

0.50mm PITCH FLAT FLEXIBLE CABLE (SHIELDED, 105°C, Sn PLATING)

| "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            | 153660053  | 153660054 | 153660055  | 153660056 | 153660057  | 153660058 | 153660059  | 153660060 | 153660061  | 153660062 | 153660063  | 153660064 | 153660065  | 153660066 | 153660067  | 153660068 | 153660069   | 153660070 | 153660071   | 153660072 |
| 8            | 153660075  | 153660076 | 153660077  | 153660078 | 153660079  | 153660080 | 153660081  | 153660082 | 153660083  | 153660084 | 153660085  | 153660086 | 153660087  | 153660088 | 153660089  | 153660090 | 153660091   | 153660092 | 153660093   | 153660094 |
| 10           | 153660097  | 153660098 | 153660099  | 153660100 | 153660101  | 153660102 | 153660103  | 153660104 | 153660105  | 153660106 | 153660107  | 153660108 | 153660109  | 153660110 | 153660111  | 153660112 | 153660113   | 153660114 | 153660115   | 153660116 |
| 12           | 153660119  | 153660120 | 153660121  | 153660122 | 153660123  | 153660124 | 153660125  | 153660126 | 153660127  | 153660128 | 153660129  | 153660130 | 153660131  | 153660132 | 153660133  | 153660134 | 153660135   | 153660136 | 153660137   | 153660138 |
| 14           | 153660141  | 153660142 | 153660143  | 153660144 | 153660145  | 153660146 | 153660147  | 153660148 | 153660149  | 153660150 | 153660151  | 153660152 | 153660153  | 153660154 | 153660155  | 153660156 | 153660157   | 153660158 | 153660159   | 153660160 |
| 16           | 153660163  | 153660164 | 153660165  | 153660166 | 153660167  | 153660168 | 153660169  | 153660170 | 153660171  | 153660172 | 153660173  | 153660174 | 153660175  | 153660176 | 153660177  | 153660178 | 153660179   | 153660180 | 153660181   | 153660182 |
| 18           | 153660185  | 153660186 | 153660187  | 153660188 | 153660189  | 153660190 | 153660191  | 153660192 | 153660193  | 153660194 | 153660195  | 153660196 | 153660197  | 153660198 | 153660199  | 153660200 | 153660201   | 153660202 | 153660203   | 153660204 |
| 20           | 153660207  | 153660208 | 153660209  | 153660210 | 153660211  | 153660212 | 153660213  | 153660214 | 153660215  | 153660216 | 153660217  | 153660218 | 153660219  | 153660220 | 153660221  | 153660222 | 153660223   | 153660224 | 153660225   | 153660226 |
| 22           | 153660229  | 153660230 | 153660231  | 153660232 | 153660233  | 153660234 | 153660235  | 153660236 | 153660237  | 153660238 | 153660239  | 153660240 | 153660241  | 153660242 | 153660243  | 153660244 | 153660245   | 153660246 | 153660247   | 153660248 |
| 24           | 153660251  | 153660252 | 153660253  | 153660254 | 153660255  | 153660256 | 153660257  | 153660258 | 153660259  | 153660260 | 153660261  | 153660262 | 153660263  | 153660264 | 153660265  | 153660266 | 153660267   | 153660268 | 153660269   | 153660270 |
| 26           | 153660273  | 153660274 | 153660275  | 153660276 | 153660277  | 153660278 | 153660279  | 153660280 | 153660281  | 153660282 | 153660283  | 153660284 | 153660285  | 153660286 | 153660287  | 153660288 | 153660289   | 153660290 | 153660291   | 153660292 |
| 28           | 153660295  | 153660296 | 153660297  | 153660298 | 153660299  | 153660300 | 153660301  | 153660302 | 153660303  | 153660304 | 153660305  | 153660306 | 153660307  | 153660308 | 153660309  | 153660310 | 153660311   | 153660312 | 153660313   | 153660314 |
| 30           | 153660317  | 153660318 | 153660319  | 153660320 | 153660321  | 153660322 | 153660323  | 153660324 | 153660325  | 153660326 | 153660327  | 153660328 | 153660329  | 153660330 | 153660331  | 153660332 | 153660333   | 153660334 | 153660335   | 153660336 |
| 32           | 153660339  | 153660340 | 153660341  | 153660342 | 153660343  | 153660344 | 153660345  | 153660346 | 153660347  | 153660348 | 153660349  | 153660350 | 153660351  | 153660352 | 153660353  | 153660354 | 153660355   | 153660356 | 153660357   | 153660358 |
| 34           | 153660361  | 153660362 | 153660363  | 153660364 | 153660365  | 153660366 | 153660367  | 153660368 | 153660369  | 153660370 | 153660371  | 153660372 | 153660373  | 153660374 | 153660375  | 153660376 | 153660377   | 153660378 | 153660379   | 153660380 |
| 36           | 153660383  | 153660384 | 153660385  | 153660386 | 153660387  | 153660388 | 153660389  | 153660390 | 153660391  | 153660392 | 153660393  | 153660394 | 153660395  | 153660396 | 153660397  | 153660398 | 153660399   | 153660400 | 153660401   | 153660402 |
| 38           | 153660405  | 153660406 | 153660407  | 153660408 | 153660409  | 153660410 | 153660411  | 153660412 | 153660413  | 153660414 | 153660415  | 153660416 | 153660417  | 153660418 | 153660419  | 153660420 | 153660421   | 153660422 | 153660423   | 153660424 |
| 40           | 153660427  | 153660428 | 153660429  | 153660430 | 153660431  | 153660432 | 153660433  | 153660434 | 153660435  | 153660436 | 153660437  | 153660438 | 153660439  | 153660440 | 153660441  | 153660442 | 153660443   | 153660444 | 153660445   | 153660446 |
| 42           | 153660449  | 153660450 | 153660451  | 153660452 | 153660453  | 153660454 | 153660455  | 153660456 | 153660457  | 153660458 | 153660459  | 153660460 | 153660461  | 153660462 | 153660463  | 153660464 | 153660465   | 153660466 | 153660467   | 153660468 |
| 44           | 153660471  | 153660472 | 153660473  | 153660474 | 153660475  | 153660476 | 153660477  | 153660478 | 153660479  | 153660480 | 153660481  | 153660482 | 153660483  | 153660484 | 153660485  | 153660486 | 153660487   | 153660488 | 153660489   | 153660490 |
| 46           | 153660493  | 153660494 | 153660495  | 153660496 | 153660497  | 153660498 | 153660499  | 153660500 | 153660501  | 153660502 | 153660503  | 153660504 | 153660505  | 153660506 | 153660507  | 153660508 | 153660509   | 153660510 | 153660511   | 153660512 |
| 48           | 153660515  | 153660516 | 153660517  | 153660518 | 153660519  | 153660520 | 153660521  | 153660522 | 153660523  | 153660524 | 153660525  | 153660526 | 153660527  | 153660528 | 153660529  | 153660530 | 153660531   | 153660532 | 153660533   | 153660534 |
| 50           | 153660537  | 153660538 | 153660539  | 153660540 | 153660541  | 153660542 | 153660543  | 153660544 | 153660545  | 153660546 | 153660547  | 153660548 | 153660549  | 153660550 | 153660551  | 153660552 | 153660553   | 153660554 | 153660555   | 153660556 |



- NOTES:**
1. NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.
  2. FOR ODD CIRCUIT COUNT, CROSS-SECTION AND END-TAIL DETAIL REFER TO SHEET # 2
  3. CABLES MATE WITH MOLEX FFC/FPC CONNECTOR SERIES # 52745, 52746 & 52559

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)                |       | EC NO: 728054                        |                   |                 |
|  | mm    | INCH                                 | DRWN: DIEGOG7     | 2022/11/10      |
| 4 PLACES   | ±---- | ±----                                | CHK'D: JSMITH11   | 2022/11/14      |
| 3 PLACES   | ±---- | ±----                                | APPR: JSMITH11    | 2022/11/14      |
| 2 PLACES   | ±---- | ±----                                | INITIAL REVISION: |                 |
| 1 PLACE  | ±---- | ±----                                | DRWN: MSHANNON    | 2020/04/09      |
| 0 PLACES   | ±---- | ±----                                | APPR: JSMITH11    | 2020/08/10      |
| ANGULAR TOL ± 0.5 °                                  |       | THIRD ANGLE PROJECTION               |                   |                 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | DRAWING                              | SERIES            | MATERIAL NUMBER |
|  |       | C-SIZE                               | 15366             | SEE CHART       |
|  |       | CUSTOMER                             |                   | SHEET NUMBER    |
|  |       | GENERAL MARKET                       |                   | 1 OF 2          |

**molex**

0.50MM CENTER FLAT FLEXIBLE CABLE (SHIELDED, 105°C, SN PLATING) SALES DRAWING

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| 153660001       | PSD      | 001      | C        |

0.50mm PITCH FLAT FLEXIBLE CABLE (SHIELDED, 105°C, Sn PLATING)

| "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 → |            |           |            |           |            |           |            |           |            |           |            |           |            |           |            |           |             |           |             |           |
| CIRCUITS ↓   | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A           | D         | A           | D         |
| 7            | 153660747  | 153660746 | 153660749  | 153660748 | 153660751  | 153660750 | 153660753  | 153660752 | 153660755  | 153660754 | 153660757  | 153660756 | 153660759  | 153660758 | 153660761  | 153660760 | 153660763   | 153660762 | 153660765   | 153660764 |
| 9            | 153660769  | 153660768 | 153660771  | 153660770 | 153660773  | 153660772 | 153660775  | 153660774 | 153660777  | 153660776 | 153660779  | 153660778 | 153660781  | 153660780 | 153660783  | 153660782 | 153660785   | 153660784 | 153660787   | 153660786 |
| 11           | 153660791  | 153660790 | 153660793  | 153660792 | 153660795  | 153660794 | 153660797  | 153660796 | 153660799  | 153660798 | 153660801  | 153660800 | 153660803  | 153660802 | 153660805  | 153660804 | 153660807   | 153660806 | 153660809   | 153660808 |
| 13           | 153660813  | 153660812 | 153660815  | 153660814 | 153660817  | 153660816 | 153660819  | 153660818 | 153660821  | 153660820 | 153660823  | 153660822 | 153660825  | 153660824 | 153660827  | 153660826 | 153660829   | 153660828 | 153660831   | 153660830 |
| 15           | 153660835  | 153660834 | 153660837  | 153660836 | 153660839  | 153660838 | 153660841  | 153660840 | 153660843  | 153660842 | 153660845  | 153660844 | 153660847  | 153660846 | 153660849  | 153660848 | 153660851   | 153660850 | 153660853   | 153660852 |
| 17           | 153660857  | 153660856 | 153660859  | 153660858 | 153660861  | 153660860 | 153660863  | 153660862 | 153660865  | 153660864 | 153660867  | 153660866 | 153660869  | 153660868 | 153660871  | 153660870 | 153660873   | 153660872 | 153660875   | 153660874 |
| 19           | 153660879  | 153660878 | 153660881  | 153660880 | 153660883  | 153660882 | 153660885  | 153660884 | 153660887  | 153660886 | 153660889  | 153660888 | 153660891  | 153660890 | 153660893  | 153660892 | 153660895   | 153660894 | 153660897   | 153660896 |
| 21           | 153660901  | 153660900 | 153660903  | 153660902 | 153660905  | 153660904 | 153660907  | 153660906 | 153660909  | 153660908 | 153660911  | 153660910 | 153660913  | 153660912 | 153660915  | 153660914 | 153660917   | 153660916 | 153660919   | 153660918 |
| 23           | 153660923  | 153660922 | 153660925  | 153660924 | 153660927  | 153660926 | 153660929  | 153660928 | 153660931  | 153660930 | 153660933  | 153660932 | 153660935  | 153660934 | 153660937  | 153660936 | 153660939   | 153660938 | 153660941   | 153660940 |
| 25           | 153660945  | 153660944 | 153660947  | 153660946 | 153660949  | 153660948 | 153660951  | 153660950 | 153660953  | 153660952 | 153660955  | 153660954 | 153660957  | 153660956 | 153660959  | 153660958 | 153660961   | 153660960 | 153660963   | 153660962 |
| 27           | 153660967  | 153660966 | 153660969  | 153660968 | 153660971  | 153660970 | 153660973  | 153660972 | 153660975  | 153660974 | 153660977  | 153660976 | 153660979  | 153660978 | 153660981  | 153660980 | 153660983   | 153660982 | 153660985   | 153660984 |
| 29           | 153660989  | 153660988 | 153660991  | 153660990 | 153660993  | 153660992 | 153660995  | 153660994 | 153660997  | 153660996 | 153660999  | 153660998 | 153661001  | 153661000 | 153661003  | 153661002 | 153661005   | 153661004 | 153661007   | 153661006 |
| 31           | 153661011  | 153661010 | 153661013  | 153661012 | 153661015  | 153661014 | 153661017  | 153661016 | 153661019  | 153661018 | 153661021  | 153661020 | 153661023  | 153661022 | 153661025  | 153661024 | 153661027   | 153661026 | 153661029   | 153661028 |
| 33           | 153661033  | 153661032 | 153661035  | 153661034 | 153661037  | 153661036 | 153661039  | 153661038 | 153661041  | 153661040 | 153661043  | 153661042 | 153661045  | 153661044 | 153661047  | 153661046 | 153661049   | 153661048 | 153661051   | 153661050 |
| 35           | 153661055  | 153661054 | 153661057  | 153661056 | 153661059  | 153661058 | 153661061  | 153661060 | 153661063  | 153661062 | 153661065  | 153661064 | 153661067  | 153661066 | 153661069  | 153661068 | 153661071   | 153661070 | 153661073   | 153661072 |
| 37           | 153661077  | 153661076 | 153661079  | 153661078 | 153661081  | 153661080 | 982331083  | 153661082 | 153661085  | 153661084 | 153661087  | 153661086 | 153661089  | 153661088 | 153661091  | 153661090 | 153661093   | 153661092 | 153661095   | 153661094 |
| 39           | 153661099  | 153661098 | 153661101  | 153661100 | 153661103  | 153661102 | 153661105  | 153661104 | 153661107  | 153661106 | 153661109  | 153661108 | 153661111  | 153661110 | 153661113  | 153661112 | 153661115   | 153661114 | 153661117   | 153661116 |
| 41           | 153661121  | 153661120 | 153661123  | 153661122 | 153661125  | 153661124 | 153661127  | 153661126 | 153661129  | 153661128 | 153661131  | 153661130 | 153661133  | 153661132 | 153661135  | 153661134 | 153661137   | 153661136 | 153661139   | 153661138 |
| 43           | 153661143  | 153661142 | 153661145  | 153661144 | 153661147  | 153661146 | 153661149  | 153661148 | 153661151  | 153661150 | 153661153  | 153661152 | 153661155  | 153661154 | 153661157  | 153661156 | 153661159   | 153661158 | 153661161   | 153661160 |
| 45           | 153661165  | 153661164 | 153661167  | 153661166 | 153661169  | 153661168 | 153661171  | 153661170 | 153661173  | 153661172 | 153661175  | 153661174 | 153661177  | 153661176 | 153661179  | 153661178 | 153661181   | 153661180 | 153661183   | 153661182 |
| 47           | 153661187  | 153661186 | 153661189  | 153661188 | 153661191  | 153661190 | 153661193  | 153661192 | 153661195  | 153661194 | 153661197  | 153661196 | 153661199  | 153661198 | 153661201  | 153661200 | 153661203   | 153661202 | 153661205   | 153661204 |
| 49           | 153661209  | 153661208 | 153661211  | 153661210 | 153661213  | 153661212 | 153661215  | 153661214 | 153661217  | 153661216 | 153661219  | 153661218 | 153661221  | 153661220 | 153661223  | 153661222 | 153661225   | 153661224 | 153661227   | 153661226 |



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  - CABLES MATE WITH MOLEX FFC/FPC CONNECTOR SERIES # 52745, 52746 & 52559

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|  |       |                                      |                   |   |           |                          |          |              |
|--|-------|--------------------------------------|-------------------|---|-----------|--------------------------|----------|--------------|
| DIMENSION UNITS                                      | SCALE | CURRENT REV DESC: DRAWING CORRECTION |                   | <b>molex</b>  |           |                          |          |              |
| MM   | NA    |                                      |                   |   |           |                          |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | EC NO: 728054                        |                   | 0.50MM CENTER FLAT FLEXIBLE CABLE (SHIELDED, 105°C, SN PLATING) SALES DRAWING |           |                          |          |              |
|  | mm    | INCH                                 |                   |   |           |                          |          |              |
| 4 PLACES   | ±---- | ±----                                | DRWN: DIEGOG7     | 2022/11/10  |           | PRODUCT CUSTOMER DRAWING |          |              |
| 3 PLACES   | ±---- | ±----                                | CHK'D: JSMITH11   | 2022/11/14  |           |                          |          |              |
| 2 PLACES   | ±---- | ±----                                | APPR: JSMITH11    | 2022/11/14  |           | DOCUMENT NUMBER          |          |              |
| 1 PLACE  | ±---- | ±----                                | INITIAL REVISION: |   | 153660001 |                          |          |              |
| 0 PLACES   | ±---- | ±----                                | DRWN: MSHANNON    | 2020/04/09  |           | DOC TYPE                 | DOC PART | REVISION     |
| ANGULAR TOL ± 0.5 °                                  |       | APPR: JSMITH11                       |                   | 2020/08/10  | PSD       | 001                      | C        |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION               |                   | DRAWING   | SERIES    | MATERIAL NUMBER          | CUSTOMER | SHEET NUMBER |
|  |       | C-SIZE                               |                   | 15366   | SEE CHART | GENERAL MARKET           |          | 2 OF 2       |