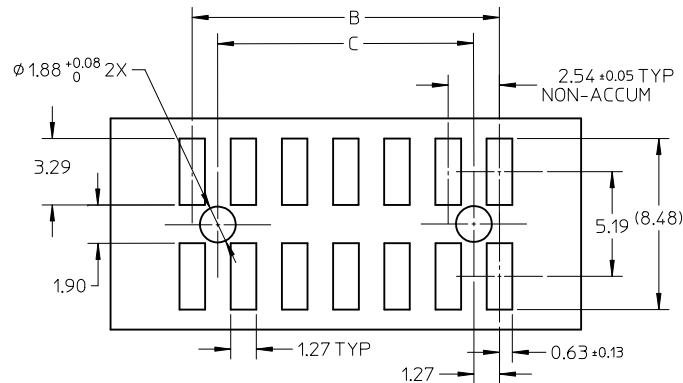
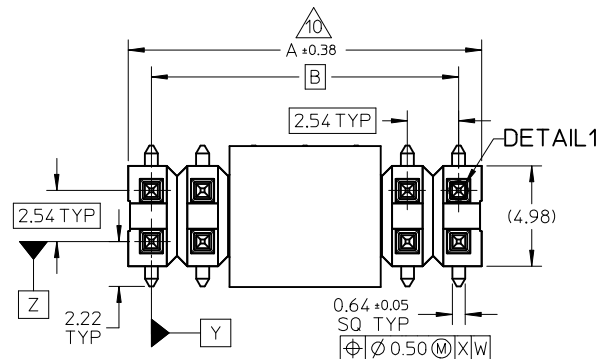
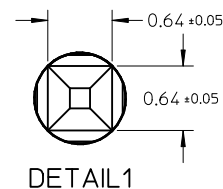
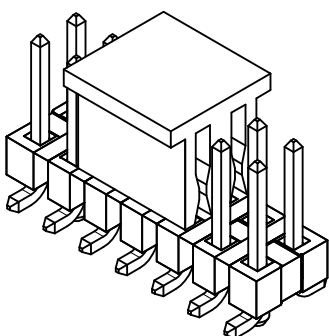
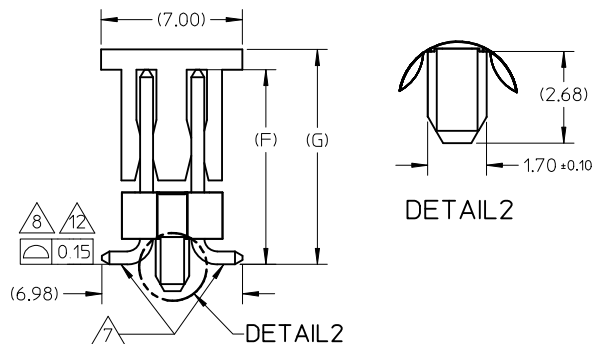
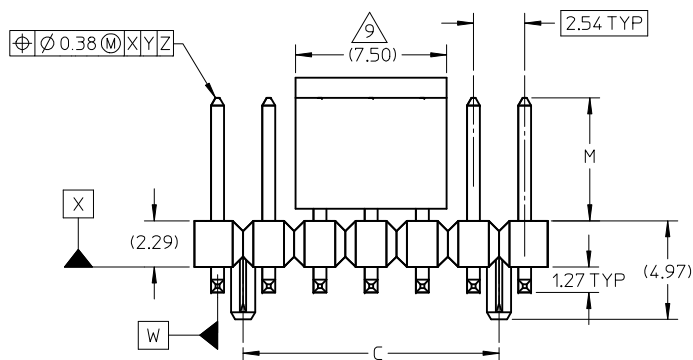




RECOMMENDED PCB LAYOUT



- NOTES:
1. MATERIAL:  
HSG: LCP, GLASS-FILLED, UL94V-0, COLOR: BLACK  
CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK  
PIN: 0.64MM SQ, COPPER ALLOY
  2. PLATING TYPE:  
(1) 0.38 $\mu$ m MIN. GOLD PLATE ON CONTACT AND 2.00 $\mu$ m MIN. TIN ON SOLDER TAIL OVER 1.25 $\mu$ m MIN. NICKEL OVERALL.  
(2) 0.75 $\mu$ m MIN. GOLD PLATE ON CONTACT AND 2.00 $\mu$ m MIN. TIN ON SOLDER TAIL OVER 1.25 $\mu$ m MIN. NICKEL OVERALL.  
(3) 2.50 $\mu$ m MIN. TIN OVERALL 1.25 $\mu$ m MIN. NICKEL OVERALL
  3. PACKAGING TYPE: SEE TABLE
  4. PCB THICKNESS 1.60+/-0.10mm
  5. PRODUCT SPECIFICATION: PS-87920-019
  6. WAFER TO BE FLAT WITHIN 0.003 mm/mm
  7. BEND DEPRESSION IS ACCEPTED SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL
  8. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE
  9. CAP LOCATION IS CENTERED ALONG THE MATING ENDS AS SHOWN. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE
  10. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
  11. PARTS ARE NOT STACKABLE ON 2.54 CENTER
  12. COPLANARITY FOR SIZES UP TO 40 IS 0.15MM.
  13. THE ABOVE CKT 14 IS FOR ILLUSTRATION PURPOSE ONLY
  14. TUBE LENGTH IS 560MM PER STANDARD
  15. CKT 4 & 6 TO BE PACKED IN BULK/TRAY PACKING
  16. PACKAGING SPECIFICATION: TUBE: PK-89990-478  
TAPE & REEL : PK-89990-479

|                                                                                                                              |                 |             |                                                            |       |                            |                     |                                                                                                                                  |                                                                            |                                                                                                              |  |  |
|------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------------------------------------------------------|-------|----------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|--|
| ADD P/N: 87920-9120<br>EC NO: S2011-0043<br>2010/07/14<br>DRWN:SKANG<br>CHKD:ATSEE<br>2010/08/02<br>APPR:MLONG<br>2010/08/03 | QUALITY SYMBOLS | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                     | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>METRIC                                                     |  THIRD ANGLE PROJECTION |  |  |
|                                                                                                                              |                 |             |                                                            | mm    | INCH                       | DRAWN BY<br>SKLIM01 | DATE<br>2006/02/09                                                                                                               | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH DUAL ROW<br>HEADER SINGLE WAFER SMT |                                                                                                              |  |  |
|                                                                                                                              |                 |             | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY          | DATE                                                                                                                             |                                                                            |                                                                                                              |  |  |
|                                                                                                                              |                 |             | 3 PLACES                                                   | ± --- | ± ---                      | PATEY               | 2006/02/16                                                                                                                       |                                                                            |                                                                                                              |  |  |
|                                                                                                                              |                 |             | 2 PLACES                                                   | ± 0.2 | ± ---                      | APPROVED BY         | DATE                                                                                                                             |                                                                            |                                                                                                              |  |  |
|                                                                                                                              |                 |             | 1 PLACE                                                    | ± --- | ± ---                      | MLONG               | 2010/02/08                                                                                                                       |                                                                            |                                                                                                              |  |  |
|                                                                                                                              |                 |             | ANGULAR ± 3 °                                              |       | MATERIAL NO.<br>SEE TABLE  |                     | DOCUMENT NO.<br>SD-87920-020                                                                                                     | SHEET NO.<br>1 OF 11                                                       |                                                                                                              |  |  |
|                                                                                                                              |                 |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SIZE<br>A3                 |                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                            |                                                                                                              |  |  |
|                                                                                                                              |                 |             | REV                                                        |       |                            |                     |                                                                                                                                  |                                                                            |                                                                                                              |  |  |
|                                                                                                                              |                 |             | D6                                                         |       |                            |                     |                                                                                                                                  |                                                                            |                                                                                                              |  |  |

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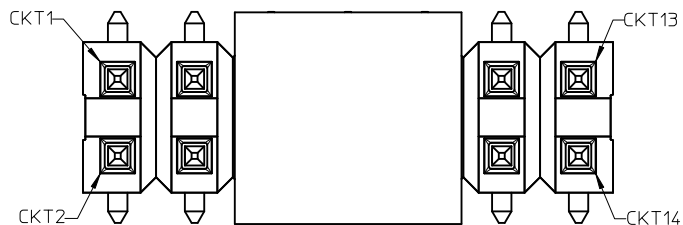
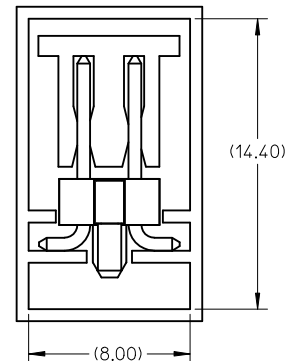
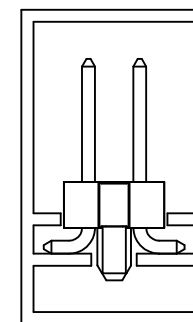
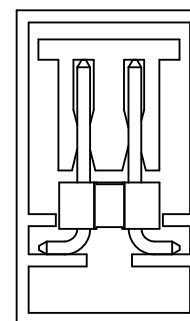
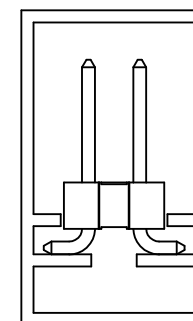
E

D

C

B

A

CIRCUITS POSITION  
CONFIGURATIONPART PACKED IN  
TUBE ORIENTATIONPART WITH PEGS  
WITH CAP IN TUBEPART WITH PEGS  
WITHOUT CAP IN TUBEPART WITHOUT PEGS  
WITH CAP IN TUBEPART WITHOUT PEGS  
WITHOUT CAP IN TUBE

|                                                                                                 |             |                                          |                                                            |       |                            |                                                                                                                               |                                                                                |                        |                        |                      |  |  |
|-------------------------------------------------------------------------------------------------|-------------|------------------------------------------|------------------------------------------------------------|-------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------|------------------------|----------------------|--|--|
| ADD P/N: 87920-9120<br>EC NO: S2011-0043<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG<br>REV<br>D6 | DESCRIPTION | QUALITY SYMBOLS<br><br>F=0<br>F=0<br>F=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                               | SCALE<br>NTS                                                                   | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |                      |  |  |
|                                                                                                 |             |                                          | mm                                                         | INCH  | DRAWN BY<br>SKL IM01       | DATE<br>2006/02/09                                                                                                            | TITLE<br><br>CUSTOM HEADER<br>2.54MM PITCH DUAL ROW<br>HEADER SINGLE WAFER SMT |                        |                        |                      |  |  |
|                                                                                                 |             |                                          | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY<br>PATEY                                                                                                           |                                                                                |                        |                        | DATE<br>2006/02/16   |  |  |
|                                                                                                 |             |                                          | 3 PLACES                                                   | ± --- | ± ---                      |                                                                                                                               |                                                                                |                        |                        |                      |  |  |
|                                                                                                 |             |                                          | 2 PLACES                                                   | ± 0.2 | ± ---                      |                                                                                                                               |                                                                                |                        |                        |                      |  |  |
|                                                                                                 |             |                                          | 1 PLACE                                                    | ± --- | ± ---                      | APPROVED BY<br>MLONG                                                                                                          | DATE<br>2010/02/08                                                             | MOLEX INCORPORATED     |                        |                      |  |  |
|                                                                                                 |             |                                          | ANGULAR ± 3 °                                              |       | MATERIAL NO.               |                                                                                                                               | DOCUMENT NO.<br>SD-87920-020                                                   |                        |                        | SHEET NO.<br>2 OF 11 |  |  |
|                                                                                                 |             |                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE TABLE                  |                                                                                                                               |                                                                                |                        |                        |                      |  |  |
|                                                                                                 |             |                                          |                                                            |       | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                |                        |                        |                      |  |  |

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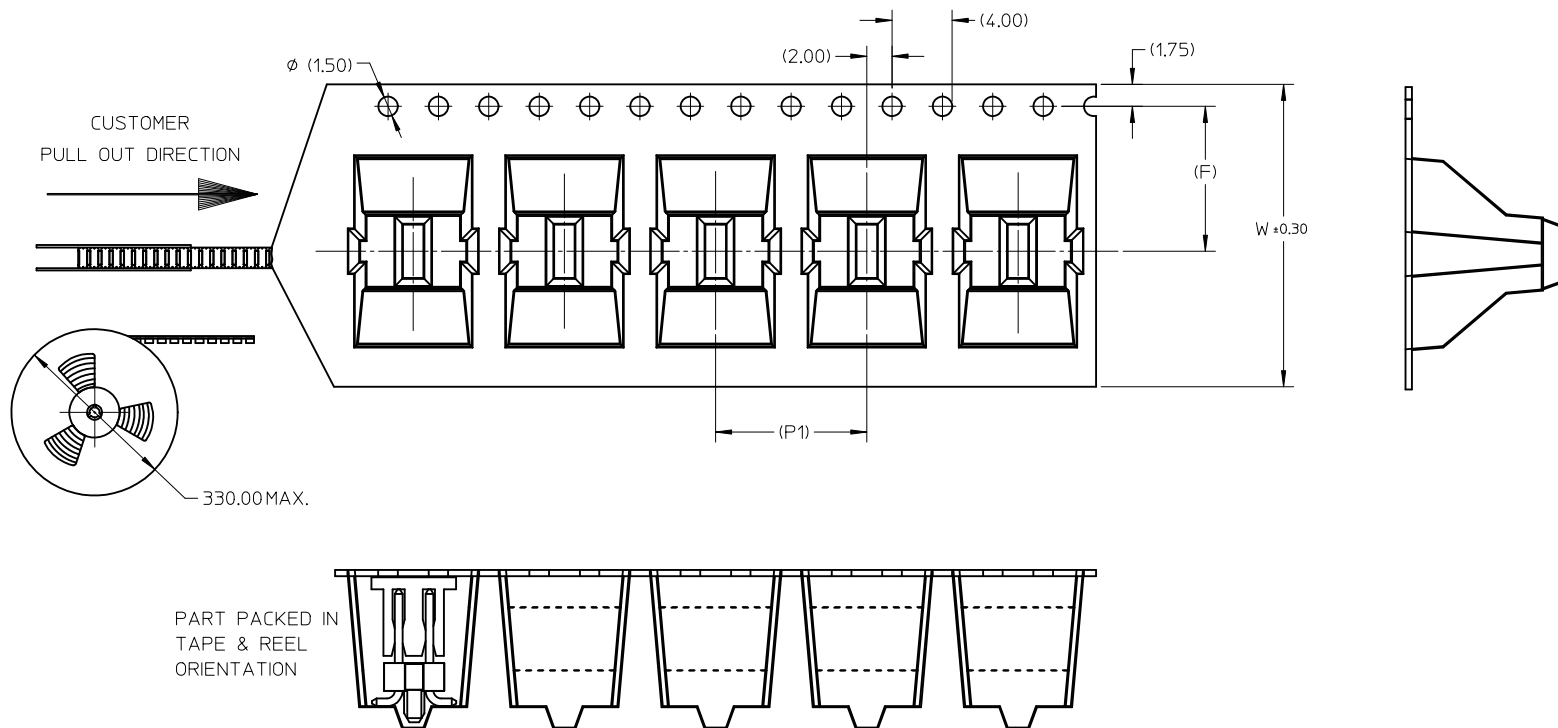
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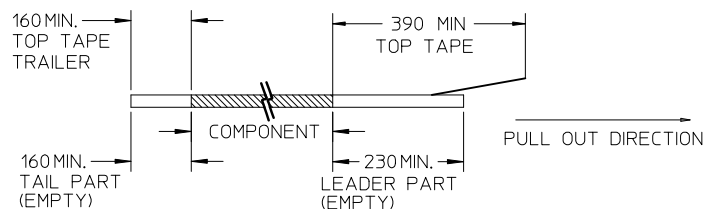
| CKT | F     | P1    | W     |
|-----|-------|-------|-------|
| 06  | 11.50 | 12.00 | 24.00 |

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 06 ONLY

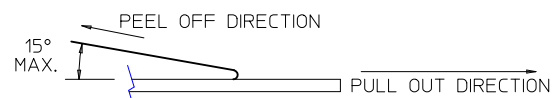


#### NOTES:

##### 1. LEADER AND TRAILER TAPE



##### 2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



##### 3. PACKAGING STANDARD IS AS PER EIA-481.

##### 4. TAPE & REEL QUANTITY = 440PCS/REEL

##### 5. THE TAPE IS TREATED FOR ANTI-STATIC.

|                                                                                    |                                        |                    |                                                                                                     |                                                                                                                                       |       |                            |                     |                    |                                                                                                      |                        |  |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|---------------------|--------------------|------------------------------------------------------------------------------------------------------|------------------------|--|
| ADD P/N: 87920-9120<br>EC NO: S2011-0043<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG | 2010/07/14<br>2010/08/02<br>2010/08/03 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>G</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                 |       | DIMENSION STYLE<br>MM ONLY |                     | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                                               | THIRD ANGLE PROJECTION |  |
|                                                                                    |                                        |                    |                                                                                                     |                                                                                                                                       | mm    | INCH                       | DRAWN BY<br>SKLIM01 | DATE<br>2006/02/09 | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH DUAL ROW<br>HEADER SINGLE WAFER SMT<br><br>MOLEX INCORPORATED |                        |  |
|                                                                                    |                                        |                    |                                                                                                     | 4 PLACES                                                                                                                              | ± --- | ± ---                      | CHECKED BY<br>PATEY | DATE<br>2006/02/16 |                                                                                                      |                        |  |
|                                                                                    |                                        |                    |                                                                                                     | 3 PLACES                                                                                                                              | ± --- | ± ---                      | APPROVED BY         | DATE               |                                                                                                      |                        |  |
|                                                                                    |                                        |                    |                                                                                                     | 2 PLACES                                                                                                                              | ± 0.2 | ± ---                      | MLONG               | 2010/02/08         |                                                                                                      |                        |  |
|                                                                                    |                                        | 1 PLACE            | ± ---                                                                                               | ± ---                                                                                                                                 |       |                            | DOCUMENT NO.        |                    | SHEET NO.                                                                                            |                        |  |
|                                                                                    |                                        |                    |                                                                                                     | ANGULAR ± 3 °                                                                                                                         |       | MATERIAL NO.               |                     | SD-87920-020       |                                                                                                      | 4 OF 11                |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                         |                                        |                    |                                                                                                     | SEE TABLE                                                                                                                             |       |                            |                     |                    |                                                                                                      |                        |  |
| D6                                                                                 |                                        |                    |                                                                                                     | SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                            |                     |                    |                                                                                                      |                        |  |

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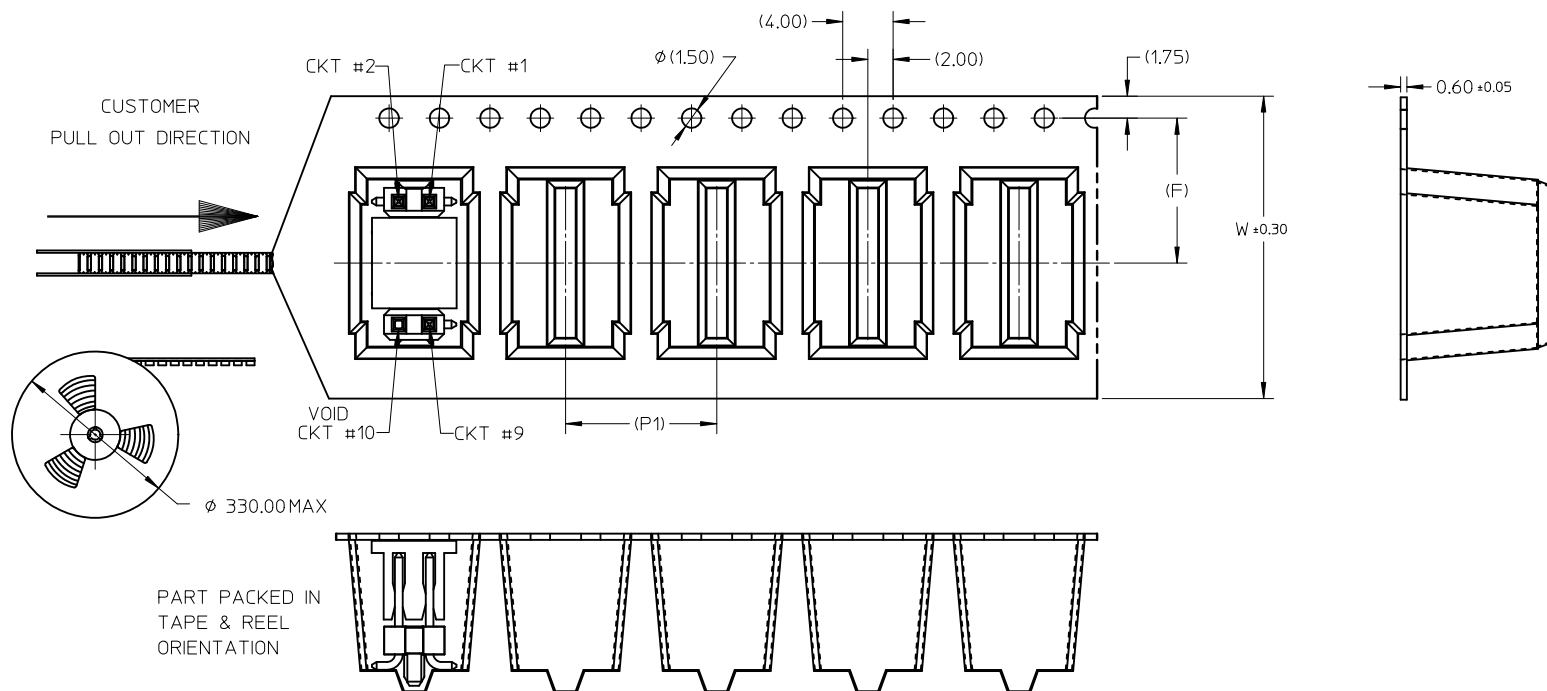
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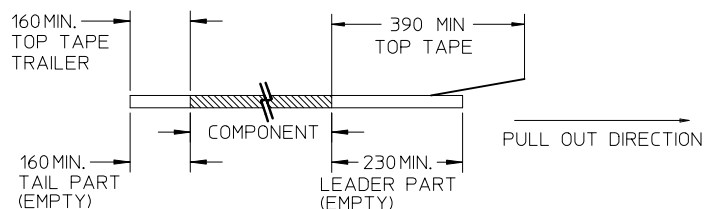
| CKT | F     | P1    | W     |
|-----|-------|-------|-------|
| 08  | 11.50 | 12.00 | 24.00 |
| 10  | 11.50 | 12.00 | 24.00 |

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 08 AND 10 ONLY

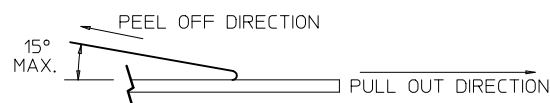


#### NOTES:

##### 1. LEADER AND TRAILER TAPE



##### 2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 440PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.
- ATTACHED ABOVE CONNECTOR IN T&R WITH VOID CKT#10 IS FOR ILLUSTRATION ONLY.

|                                                                                                                              |                                                                                                  |             |                                                            |       |                            |                                                                                                                               |                    |                                                                            |                           |           |  |  |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|-------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------|---------------------------|-----------|--|--|
| ADD P/N: 87920-9120<br>EC NO: S2011-0043<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG<br>2010/07/14<br>2010/08/02<br>2010/08/03 | QUALITY SYMBOLS<br><div><div><div></div></div><div><div></div></div><div><div></div></div></div> | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                               | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                     | THIRD ANGLE<br>PROJECTION |           |  |  |
|                                                                                                                              |                                                                                                  |             |                                                            | mm    | INCH                       | DRAWN BY<br>SKLIM01                                                                                                           | DATE<br>2006/02/09 | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH DUAL ROW<br>HEADER SINGLE WAFER SMT |                           |           |  |  |
|                                                                                                                              |                                                                                                  |             | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY<br>PATEY                                                                                                           | DATE<br>2006/02/16 |                                                                            |                           |           |  |  |
|                                                                                                                              |                                                                                                  |             | 3 PLACES                                                   | ± --- | ± ---                      | APPROVED BY<br>MLONG                                                                                                          | DATE<br>2010/02/08 |                                                                            |                           |           |  |  |
|                                                                                                                              |                                                                                                  |             | 2 PLACES                                                   | ± 0.2 | ± ---                      | MATERIAL NO.                                                                                                                  |                    | DOCUMENT NO.                                                               |                           | SHEET NO. |  |  |
|                                                                                                                              |                                                                                                  |             | 1 PLACE                                                    | ± --- | ± ---                      | SEE TABLE                                                                                                                     |                    | SD-87920-020                                                               |                           | 5 OF 11   |  |  |
| D6                                                                                                                           | REV                                                                                              |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                            |                           |           |  |  |

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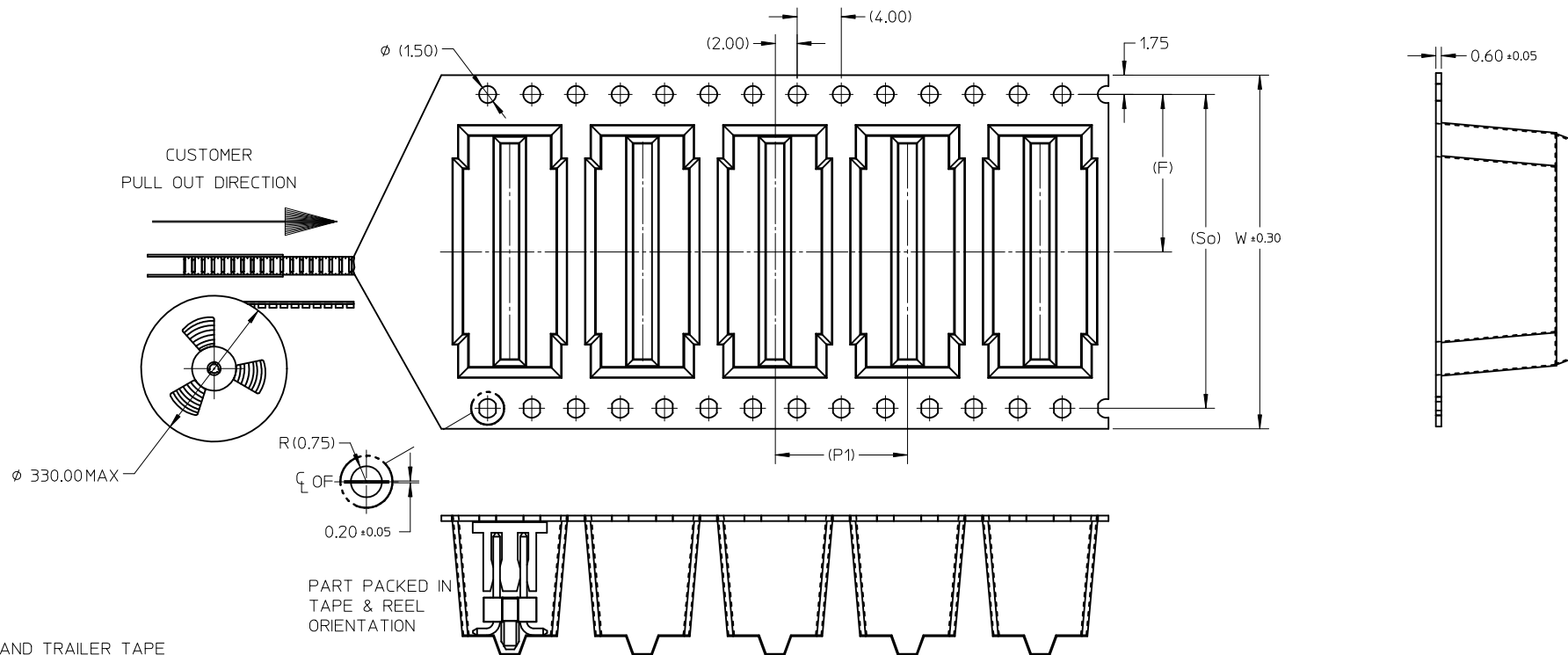
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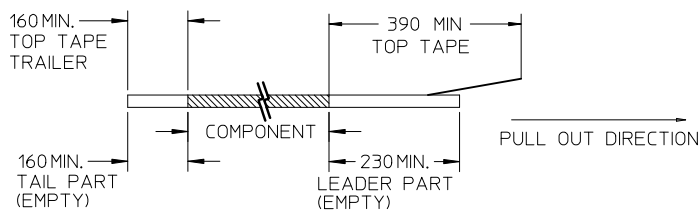
| CKT | F     | P1    | So    | W     |
|-----|-------|-------|-------|-------|
| 12  | 14.20 | 12.00 | 28.40 | 32.00 |
| 14  | 14.20 | 12.00 | 28.40 | 32.00 |
| 16  | 14.20 | 12.00 | 28.40 | 32.00 |
| 20  | 20.20 | 12.00 | 40.40 | 44.00 |

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 12, 14, 16 AND 20

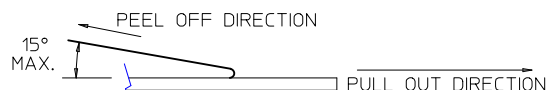


#### NOTES:

##### 1. LEADER AND TRAILER TAPE



##### 2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 440PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.

|                     |            |            |            |
|---------------------|------------|------------|------------|
| ADD P/N: 87920-9120 | 2010/07/14 | 2010/08/02 | 2010/08/03 |
| EC NO: S2011-0043   | DRWNSKANG  | CHKD:ATSEE | APPR:MLONG |
| D6                  | REV        |            |            |

| QUALITY SYMBOLS | DESCRIPTION |
|-----------------|-------------|
| $\nabla = 0$    |             |
| $\nabla E = 0$  |             |
| $\nabla F = 0$  |             |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                |           |
|------------------------------------------------------|-----------|
|                                                      | mm        |
| 4 PLACES                                             | $\pm 0.2$ |
| 3 PLACES                                             | $\pm 0.1$ |
| 2 PLACES                                             | $\pm 0.1$ |
| 1 PLACE                                              | $\pm 0.1$ |
| ANGULAR $\pm 3^\circ$                                |           |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |           |

| DIMENSION STYLE MM ONLY |            |
|-------------------------|------------|
| DRAWN BY                | DATE       |
| SKL IM01                | 2006/02/09 |
| CHECKED BY              | DATE       |
| PATEY                   | 2006/02/16 |
| APPROVED BY             | DATE       |
| MLONG                   | 2010/02/08 |
| MATERIAL NO.            |            |
| SEE TABLE               |            |
| SIZE                    |            |
| A3                      |            |

| SCALE                                                             | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-------------------------------------------------------------------|--------------|------------------------|
| NTS                                                               | METRIC       |                        |
| TITLE                                                             |              |                        |
| CUSTOM HEADER<br>2.54MM PITCH DUAL ROW<br>HEADER SINGLE WAFER SMT |              |                        |
| MOLEX INCORPORATED                                                |              |                        |
| DOCUMENT NO.                                                      | SHEET NO.    |                        |
| SD-87920-020                                                      | 6 OF 11      |                        |

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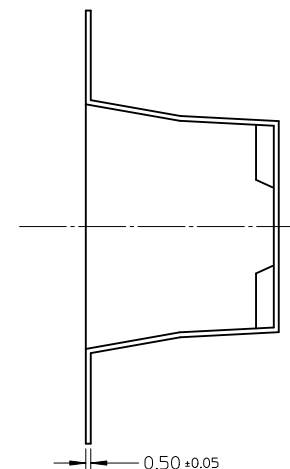
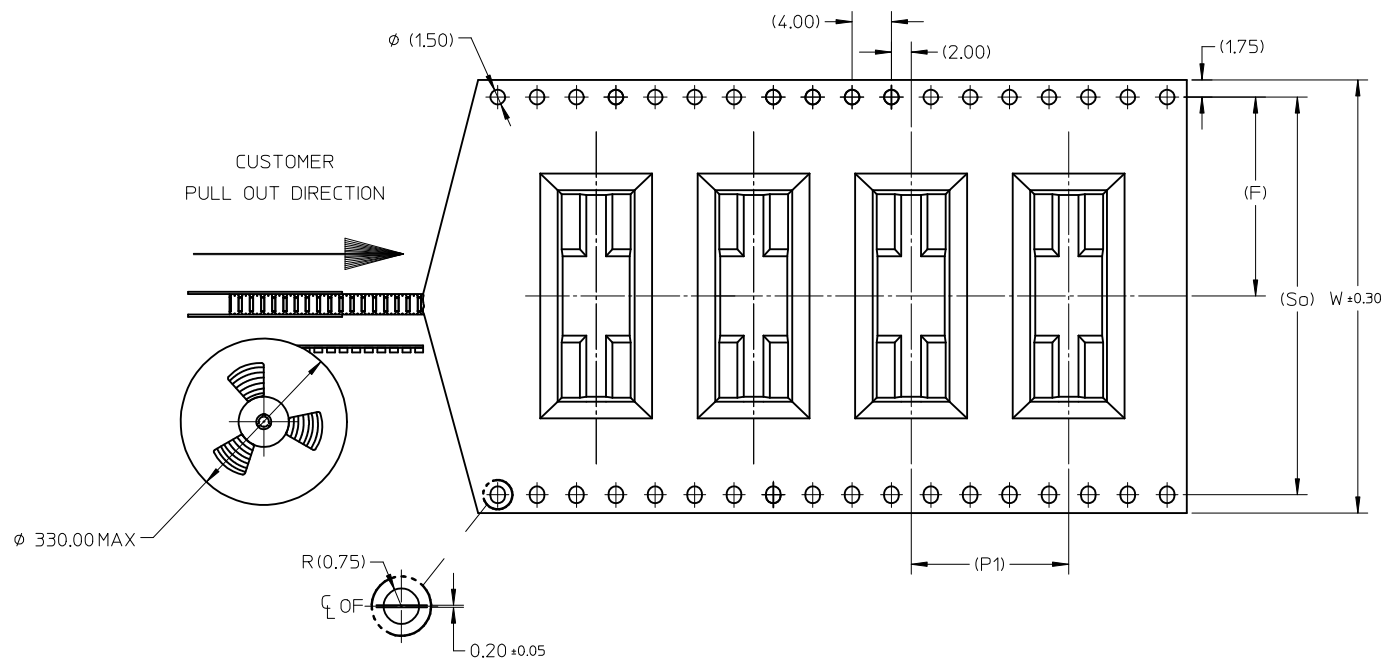
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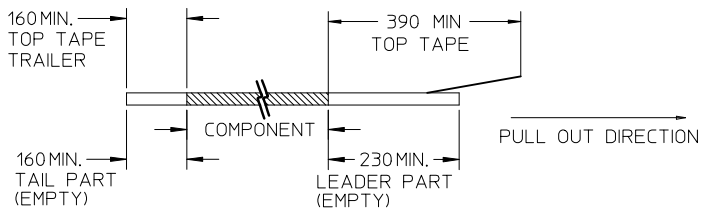
| CKT | F     | P1    | So    | W     |
|-----|-------|-------|-------|-------|
| 40  | 34.20 | 16.00 | 68.50 | 72.00 |

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 40

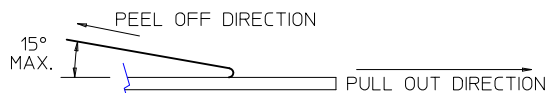


#### NOTES:

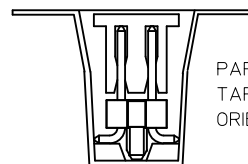
##### 1. LEADER AND TRAILER TAPE



##### 2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 250PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.



PART PACKED IN  
TAPE & REEL  
ORIENTATION

| ADD P/N: 87920-9120 |  | QUALITY SYMBOLS |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE   |  | SCALE        |  | DESIGN UNITS                                                                                                                  |  | THIRD ANGLE PROJECTION  |  |
|---------------------|--|-----------------|--|---------------------------------------|--|-------------------|--|--------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|
| REV                 |  | DESCRIPTION     |  | mm                                    |  | INCH              |  | NTS          |  | METRIC                                                                                                                        |  |                         |  |
| D6                  |  | REV             |  | F <sub>A</sub> =0                     |  | F <sub>B</sub> =0 |  | DRAWN BY     |  | DATE                                                                                                                          |  | TITLE                   |  |
|                     |  |                 |  | F <sub>C</sub> =0                     |  | F <sub>D</sub> =0 |  | SKLIM01      |  | 2006/02/09                                                                                                                    |  | CUSTOM HEADER           |  |
|                     |  |                 |  | F <sub>E</sub> =0                     |  | F <sub>F</sub> =0 |  | CHECKED BY   |  | DATE                                                                                                                          |  | 2.54MM PITCH DUAL ROW   |  |
|                     |  |                 |  | F <sub>G</sub> =0                     |  | F <sub>H</sub> =0 |  | PATEY        |  | 2006/02/16                                                                                                                    |  | HEADER SINGLE WAFER SMT |  |
|                     |  |                 |  | F <sub>I</sub> =0                     |  | F <sub>J</sub> =0 |  | APPROVED BY  |  | DATE                                                                                                                          |  | MOLEX INCORPORATED      |  |
|                     |  |                 |  | F <sub>K</sub> =0                     |  | F <sub>L</sub> =0 |  | MLONG        |  | 2010/02/08                                                                                                                    |  | SD-87920-020            |  |
|                     |  |                 |  | F <sub>M</sub> =0                     |  | F <sub>N</sub> =0 |  | MATERIAL NO. |  | DOCUMENT NO.                                                                                                                  |  | 7 OF 11                 |  |
|                     |  |                 |  | F <sub>O</sub> =0                     |  | F <sub>P</sub> =0 |  | SEE TABLE    |  |                                                                                                                               |  |                         |  |
|                     |  |                 |  | F <sub>Q</sub> =0                     |  | F <sub>R</sub> =0 |  | SIZE         |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                         |  |
|                     |  |                 |  | F <sub>S</sub> =0                     |  | F <sub>T</sub> =0 |  | A3           |  |                                                                                                                               |  |                         |  |

tb\_frame\_A3\_P\_AM\_T  
Rev. F 2009/06/18

|   | 10                              |                      | 9                |               | 8        |     |            | 7         |       | 6     |      | 5     |      | 4                               |                  | 3             |    |          | 2   |            | 1         |       |      |       |      |  |   |
|---|---------------------------------|----------------------|------------------|---------------|----------|-----|------------|-----------|-------|-------|------|-------|------|---------------------------------|------------------|---------------|----|----------|-----|------------|-----------|-------|------|-------|------|--|---|
| F | PART NUMBER IN PACKAGING OPTION |                      |                  |               | CKT SIZE | PEG | PLATE OPT. | DIMENSION |       |       |      |       |      | PART NUMBER IN PACKAGING OPTION |                  |               |    | CKT SIZE | PEG | PLATE OPT. | DIMENSION |       |      |       |      |  | F |
|   | TAPE & REEL W/O CAP             | TAPE & REEL WITH CAP | TUBE WITHOUT CAP | TUBE WITH CAP |          |     |            | A         | B     | C     | F    | G     | M    | TAPE & REEL WITH CAP            | TUBE WITHOUT CAP | TUBE WITH CAP | A  |          |     |            | B         | C     | F    | G     | M    |  |   |
|   | 87920-9120                      | 87920-9119           | 87920-9124       | 87920-9127    | 12       | N   | 1          | 15.24     | 12.70 | ----- | 9.66 | 10.66 | 6.10 | -----                           | 87920-8124       | 87920-8127    | 12 | Y        | 1   | 15.24      | 12.70     | 10.16 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | -----                | 87920-9125       | 87920-9128    | 12       | N   | 2          | 15.24     | 12.70 | ----- | 9.66 | 10.66 | 6.10 | -----                           | 87920-8125       | 87920-8128    | 12 | Y        | 2   | 15.24      | 12.70     | 10.16 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | -----                | 87920-9126       | 87920-9129    | 12       | N   | 3          | 15.24     | 12.70 | ----- | 9.66 | 10.66 | 6.10 | -----                           | 87920-8126       | 87920-8129    | 12 | Y        | 3   | 15.24      | 12.70     | 10.16 | 9.66 | 10.66 | 6.10 |  |   |
|   |                                 |                      |                  |               |          |     |            |           |       |       |      |       |      |                                 |                  |               |    |          |     |            |           |       |      |       |      |  |   |
| E | -----                           | 87920-9115           | 87920-9144       | 87920-9147    | 14       | N   | 1          | 17.78     | 15.24 | ----- | 9.66 | 10.66 | 6.10 | 87920-8115                      | 87920-8144       | 87920-8147    | 14 | Y        | 1   | 17.78      | 15.24     | 12.70 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | 87920-9215           | 87920-9145       | 87920-9148    | 14       | N   | 2          | 17.78     | 15.24 | ----- | 9.66 | 10.66 | 6.10 | 87920-8215                      | 87920-8145       | 87920-8148    | 14 | Y        | 2   | 17.78      | 15.24     | 12.70 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | 87920-9315           | 87920-9146       | 87920-0014    | 14       | N   | 3          | 17.78     | 15.24 | ----- | 9.66 | 10.66 | 6.10 | 87920-8315                      | 87920-8146       | 87920-8149    | 14 | Y        | 3   | 17.78      | 15.24     | 12.70 | 9.66 | 10.66 | 6.10 |  |   |
|   |                                 |                      |                  |               |          |     |            |           |       |       |      |       |      |                                 |                  |               |    |          |     |            |           |       |      |       |      |  |   |
| D | -----                           | 87920-9116           | 87920-9164       | 87920-9167    | 16       | N   | 1          | 20.32     | 17.78 | ----- | 9.66 | 10.66 | 6.10 | 87920-8116                      | 87920-8164       | 87920-8167    | 16 | Y        | 1   | 20.32      | 17.78     | 15.24 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | 87920-9216           | 87920-9165       | 87920-9168    | 16       | N   | 2          | 20.32     | 17.78 | ----- | 9.66 | 10.66 | 6.10 | 87920-8216                      | 87920-8165       | 87920-8168    | 16 | Y        | 2   | 20.32      | 17.78     | 15.24 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | 87920-9316           | 87920-9166       | 87920-9169    | 16       | N   | 3          | 20.32     | 17.78 | ----- | 9.66 | 10.66 | 6.10 | 87920-8316                      | 87920-8166       | 87920-8169    | 16 | Y        | 3   | 20.32      | 17.78     | 15.24 | 9.66 | 10.66 | 6.10 |  |   |
|   |                                 |                      |                  |               |          |     |            |           |       |       |      |       |      |                                 |                  |               |    |          |     |            |           |       |      |       |      |  |   |
| C | -----                           | -----                | 87920-9184       | 87920-9187    | 18       | N   | 1          | 22.86     | 20.32 | ----- | 9.66 | 10.66 | 6.10 | -----                           | 87920-8184       | 87920-8187    | 18 | Y        | 1   | 22.86      | 20.32     | 17.78 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | -----                | 87920-9185       | 87920-9188    | 18       | N   | 2          | 22.86     | 20.32 | ----- | 9.66 | 10.66 | 6.10 | -----                           | 87920-8185       | 87920-8188    | 18 | Y        | 2   | 22.86      | 20.32     | 17.78 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | -----                | 87920-9186       | 87920-9189    | 18       | N   | 3          | 22.86     | 20.32 | ----- | 9.66 | 10.66 | 6.10 | -----                           | 87920-8186       | 87920-8189    | 18 | Y        | 3   | 22.86      | 20.32     | 17.78 | 9.66 | 10.66 | 6.10 |  |   |
|   |                                 |                      |                  |               |          |     |            |           |       |       |      |       |      |                                 |                  |               |    |          |     |            |           |       |      |       |      |  |   |
|   | -----                           | 87920-9117           | 87920-9204       | 87920-9207    | 20       | N   | 1          | 25.40     | 22.86 | ----- | 9.66 | 10.66 | 6.10 | 87920-8117                      | 87920-8204       | 87920-8207    | 20 | Y        | 1   | 25.40      | 22.86     | 20.32 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | 87920-9217           | 87920-9205       | 87920-9208    | 20       | N   | 2          | 25.40     | 22.86 | ----- | 9.66 | 10.66 | 6.10 | 87920-8217                      | 87920-8205       | 87920-8208    | 20 | Y        | 2   | 25.40      | 22.86     | 20.32 | 9.66 | 10.66 | 6.10 |  |   |
|   | -----                           | 87920-9317           | 87920-9206       | 87920-9209    | 20       | N   | 3          | 25.40     | 22.86 | ----- | 9.66 | 10.66 | 6.10 | 87920-8317                      | 87920-8206       | 87920-8209    | 20 | Y        | 3   | 25.40      | 22.86     | 20.32 | 9.66 | 10.66 | 6.10 |  |   |
|   |                                 |                      |                  |               |          |     |            |           |       |       |      |       |      |                                 |                  |               |    |          |     |            |           |       |      |       |      |  |   |
|   |                                 |                      |                  |               |          |     |            |           |       |       |      |       |      |                                 |                  |               |    |          |     |            |           |       |      |       |      |  |   |

|   |                                                                                                                     |       |             |                                                                                                     |                                       |              |                                                            |                            |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|---|---------------------------------------------------------------------------------------------------------------------|-------|-------------|-----------------------------------------------------------------------------------------------------|---------------------------------------|--------------|------------------------------------------------------------|----------------------------|--------------------|--------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|---|----------------------|
| B |                                                                                                                     |       |             |                                                                                                     |                                       |              |                                                            |                            |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  | B |                      |
|   | ADD P/N: 87920-9120<br>EC NO: S2011-0043<br>DRWN:SKANG 2010/07/14<br>CHKD:ATSEE 2010/08/02<br>APPR:MLONG 2010/08/03 |       | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>G</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |              |                                                            | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                                                                                           |  | CUSTOM HEADER<br>2.54MM PITCH DUAL ROW<br>HEADER SINGLE WAFER SMT<br><div>molex</div> MOLEX INCORPORATED |  |  |  |  |  |  |   | SHEET NO.<br>9 OF 11 |
|   |                                                                                                                     |       |             |                                                                                                     |                                       | mm           | INCH                                                       | DRAWN BY<br>SKLIM01        | DATE<br>2006/02/09 |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     | 4 PLACES                              | ± ---        | ± ---                                                      | CHECKED BY                 | DATE               |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     | 3 PLACES                              | ± ---        | ± ---                                                      | PATEY                      | 2006/02/16         |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     | 2 PLACES                              | ± 0.2        | ± ---                                                      | APPROVED BY                | DATE               |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   | 1 PLACE                                                                                                             | ± --- | ± ---       | MLONG                                                                                               | 2010/02/08                            | MATERIAL NO. |                                                            | DOCUMENT NO.               |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             | ANGULAR ± 3 °                                                                                       |                                       |              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                            | SEE TABLE          |              | SD-87920-020           |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   | D6                                                                                                                  |       | REV         |                                                                                                     |                                       |              |                                                            |                            |                    | SIZE<br>A3   |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     |                                       |              |                                                            |                            |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |

|   |                                                                                                                     |       |             |                                                                                                     |                                       |              |                                                            |                            |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|---|---------------------------------------------------------------------------------------------------------------------|-------|-------------|-----------------------------------------------------------------------------------------------------|---------------------------------------|--------------|------------------------------------------------------------|----------------------------|--------------------|--------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|---|----------------------|
| A |                                                                                                                     |       |             |                                                                                                     |                                       |              |                                                            |                            |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  | A |                      |
|   | ADD P/N: 87920-9120<br>EC NO: S2011-0043<br>DRWN:SKANG 2010/07/14<br>CHKD:ATSEE 2010/08/02<br>APPR:MLONG 2010/08/03 |       | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>G</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |              |                                                            | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                                                                                           |  | CUSTOM HEADER<br>2.54MM PITCH DUAL ROW<br>HEADER SINGLE WAFER SMT<br><div>molex</div> MOLEX INCORPORATED |  |  |  |  |  |  |   | SHEET NO.<br>9 OF 11 |
|   |                                                                                                                     |       |             |                                                                                                     |                                       | mm           | INCH                                                       | DRAWN BY<br>SKLIM01        | DATE<br>2006/02/09 |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     | 4 PLACES                              | ± ---        | ± ---                                                      | CHECKED BY                 | DATE               |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     | 3 PLACES                              | ± ---        | ± ---                                                      | PATEY                      | 2006/02/16         |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     | 2 PLACES                              | ± 0.2        | ± ---                                                      | APPROVED BY                | DATE               |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   | 1 PLACE                                                                                                             | ± --- | ± ---       | MLONG                                                                                               | 2010/02/08                            | MATERIAL NO. |                                                            | DOCUMENT NO.               |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             | ANGULAR ± 3 °                                                                                       |                                       |              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                            | SEE TABLE          |              | SD-87920-020           |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   | D6                                                                                                                  |       | REV         |                                                                                                     |                                       |              |                                                            |                            |                    | SIZE<br>A3   |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                                          |  |  |  |  |  |  |   |                      |
|   |                                                                                                                     |       |             |                                                                                                     |                                       |              |                                                            |                            |                    |              |                        |                                                                                                                                  |  |                                                                                                          |  |  |  |  |  |  |   |                      |



