

0.50MM CENTER FLAT FLEX CABLE (FFC) (EXTRA FLEXIBLE, 105°C, Sn PLATED)

| "L" DIM. → | 30 ± 2 MM | | 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 → | (1.18 INCH) | | (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 | | A | | D | |
| CIRCUITS ↓ | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | | |
| 6 | 151660051 | 151660052 | 151660053 | 151660054 | 151660055 | 151660056 | 151660057 | 151660058 | 151660059 | 151660060 | 151660061 | 151660062 | 151660063 | 151660064 | 151660065 | 151660066 | 151660067 | 151660068 | 151660069 | 151660070 | 151660071 | 151660072 | | |
| 8 | 151660073 | 151660074 | 151660075 | 151660076 | 151660077 | 151660078 | 151660079 | 151660080 | 151660081 | 151660082 | 151660083 | 151660084 | 151660085 | 151660086 | 151660087 | 151660088 | 151660089 | 151660090 | 151660091 | 151660092 | 151660093 | 151660094 | | |
| 10 | 151660095 | 151660096 | 151660097 | 151660098 | 151660099 | 151660100 | 151660101 | 151660102 | 151660103 | 151660104 | 151660105 | 151660106 | 151660107 | 151660108 | 151660109 | 151660110 | 151660111 | 151660112 | 151660113 | 151660114 | 151660115 | 151660116 | | |
| 12 | 151660117 | 151660118 | 151660119 | 151660120 | 151660121 | 151660122 | 151660123 | 151660124 | 151660125 | 151660126 | 151660127 | 151660128 | 151660129 | 151660130 | 151660131 | 151660132 | 151660133 | 151660134 | 151660135 | 151660136 | 151660137 | 151660138 | | |
| 14 | 151660139 | 151660140 | 151660141 | 151660142 | 151660143 | 151660144 | 151660145 | 151660146 | 151660147 | 151660148 | 151660149 | 151660150 | 151660151 | 151660152 | 151660153 | 151660154 | 151660155 | 151660156 | 151660157 | 151660158 | 151660159 | 151660160 | | |
| 16 | 151660161 | 151660162 | 151660163 | 151660164 | 151660165 | 151660166 | 151660167 | 151660168 | 151660169 | 151660170 | 151660171 | 151660172 | 151660173 | 151660174 | 151660175 | 151660176 | 151660177 | 151660178 | 151660179 | 151660180 | 151660181 | 151660182 | | |
| 18 | 151660183 | 151660184 | 151660185 | 151660186 | 151660187 | 151660188 | 151660189 | 151660190 | 151660191 | 151660192 | 151660193 | 151660194 | 151660195 | 151660196 | 151660197 | 151660198 | 151660199 | 151660200 | 151660201 | 151660202 | 151660203 | 151660204 | | |
| 20 | 151660205 | 151660206 | 151660207 | 151660208 | 151660209 | 151660210 | 151660211 | 151660212 | 151660213 | 151660214 | 151660215 | 151660216 | 151660217 | 151660218 | 151660219 | 151660220 | 151660221 | 151660222 | 151660223 | 151660224 | 151660225 | 151660226 | | |
| 22 | 151660227 | 151660228 | 151660229 | 151660230 | 151660231 | 151660232 | 151660233 | 151660234 | 151660235 | 151660236 | 151660237 | 151660238 | 151660239 | 151660240 | 151660241 | 151660242 | 151660243 | 151660244 | 151660245 | 151660246 | 151660247 | 151660248 | | |
| 24 | 151660249 | 151660250 | 151660251 | 151660252 | 151660253 | 151660254 | 151660255 | 151660256 | 151660257 | 151660258 | 151660259 | 151660260 | 151660261 | 151660262 | 151660263 | 151660264 | 151660265 | 151660266 | 151660267 | 151660268 | 151660269 | 151660270 | | |
| 26 | 151660271 | 151660272 | 151660273 | 151660274 | 151660275 | 151660276 | 151660277 | 151660278 | 151660279 | 151660280 | 151660281 | 151660282 | 151660283 | 151660284 | 151660285 | 151660286 | 151660287 | 151660288 | 151660289 | 151660290 | 151660291 | 151660292 | | |
| 28 | 151660293 | 151660294 | 151660295 | 151660296 | 151660297 | 151660298 | 151660299 | 151660300 | 151660301 | 151660302 | 151660303 | 151660304 | 151660305 | 151660306 | 151660307 | 151660308 | 151660309 | 151660310 | 151660311 | 151660312 | 151660313 | 151660314 | | |
| 30 | 151660315 | 151660316 | 151660317 | 151660318 | 151660319 | 151660320 | 151660321 | 151660322 | 151660323 | 151660324 | 151660325 | 151660326 | 151660327 | 151660328 | 151660329 | 151660330 | 151660331 | 151660332 | 151660333 | 151660334 | 151660335 | 151660336 | | |
| 32 | 151660337 | 151660338 | 151660339 | 151660340 | 151660341 | 151660342 | 151660343 | 151660344 | 151660345 | 151660346 | 151660347 | 151660348 | 151660349 | 151660350 | 151660351 | 151660352 | 151660353 | 151660354 | 151660355 | 151660356 | 151660357 | 151660358 | | |
| 34 | 151660359 | 151660360 | 151660361 | 151660362 | 151660363 | 151660364 | 151660365 | 151660366 | 151660367 | 151660368 | 151660369 | 151660370 | 151660371 | 151660372 | 151660373 | 151660374 | 151660375 | 151660376 | 151660377 | 151660378 | 151660379 | 151660380 | | |
| 36 | 151660381 | 151660382 | 151660383 | 151660384 | 151660385 | 151660386 | 151660387 | 151660388 | 151660389 | 151660390 | 151660391 | 151660392 | 151660393 | 151660394 | 151660395 | 151660396 | 151660397 | 151660398 | 151660399 | 151660400 | 151660401 | 151660402 | | |
| 38 | 151660403 | 151660404 | 151660405 | 151660406 | 151660407 | 151660408 | 151660409 | 151660410 | 151660411 | 151660412 | 151660413 | 151660414 | 151660415 | 151660416 | 151660417 | 151660418 | 151660419 | 151660420 | 151660421 | 151660422 | 151660423 | 151660424 | | |
| 40 | 151660425 | 151660426 | 151660427 | 151660428 | 151660429 | 151660430 | 151660431 | 151660432 | 151660433 | 151660434 | 151660435 | 151660436 | 151660437 | 151660438 | 151660439 | 151660440 | 151660441 | 151660442 | 151660443 | 151660444 | 151660445 | 151660446 | | |
| 42 | 151660447 | 151660448 | 151660449 | 151660450 | 151660451 | 151660452 | 151660453 | 151660454 | 151660455 | 151660456 | 151660457 | 151660458 | 151660459 | 151660460 | 151660461 | 151660462 | 151660463 | 151660464 | 151660465 | 151660466 | 151660467 | 151660468 | | |
| 44 | 151660469 | 151660470 | 151660471 | 151660472 | 151660473 | 151660474 | 151660475 | 151660476 | 151660477 | 151660478 | 151660479 | 151660480 | 151660481 | 151660482 | 151660483 | 151660484 | 151660485 | 151660486 | 151660487 | 151660488 | 151660489 | 151660490 | | |
| 46 | 151660491 | 151660492 | 151660493 | 151660494 | 151660495 | 151660496 | 151660497 | 151660498 | 151660499 | 151660500 | 151660501 | 151660502 | 151660503 | 151660504 | 151660505 | 151660506 | 151660507 | 151660508 | 151660509 | 151660510 | 151660511 | 151660512 | | |
| 48 | 151660513 | 151660514 | 151660515 | 151660516 | 151660517 | 151660518 | 151660519 | 151660520 | 151660521 | 151660522 | 151660523 | 151660524 | 151660525 | 151660526 | 151660527 | 151660528 | 151660529 | 151660530 | 151660531 | 151660532 | 151660533 | 151660534 | | |
| 50 | 151660535 | 151660536 | 151660537 | 151660538 | 151660539 | 151660540 | 151660541 | 151660542 | 151660543 | 151660544 | 151660545 | 151660546 | 151660547 | 151660548 | 151660549 | 151660550 | 151660551 | 151660552 | 151660553 | 151660554 | 151660555 | 151660556 | | |



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

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 | <p>molex</p> <p>0.50MM CENTER FLAT FLEX CABLE (FFC) (EXTRA FLEXIBLE, 105°C, SN PLATED) SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p> | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | |
| | 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: JLWOLFSB | 2011/10/27 |
| ANGULAR TOL ± 0.5 ° | | APPR: SFULTON | | 2011/11/03 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING | SERIES |
| | | | C-SIZE | 15166 |
| DOCUMENT STATUS | | P1 | RELEASE DATE | 2022/11/14 14:34:44 |
| 12 | | 11 | | 10 |
| 9 | | 8 | | 7 |
| 6 | | 5 | | 4 |
| 3 | | 2 | | 1 |
| MATERIAL NUMBER | | CUSTOMER | | SHEET NUMBER |
| SEE CHART | | GENERAL MARKET | | 1 OF 2 |
| DOCUMENT NUMBER | | DOC TYPE | DOC PART | REVISION |
| SD-15166-001 | | PSD | 001 | B |

0.50MM CENTER FLAT FLEX CABLE (FFC) (EXTRA FLEXIBLE, 105°C, Sn PLATED)

| "L" DIM. → | 30 ± 2 MM | | 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 → | (1.18 INCH) | | (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 | | A | | D | |
| CIRCUITS ↓ | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | A | D | | |
| 7 | 151660745 | 151660744 | 151660747 | 151660746 | 151660749 | 151660748 | 151660751 | 151660750 | 151660753 | 151660752 | 151660755 | 151660754 | 151660757 | 151660756 | 151660759 | 151660758 | 151660761 | 151660760 | 151660763 | 151660762 | 151660765 | 151660764 | | |
| 9 | 151660767 | 151660766 | 151660769 | 151660768 | 151660771 | 151660770 | 151660773 | 151660772 | 151660775 | 151660774 | 151660777 | 151660776 | 151660779 | 151660778 | 151660781 | 151660780 | 151660783 | 151660782 | 151660785 | 151660784 | 151660787 | 151660786 | | |
| 11 | 151660789 | 151660788 | 151660791 | 151660790 | 151660793 | 151660792 | 151660795 | 151660794 | 151660797 | 151660796 | 151660799 | 151660798 | 151660801 | 151660800 | 151660803 | 151660802 | 151660805 | 151660804 | 151660807 | 151660806 | 151660809 | 151660808 | | |
| 13 | 151660811 | 151660810 | 151660813 | 151660812 | 151660815 | 151660814 | 151660817 | 151660816 | 151660819 | 151660818 | 151660821 | 151660820 | 151660823 | 151660822 | 151660825 | 151660824 | 151660827 | 151660826 | 151660829 | 151660828 | 151660831 | 151660830 | | |
| 15 | 151660833 | 151660832 | 151660835 | 151660834 | 151660837 | 151660836 | 151660839 | 151660838 | 151660841 | 151660840 | 151660843 | 151660842 | 151660845 | 151660844 | 151660847 | 151660846 | 151660849 | 151660848 | 151660851 | 151660850 | 151660853 | 151660852 | | |
| 17 | 151660855 | 151660854 | 151660857 | 151660856 | 151660859 | 151660858 | 151660861 | 151660860 | 151660863 | 151660862 | 151660865 | 151660864 | 151660867 | 151660866 | 151660869 | 151660868 | 151660871 | 151660870 | 151660873 | 151660872 | 151660875 | 151660874 | | |
| 19 | 151660877 | 151660876 | 151660879 | 151660878 | 151660881 | 151660880 | 151660883 | 151660882 | 151660885 | 151660884 | 151660887 | 151660886 | 151660889 | 151660888 | 151660891 | 151660890 | 151660893 | 151660892 | 151660895 | 151660894 | 151660897 | 151660896 | | |
| 21 | 151660899 | 151660898 | 151660901 | 151660900 | 151660903 | 151660902 | 151660905 | 151660904 | 151660907 | 151660906 | 151660909 | 151660908 | 151660911 | 151660910 | 151660913 | 151660912 | 151660915 | 151660914 | 151660917 | 151660916 | 151660919 | 151660918 | | |
| 23 | 151660921 | 151660920 | 151660923 | 151660922 | 151660925 | 151660924 | 151660927 | 151660926 | 151660929 | 151660928 | 151660931 | 151660930 | 151660933 | 151660932 | 151660935 | 151660934 | 151660937 | 151660936 | 151660939 | 151660938 | 151660941 | 151660940 | | |
| 25 | 151660943 | 151660942 | 151660945 | 151660944 | 151660947 | 151660946 | 151660949 | 151660948 | 151660951 | 151660950 | 151660953 | 151660952 | 151660955 | 151660954 | 151660957 | 151660956 | 151660959 | 151660958 | 151660961 | 151660960 | 151660963 | 151660962 | | |
| 27 | 151660965 | 151660964 | 151660967 | 151660966 | 151660969 | 151660968 | 151660971 | 151660970 | 151660973 | 151660972 | 151660975 | 151660974 | 151660977 | 151660976 | 151660979 | 151660978 | 151660981 | 151660980 | 151660983 | 151660982 | 151660985 | 151660984 | | |
| 29 | 151660987 | 151660986 | 151660989 | 151660988 | 151660991 | 151660990 | 151660993 | 151660992 | 151660995 | 151660994 | 151660997 | 151660996 | 151660999 | 151660998 | 151661001 | 151661000 | 151661003 | 151661002 | 151661005 | 151661004 | 151661007 | 151661006 | | |
| 31 | 151661009 | 151661008 | 151661011 | 151661010 | 151661013 | 151661012 | 151661015 | 151661014 | 151661017 | 151661016 | 151661019 | 151661018 | 151661021 | 151661020 | 151661023 | 151661022 | 151661025 | 151661024 | 151661027 | 151661026 | 151661029 | 151661028 | | |
| 33 | 151661031 | 151661030 | 151661033 | 151661032 | 151661035 | 151661034 | 151661037 | 151661036 | 151661039 | 151661038 | 151661041 | 151661040 | 151661043 | 151661042 | 151661045 | 151661044 | 151661047 | 151661046 | 151661049 | 151661048 | 151661051 | 151661050 | | |
| 35 | 151661053 | 151661052 | 151661055 | 151661054 | 151661057 | 151661056 | 151661059 | 151661058 | 151661061 | 151661060 | 151661063 | 151661062 | 151661065 | 151661064 | 151661067 | 151661066 | 151661069 | 151661068 | 151661071 | 151661070 | 151661073 | 151661072 | | |
| 37 | 151661075 | 151661074 | 151661077 | 151661076 | 151661079 | 151661078 | 151661081 | 151661080 | 982331083 | 151661082 | 151661085 | 151661084 | 151661087 | 151661086 | 151661089 | 151661088 | 151661091 | 151661090 | 151661093 | 151661092 | 151661095 | 151661094 | | |
| 39 | 151661097 | 151661096 | 151661099 | 151661098 | 151661101 | 151661100 | 151661103 | 151661102 | 151661105 | 151661104 | 151661107 | 151661106 | 151661109 | 151661108 | 151661111 | 151661110 | 151661113 | 151661112 | 151661115 | 151661114 | 151661117 | 151661116 | | |
| 41 | 151661119 | 151661118 | 151661121 | 151661120 | 151661123 | 151661122 | 151661125 | 151661124 | 151661127 | 151661126 | 151661129 | 151661128 | 151661131 | 151661130 | 151661133 | 151661132 | 151661135 | 151661134 | 151661137 | 151661136 | 151661139 | 151661138 | | |
| 43 | 151661141 | 151661140 | 151661143 | 151661142 | 151661145 | 151661144 | 151661147 | 151661146 | 151661149 | 151661148 | 151661151 | 151661150 | 151661153 | 151661152 | 151661155 | 151661154 | 151661157 | 151661156 | 151661159 | 151661158 | 151661161 | 151661160 | | |
| 45 | 151661163 | 151661162 | 151661165 | 151661164 | 151661167 | 151661166 | 151661169 | 151661168 | 151661171 | 151661170 | 151661173 | 151661172 | 151661175 | 151661174 | 151661177 | 151661176 | 151661179 | 151661178 | 151661181 | 151661180 | 151661183 | 151661182 | | |
| 47 | 151661185 | 151661184 | 151661187 | 151661186 | 151661189 | 151661188 | 151661191 | 151661190 | 151661193 | 151661192 | 151661195 | 151661194 | 151661197 | 151661196 | 151661199 | 151661198 | 151661201 | 151661200 | 151661203 | 151661202 | 151661205 | 151661204 | | |
| 49 | 151661207 | 151661206 | 151661209 | 151661208 | 151661211 | 151661210 | 151661213 | 151661212 | 151661215 | 151661214 | 151661217 | 151661216 | 151661219 | 151661218 | 151661221 | 151661220 | 151661223 | 151661222 | 151661225 | 151661224 | 151661227 | 151661226 | | |



CROSS-SECTION



END TAIL DETAIL
SCALE 10:1

NOTES:

- NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.

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) | | | | | | EC NO: 728054 | | 0.50MM CENTER FLAT FLEX CABLE (FFC) (EXTRA FLEXIBLE, 105°C, SN PLATED) SALES DRAWING | | | |
| | | mm | INCH | | | | | | | | |
| 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: JLWOLFSB | | 2011/10/27 | | |
| ANGULAR TOL ± 0.5 ° | | THIRD ANGLE PROJECTION | | DRAWING | | SERIES | | MATERIAL NUMBER | | CUSTOMER | |
| | | | | C-SIZE | | 15166 | | SEE CHART | | GENERAL MARKET | |
| DOCUMENT STATUS | | P1 | RELEASE DATE | | 2022/11/14 | 14:34:44 | | SD-15166-001 | | PSD 001 B | |
| 2 | | 11 | | 10 | | 9 | | 8 | | 7 | |
| 12 | | 11 | | 10 | | 9 | | 8 | | 7 | |