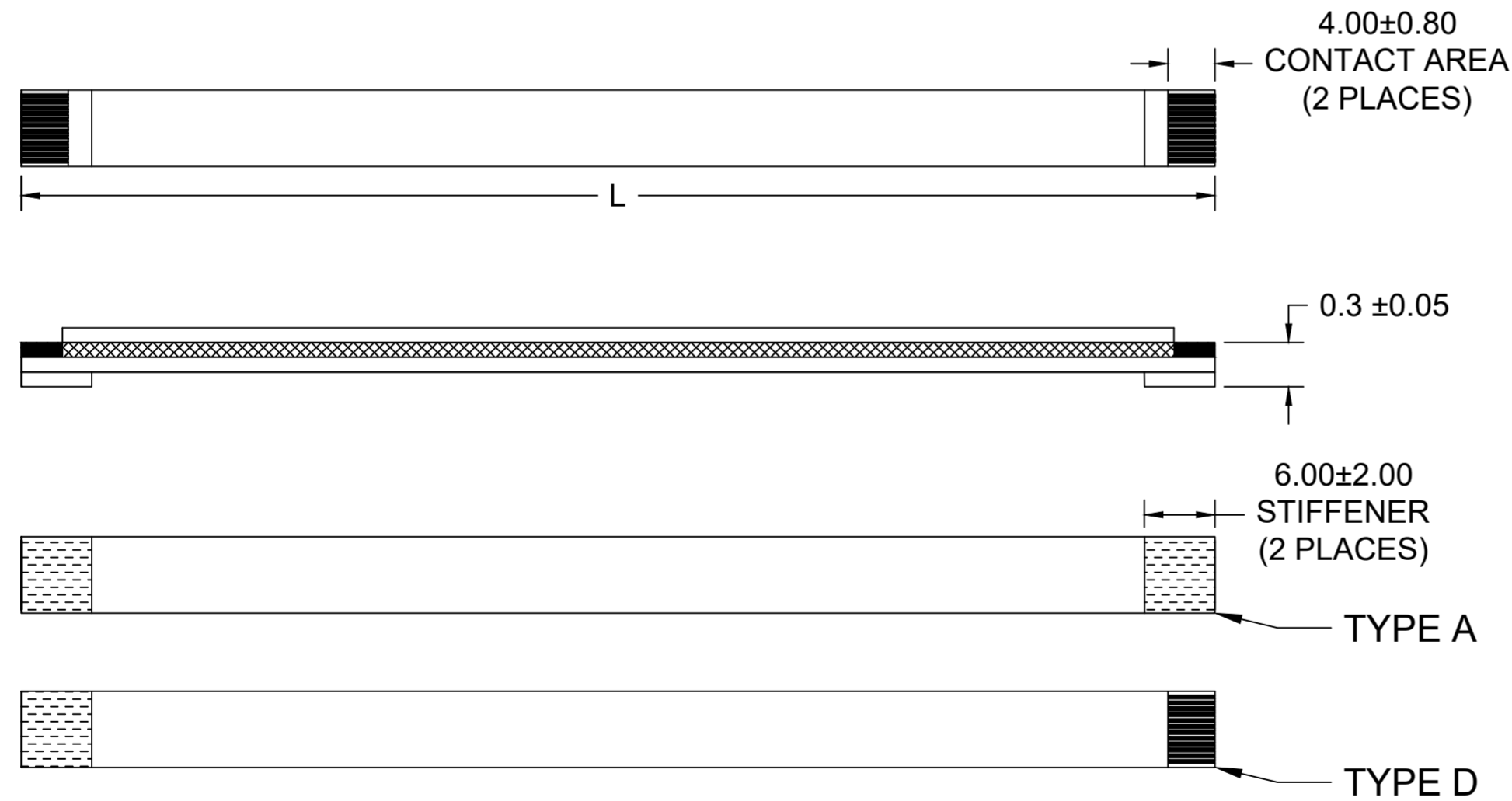


# 0.50mm CENTER FLAT FLEX CABLE (FFC) (105°C, Au PLATING)

| "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         | A | D |
| 6            | 150200051   | 150200052 | 150200053  | 150200054 | 150200055  | 150200056 | 150200057  | 150200058 | 150200059  | 150200060 | 150200061  | 150200062 | 150200063  | 150200064 | 150200065  | 150200066 | 150200067  | 150200068 | 150200069   | 150200070 | 150200071   | 150200072 |   |   |
| 8            | 150200073   | 150200074 | 150200075  | 150200076 | 150200077  | 150200078 | 150200079  | 150200080 | 150200081  | 150200082 | 150200083  | 150200084 | 150200085  | 150200086 | 150200087  | 150200088 | 150200089  | 150200090 | 150200091   | 150200092 | 150200093   | 150200094 |   |   |
| 10           | 150200095   | 150200096 | 150200097  | 150200098 | 150200099  | 150200100 | 150200101  | 150200102 | 150200103  | 150200104 | 150200105  | 150200106 | 150200107  | 150200108 | 150200109  | 150200110 | 150200111  | 150200112 | 150200113   | 150200114 | 150200115   | 150200116 |   |   |
| 12           | 150200117   | 150200118 | 150200119  | 150200120 | 150200121  | 150200122 | 150200123  | 150200124 | 150200125  | 150200126 | 150200127  | 150200128 | 150200129  | 150200130 | 150200131  | 150200132 | 150200133  | 150200134 | 150200135   | 150200136 | 150200137   | 150200138 |   |   |
| 14           | 150200139   | 150200140 | 150200141  | 150200142 | 150200143  | 150200144 | 150200145  | 150200146 | 150200147  | 150200148 | 150200149  | 150200150 | 150200151  | 150200152 | 150200153  | 150200154 | 150200155  | 150200156 | 150200157   | 150200158 | 150200159   | 150200160 |   |   |
| 16           | 150200161   | 150200162 | 150200163  | 150200164 | 150200165  | 150200166 | 150200167  | 150200168 | 150200169  | 150200170 | 150200171  | 150200172 | 150200173  | 150200174 | 150200175  | 150200176 | 150200177  | 150200178 | 150200179   | 150200180 | 150200181   | 150200182 |   |   |
| 18           | 150200183   | 150200184 | 150200185  | 150200186 | 150200187  | 150200188 | 150200189  | 150200190 | 150200191  | 150200192 | 150200193  | 150200194 | 150200195  | 150200196 | 150200197  | 150200198 | 150200199  | 150200200 | 150200201   | 150200202 | 150200203   | 150200204 |   |   |
| 20           | 150200205   | 150200206 | 150200207  | 150200208 | 150200209  | 150200210 | 150200211  | 150200212 | 150200213  | 150200214 | 150200215  | 150200216 | 150200217  | 150200218 | 150200219  | 150200220 | 150200221  | 150200222 | 150200223   | 150200224 | 150200225   | 150200226 |   |   |
| 22           | 150200227   | 150200228 | 150200229  | 150200230 | 150200231  | 150200232 | 150200233  | 150200234 | 150200235  | 150200236 | 150200237  | 150200238 | 150200239  | 150200240 | 150200241  | 150200242 | 150200243  | 150200244 | 150200245   | 150200246 | 150200247   | 150200248 |   |   |
| 24           | 150200249   | 150200250 | 150200251  | 150200252 | 150200253  | 150200254 | 150200255  | 150200256 | 150200257  | 150200258 | 150200259  | 150200260 | 150200261  | 150200262 | 150200263  | 150200264 | 150200265  | 150200266 | 150200267   | 150200268 | 150200269   | 150200270 |   |   |
| 26           | 150200271   | 150200272 | 150200273  | 150200274 | 150200275  | 150200276 | 150200277  | 150200278 | 150200279  | 150200280 | 150200281  | 150200282 | 150200283  | 150200284 | 150200285  | 150200286 | 150200287  | 150200288 | 150200289   | 150200290 | 150200291   | 150200292 |   |   |
| 28           | 150200293   | 150200294 | 150200295  | 150200296 | 150200297  | 150200298 | 150200299  | 150200300 | 150200301  | 150200302 | 150200303  | 150200304 | 150200305  | 150200306 | 150200307  | 150200308 | 150200309  | 150200310 | 150200311   | 150200312 | 150200313   | 150200314 |   |   |
| 30           | 150200315   | 150200316 | 150200317  | 150200318 | 150200319  | 150200320 | 150200321  | 150200322 | 150200323  | 150200324 | 150200325  | 150200326 | 150200327  | 150200328 | 150200329  | 150200330 | 150200331  | 150200332 | 150200333   | 150200334 | 150200335   | 150200336 |   |   |
| 32           | 150200337   | 150200338 | 150200339  | 150200340 | 150200341  | 150200342 | 150200343  | 150200344 | 150200345  | 150200346 | 150200347  | 150200348 | 150200349  | 150200350 | 150200351  | 150200352 | 150200353  | 150200354 | 150200355   | 150200356 | 150200357   | 150200358 |   |   |
| 34           | 150200359   | 150200360 | 150200361  | 150200362 | 150200363  | 150200364 | 150200365  | 150200366 | 150200367  | 150200368 | 150200369  | 150200370 | 150200371  | 150200372 | 150200373  | 150200374 | 150200375  | 150200376 | 150200377   | 150200378 | 150200379   | 150200380 |   |   |
| 36           | 150200381   | 150200382 | 150200383  | 150200384 | 150200385  | 150200386 | 150200387  | 150200388 | 150200389  | 150200390 | 150200391  | 150200392 | 150200393  | 150200394 | 150200395  | 150200396 | 150200397  | 150200398 | 150200399   | 150200400 | 150200401   | 150200402 |   |   |
| 38           | 150200403   | 150200404 | 150200405  | 150200406 | 150200407  | 150200408 | 150200409  | 150200410 | 150200411  | 150200412 | 150200413  | 150200414 | 150200415  | 150200416 | 150200417  | 150200418 | 150200419  | 150200420 | 150200421   | 150200422 | 150200423   | 150200424 |   |   |
| 40           | 150200425   | 150200426 | 150200427  | 150200428 | 150200429  | 150200430 | 150200431  | 150200432 | 150200433  | 150200434 | 150200435  | 150200436 | 150200437  | 150200438 | 150200439  | 150200440 | 150200441  | 150200442 | 150200443   | 150200444 | 150200445   | 150200446 |   |   |
| 42           | 150200447   | 150200448 | 150200449  | 150200450 | 150200451  | 150200452 | 150200453  | 150200454 | 150200455  | 150200456 | 150200457  | 150200458 | 150200459  | 150200460 | 150200461  | 150200462 | 150200463  | 150200464 | 150200465   | 150200466 | 150200467   | 150200468 |   |   |
| 44           | 150200469   | 150200470 | 150200471  | 150200472 | 150200473  | 150200474 | 150200475  | 150200476 | 150200477  | 150200478 | 150200479  | 150200480 | 150200481  | 150200482 | 150200483  | 150200484 | 150200485  | 150200486 | 150200487   | 150200488 | 150200489   | 150200490 |   |   |
| 46           | 150200491   | 150200492 | 150200493  | 150200494 | 150200495  | 150200496 | 150200497  | 150200498 | 150200499  | 150200500 | 150200501  | 150200502 | 150200503  | 150200504 | 150200505  | 150200506 | 150200507  | 150200508 | 150200509   | 150200510 | 150200511   | 150200512 |   |   |
| 48           | 150200513   | 150200514 | 150200515  | 150200516 | 150200517  | 150200518 | 150200519  | 150200520 | 150200521  | 150200522 | 150200523  | 150200524 | 150200525  | 150200526 | 150200527  | 150200528 | 150200529  | 150200530 | 150200531   | 150200532 | 150200533   | 150200534 |   |   |
| 50           | 150200535   | 150200536 | 150200537  | 150200538 | 150200539  | 150200540 | 150200541  | 150200542 | 150200543  | 150200544 | 150200545  | 150200546 | 150200547  | 150200548 | 150200549  | 150200550 | 150200551  | 150200552 | 150200553   | 150200554 | 150200555   | 150200556 |   |   |



**NOTES:**

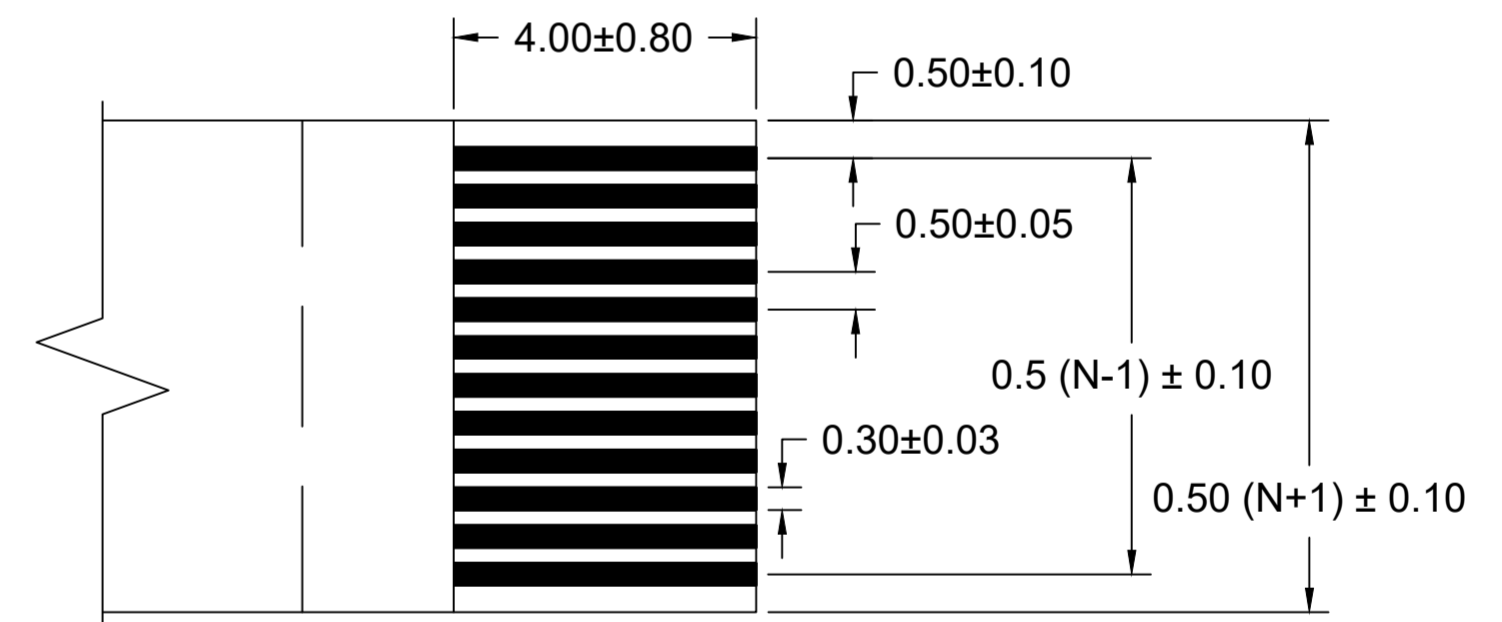
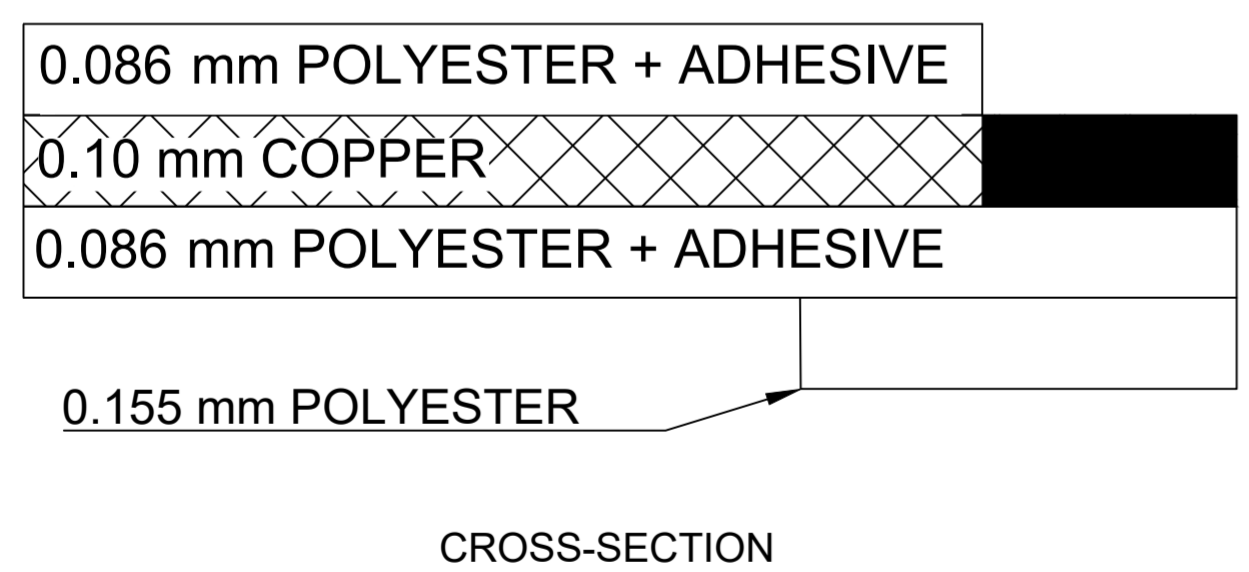
- NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.
- FOR ODD CIRCUIT COUNT, CROSS-SECTION AND END-TAIL DETAIL REFER TO SHEET # 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|  |                                   |                                      |                          |  |
|--|-----------------------------------|--------------------------------------|--------------------------|--|
| DIMENSION UNITS<br><b>MM</b>                         | SCALE<br><b>2:1</b>               | CURRENT REV DESC: TOLERANCES UPDATED |                          | <h1 style="margin: 0;">molex</h1>      |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |                                   | EC NO: 735490                        |                          |  |
| 4 PLACES   | ±----                             | INCH                                 | ±----                    |  |
| 3 PLACES   | ±----                             | INCH                                 | ±----                    | CHK'D: JSMITH11      2023/01/26        |
| 2 PLACES   | ±----                             | INCH                                 | ±----                    | APPR: JSMITH11      2023/01/26         |
| 1 PLACE  | ±----                             | INCH                                 | ±----                    | INITIAL REVISION:                      |
| 0 PLACES   | ±----                             | INCH                                 | ±----                    | DRWN: MIMIG      2010/01/04            |
| ANGULAR TOL ± 0.5 °                                  |                                   | APPR: DRASMUSS      2010/11/30       |                          | DOCUMENT NUMBER<br><b>SD-15020-001</b> |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                   | THIRD ANGLE PROJECTION               | DRAWING<br><b>C-SIZE</b> | SERIES<br><b>15020</b>                 |
| DOCUMENT STATUS<br><b>P1</b>                         | RELEASE DATE<br><b>2023/01/26</b> | CUSTOMER<br><b>GENERAL MARKET</b>    |                          | DOC TYPE<br><b>PSD</b>                 |
| 03:20:38   |                                   | SHEET NUMBER<br><b>1 OF 2</b>        |                          | DOC PART<br><b>001</b>                 |
|  |                                   |                                      |                          | REVISION<br><b>C</b>                   |

# 0.50mm CENTER FLAT FLEX CABLE (FFC) (105°C, Au PLATING)

| "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 → |             |           |            |           |            |           |            |           |            |           |            |           |            |           |            |           |            |           |             |           |             |           |
| CIRCUITS ↓   | A           | D         | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A          | D         | A           | D         | A           | D         |
| 7            | 150200745   | 150200744 | 150200747  | 150200746 | 150200749  | 150200748 | 150200751  | 150200750 | 150200753  | 150200752 | 150200755  | 150200754 | 150200757  | 150200756 | 150200759  | 150200758 | 150200761  | 150200760 | 150200763   | 150200762 | 150200765   | 150200764 |
| 9            | 150200767   | 150200766 | 150200769  | 150200768 | 150200771  | 150200770 | 150200773  | 150200772 | 150200775  | 150200774 | 150200777  | 150200776 | 150200779  | 150200778 | 150200781  | 150200780 | 150200783  | 150200782 | 150200785   | 150200784 | 150200787   | 150200786 |
| 11           | 150200789   | 150200788 | 150200791  | 150200790 | 150200793  | 150200792 | 150200795  | 150200794 | 150200797  | 150200796 | 150200799  | 150200798 | 150200801  | 150200800 | 150200803  | 150200802 | 150200805  | 150200804 | 150200807   | 150200806 | 150200809   | 150200808 |
| 13           | 150200811   | 150200810 | 150200813  | 150200812 | 150200815  | 150200814 | 150200817  | 150200816 | 150200819  | 150200818 | 150200821  | 150200820 | 150200823  | 150200822 | 150200825  | 150200824 | 150200827  | 150200826 | 150200829   | 150200828 | 150200831   | 150200830 |
| 15           | 150200833   | 150200832 | 150200835  | 150200834 | 150200837  | 150200836 | 150200839  | 150200838 | 150200841  | 150200840 | 150200843  | 150200842 | 150200845  | 150200844 | 150200847  | 150200846 | 150200849  | 150200848 | 150200851   | 150200850 | 150200853   | 150200852 |
| 17           | 150200855   | 150200854 | 150200857  | 150200856 | 150200859  | 150200858 | 150200861  | 150200860 | 150200863  | 150200862 | 150200865  | 150200864 | 150200867  | 150200866 | 150200869  | 150200868 | 150200871  | 150200870 | 150200873   | 150200872 | 150200875   | 150200874 |
| 19           | 150200877   | 150200876 | 150200879  | 150200878 | 150200881  | 150200880 | 150200883  | 150200882 | 150200885  | 150200884 | 150200887  | 150200886 | 150200889  | 150200888 | 150200891  | 150200890 | 150200893  | 150200892 | 150200895   | 150200894 | 150200897   | 150200896 |
| 21           | 150200899   | 150200898 | 150200901  | 150200900 | 150200903  | 150200902 | 150200905  | 150200904 | 150200907  | 150200906 | 150200909  | 150200908 | 150200911  | 150200910 | 150200913  | 150200912 | 150200915  | 150200914 | 150200917   | 150200916 | 150200919   | 150200918 |
| 23           | 150200921   | 150200920 | 150200923  | 150200922 | 150200925  | 150200924 | 150200927  | 150200926 | 150200929  | 150200928 | 150200931  | 150200930 | 150200933  | 150200932 | 150200935  | 150200934 | 150200937  | 150200936 | 150200939   | 150200938 | 150200941   | 150200940 |
| 25           | 150200943   | 150200942 | 150200945  | 150200944 | 150200947  | 150200946 | 150200949  | 150200948 | 150200951  | 150200950 | 150200953  | 150200952 | 150200955  | 150200954 | 150200957  | 150200956 | 150200959  | 150200958 | 150200961   | 150200960 | 150200963   | 150200962 |
| 27           | 150200965   | 150200964 | 150200967  | 150200966 | 150200969  | 150200968 | 150200971  | 150200970 | 150200973  | 150200972 | 150200975  | 150200974 | 150200977  | 150200976 | 150200979  | 150200978 | 150200981  | 150200980 | 150200983   | 150200982 | 150200985   | 150200984 |
| 29           | 150200987   | 150200986 | 150200989  | 150200988 | 150200991  | 150200990 | 150200993  | 150200992 | 150200995  | 150200994 | 150200997  | 150200996 | 150200999  | 150200998 | 150201001  | 150201000 | 150201003  | 150201002 | 150201005   | 150201004 | 150201007   | 150201006 |
| 31           | 150201009   | 150201008 | 150201011  | 150201010 | 150201013  | 150201012 | 150201015  | 150201014 | 150201017  | 150201016 | 150201019  | 150201018 | 150201021  | 150201020 | 150201023  | 150201022 | 150201025  | 150201024 | 150201027   | 150201026 | 150201029   | 150201028 |
| 33           | 150201031   | 150201030 | 150201033  | 150201032 | 150201035  | 150201034 | 150201037  | 150201036 | 150201039  | 150201038 | 150201041  | 150201040 | 150201043  | 150201042 | 150201045  | 150201044 | 150201047  | 150201046 | 150201049   | 150201048 | 150201051   | 150201050 |
| 35           | 150201053   | 150201052 | 150201055  | 150201054 | 150201057  | 150201056 | 150201059  | 150201058 | 150201061  | 150201060 | 150201063  | 150201062 | 150201065  | 150201064 | 150201067  | 150201066 | 150201069  | 150201068 | 150201071   | 150201070 | 150201073   | 150201072 |
| 37           | 150201075   | 150201074 | 150201077  | 150201076 | 150201079  | 150201078 | 150201081  | 150201080 | 150201083  | 150201082 | 150201085  | 150201084 | 150201087  | 150201086 | 150201089  | 150201088 | 150201091  | 150201090 | 150201093   | 150201092 | 150201095   | 150201094 |
| 39           | 150201097   | 150201096 | 150201099  | 150201098 | 150201101  | 150201100 | 150201103  | 150201102 | 150201105  | 150201104 | 150201107  | 150201106 | 150201109  | 150201108 | 150201111  | 150201110 | 150201113  | 150201112 | 150201115   | 150201114 | 150201117   | 150201116 |
| 41           | 150201119   | 150201118 | 150201121  | 150201120 | 150201123  | 150201122 | 150201125  | 150201124 | 150201127  | 150201126 | 150201129  | 150201128 | 150201131  | 150201130 | 150201133  | 150201132 | 150201135  | 150201134 | 150201137   | 150201136 | 150201139   | 150201138 |
| 43           | 150201141   | 150201140 | 150201143  | 150201142 | 150201145  | 150201144 | 150201147  | 150201146 | 150201149  | 150201148 | 150201151  | 150201150 | 150201153  | 150201152 | 150201155  | 150201154 | 150201157  | 150201156 | 150201159   | 150201158 | 150201161   | 150201160 |
| 45           | 150201163   | 150201162 | 150201165  | 150201164 | 150201167  | 150201166 | 150201169  | 150201168 | 150201171  | 150201170 | 150201173  | 150201172 | 150201175  | 150201174 | 150201177  | 150201176 | 150201179  | 150201178 | 150201181   | 150201180 | 150201183   | 150201182 |
| 47           | 150201185   | 150201184 | 150201187  | 150201186 | 150201189  | 150201188 | 150201191  | 150201190 | 150201193  | 150201192 | 150201195  | 150201194 | 150201197  | 150201196 | 150201199  | 150201198 | 150201201  | 150201200 | 150201203   | 150201202 | 150201205   | 150201204 |
| 49           | 150201207   | 150201206 | 150201209  | 150201208 | 150201211  | 150201210 | 150201213  | 150201212 | 150201215  | 150201214 | 150201217  | 150201216 | 150201219  | 150201218 | 150201221  | 150201220 | 150201223  | 150201222 | 150201225   | 150201224 | 150201227   | 150201226 |



**NOTES:**  
1. 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: TOLERANCES UPDATED |    |  | <b>molex</b>   |  |                   |  |                 |            |                                 |  |  |                 |  |                 |              |               |  |
| MM  | NA    |                                      |    |  | 0.50MM CENTER FLAT FLEX CABLE (FFC)<br>(105°C, AU PLATING) SALES DRAWING |  |                   |  |                 |            |                                 |  |  |                 |  |                 |              |               |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |       |                                      |    |  | EC NO: 735490  |  |                   |  |                 | 2023/01/18 |                                 |  |  |                 |  |                 |              |               |  |
|   |       |                                      |    |  | DRWN: DIEGOG7  |  |                   |  |                 | 2023/01/26 |                                 |  |  |                 |  |                 |              |               |  |
|   |       |                                      |    |  | CHK'D: JSMITH11  |  |                   |  |                 | 2023/01/26 |                                 |  |  |                 |  |                 |              |               |  |
|   |       |                                      |    |  | APPR: JSMITH11   |  |                   |  |                 | 2023/01/26 |                                 |  |  |                 |  |                 |              |               |  |
|   |       |                                      |    |  | INITIAL REVISION:  |  |                   |  |                 |            |                                 |  |  |                 |  |                 |              |               |  |
|   |       |                                      |    |  | DRWN: MIMIG  |  |                   |  |                 | 2010/01/04 |                                 |  |  |                 |  |                 |              |               |  |
|   |       |                                      |    |  | APPR: DRASMUSS   |  |                   |  |                 | 2010/11/30 |                                 |  |  |                 |  |                 |              |               |  |
|   |       |                                      |    |  | ANGULAR TOL ± 0.5 °  |  |                   |  |                 |            |                                 |  |  |                 |  |                 |              |               |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |       |                                      |    |  | THIRD ANGLE PROJECTION<br>   |  | DRAWING<br>C-SIZE |  | SERIES<br>15020 |            | DOCUMENT NUMBER<br>SD-15020-001 |  |  | DOC TYPE<br>PSD |  | DOC PART<br>001 |              | REVISION<br>C |  |
| DOCUMENT STATUS   |       |                                      | P1 |  | RELEASE DATE   |  | 2023/01/26        |  | 03:20:38        |            | MATERIAL NUMBER                 |  |  | CUSTOMER        |  |                 | SHEET NUMBER |               |  |
|   |       |                                      |    |  |  |  |                   |  |                 |            | SEE CHART                       |  |  | GENERAL MARKET  |  |                 | 2 OF 2       |               |  |