

|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|---------------------------------------------------------|--|-----------|--------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|-----------------------------------|-----------|-----------------------------------|-----------|---|---|--|--|--|
|                                                         |  | 13        |                                | 12        |                                 | 11        |                                 | 10        |                                  | 9         |                                  | 8         |                                  | 7         |                                  | 6         |                                  | 5         |                                  | 4         |                                   | 3         |                                   | 2         |   | 1 |  |  |  |
| 1.00MM CENTER FFC JUMPER CABLE (HIGH TEMPERATURE) CHART |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
| J                                                       |  | "A" DIM.  | 1.18 ± .079 INCHES<br>30 ±2.00 |           | 2 ± .079 INCHES<br>51 ± 2.00 MM |           | 3 ± .118 INCHES<br>76 ± 3.00 MM |           | 4 ± .118 INCHES<br>102 ± 3.00 MM |           | 5 ± .157 INCHES<br>127 ± 4.00 MM |           | 6 ± .157 INCHES<br>152 ± 4.00 MM |           | 7 ± .157 INCHES<br>178 ± 4.00 MM |           | 8 ± .157 INCHES<br>203 ± 4.00 MM |           | 9 ± .197 INCHES<br>229 ± 5.00 MM |           | 10 ± .197 INCHES<br>254 ± 5.00 MM |           | 12 ± .197 INCHES<br>305 ± 5.00 MM |           | J |   |  |  |  |
|                                                         |  | STIFFENER | TYPE "A"                       | TYPE "D"  | TYPE "A"                        | TYPE "D"  | TYPE "A"                        | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                          | TYPE "D"  | TYPE "A"                          | TYPE "D"  |   |   |  |  |  |
|                                                         |  | CKTS: 4   | 150390701                      | 150390700 | 150390703                       | 150390702 | 150390705                       | 150390704 | 150390707                        | 150390706 | 150390709                        | 150390708 | 150390711                        | 150390710 | 150390713                        | 150390712 | 150390715                        | 150390714 | 150390717                        | 150390716 | 150390719                         | 150390718 | 150390721                         | 150390720 |   |   |  |  |  |
|                                                         |  | CKTS: 6   | 150390201                      | 150390202 | 150390203                       | 150390204 | 150390205                       | 150390206 | 150390207                        | 150390208 | 150390209                        | 150390210 | 150390211                        | 150390212 | 150390213                        | 150390214 | 150390215                        | 150390216 | 150390217                        | 150390218 | 150390219                         | 150390220 | 150390221                         | 150390222 |   |   |  |  |  |
|                                                         |  | CKTS: 8   | 150390223                      | 150390224 | 150390225                       | 150390226 | 150390227                       | 150390228 | 150390229                        | 150390230 | 150390231                        | 150390232 | 150390233                        | 150390234 | 150390235                        | 150390236 | 150390237                        | 150390238 | 150390239                        | 150390240 | 150390241                         | 150390242 | 150390243                         | 150390244 |   |   |  |  |  |
|                                                         |  | CKTS: 10  | 150390245                      | 150390246 | 150390247                       | 150390248 | 150390249                       | 150390250 | 150390251                        | 150390252 | 150390253                        | 150390254 | 150390255                        | 150390256 | 150390257                        | 150390258 | 150390259                        | 150390260 | 150390261                        | 150390262 | 150390263                         | 150390264 | 150390265                         | 150390266 |   |   |  |  |  |
| I                                                       |  | CKTS: 12  | 150390267                      | 150390268 | 150390269                       | 150390270 | 150390271                       | 150390272 | 150390273                        | 150390274 | 150390275                        | 150390276 | 150390277                        | 150390278 | 150390279                        | 150390280 | 150390281                        | 150390282 | 150390283                        | 150390284 | 150390285                         | 150390286 | 150390287                         | 150390288 |   |   |  |  |  |
|                                                         |  | CKTS: 14  | 150390289                      | 150390290 | 150390291                       | 150390292 | 150390293                       | 150390294 | 150390295                        | 150390296 | 150390297                        | 928670298 | 150390299                        | 150390300 | 150390301                        | 150390302 | 150390303                        | 150390304 | 150390305                        | 150390306 | 150390307                         | 150390308 | 150390309                         | 150390310 |   |   |  |  |  |
|                                                         |  | CKTS: 16  | 150390311                      | 150390312 | 150390313                       | 150390314 | 150390315                       | 150390316 | 150390317                        | 150390318 | 150390319                        | 150390320 | 150390321                        | 150390322 | 150390323                        | 150390324 | 150390325                        | 150390326 | 150390327                        | 150390328 | 150390329                         | 150390330 | 150390331                         | 150390332 |   |   |  |  |  |
|                                                         |  | CKTS: 18  | 150390333                      | 150390334 | 150390335                       | 150390336 | 150390337                       | 150390338 | 150390339                        | 150390340 | 150390341                        | 150390342 | 150390343                        | 150390344 | 150390345                        | 150390346 | 150390347                        | 150390348 | 150390349                        | 150390350 | 150390351                         | 150390352 | 150390353                         | 150390354 |   |   |  |  |  |
|                                                         |  | CKTS: 20  | 150390355                      | 150390356 | 150390357                       | 150390358 | 150390359                       | 150390360 | 150390361                        | 150390362 | 150390363                        | 150390364 | 150390365                        | 150390366 | 150390367                        | 150390368 | 150390369                        | 150390370 | 150390371                        | 150390372 | 150390373                         | 150390374 | 150390375                         | 150390376 |   |   |  |  |  |
|                                                         |  | CKTS: 22  | 150390377                      | 150390378 | 150390379                       | 150390380 | 150390381                       | 150390382 | 150390383                        | 150390384 | 150390385                        | 150390386 | 150390387                        | 150390388 | 150390389                        | 150390390 | 150390391                        | 150390392 | 150390393                        | 150390394 | 150390395                         | 150390396 | 150390397                         | 150390398 |   |   |  |  |  |
| H                                                       |  | CKTS: 24  | 150390399                      | 150390400 | 150390401                       | 150390402 | 150390403                       | 150390404 | 150390405                        | 150390406 | 150390407                        | 150390408 | 150390409                        | 150390410 | 150390411                        | 150390412 | 150390413                        | 150390414 | 150390415                        | 150390416 | 150390417                         | 150390418 | 150390419                         | 150390420 |   |   |  |  |  |
|                                                         |  | CKTS: 26  | 150390421                      | 150390422 | 150390423                       | 150390424 | 150390425                       | 150390426 | 150390427                        | 150390428 | 150390429                        | 150390430 | 150390431                        | 150390432 | 150390433                        | 150390434 | 150390435                        | 150390436 | 150390437                        | 150390438 | 150390439                         | 150390440 | 150390441                         | 150390442 |   |   |  |  |  |
|                                                         |  | CKTS: 28  | 150390443                      | 150390444 | 150390445                       | 150390446 | 150390447                       | 150390448 | 150390449                        | 150390450 | 150390451                        | 150390452 | 150390453                        | 150390454 | 150390455                        | 150390456 | 150390457                        | 150390458 | 150390459                        | 150390460 | 150390461                         | 150390462 | 150390463                         | 150390464 |   |   |  |  |  |
|                                                         |  | CKTS: 30  | 150390465                      | 150390466 | 150390467                       | 150390468 | 150390469                       | 150390470 | 150390471                        | 150390472 | 150390473                        | 150390474 | 150390475                        | 150390476 | 150390477                        | 150390478 | 150390479                        | 150390480 | 150390481                        | 150390482 | 150390483                         | 150390484 | 150390485                         | 150390486 |   |   |  |  |  |
| G                                                       |  | CKTS: 32  | 150390487                      | 150390488 | 150390489                       | 150390490 | 150390491                       | 150390492 | 150390493                        | 150390494 | 150390495                        | 150390496 | 150390497                        | 150390498 | 150390499                        | 150390500 | 150390501                        | 150390502 | 150390503                        | 150390504 | 150390505                         | 150390506 | 150390507                         | 150390508 |   |   |  |  |  |
|                                                         |  | CKTS: 34  | 150390509                      | 150390510 | 150390511                       | 150390512 | 150390513                       | 150390514 | 150390515                        | 150390516 | 150390517                        | 150390518 | 150390519                        | 150390520 | 150390521                        | 150390522 | 150390523                        | 150390524 | 150390525                        | 150390526 | 150390527                         | 150390528 | 150390529                         | 150390530 |   |   |  |  |  |
|                                                         |  | CKTS: 36  | 150390531                      | 150390532 | 150390533                       | 150390534 | 150390535                       | 150390536 | 150390537                        | 150390538 | 150390539                        | 150390540 | 150390541                        | 150390542 | 150390543                        | 150390544 | 150390545                        | 150390546 | 150390547                        | 150390548 | 150390549                         | 150390550 | 150390551                         | 150390552 |   |   |  |  |  |
|                                                         |  | CKTS: 38  | 150390553                      | 150390554 | 150390555                       | 150390556 | 150390557                       | 150390558 | 150390559                        | 150390560 | 150390561                        | 150390562 | 150390563                        | 150390564 | 150390565                        | 150390566 | 150390567                        | 150390568 | 150390569                        | 150390570 | 150390571                         | 150390572 | 150390573                         | 150390574 |   |   |  |  |  |
|                                                         |  | CKTS: 40  | 150390575                      | 150390576 | 150390577                       | 150390578 | 150390579                       | 150390580 | 150390581                        | 150390582 | 150390583                        | 150390584 | 150390585                        | 150390586 | 150390587                        | 150390588 | 150390589                        | 150390590 | 150390591                        | 150390592 | 150390593                         | 150390594 | 150390595                         | 150390596 |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |
|                                                         |  |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |   |  |  |  |

|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|----|---------------------------------------------------------|--------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|-----------------------------------|-----------|-----------------------------------|-----------|---|
|    | 13                                                      | 12                             | 11        | 10                              | 9         | 8                               | 7         | 6                                | 5         | 4                                | 3         | 2                                | 1         |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| J  | 1.00MM CENTER FFC JUMPER CABLE (HIGH TEMPERATURE) CHART |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | J |
|    | "A" DIM.                                                | 1.18 ± .079 INCHES<br>30 ±2.00 |           | 2 ± .079 INCHES<br>51 ± 2.00 MM |           | 3 ± .118 INCHES<br>76 ± 3.00 MM |           | 4 ± .118 INCHES<br>102 ± 3.00 MM |           | 5 ± .157 INCHES<br>127 ± 4.00 MM |           | 6 ± .157 INCHES<br>152 ± 4.00 MM |           | 7 ± .157 INCHES<br>178 ± 4.00 MM |           | 8 ± .157 INCHES<br>203 ± 4.00 MM |           | 9 ± .197 INCHES<br>229 ± 5.00 MM |           | 10 ± .197 INCHES<br>254 ± 5.00 MM |           | 12 ± .197 INCHES<br>305 ± 5.00 MM |           |   |
|    | STIFFENER                                               | TYPE "A"                       | TYPE "D"  | TYPE "A"                        | TYPE "D"  | TYPE "A"                        | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                          | TYPE "D"  | TYPE "A"                          | TYPE "D"  |   |
| I  | CKTS: 5                                                 | 150390723                      | 150390722 | 150390725                       | 150390724 | 150390727                       | 150390726 | 150390729                        | 150390728 | 150390731                        | 150390730 | 150390733                        | 150390732 | 150390735                        | 150390734 | 150390737                        | 150390736 | 150390739                        | 150390738 | 150390741                         | 150390740 | 150390743                         | 150390742 |   |
|    | CKTS: 7                                                 | 150390745                      | 150390744 | 150390747                       | 150390746 | 150390749                       | 150390748 | 150390751                        | 150390750 | 150390753                        | 150390752 | 150390755                        | 150390754 | 150390757                        | 150390756 | 150390759                        | 150390758 | 150390761                        | 150390760 | 150390763                         | 150390762 | 150390765                         | 150390764 |   |
|    | CKTS: 9                                                 | 150390767                      | 150390766 | 150390769                       | 150390768 | 150390771                       | 150390770 | 150390773                        | 150390772 | 150390775                        | 150390774 | 150390777                        | 150390776 | 150390779                        | 150390778 | 150390781                        | 150390780 | 150390783                        | 150390782 | 150390785                         | 150390784 | 150390787                         | 150390786 |   |
|    | CKTS: 11                                                | 150390789                      | 150390788 | 150390791                       | 150390790 | 150390793                       | 150390792 | 150390795                        | 150390794 | 150390797                        | 150390796 | 150390799                        | 150390798 | 150390801                        | 150390800 | 150390803                        | 150390802 | 150390805                        | 150390804 | 150390807                         | 150390806 | 150390809                         | 150390808 |   |
|    | CKTS: 13                                                | 150390811                      | 150390810 | 150390813                       | 150390812 | 150390815                       | 150390814 | 150390817                        | 150390816 | 150390819                        | 150390818 | 150390821                        | 150390820 | 150390823                        | 150390822 | 150390825                        | 150390824 | 150390827                        | 150390826 | 150390829                         | 150390828 | 150390831                         | 150390830 |   |
|    | CKTS: 15                                                | 150390833                      | 150390832 | 150390835                       | 150390834 | 150390837                       | 150390836 | 150390839                        | 150390838 | 150390841                        | 150390840 | 150390843                        | 150390842 | 150390845                        | 150390844 | 150390847                        | 150390846 | 150390849                        | 150390848 | 150390851                         | 150390850 | 150390853                         | 150390852 |   |
|    | CKTS: 17                                                | 150390855                      | 150390854 | 150390857                       | 150390856 | 150390859                       | 150390858 | 150390861                        | 150390860 | 150390863                        | 150390862 | 150390865                        | 150390864 | 150390867                        | 150390866 | 150390869                        | 150390868 | 150390871                        | 150390870 | 150390873                         | 150390872 | 150390875                         | 150390874 |   |
|    | CKTS: 19                                                | 150390877                      | 150390876 | 150390879                       | 150390878 | 150390881                       | 150390880 | 150390883                        | 150390882 | 150390885                        | 150390884 | 150390887                        | 150390886 | 150390889                        | 150390888 | 150390891                        | 150390890 | 150390893                        | 150390892 | 150390895                         | 150390894 | 150390897                         | 150390896 |   |
| H  | CKTS: 21                                                | 150390899                      | 150390898 | 150390901                       | 150390900 | 150390903                       | 150390902 | 150390905                        | 150390904 | 150390907                        | 150390906 | 150390909                        | 150390908 | 150390911                        | 150390910 | 150390913                        | 150390912 | 150390915                        | 150390914 | 150390917                         | 150390916 | 150390919                         | 150390918 |   |
|    | CKTS: 23                                                | 150390921                      | 150390920 | 150390923                       | 150390922 | 150390925                       | 150390924 | 150390927                        | 150390926 | 150390929                        | 150390928 | 150390931                        | 150390930 | 150390933                        | 150390932 | 150390935                        | 150390934 | 150390937                        | 150390936 | 150390939                         | 150390938 | 150390941                         | 150390940 |   |
|    | CKTS: 25                                                | 150390943                      | 150390942 | 150390945                       | 150390944 | 150390947                       | 150390946 | 150390949                        | 150390948 | 150390951                        | 150390950 | 150390953                        | 150390952 | 150390955                        | 150390954 | 150390957                        | 150390956 | 150390959                        | 150390958 | 150390961                         | 150390960 | 150390963                         | 150390962 |   |
|    | CKTS: 27                                                | 150390965                      | 150390964 | 150390967                       | 150390966 | 150390969                       | 150390968 | 150390971                        | 150390970 | 150390973                        | 150390972 | 150390975                        | 150390974 | 150390977                        | 150390976 | 150390979                        | 150390978 | 150390981                        | 150390980 | 150390983                         | 150390982 | 150390985                         | 150390984 |   |
|    | CKTS: 29                                                | 150390987                      | 150390986 | 150390989                       | 150390988 | 150390991                       | 150390990 | 150390993                        | 150390992 | 150390995                        | 150390994 | 150390997                        | 150390996 | 150390999                        | 150390998 | 150391001                        | 150391000 | 150391003                        | 150391002 | 150391005                         | 150391004 | 150391007                         | 150391006 |   |
|    | CKTS: 31                                                | 150391009                      | 150391008 | 150391011                       | 150391010 | 150391013                       | 150391012 | 150391015                        | 150391014 | 150391017                        | 150391016 | 150391019                        | 150391018 | 150391021                        | 150391020 | 150391023                        | 150391022 | 150391025                        | 150391024 | 150391027                         | 150391026 | 150391029                         | 150391028 |   |
|    | CKTS: 33                                                | 150391031                      | 150391030 | 150391033                       | 150391032 | 150391035                       | 150391034 | 150391037                        | 150391036 | 150391039                        | 150391038 | 150391041                        | 150391040 | 150391043                        | 150391042 | 150391045                        | 150391044 | 150391047                        | 150391046 | 150391049                         | 150391048 | 150391051                         | 150391050 |   |
|    | CKTS: 35                                                | 150391053                      | 150391052 | 150391055                       | 150391054 | 150391057                       | 150391056 | 150391059                        | 150391058 | 150391061                        | 150391060 | 150391063                        | 150391062 | 150391065                        | 150391064 | 150391067                        | 150391066 | 150391069                        | 150391068 | 150391071                         | 150391070 | 150391073                         | 150391072 |   |
| G  | CKTS: 37                                                | 150391075                      | 150391074 | 150391077                       | 150391076 | 150391079                       | 150391078 | 150391081                        | 150391080 | 150391083                        | 150391082 | 150391085                        | 150391084 | 150391087                        | 150391086 | 150391089                        | 150391088 | 150391091                        | 150391090 | 150391093                         | 150391092 | 150391095                         | 150391094 |   |
|    | CKTS: 39                                                | 150391097                      | 150391096 | 150391099                       | 150391098 | 150391101                       | 150391100 | 150391103                        | 150391102 | 150391105                        | 150391104 | 150391107                        | 150391106 | 150391109                        | 150391108 | 150391111                        | 150391110 | 150391113                        | 150391112 | 150391115                         | 150391114 | 150391117                         | 150391116 |   |
| F  |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | F |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| E  |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | E |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| D  |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | D |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| C  |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | C |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| B  |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | B |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| A  |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | A |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|    |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| 13 | 12                                                      | 11                             | 10        | 9                               | 8         | 7                               | 6         | 5                                | 4         | 3                                | 2         | 1                                |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |

|             |                 |     |             |                                                      |                                       |           |                                                                                                                               |              |              |                                                          |                        |                                              |  |
|-------------|-----------------|-----|-------------|------------------------------------------------------|---------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|----------------------------------------------------------|------------------------|----------------------------------------------|--|
| SEE SHEET 1 | EC NO:<br>DRWN: | REV | DESCRIPTION | QUALITY SYMBOL                                       | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE                                                                                                               |              | SCALE        | DESIGN UNITS                                             | THIRD ANGLE PROJECTION |                                              |  |
|             |                 |     |             | <div>▽=0</div> <div>▽C=0</div>                       |                                       |           | MM                                                                                                                            | ---          | METRIC       | <div><div></div><div></div></div> THIRD ANGLE PROJECTION |                        |                                              |  |
|             |                 |     |             |                                                      |                                       | mm        | INCH                                                                                                                          | DRAWN BY     | DATE         |                                                          |                        | TITLE                                        |  |
|             |                 |     |             |                                                      | 4 PLACES                              | ±---      | ±---                                                                                                                          | ----         | ----         |                                                          |                        | 1.00MM CENTER FFC JUMPER CABLE<br>AU PLATING |  |
|             |                 |     |             |                                                      | 3 PLACES                              | ±---      | ±---                                                                                                                          | CHECKED BY   | DATE         |                                                          |                        |                                              |  |
|             |                 |     |             |                                                      | 2 PLACES                              | ±---      | ±---                                                                                                                          | ----         | ----         |                                                          |                        |                                              |  |
|             |                 |     |             | 1 PLACE                                              | ±---                                  | ±---      | APPROVED BY                                                                                                                   | DATE         | Molex        | MOLEX INCORPORATED                                       |                        |                                              |  |
|             |                 |     |             | ANGULAR ±1/2°                                        |                                       | SFULTON   |                                                                                                                               | 2011/03/23   | DOCUMENT NO. |                                                          | SHEET NO.              |                                              |  |
|             |                 |     |             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                       | SEE CHART |                                                                                                                               | SD-15039-001 |              | 2 OF 2                                                   |                        |                                              |  |
|             |                 |     |             |                                                      |                                       | SIZE      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |              |                                                          |                        |                                              |  |
| 1           |                 | C   |             |                                                      |                                       |           |                                                                                                                               |              |              |                                                          |                        |                                              |  |

NOTES:

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

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