

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0877593214](#)  
**Status:** **Active**  
**Overview:** [milligrid](#)  
**Description:** 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 32 Circuits, 0.38μm (15μ") Gold (Au) Selective Plating, without Press-fit Plastic Pegs, Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-87761-100 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

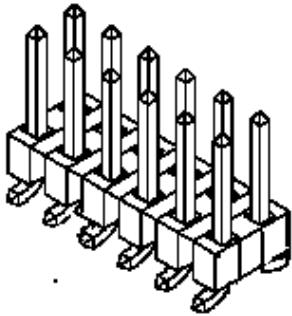
UL E29179

**General**

Product Family PCB Headers  
Series [87759](#)  
Application Board-to-Board  
Overview [milligrid](#)  
Product Name Milli-Grid™

**Physical**

Breakaway Yes  
Circuits (Loaded) 32  
Circuits (maximum) 32  
Color - Resin Black  
Durability (mating cycles max) 100  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part None  
Mated Height (in) 0.150 In  
Mated Height (mm) 3.80 mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin Nylon  
Number of Rows 2  
Orientation Vertical  
PCB Locator No  
PCB Retention None  
Packaging Type Tube  
Pitch - Mating Interface (in) 0.079 In  
Pitch - Mating Interface (mm) 2.00 mm  
Pitch - Term. Interface (in) 0.079 In  
Pitch - Term. Interface (mm) 2.00 mm  
Plating min: Mating (μin) 15  
Plating min: Mating (μm) 0.38  
Polarized to Mating Part No  
Polarized to PCB No  
Shrouded No  
Stackable No  
Temperature Range - Operating -55°C to +105°C  
Termination Interface: Style Surface Mount



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Halogen-Free  
Status**

**China RoHS**



**Not Reviewed**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**

[87759Series](#)

**Mates With**

[79107](#) Milli-Grid™ Receptacle, Vertical,  
Through Hole. [79108](#) Milli-Grid™ Flex-to-  
Board, Vertical Receptacle. Milli-Grid™  
Receptacle, Surface Mount. [79109](#). [87381](#)

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2A   |
| Voltage - Maximum             | 125V |

**Solder Process Data**

|                              |                           |
|------------------------------|---------------------------|
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Process Temperature max. C   | 250                       |

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-89990-475 |
| Product Specification   | PS-87761-100 |
| Sales Drawing           | SD-87759-117 |

This document was generated on 05/25/2010

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F

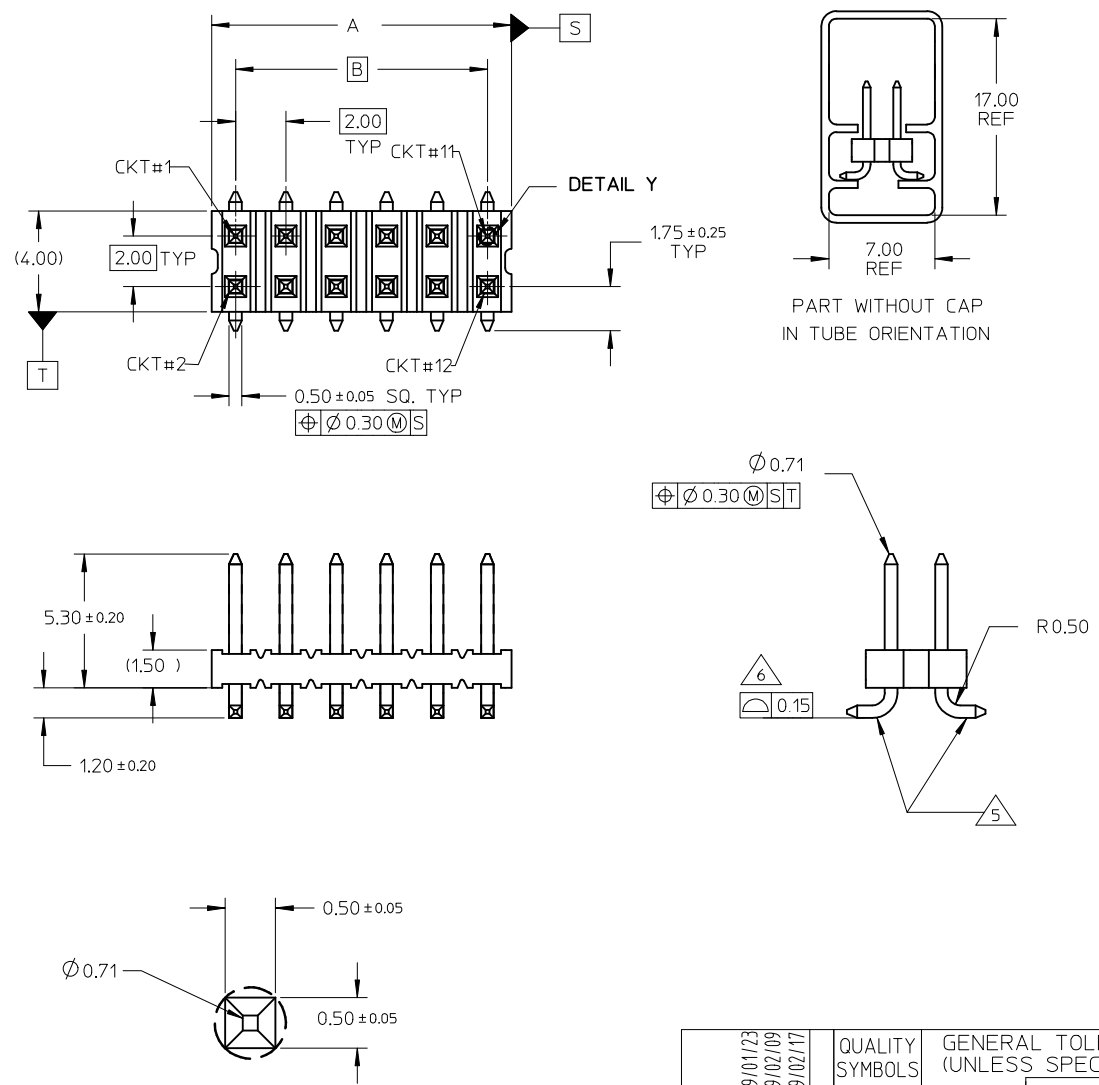
E

D

C

B

A



NOTE:

1. MATERIAL:  
HSG & CAP - NYLON, GLASS FILLED  
UL 94V-0, COLOUR BLACK  
  
PIN - 0.50 SQ PHOSPHOR BRONZE
2. PLATING:  
0.38um MIN GOLD PLATE AT CONTACT AREA,  
TIN PLATE AT SOLDER AREA,  
BOTH OVER NICKEL UNDERPLATE
3. PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION
4. PRODUCT SPEC PS-87761-100 APPLIES.
5. BEND DEPRESSION IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL.
6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE.
7. CAP TO BE LOCATED AS CENTRAL OF PART AS POSSIBLE  
TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE.
8. FOR ILLUSTRATION PURPOSES, 12CKT IS SHOWN.
9. CKT 4 & 6 IS CUT FROM CKT 8 & 12 RESPECTIVELY  
ROUGH EDGES ARE EXPECTED ALONG THE CUTTING EDGES.
10. PART TO BE PACKED IN TRAY ONLY.
11. TUBE LENGTH IS 560MM REF STANDARD.

| ADD. OPTION       |  | QUALITY SYMBOLS |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE |  | SCALE        |  | DESIGN UNITS |  | THIRD ANGLE PROJECTION |  |
|-------------------|--|-----------------|--|------------------------------------------------------|--|-----------------|--|--------------|--|--------------|--|------------------------|--|
| EC NO: S2009-0510 |  | DESCRIPTION     |  | mm                                                   |  | MM ONLY         |  | NTS          |  | METRIC       |  |                        |  |
| 2009/01/23        |  | DRAWN BY        |  | ± ---                                                |  | DATE            |  | DATE         |  | DATE         |  | DATE                   |  |
| 2009/02/09        |  | CHECKED BY      |  | ± ---                                                |  | DATE            |  | DATE         |  | DATE         |  | DATE                   |  |
| 2009/02/17        |  | APPROVED BY     |  | ± 0.2                                                |  | DATE            |  | DATE         |  | DATE         |  | DATE                   |  |
|                   |  | SKT0H           |  | ± ---                                                |  | DATE            |  | DATE         |  | DATE         |  | DATE                   |  |
|                   |  | MATERIAL NO.    |  | ANGULAR ± 3 °                                        |  | DATE            |  | DATE         |  | DATE         |  | DATE                   |  |
|                   |  | SIZE            |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SEE TABLE       |  | DOCUMENT NO. |  | SHEET NO.    |  | SHEET NO.              |  |
| B2                |  | REV             |  |                                                      |  |                 |  |              |  |              |  |                        |  |

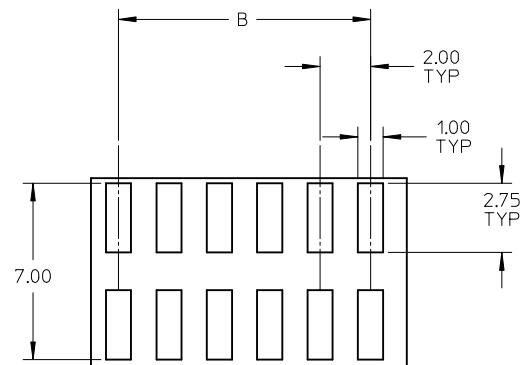
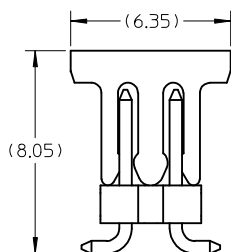
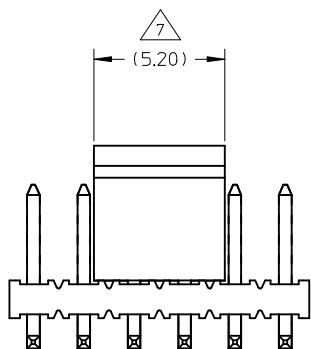
CUSTOM HEADER  
MGRID, 2MM DUAL ROW HDR.  
SMT

MOLEX INCORPORATED

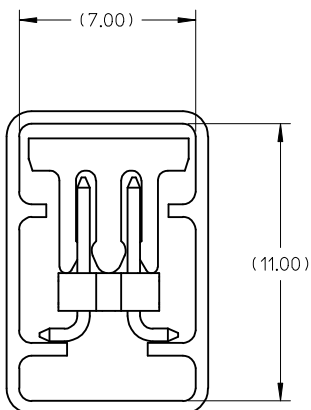
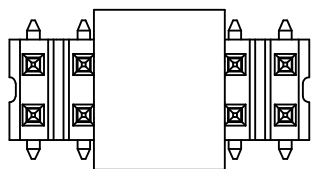
SD-87759-117

1 OF 6

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



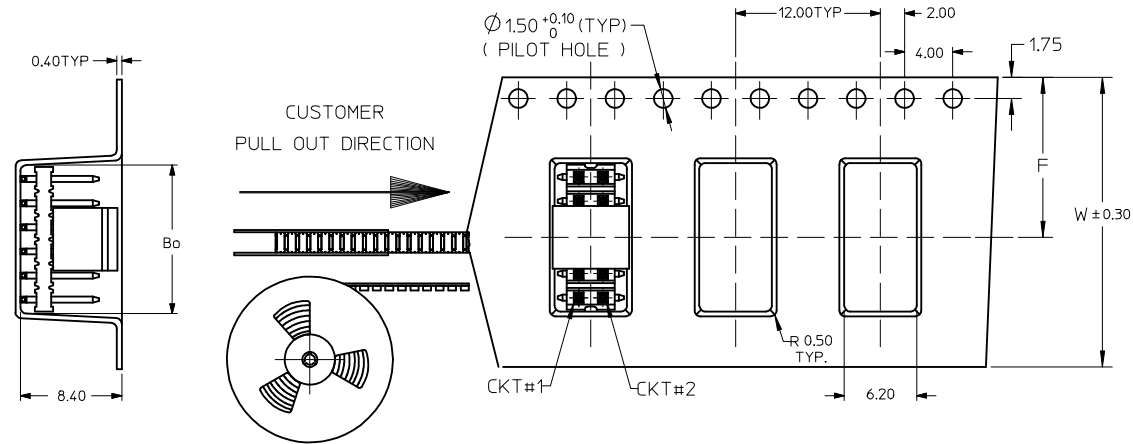
RECOMMENDED SOLDER PAD LAYOUT



|                                                                                                                         |                    |                                                  |                                                            |       |                                                                                                                                  |                  |                              |                                                           |                           |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------|------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|-----------------------------------------------------------|---------------------------|--|--|--|
| ADD. OPTION<br>EC NO: S2009-0510<br>DRAWN AT SEE<br>CHK'D:SKANG<br>APPR:MLONG<br>2009/01/23<br>2009/02/09<br>2009/02/17 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><div>▽=0</div> <div>◻=0</div> | 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>KSEE | DATE<br>2003/12/12           | TITLE<br>CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT |                           |  |  |  |
|                                                                                                                         |                    |                                                  | 4 PLACES                                                   | ± --- | ± ---                                                                                                                            | CHECKED BY       | DATE                         |                                                           |                           |  |  |  |
|                                                                                                                         |                    |                                                  | 3 PLACES                                                   | ± --- | ± ---                                                                                                                            | KCLING           | 2004/01/12                   |                                                           |                           |  |  |  |
|                                                                                                                         |                    |                                                  | 2 PLACES                                                   | ± 0.2 | ± ---                                                                                                                            | APPROVED BY      | DATE                         | MOLEX MOLEX INCORPORATED                                  |                           |  |  |  |
|                                                                                                                         |                    |                                                  | 1 PLACE                                                    | ± --- | ± ---                                                                                                                            | SKTOH            | 2004/01/12                   |                                                           |                           |  |  |  |
|                                                                                                                         |                    |                                                  | ANGULAR ± 3 °                                              |       | MATERIAL NO.<br>SEE TABLE                                                                                                        |                  | DOCUMENT NO.<br>SD-87759-117 |                                                           | SHEET NO.<br>2 OF 6       |  |  |  |
|                                                                                                                         |                    |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |                              |                                                           |                           |  |  |  |

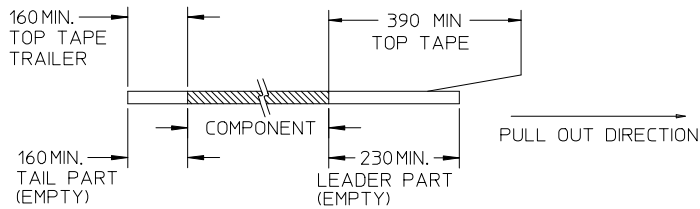
10 9 8 7 6 5 4 3 2 1

# EMBOSSED CARRIER TAPE TYPE "A"

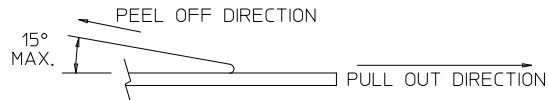


## NOTES:

### 12. LEADER AND TRAILER TAPE



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



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

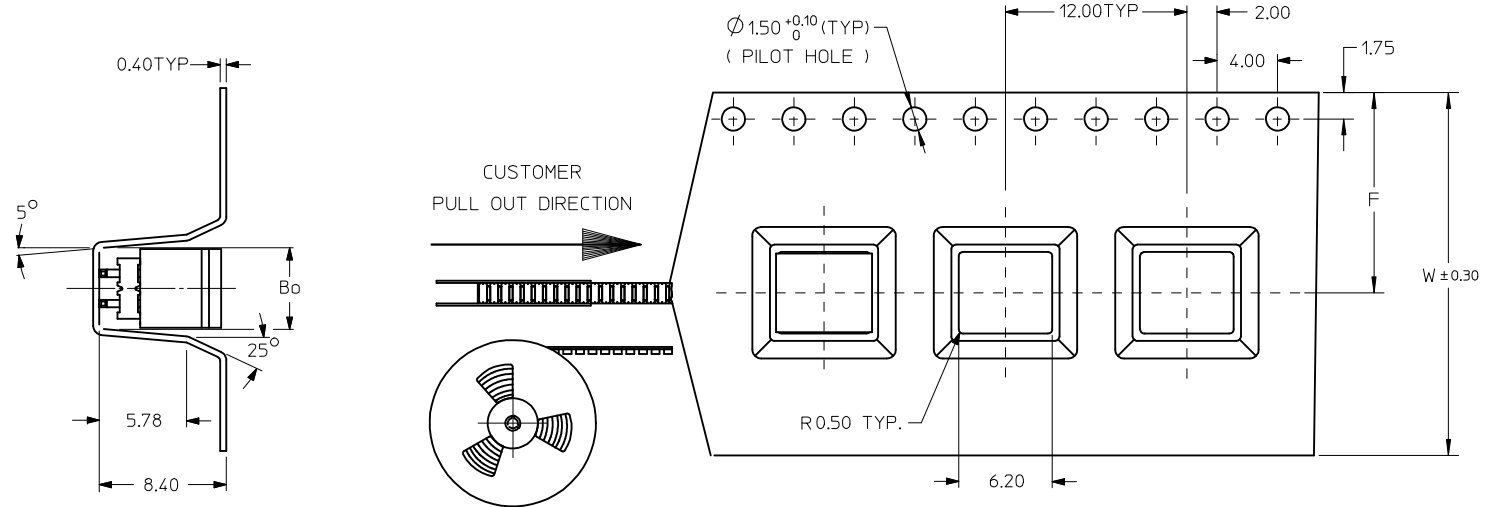
### 15. TAPE & REEL QUANTITY = 750 PCS/REEL

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

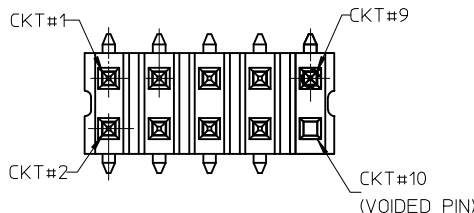
|                                                                                                                     |             |                                                  |                                       |       |                            |                                                                                                                                  |                    |                                                           |                           |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------|---------------------------------------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------|---------------------------|--|--|--|
| ADD. OPTION<br>EC NO: S2009-0510<br>2009/01/23<br>DRW:ATSEE<br>CHKD:SKANG<br>2009/02/09<br>APPR:MLONG<br>2009/02/17 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> | 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>KSEE                                                                                                                 | DATE<br>2003/12/12 | TITLE<br>CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT |                           |  |  |  |
|                                                                                                                     |             |                                                  | 4 PLACES                              | ± --- | ± ---                      | CHECKED BY<br>KCLING                                                                                                             | DATE<br>2004/01/12 |                                                           |                           |  |  |  |
|                                                                                                                     |             |                                                  | 3 PLACES                              | ± --- | ± ---                      | APPROVED BY<br>SKTOH                                                                                                             | DATE<br>2004/01/12 | MOLEX MOLEX INCORPORATED                                  |                           |  |  |  |
|                                                                                                                     |             |                                                  | 2 PLACES                              | ± 0.2 | ± ---                      | MATERIAL NO.<br>SEE TABLE                                                                                                        |                    |                                                           |                           |  |  |  |
|                                                                                                                     |             |                                                  | 1 PLACE                               | ± --- | ± ---                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                           |                           |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                          |             |                                                  |                                       |       |                            |                                                                                                                                  |                    |                                                           |                           |  |  |  |
| B2                                                                                                                  | REV         |                                                  |                                       |       |                            |                                                                                                                                  |                    |                                                           |                           |  |  |  |

|                                                                                                                      |                   |     |                                                  |                                                            |      |                            |             |                                                                                                                               |                                                  |                                                                                                                 |  |  |  |
|----------------------------------------------------------------------------------------------------------------------|-------------------|-----|--------------------------------------------------|------------------------------------------------------------|------|----------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|--|--|
| ADD. OPTION<br>EC NO: S2009-0510<br>DRWNA:TSEE<br>CHKD:SKANG<br>APPR:MLONG<br>2009/01/23<br>2009/02/09<br>2009/02/17 | DESCRIPTION<br>B2 | REV | QUALITY SYMBOLS<br><div>▽=0</div> <div>⋄=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |      | DIMENSION STYLE<br>MM ONLY |             | SCALE<br>NTS                                                                                                                  | DESIGN UNITS<br>METRIC                           |  THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                                                      |                   |     |                                                  |                                                            | mm   | INCH                       | DRAWN BY    | DATE                                                                                                                          | CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT |                                                                                                                 |  |  |  |
|                                                                                                                      |                   |     |                                                  | 4 PLACES                                                   | ±--- | ±---                       | KSEE        | 2003/12/12                                                                                                                    |                                                  |                                                                                                                 |  |  |  |
|                                                                                                                      |                   |     |                                                  | 3 PLACES                                                   | ±--- | ±---                       | CHECKED BY  | DATE                                                                                                                          |                                                  |                                                                                                                 |  |  |  |
|                                                                                                                      |                   |     |                                                  | 2 PLACES                                                   | ±0.2 | ±---                       | KCLING      | 2004/01/12                                                                                                                    | MOLEX INCORPORATED                               |                                                                                                                 |  |  |  |
|                                                                                                                      |                   |     |                                                  | 1 PLACE                                                    | ±--- | ±---                       | APPROVED BY | DATE                                                                                                                          |                                                  |                                                                                                                 |  |  |  |
|                                                                                                                      |                   |     |                                                  | ANGULAR ± 3 °                                              |      | SKTOH                      | 2004/01/12  | DOCUMENT NO.                                                                                                                  |                                                  | SHEET NO.                                                                                                       |  |  |  |
|                                                                                                                      |                   |     |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |      | SEE TABLE                  |             | SD-87759-117                                                                                                                  |                                                  | 4 OF 6                                                                                                          |  |  |  |
|                                                                                                                      |                   |     |                                                  |                                                            |      | SIZE<br>A3                 |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                  |                                                                                                                 |  |  |  |

EMBOSSSED CARRIER TAPE TYPE "C"



|                                                                                                                       |                   |                                                  |                                                            |       |                            |             |                                                                                                                               |                                                           |                           |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------|------------------------------------------------------------|-------|----------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------|--|--|--|
| ADD. OPTION<br>EC NO: S2009--0510<br>DRWNA:TSEE<br>CHKD:SKANG<br>APPR:MLONG<br>2009/01/23<br>2009/02/09<br>2009/02/17 | DESCRIPTION<br>B2 | QUALITY SYMBOLS<br><div>▽=0</div> <div>◇=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |             | SCALE<br>NTS                                                                                                                  | DESIGN UNITS<br>METRIC                                    | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                                                       |                   |                                                  |                                                            | mm    | INCH                       | DRAWN BY    | DATE                                                                                                                          | TITLE<br>CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT |                           |  |  |  |
|                                                                                                                       |                   |                                                  | 4 PLACES                                                   | ± --- | ± ---                      | KSEE        | 2003/12/12                                                                                                                    |                                                           |                           |  |  |  |
|                                                                                                                       |                   |                                                  | 3 PLACES                                                   | ± --- | ± ---                      | CHECKED BY  | DATE                                                                                                                          |                                                           |                           |  |  |  |
|                                                                                                                       |                   |                                                  | 2 PLACES                                                   | ± 0.2 | ± ---                      | KCL ING     | 2004/01/12                                                                                                                    | MOLEX INCORPORATED                                        |                           |  |  |  |
|                                                                                                                       |                   |                                                  | 1 PLACE                                                    | ± --- | ± ---                      | APPROVED BY | DATE                                                                                                                          |                                                           |                           |  |  |  |
|                                                                                                                       |                   |                                                  | ANGULAR ± 3 °                                              |       | SKTOH                      | 2004/01/12  | DOCUMENT NO.                                                                                                                  |                                                           | SHEET NO.                 |  |  |  |
|                                                                                                                       |                   |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | MATERIAL NO.               |             | SD-87759-117                                                                                                                  |                                                           | 5 OF 6                    |  |  |  |
|                                                                                                                       |                   |                                                  |                                                            |       | SEE TABLE                  |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                           |                           |  |  |  |
|                                                                                                                       |                   |                                                  |                                                            |       | SIZE<br>A3                 |             |                                                                                                                               |                                                           |                           |  |  |  |

|   | 10                                                                                           | 9                                                                                            | 8                                                                                            | 7           |              | 6     |       |       | 5     |       |       | 4                | 3                                                                                                                                                                                                                                                     | 2 | 1 |
|---|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------|--------------|-------|-------|-------|-------|-------|-------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
|   | PART NUMBER<br>WITHOUT CAP IN TUBE                                                           | PART NUMBER<br>WITH CAP IN TUBE                                                              | PART NUMBER<br>WITH CAP IN TAPE<br>AND REEL.                                                 | CKT<br>SIZE | VOID<br>CKTS | A     | B     | Bo    | F     | So    | W     | EMBOSSED<br>TYPE |                                                                                                                                                                                                                                                       |   |   |
| F | 87759-0414  | 87759-0464                                                                                   | 87759-0474                                                                                   | 4           | --           | NA    | 2.00  | 5.40  | 11.50 | -     | 24.00 | C                | <div>NOTES:</div> <div> VOIDED PIN CKT#10 FOR PART#87759-1002</div> <div></div> |   |   |
|   | 87759-0614  | 87759-0664                                                                                   | 87759-0674                                                                                   | 6           | --           | NA    | 4.00  | 7.20  | 11.50 | -     | 24.00 | C                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-0814                                                                                   | 87759-0864                                                                                   | 87759-0874                                                                                   | 8           | --           | 7.90  | 6.00  | 8.20  | 11.50 | -     | 24.00 | C                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-1014                                                                                   | 87759-1064                                                                                   | 87759-1074                                                                                   | 10          | --           | 9.90  | 8.00  | 10.20 | 11.50 | -     | 24.00 | A                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-1002  | 87759-1003  | 87759-1004  | 10          | 10           | 9.90  | 8.00  | 10.20 | 11.50 | -     | 24.00 | A                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-1214                                                                                   | 87759-1264                                                                                   | 87759-1274                                                                                   | 12          | --           | 11.90 | 10.00 | 12.20 | 11.50 | -     | 24.00 | A                |                                                                                                                                                                                                                                                       |   |   |
| E | 87759-1414                                                                                   | 87759-1464                                                                                   | 87759-1474                                                                                   | 14          | --           | 13.90 | 12.00 | 14.20 | 11.50 | -     | 24.00 | A                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-1614                                                                                   | 87759-1664                                                                                   | 87759-1674                                                                                   | 16          | --           | 15.90 | 14.00 | 16.20 | 14.20 | 28.40 | 32.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-1814                                                                                   | 87759-1864                                                                                   | 87759-1874                                                                                   | 18          | --           | 17.90 | 16.00 | 18.20 | 14.20 | 28.40 | 32.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-2014                                                                                   | 87759-2064                                                                                   | 87759-2074                                                                                   | 20          | --           | 19.90 | 18.00 | 20.20 | 14.20 | 28.40 | 32.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-2214                                                                                   | 87759-2264                                                                                   | 87759-2274                                                                                   | 22          | --           | 21.90 | 20.00 | 22.20 | 20.20 | 40.40 | 44.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-2414                                                                                   | 87759-2464                                                                                   | 87759-2474                                                                                   | 24          | --           | 23.90 | 22.00 | 24.20 | 20.20 | 40.40 | 44.00 | B                |                                                                                                                                                                                                                                                       |   |   |
| D | 87759-2614                                                                                   | 87759-2664                                                                                   | 87759-2674                                                                                   | 26          | --           | 25.90 | 24.00 | 26.20 | 20.20 | 40.40 | 44.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-2814                                                                                   | 87759-2864                                                                                   | 87759-2874                                                                                   | 28          | --           | 27.90 | 26.00 | 28.20 | 20.20 | 40.40 | 44.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-3014                                                                                   | 87759-3064                                                                                   | 87759-3074                                                                                   | 30          | --           | 29.90 | 28.00 | 30.20 | 20.20 | 40.40 | 44.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-3214                                                                                   | 87759-3264                                                                                   | 87759-3274                                                                                   | 32          | --           | 31.90 | 30.00 | 32.20 | 20.20 | 40.40 | 44.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-3414                                                                                   | 87759-3464                                                                                   | 87759-3474                                                                                   | 34          | --           | 33.90 | 32.00 | 34.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-3614                                                                                   | 87759-3664                                                                                   | 87759-3674                                                                                   | 36          | --           | 35.90 | 34.00 | 36.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
| C | 87759-3814                                                                                   | 87759-3864                                                                                   | 87759-3874                                                                                   | 38          | --           | 37.90 | 36.00 | 38.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-4014                                                                                   | 87759-4064                                                                                   | 87759-4074                                                                                   | 40          | --           | 39.90 | 38.00 | 40.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-4214                                                                                   | 87759-4264                                                                                   | 87759-4274                                                                                   | 42          | --           | 41.90 | 40.00 | 42.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-4414                                                                                   | 87759-4464                                                                                   | 87759-4474                                                                                   | 44          | --           | 43.90 | 42.00 | 44.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-4614                                                                                   | 87759-4664                                                                                   | 87759-4674                                                                                   | 46          | --           | 45.90 | 44.00 | 46.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
|   | 87759-4814                                                                                   | 87759-4864                                                                                   | 87759-4874                                                                                   | 48          | --           | 47.90 | 46.00 | 48.20 | 26.20 | 52.40 | 56.00 | B                |                                                                                                                                                                                                                                                       |   |   |
| B | 87759-5014                                                                                   | 87759-5064                                                                                   | 87759-5074                                                                                   | 50          | --           | 49.90 | 48.00 | 50.20 | 34.20 | 68.40 | 72.00 | B                |                                                                                                                                                                                                                                                       |   |   |

|                                                            |                                                                                                                                                               |                                                                                                                                  |                                       |              |                                                           |                                                             |                                       |           |                            |  |              |                        |                                   |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------|-----------------------------------------------------------|-------------------------------------------------------------|---------------------------------------|-----------|----------------------------|--|--------------|------------------------|-----------------------------------|
| A                                                          | <div>ADD. OPTION<br/>EC NO: S2009-0510<br/>DRAWN BY: CHYD-SKANG<br/>CHECKED BY: CHYD-SKANG<br/>APPR: MLONG<br/>2009/01/23<br/>2009/02/09<br/>2009/02/17</div> |                                                                                                                                  |                                       |              |                                                           | <div>QUALITY SYMBOLS<br/><div>▽=0</div><div>◻=0</div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC | <div>THIRD ANGLE PROJECTION</div> |
|                                                            | 4 PLACES ± --- ± ---                                                                                                                                          |                                                                                                                                  | DRAWN BY DATE<br>KSEE 2003/12/12      |              | TITLE<br>CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT |                                                             |                                       |           |                            |  |              |                        |                                   |
|                                                            | 3 PLACES ± --- ± ---                                                                                                                                          |                                                                                                                                  | CHECKED BY DATE<br>KCL ING 2004/01/12 |              |                                                           |                                                             |                                       |           |                            |  |              |                        |                                   |
|                                                            | 2 PLACES ± 0.2 ± ---                                                                                                                                          |                                                                                                                                  | APPROVED BY DATE<br>SKTOH 2004/01/12  |              |                                                           |                                                             |                                       |           |                            |  |              |                        |                                   |
| 1 PLACE ± --- ± ---                                        |                                                                                                                                                               | ANGULAR ± 3 °                                                                                                                    |                                       | MATERIAL NO. |                                                           | DOCUMENT NO.                                                |                                       | SHEET NO. |                            |  |              |                        |                                   |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                                               | SEE TABLE                                                                                                                        |                                       | SD-87759-117 |                                                           | 6 OF 6                                                      |                                       |           |                            |  |              |                        |                                   |
| SIZE<br>A3                                                 |                                                                                                                                                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |              |                                                           |                                                             |                                       |           |                            |  |              |                        |                                   |

|                                         |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|---|---|---|---|---|---|---|---|---|
| tb_frame_A3_P_AM.T<br>Rev. E 2006/04/15 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
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