

0.50MM CENTER FLAT FLEX CABLE (FFC) (105°C, Au PLATED)

| "L" DIM. ==> | 51 ± 2 MM | | 76 ± 3 MM | | 102 ± 3 MM | | 127 ± 4 MM | | 152 ± 4 MM | | 178 ± 4 MM | | 203 ± 4 MM | | 229 ± 5 MM | | 254 ± 5 MM | | 305 ± 5 MM | |
|----------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|-------------|-----------|-------------|-----------|
| REF DIM ==> | (2 INCHES) | | (3 INCHES) | | (4 INCHES) | | (5 INCHES) | | (6 INCHES) | | (7 INCHES) | | (8 INCHES) | | (9 INCHES) | | (10 INCHES) | | (12 INCHES) | |
| CABLE TYPE ==> | A | | D | | A | | D | | A | | D | | A | | D | | A | | D | |
| CIRCUITS | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D |
| 6 | 150180053 | 150180054 | 150180055 | 150180056 | 150180057 | 150180058 | 150180059 | 150180060 | 150180061 | 150180062 | 150180063 | 150180064 | 150180065 | 150180066 | 150180067 | 150180068 | 150180069 | 150180070 | 150180071 | 150180072 |
| 8 | 150180075 | 150180076 | 150180077 | 150180078 | 150180079 | 150180080 | 150180081 | 150180082 | 150180083 | 150180084 | 150180085 | 150180086 | 150180087 | 150180088 | 150180089 | 150180090 | 150180091 | 150180092 | 150180093 | 150180094 |
| 10 | 150180097 | 150180098 | 150180099 | 150180100 | 150180101 | 150180102 | 150180103 | 150180104 | 150180105 | 150180106 | 150180107 | 150180108 | 150180109 | 150180110 | 150180111 | 150180112 | 150180113 | 150180114 | 150180115 | 150180116 |
| 12 | 150180119 | 150180120 | 150180121 | 150180122 | 150180123 | 150180124 | 150180125 | 150180126 | 150180127 | 150180128 | 150180129 | 150180130 | 150180131 | 150180132 | 150180133 | 150180134 | 150180135 | 150180136 | 150180137 | 150180138 |
| 14 | 150180141 | 150180142 | 150180143 | 150180144 | 150180145 | 150180146 | 150180147 | 150180148 | 150180149 | 150180150 | 150180151 | 150180152 | 150180153 | 150180154 | 150180155 | 150180156 | 150180157 | 150180158 | 150180159 | 150180160 |
| 16 | 150180163 | 150180164 | 150180165 | 150180166 | 150180167 | 150180168 | 150180169 | 150180170 | 150180171 | 150180172 | 150180173 | 150180174 | 150180175 | 150180176 | 150180177 | 150180178 | 150180179 | 150180180 | 150180181 | 150180182 |
| 18 | 150180185 | 150180186 | 150180187 | 150180188 | 150180189 | 150180190 | 150180191 | 150180192 | 150180193 | 150180194 | 150180195 | 150180196 | 150180197 | 150180198 | 150180199 | 150180200 | 150180201 | 150180202 | 150180203 | 150180204 |
| 20 | 150180207 | 150180208 | 150180209 | 150180210 | 150180211 | 150180212 | 150180213 | 150180214 | 150180215 | 150180216 | 150180217 | 150180218 | 150180219 | 150180220 | 150180221 | 150180222 | 150180223 | 150180224 | 150180225 | 150180226 |
| 22 | 150180229 | 150180230 | 150180231 | 150180232 | 150180233 | 150180234 | 150180235 | 150180236 | 150180237 | 150180238 | 150180239 | 150180240 | 150180241 | 150180242 | 150180243 | 150180244 | 150180245 | 150180246 | 150180247 | 150180248 |
| 24 | 150180251 | 150180252 | 150180253 | 150180254 | 150180255 | 150180256 | 150180257 | 150180258 | 150180259 | 150180260 | 150180261 | 150180262 | 150180263 | 150180264 | 150180265 | 150180266 | 150180267 | 150180268 | 150180269 | 150180270 |
| 26 | 150180273 | 150180274 | 150180275 | 150180276 | 150180277 | 150180278 | 150180279 | 150180280 | 150180281 | 150180282 | 150180283 | 150180284 | 150180285 | 150180286 | 150180287 | 150180288 | 150180289 | 150180290 | 150180291 | 150180292 |
| 28 | 150180295 | 150180296 | 150180297 | 150180298 | 150180299 | 150180300 | 150180301 | 150180302 | 150180303 | 150180304 | 150180305 | 150180306 | 150180307 | 150180308 | 150180309 | 150180310 | 150180311 | 150180312 | 150180313 | 150180314 |
| 30 | 150180317 | 150180318 | 150180319 | 150180320 | 150180321 | 150180322 | 150180323 | 150180324 | 150180325 | 150180326 | 150180327 | 150180328 | 150180329 | 150180330 | 150180331 | 150180332 | 150180333 | 150180334 | 150180335 | 150180336 |
| 32 | 150180339 | 150180340 | 150180341 | 150180342 | 150180343 | 150180344 | 150180345 | 150180346 | 150180347 | 150180348 | 150180349 | 150180350 | 150180351 | 150180352 | 150180353 | 150180354 | 150180355 | 150180356 | 150180357 | 150180358 |
| 34 | 150180361 | 150180362 | 150180363 | 150180364 | 150180365 | 150180366 | 150180367 | 150180368 | 150180369 | 150180370 | 150180371 | 150180372 | 150180373 | 150180374 | 150180375 | 150180376 | 150180377 | 150180378 | 150180379 | 150180380 |
| 36 | 150180383 | 150180384 | 150180385 | 150180386 | 150180387 | 150180388 | 150180389 | 150180390 | 150180391 | 150180392 | 150180393 | 150180394 | 150180395 | 150180396 | 150180397 | 150180398 | 150180399 | 150180400 | 150180401 | 150180402 |
| 38 | 150180405 | 150180406 | 150180407 | 150180408 | 150180409 | 150180410 | 150180411 | 150180412 | 150180413 | 150180414 | 150180415 | 150180416 | 150180417 | 150180418 | 150180419 | 150180420 | 150180421 | 150180422 | 150180423 | 150180424 |
| 40 | 150180427 | 150180428 | 150180429 | 150180430 | 150180431 | 150180432 | 150180433 | 150180434 | 150180435 | 150180436 | 150180437 | 150180438 | 150180439 | 150180440 | 150180441 | 150180442 | 150180443 | 150180444 | 150180445 | 150180446 |
| 42 | 150180449 | 150180450 | 150180451 | 150180452 | 150180453 | 150180454 | 150180455 | 150180456 | 150180457 | 150180458 | 150180459 | 150180460 | 150180461 | 150180462 | 150180463 | 150180464 | 150180465 | 150180466 | 150180467 | 150180468 |
| 44 | 150180471 | 150180472 | 150180473 | 150180474 | 150180475 | 150180476 | 150180477 | 150180478 | 150180479 | 150180480 | 150180481 | 150180482 | 150180483 | 150180484 | 150180485 | 150180486 | 150180487 | 150180488 | 150180489 | 150180490 |
| 46 | 150180493 | 150180494 | 150180495 | 150180496 | 150180497 | 150180498 | 150180499 | 150180500 | 150180501 | 150180502 | 150180503 | 150180504 | 150180505 | 150180506 | 150180507 | 150180508 | 150180509 | 150180510 | 150180511 | 150180512 |
| 48 | 150180515 | 150180516 | 150180517 | 150180518 | 150180519 | 150180520 | 150180521 | 150180522 | 150180523 | 150180524 | 150180525 | 150180526 | 150180527 | 150180528 | 150180529 | 150180530 | 150180531 | 150180532 | 150180533 | 150180534 |
| 50 | 150180537 | 150180538 | 150180539 | 150180540 | 150180541 | 150180542 | 150180543 | 150180544 | 150180545 | 150180546 | 150180547 | 150180548 | 150180549 | 150180550 | 150180551 | 150180552 | 150180553 | 150180554 | 150180555 | 150180556 |
| 60 | 150180559 | 150180560 | 150180561 | 150180562 | 150180563 | 150180564 | 150180565 | 150180566 | 150180567 | 150180568 | 150180569 | 150180570 | 150180571 | 150180572 | 150180573 | 150180574 | 150180575 | 150180576 | 150180577 | 150180578 |
| 70 | 150180581 | 150180582 | 150180583 | 150180584 | 150180585 | 150180586 | 150180587 | 150180588 | 150180589 | 150180590 | 150180591 | 150180592 | 150180593 | 150180594 | 150180595 | 150180596 | 150180597 | 150180598 | 150180599 | 150180600 |



- NOTES:**
- NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.
 - FOR ODD CIRCUIT COUNT, CROSS-SECTION AND END-TAIL DETAIL REFER TO SHEET # 2
 - CABLES MATES WITH MOLEX FFC/FPC CONNECTOR SERIES # 505110

| | | | | | | | | | | | | | |
|--|---|-------|-------|---------------------------|--------------------------------------|----------------|--|-----------------|--|----------|--|--------------|--|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | |
| | DIMENSION UNITS | | SCALE | | CURRENT REV DESC: DRAWING CORRECTION | | | | | | | | |
| | MM | | 2:1 | | | | | | | | | | |
| | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | | | | |
| DIVISIONAL SYMBOLS | mm | | INCH | | EC NO: 728054 | | | | | | | | |
| | 4 PLACES | ±---- | ±---- | ±---- | DRWN: DIEGOG7 2022/11/10 | | | | | | | | |
| | 3 PLACES | ±---- | ±---- | ±---- | CHK'D: JSMITH11 2022/11/14 | | | | | | | | |
| | 2 PLACES | ±---- | ±---- | ±---- | APPR: JSMITH11 2022/11/14 | | | | | | | | |
| INITIAL REVISION: | | | | DRWN: MSHANNON 2019/03/13 | | | | | | | | | |
| 0 PLACES | | | | APPR: DENGLISH 2019/09/25 | | | | | | | | | |
| ANGULAR TOL ± 0.5 ° | | | | THIRD ANGLE PROJECTION | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | DRAWING | | SERIES | | MATERIAL NUMBER | | CUSTOMER | | SHEET NUMBER | |
| C-SIZE | | 15018 | | SEE CHART | | GENERAL MARKET | | 1 OF 2 | | | | | |

| | | | | |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/11/14 | 14:34:38 |
|-----------------|----|--------------|------------|----------|

0.50MM CENTER FLAT FLEX CABLE (FFC) (105°C, Au PLATED)

| "L" DIM. → | 51 ± 2 MM | | 76 ± 3 MM | | 102 ± 3 MM | | 127 ± 4 MM | | 152 ± 4 MM | | 178 ± 4 MM | | 203 ± 4 MM | | 229 ± 5 MM | | 254 ± 5 MM | | 305 ± 5 MM | |
|----------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|-------------|-----------|-------------|-----------|
| REF DIM → | (2 INCHES) | | (3 INCHES) | | (4 INCHES) | | (5 INCHES) | | (6 INCHES) | | (7 INCHES) | | (8 INCHES) | | (9 INCHES) | | (10 INCHES) | | (12 INCHES) | |
| CABLE TYPE → | A | | D | | A | | D | | A | | D | | A | | D | | A | | D | |
| CIRCUITS "N" ↓ | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D |
| 7 | 150180747 | 150180746 | 150180749 | 150180748 | 150180751 | 150180750 | 150180753 | 150180752 | 150180755 | 150180754 | 150180757 | 150180756 | 150180759 | 150180758 | 150180761 | 150180760 | 150180763 | 150180762 | 150180765 | 150180764 |
| 9 | 150180769 | 150180768 | 150180771 | 150180770 | 150180773 | 150180772 | 150180775 | 150180774 | 150180777 | 150180776 | 150180779 | 150180778 | 150180781 | 150180780 | 150180783 | 150180782 | 150180785 | 150180784 | 150180787 | 150180786 |
| 11 | 150180791 | 150180790 | 150180793 | 150180792 | 150180795 | 150180794 | 150180797 | 150180796 | 150180799 | 150180798 | 150180801 | 150180800 | 150180803 | 150180802 | 150180805 | 150180804 | 150180807 | 150180806 | 150180809 | 150180808 |
| 13 | 150180813 | 150180812 | 150180815 | 150180814 | 150180817 | 150180816 | 150180819 | 150180818 | 150180821 | 150180820 | 150180823 | 150180822 | 150180825 | 150180824 | 150180827 | 150180826 | 150180829 | 150180828 | 150180831 | 150180830 |
| 15 | 150180835 | 150180834 | 150180837 | 150180836 | 150180839 | 150180838 | 150180841 | 150180840 | 150180843 | 150180842 | 150180845 | 150180844 | 150180847 | 150180846 | 150180849 | 150180848 | 150180851 | 150180850 | 150180853 | 150180852 |
| 17 | 150180857 | 150180856 | 150180859 | 150180858 | 150180861 | 150180860 | 150180863 | 150180862 | 150180865 | 150180864 | 150180867 | 150180866 | 150180869 | 150180868 | 150180871 | 150180870 | 150180873 | 150180872 | 150180875 | 150180874 |
| 19 | 150180879 | 150180878 | 150180881 | 150180880 | 150180883 | 150180882 | 150180885 | 150180884 | 150180887 | 150180886 | 150180889 | 150180888 | 150180891 | 150180890 | 150180893 | 150180892 | 150180895 | 150180894 | 150180897 | 150180896 |
| 21 | 150180901 | 150180900 | 150180903 | 150180902 | 150180905 | 150180904 | 150180907 | 150180906 | 150180909 | 150180908 | 150180911 | 150180910 | 150180913 | 150180912 | 150180915 | 150180914 | 150180917 | 150180916 | 150180919 | 150180918 |
| 23 | 150180923 | 150180922 | 150180925 | 150180924 | 150180927 | 150180926 | 150180929 | 150180928 | 150180931 | 150180930 | 150180933 | 150180932 | 150180935 | 150180934 | 150180937 | 150180936 | 150180939 | 150180938 | 150180941 | 150180940 |
| 25 | 150180945 | 150180944 | 150180947 | 150180946 | 150180949 | 150180948 | 150180951 | 150180950 | 150180953 | 150180952 | 150180955 | 150180954 | 150180957 | 150180956 | 150180959 | 150180958 | 150180961 | 150180960 | 150180963 | 150180962 |
| 27 | 150180967 | 150180966 | 150180969 | 150180968 | 150180971 | 150180970 | 150180973 | 150180972 | 150180975 | 150180974 | 150180977 | 150180976 | 150180979 | 150180978 | 150180981 | 150180980 | 150180983 | 150180982 | 150180985 | 150180984 |
| 29 | 150180989 | 150180988 | 150180991 | 150180990 | 150180993 | 150180992 | 150180995 | 150180994 | 150180997 | 150180996 | 150180999 | 150180998 | 150181001 | 150181000 | 150181003 | 150181002 | 150181005 | 150181004 | 150181007 | 150181006 |
| 31 | 150181011 | 150181010 | 150181013 | 150181012 | 150181015 | 150181014 | 150181017 | 150181016 | 150181019 | 150181018 | 150181021 | 150181020 | 150181023 | 150181022 | 150181025 | 150181024 | 150181027 | 150181026 | 150181029 | 150181028 |
| 33 | 150181033 | 150181032 | 150181035 | 150181034 | 150181037 | 150181036 | 150181039 | 150181038 | 150181041 | 150181040 | 150181043 | 150181042 | 150181045 | 150181044 | 150181047 | 150181046 | 150181049 | 150181048 | 150181051 | 150181050 |
| 35 | 150181055 | 150181054 | 150181057 | 150181056 | 150181059 | 150181058 | 150181061 | 150181060 | 150181063 | 150181062 | 150181065 | 150181064 | 150181067 | 150181066 | 150181069 | 150181068 | 150181071 | 150181070 | 150181073 | 150181072 |
| 37 | 150181077 | 150181076 | 150181079 | 150181078 | 150181081 | 150181080 | 150181083 | 150181082 | 150181085 | 150181084 | 150181087 | 150181086 | 150181089 | 150181088 | 150181091 | 150181090 | 150181093 | 150181092 | 150181095 | 150181094 |
| 39 | 150181099 | 150181098 | 150181101 | 150181100 | 150181103 | 150181102 | 150181105 | 150181104 | 150181107 | 150181106 | 150181109 | 150181108 | 150181111 | 150181110 | 150181113 | 150181112 | 150181115 | 150181114 | 150181117 | 150181116 |
| 41 | 150181121 | 150181120 | 150181123 | 150181122 | 150181125 | 150181124 | 150181127 | 150181126 | 150181129 | 150181128 | 150181131 | 150181130 | 150181133 | 150181132 | 150181135 | 150181134 | 150181137 | 150181136 | 150181139 | 150181138 |
| 43 | 150181143 | 150181142 | 150181145 | 150181144 | 150181147 | 150181146 | 150181149 | 150181148 | 150181151 | 150181150 | 150181153 | 150181152 | 150181155 | 150181154 | 150181157 | 150181156 | 150181159 | 150181158 | 150181161 | 150181160 |
| 45 | 150181165 | 150181164 | 150181167 | 150181166 | 150181169 | 150181168 | 150181171 | 150181170 | 150181173 | 150181172 | 150181175 | 150181174 | 150181177 | 150181176 | 150181179 | 150181178 | 150181181 | 150181180 | 150181183 | 150181182 |
| 47 | 150181187 | 150181186 | 150181189 | 150181188 | 150181191 | 150181190 | 150181193 | 150181192 | 150181195 | 150181194 | 150181197 | 150181196 | 150181199 | 150181198 | 150181201 | 150181200 | 150181203 | 150181202 | 150181205 | 150181204 |
| 49 | 150181209 | 150181208 | 150181211 | 150181210 | 150181213 | 150181212 | 150181215 | 150181214 | 150181217 | 150181216 | 150181219 | 150181218 | 150181221 | 150181220 | 150181223 | 150181222 | 150181225 | 150181224 | 150181227 | 150181226 |



NOTES:
 1. NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.
 2. CABLES MATE WITH MOLEX FFC/FPC CONNECTOR SERIES # 505110

| | | | | | | | | | | | | | | | |
|--|---|-------|-------|---------------------------|--------------------------------------|---------|--|-----------|--|-----------------|--|----------|--|--------------|--|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | |
| | DIMENSION UNITS | | SCALE | | CURRENT REV DESC: DRAWING CORRECTION | | | | | | | | | | |
| | MM NA | | | | | | | | | | | | | | |
| | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | | | | | | |
| DIVISIONAL SYMBOLS | mm | | INCH | | EC NO: 728054 | | | | | | | | | | |
| | 4 PLACES ±---- | | ±---- | | DRWN: DIEGOG7 2022/11/10 | | | | | | | | | | |
| | 3 PLACES ±---- | | ±---- | | CHK'D: JSMITH11 2022/11/14 | | | | | | | | | | |
| | 2 PLACES ±---- | | ±---- | | APPR: JSMITH11 2022/11/14 | | | | | | | | | | |
| 1 PLACE ±---- | | ±---- | | INITIAL REVISION: | | | | | | | | | | | |
| 0 PLACES ±---- | | ±---- | | DRWN: MSHANNON 2019/03/13 | | | | | | | | | | | |
| ANGULAR TOL ± 0.5 ° | | | | APPR: DENGLISH 2019/09/25 | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | THIRD ANGLE PROJECTION | | DRAWING | | SERIES | | MATERIAL NUMBER | | CUSTOMER | | SHEET NUMBER | |
| | | | | C-SIZE | | 15018 | | SEE CHART | | GENERAL MARKET | | 2 OF 2 | | | |