



- SPECIFICATIONS:**
- MATERIAL:**
 - (A). BODY: PA66, UL 94V-0
 - (B). TERMINAL: BRASS - TIN PLATED
 - (C). THREADED INSERT: BRASS
 - ELECTRICAL RATING:** 300V, 8A
 - MAX TORQUE:** 1.59 in.lbs. (0.18NM)
 - MINIMUM INSERT RETENTION:** 22 lbf (98N)
 - OPERATING TEMPERATURE:** -40°C to +105°C
 - MAX. SOLDERING TEMP:** 260°C (500°F) FOR 5 SECONDS
 - DIM A (OVERALL LENGTH)=** (N x P) + 10.3mm
 - DIM B (CIRCUIT LENGTH)=** (N - 1) x P
 - DIM C (MOUNTING HOLES)=** (B + 8.6mm)
 - P (PITCH) =** 3.50mm (.138")
 - N = NUMBER OF POSITIONS AVAILABLE** 2 THROUGH 20
 - PRODUCT SPEC:** PS-39500-001
 - SEE DRAWING SD-39501-002 FOR PTH INFO**
 - DIMS. SHOWN ARE FOR REFERENCE ONLY.**

| TOLERANCES | | | |
|------------|-------|-----------|-------|
| MM | TOL | INCH | TOL |
| 0-6 | ±0.25 | 0-.24 | ±.010 |
| >6-30 | ±0.40 | .24-1.18 | ±.016 |
| >30-120 | ±0.50 | 1.18-4.76 | ±.020 |
| >120 | ±0.80 | >4.76 | ±.031 |

| | | | | | | |
|--|--|---|---------------|--|--------------------------|----------------------|
| SYMBOLS DIMENSION UNITS: MM/INCH SCALE: 4:1 GENERAL TOLERANCES (UNLESS SPECIFIED): 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± ANGULAR TOL ± ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION CURRENT REV DESC: MIGRATION TO ECTR/NX EC NO: 619929 DRWN: ABENJAMINLW 2019/06/12 CHK'D: DACHAMMER 2019/07/01 APPR: JFMURPHY 2019/07/08 INITIAL REVISION: DRWN: LROTHAUS 2006/01/09 APPR: JPAWLICK 2006/01/10 | | molex 3.5MM, EURO HEADER VERTICAL, MOUNTING ENDS PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-39505-001 DOC TYPE: PSD DOC PART: 001 REVISION: B2 | | |
| THIRD ANGLE PROJECTION | | DRAWING: B-SIZE | SERIES: 39505 | MATERIAL NUMBER: SEE SHEET-2 | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 1 OF 2 |

| DESCRIPTION | CIRCUIT SIZE | MATERIAL NUMBERS | | | | | | | | | | | | DIMENSIONAL INFORMATION | | | | | |
|---|--------------|------------------|-----------|-----------|------------------|-----------|-----------|------------------|-----------|-----------|------------------|-----------|-----------|-------------------------|-------|----------|-------|----------|-------|
| | | BLACK | | | | | | GREEN | | | | | | | | | | | |
| | | 100% TIN | | | 30 u" GOLD | | | 100% TIN | | | 30 u" GOLD | | | DIM. "A" | | DIM. "B" | | DIM. "C" | |
| | | PRINTING OPTIONS | | | PRINTING OPTIONS | | | PRINTING OPTIONS | | | PRINTING OPTIONS | | | mm | inch | mm | inch | mm | inch |
| | | None | 10AV | 11AV | None | 10AV | 11AV | None | 10AV | 11AV | None | 10AV | 11AV | | | | | | |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 2 | 395051002 | 395051302 | 395051402 | 395051502 | 395051802 | 395051902 | 395056002 | 395056302 | 395056402 | 395056502 | 395056802 | 395056902 | 17.30 | .681 | 3.50 | .138 | 12.10 | .476 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 3 | 395051003 | 395051303 | 395051403 | 395051503 | 395051803 | 395051903 | 395056003 | 395056303 | 395056403 | 395056503 | 395056803 | 395056903 | 20.80 | .819 | 7.00 | .276 | 15.60 | .614 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 4 | 395051004 | 395051304 | 395051404 | 395051504 | 395051804 | 395051904 | 395056004 | 395056304 | 395056404 | 395056504 | 395056804 | 395056904 | 24.30 | .957 | 10.50 | .413 | 19.10 | .752 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 5 | 395051005 | 395051305 | 395051405 | 395051505 | 395051805 | 395051905 | 395056005 | 395056305 | 395056405 | 395056505 | 395056805 | 395056905 | 27.80 | 1.094 | 14.00 | .551 | 22.60 | .890 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 6 | 395051006 | 395051306 | 395051406 | 395051506 | 395051806 | 395051906 | 395056006 | 395056306 | 395056406 | 395056506 | 395056806 | 395056906 | 31.30 | 1.232 | 17.50 | .689 | 26.10 | 1.028 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 7 | 395051007 | 395051307 | 395051407 | 395051507 | 395051807 | 395051907 | 395056007 | 395056307 | 395056407 | 395056507 | 395056807 | 395056907 | 34.80 | 1.370 | 21.00 | .827 | 29.60 | 1.165 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 8 | 395051008 | 395051308 | 395051408 | 395051508 | 395051808 | 395051908 | 395056008 | 395056308 | 395056408 | 395056508 | 395056808 | 395056908 | 38.30 | 1.508 | 24.50 | .965 | 33.10 | 1.303 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 9 | 395051009 | 395051309 | 395051409 | 395051509 | 395051809 | 395051909 | 395056009 | 395056309 | 395056409 | 395056509 | 395056809 | 395056909 | 41.80 | 1.646 | 28.00 | 1.102 | 36.60 | 1.441 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 10 | 395051010 | 395051310 | 395051410 | 395051510 | 395051810 | 395051910 | 395056010 | 395056310 | 395056410 | 395056510 | 395056810 | 395056910 | 45.30 | 1.783 | 31.50 | 1.240 | 40.10 | 1.579 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 11 | 395051011 | 395051311 | 395051411 | 395051511 | 395051811 | 395051911 | 395056011 | 395056311 | 395056411 | 395056511 | 395056811 | 395056911 | 48.80 | 1.921 | 35.00 | 1.378 | 43.60 | 1.717 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 12 | 395051012 | 395051312 | 395051412 | 395051512 | 395051812 | 395051912 | 395056012 | 395056312 | 395056412 | 395056512 | 395056812 | 395056912 | 52.30 | 2.059 | 38.50 | 1.516 | 47.10 | 1.854 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 13 | 395051013 | 395051313 | 395051413 | 395051513 | 395051813 | 395051913 | 395056013 | 395056313 | 395056413 | 395056513 | 395056813 | 395056913 | 55.80 | 2.197 | 42.00 | 1.654 | 50.60 | 1.992 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 14 | 395051014 | 395051314 | 395051414 | 395051514 | 395051814 | 395051914 | 395056014 | 395056314 | 395056414 | 395056514 | 395056814 | 395056914 | 59.30 | 2.335 | 45.50 | 1.791 | 54.10 | 2.130 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 15 | 395051015 | 395051315 | 395051415 | 395051515 | 395051815 | 395051915 | 395056015 | 395056315 | 395056415 | 395056515 | 395056815 | 395056915 | 62.80 | 2.472 | 49.00 | 1.929 | 57.60 | 2.268 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 16 | 395051016 | 395051316 | 395051416 | 395051516 | 395051816 | 395051916 | 395056016 | 395056316 | 395056416 | 395056516 | 395056816 | 395056916 | 66.30 | 2.610 | 52.50 | 2.067 | 61.10 | 2.406 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 17 | 395051017 | 395051317 | 395051417 | 395051517 | 395051817 | 395051917 | 395056017 | 395056317 | 395056417 | 395056517 | 395056817 | 395056917 | 69.80 | 2.748 | 56.00 | 2.205 | 64.60 | 2.543 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 18 | 395051018 | 395051318 | 395051418 | 395051518 | 395051818 | 395051918 | 395056018 | 395056318 | 395056418 | 395056518 | 395056818 | 395056918 | 73.30 | 2.886 | 59.50 | 2.343 | 68.10 | 2.681 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 19 | 395051019 | 395051319 | 395051419 | 395051519 | 395051819 | 395051919 | 395056019 | 395056319 | 395056419 | 395056519 | 395056819 | 395056919 | 76.80 | 3.024 | 63.00 | 2.480 | 71.60 | 2.819 |
| 3.5MM, EURO HEADER, VERTICAL, MOUNTING ENDS | 20 | 395051020 | 395051320 | 395051420 | 395051520 | 395051820 | 395051920 | 395056020 | 395056320 | 395056420 | 395056520 | 395056820 | 395056920 | 80.30 | 3.161 | 66.50 | 2.618 | 75.10 | 2.957 |

| TOLERANCES | | | |
|------------|-------|-----------|-------|
| MM | TOL | INCH | TOL |
| 0-6 | ±0.25 | 0-.24 | ±.010 |
| >6-30 | ±0.40 | .24-1.18 | ±.016 |
| >30-120 | ±0.50 | 1.18-4.76 | ±.020 |
| >120 | ±0.80 | >4.76 | ±.031 |

| | | | |
|---------|---|-------------|---|
| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | DIMENSION UNITS | SCALE | CURRENT REV DESC: MIGRATION TO ECTR/NX |
| ▽ = 0 | MM/INCH | 2:1 | EC NO: 619929 DRWN: ABENJAMINLW 2019/06/12 CHK'D: DACHAMMER 2019/07/01 APPR: JFMURPHY 2019/07/08 |
| ▽ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| ▽ = 0 | 4 PLACES ± | ± | INITIAL REVISION: DRWN: LROTHAUS 2006/01/09 APPR: JPAWLICK 2006/01/10 |
| ▽ = 0 | 3 PLACES ± | ± SEE CHART | |
| ▽ = 0 | 2 PLACES ± | ± SEE CHART | DOCUMENT NUMBER SD-39505-001 DOC TYPE PSD DOC PART 001 REVISION B2 |
| ▽ = 0 | 1 PLACE ± | ± SEE CHART | |
| ▽ = 0 | 0 PLACES ± | ± | MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET SHEET NUMBER 2 OF 2 |
| ▽ = 0 | ANGULAR TOL ± ° | ± ° | |
| ▽ = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION DRAWING B-SIZE SERIES 39505 |