(DL+LL) | -0.002 | -2.944 | 1.241 | 3.195 |
| 138 | 1(DL+LL) | 0.001 | -2.471 | 1.29 | 2.787 |
| 139 | 1(DL+LL) | 0.003 | -2.469 | 1.285 | 2.783 |
| 140 | 1(DL+LL) | 0.005 | -2.934 | 1.21 | 3.173 |
| 141 | 1(DL+LL) | 0.007 | -2.926 | 1.162 | 3.149 |
| 142 | 1(DL+LL) | 0.008 | -2.969 | 1.104 | 3.168 |
| 143 | 1(DL+LL) | 0.008 | -1.778 | 1.213 | 2.152 |
| 144 | 1(DL+LL) | -0.012 | -2.796 | 3.035 | 4.127 |
| 145 | 1(DL+LL) | -0.011 | -4.534 | 3.216 | 5.559 |
| 146 | 1(DL+LL) | -0.009 | -4.605 | 3.401 | 5.724 |
| 147 | 1(DL+LL) | -0.005 | -4.658 | 3.505 | 5.829 |
| 148 | 1(DL+LL) | -0.002 | -4.588 | 3.493 | 5.766 |
| 149 | 1(DL+LL) | 0.001 | -3.936 | 3.457 | 5.238 |
| 150 | 1(DL+LL) | 0.003 | -3.934 | 3.447 | 5.23 |
| 151 | 1(DL+LL) | 0.006 | -4.577 | 3.433 | 5.721 |
| 152 | 1(DL+LL) | 0.009 | -4.662 | 3.369 | 5.752 |
| 153 | 1(DL+LL) | 0.011 | -4.578 | 3.201 | 5.586 |
| 154 | 1(DL+LL) | 0.012 | -2.806 | 3.045 | 4.141 |
| 155 | 1(DL+LL) | -0.026 | -3.328 | 5.072 | 6.066 |
| 156 | 1(DL+LL) | -0.024 | -5.563 | 5.699 | 7.963 |
| 157 | 1(DL+LL) | -0.017 | -5.544 | 6.087 | 8.234 |
| 158 | 1(DL+LL) | -0.009 | -5.552 | 6.228 | 8.343 |
| 159 | 1(DL+LL) | -0.002 | -5.473 | 6.162 | 8.241 |
| 160 | 1(DL+LL) | 0.004 | -4.667 | 5.98 | 7.585 |
| 161 | 1(DL+LL) | 0.007 | -4.665 | 5.965 | 7.573 |
| 162 | 1(DL+LL) | 0.013 | -5.464 | 6.08 | 8.175 |
| 163 | 1(DL+LL) | 0.02 | -5.572 | 6.036 | 8.215 |
| 164 | 1(DL+LL) | 0.026 | -5.461 | 5.699 | 7.893 |
| 165 | 1(DL+LL) | 0.029 | -3.327 | 5.109 | 6.096 |
| 166 | 1(DL+LL) | -0.021 | -3.139 | 6.957 | 7.633 |
| 167 | 1(DL+LL) | -0.018 | -5.22 | 8.213 | 9.732 |
| 168 | 1(DL+LL) | -0.01 | -5.246 | 8.819 | 10.262 |
| 169 | 1(DL+LL) | -0.002 | -5.382 | 8.958 | 10.451 |
| 170 | 1(DL+LL) | 0.004 | -5.187 | 8.844 | 10.253 |
| 171 | 1(DL+LL) | 0.007 | -4.537 | 8.436 | 9.578 |
| 172 | 1(DL+LL) | 0.007 | -4.535 | 8.417 | 9.561 |
| 173 | 1(DL+LL) | 0.01 | -5.181 | 8.75 | 10.169 |
| 174 | 1(DL+LL) | 0.017 | -5.42 | 8.74 | 10.285 |
| 175 | 1(DL+LL) | 0.024 | -5.191 | 8.254 | 9.751 |
| 176 | 1(DL+LL) | 0.027 | -3.141 | 7.027 | 7.698 |