

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

**Part Number:** [0877591464](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid™](#)  
**Description:** 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 14 Circuits, 0.38μm (15μ") Gold (Au) Selective Plating, without Press-fit Plastic Pegs, Pick-and-Place Cap, Tube Packaging, 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 [Milli-Grid™](#)  
Product Name Milli-Grid™

**Physical**

Breakaway Yes  
Circuits (Loaded) 14  
Circuits (maximum) 14  
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  
Robotic Placement Pick and Place Cap  
Shrouded No  
Stackable No  
Temperature Range - Operating -55°C to +105°C

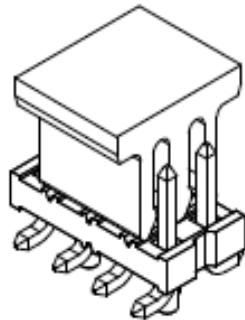


image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**China RoHS**



**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](#)

|                              |               |
|------------------------------|---------------|
| Termination Interface: Style | Surface Mount |
|------------------------------|---------------|

**Electrical**

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

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 10                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 3                         |
| Process Temperature max. C                     | 260                       |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-87761-100 |
| Sales Drawing         | SD-87759-117 |

This document was generated on 04/21/2010

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F

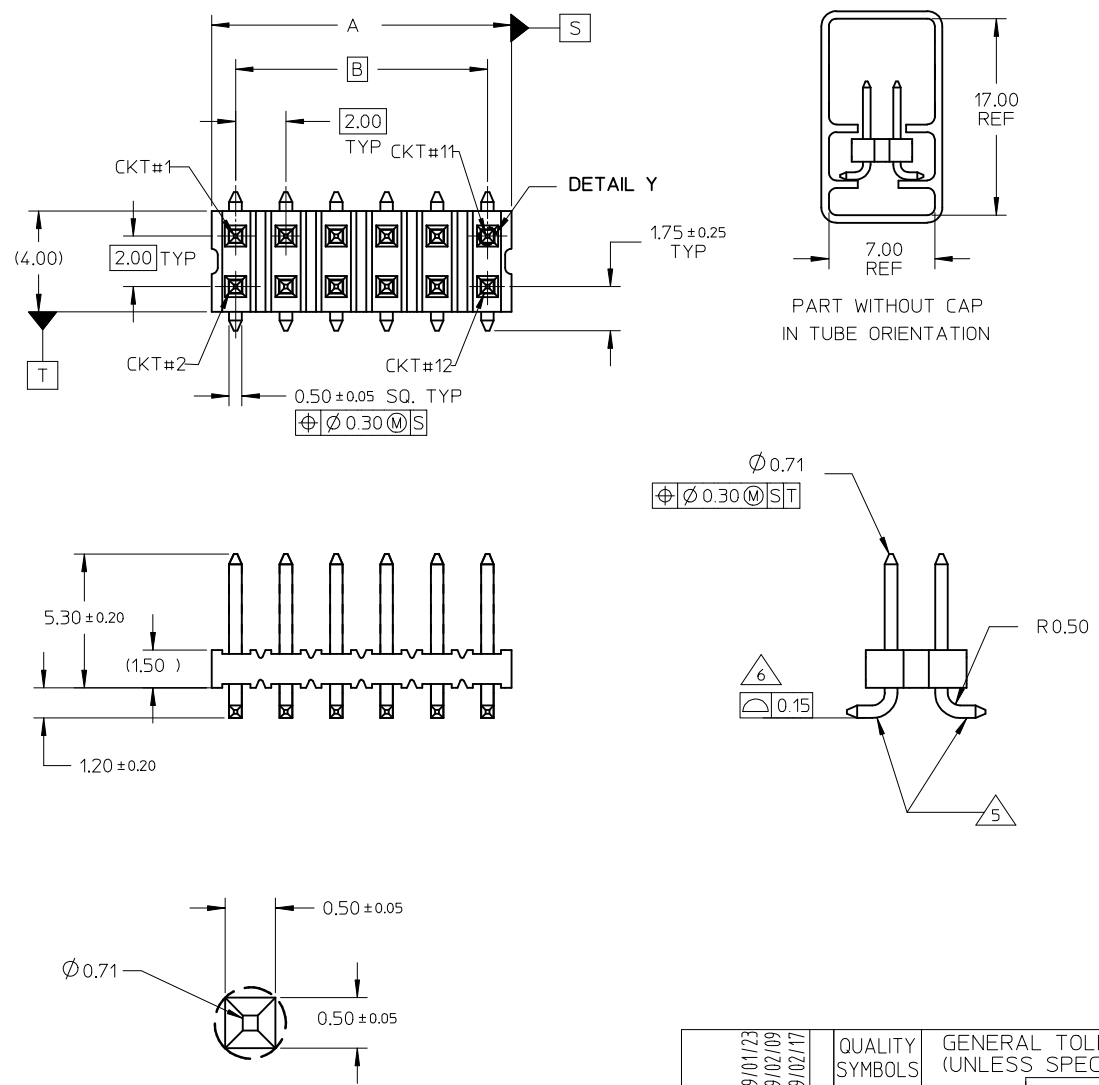
E

D

C

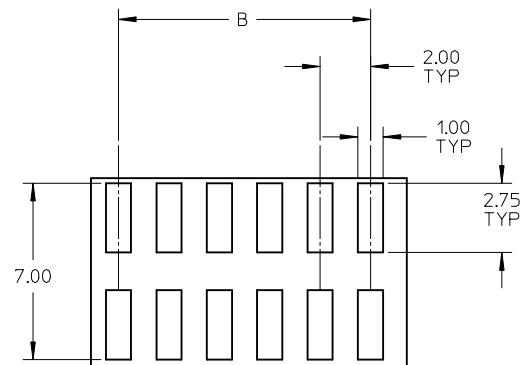
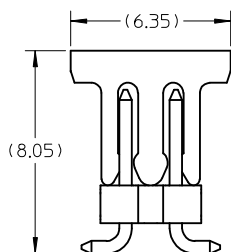
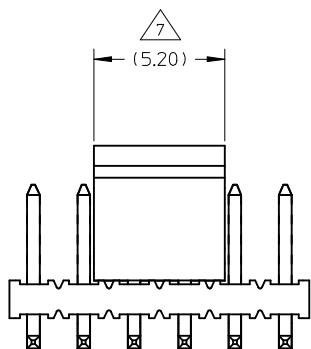
B

A

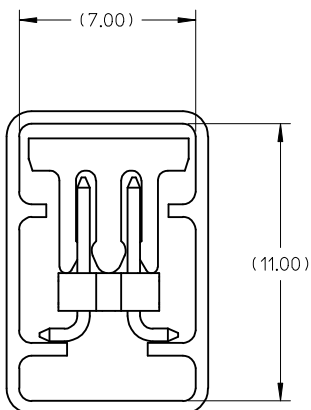
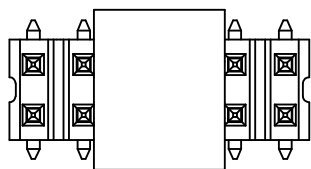


- NOTE:
1. MATERIAL:  
HSG & CAP - NYLON, GLASS FILLED  
UL 94V-0, COLOUR BLACK  
  
PIN - 0.50 SQ PHOSPHOR BRONZE
  2. PLATING:  
0.38um MIN GOLD PLATE AT CONTACT AREA,  
TIN PLATE AT SOLDER AREA,  
BOTH OVER NICKEL UNDERPLATE
  3. PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION
  4. PRODUCT SPEC PS-87761-100 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 AT SEE    |  | ± ---                                                |  | DRAWN BY        |  | DATE                                                                                                                          |              | TITLE                        |  |
| 2009/02/09        |  | CHKD:SKANG      |  | ± ---                                                |  | CHECKED BY      |  | DATE                                                                                                                          |              | CUSTOM HEADER                |  |
| 2009/02/17        |  | APPR:MLONG      |  | ± 0.2                                                |  | APPROVED BY     |  | DATE                                                                                                                          |              | MGRID, 2MM DUAL ROW HDR. SMT |  |
|                   |  |                 |  | ± ---                                                |  | SKTOH           |  | 2004/01/12                                                                                                                    |              | MOLEX INCORPORATED           |  |
|                   |  |                 |  | ANGULAR ± 3 °                                        |  | MATERIAL NO.    |  | DOCUMENT NO.                                                                                                                  |              | SD-87759-117                 |  |
|                   |  |                 |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SIZE            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              | SHEET NO. 1 OF 6             |  |
| B2                |  |                 |  |                                                      |  | A3              |  |                                                                                                                               |              |                              |  |



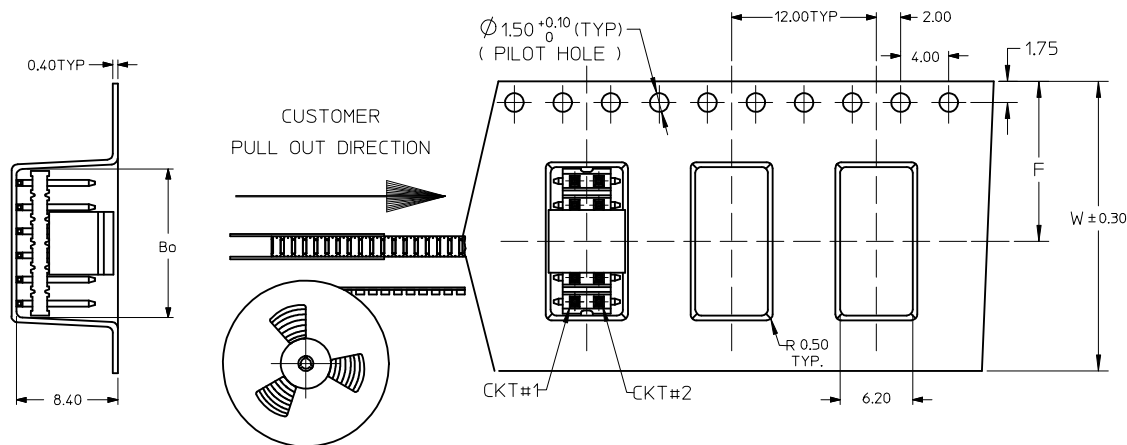
RECOMMENDED SOLDER PAD LAYOUT



|                                                                                                                         |                    |                                      |                                                            |  |                            |      |                                                                                                                                  |                        |                           |  |  |
|-------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|------------------------------------------------------------|--|----------------------------|------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| 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<br>SYMBOLS<br><br>▽=0<br>◻=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY |      | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                         |                    |                                      |                                                            |  | DRAWN BY                   | DATE | TITLE<br>CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT                                                                        |                        |                           |  |  |
|                                                                                                                         |                    |                                      |                                                            |  | CHECKED BY                 | DATE |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                         |                    |                                      |                                                            |  | APPROVED BY                | DATE | MOLEX INCORPORATED<br>DOCUMENT NO. SD-87759-117<br>SHEET NO. 2 OF 6                                                              |                        |                           |  |  |
|                                                                                                                         |                    |                                      | ANGULAR ± 3 °                                              |  | MATERIAL NO.               |      |                                                                                                                                  |                        |                           |  |  |
|                                                                                                                         |                    |                                      | 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 |                        |                           |  |  |

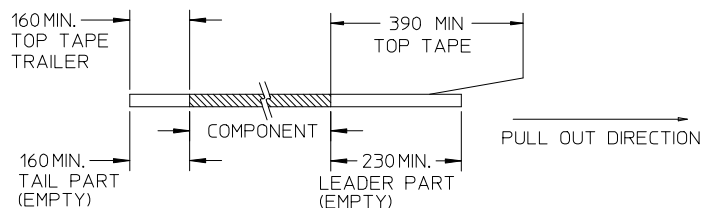
10 9 8 7 6 5 4 3 2 1

EMBOSSED CARRIER TAPE TYPE "A"

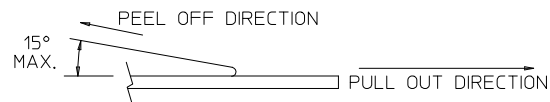


NOTES:

12. LEADER AND TRAILER TAPE



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



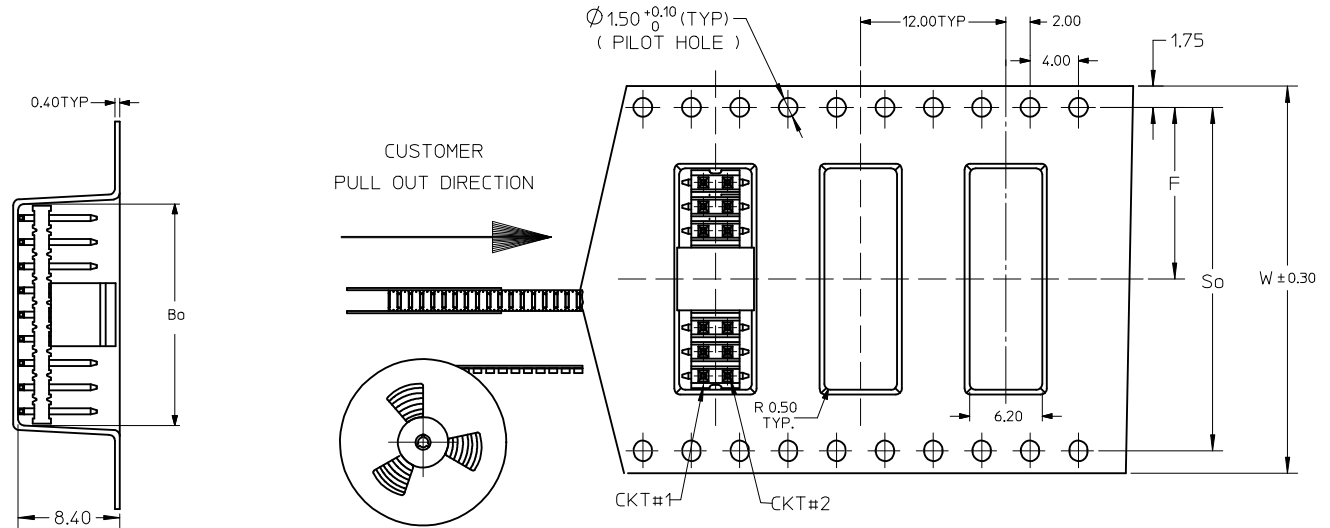
14. PACKAGING STANDARD IS AS PER EIA-481.

15. TAPE & REEL QUANTITY = 750 PCS/REEL

16. THE TAPE IS TREATED FOR ANTI-STATIC

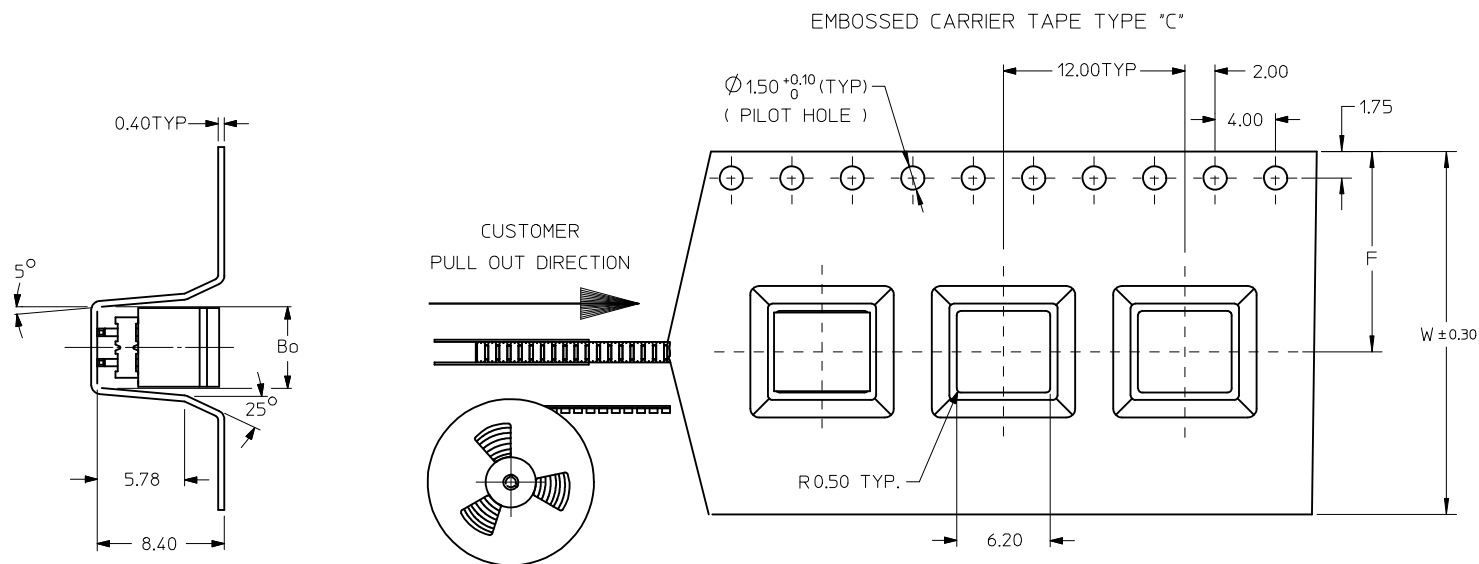
|                                                                                                                       |             |                                   |                                                            |  |                            |                    |               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

# EMBOSSED CARRIER TAPE TYPE "B"

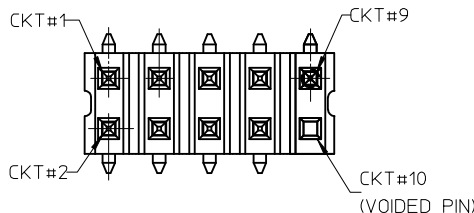


|                                                                                                                     |             |                                       |                                                                                                                                             |       |                            |                          |                    |                                                           |                           |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|--------------------------|--------------------|-----------------------------------------------------------|---------------------------|--|--|--|
| ADD. OPTION<br>EC NO: S2009-0510<br>2009/01/23<br>DRW:ATSEE<br>2009/02/09<br>CHKD:SKANG<br>2009/02/17<br>APPR:MLONG | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br><br>◻=0 | 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 |                                                           |                           |  |  |  |
|                                                                                                                     |             |                                       | 2 PLACES                                                                                                                                    | ± 0.2 | ± ---                      | MOLEX MOLEX INCORPORATED |                    |                                                           |                           |  |  |  |
|                                                                                                                     |             |                                       | 1 PLACE                                                                                                                                     | ± --- | ± ---                      |                          |                    |                                                           |                           |  |  |  |
|                                                                                                                     |             |                                       | ANGULAR ± 3 °                                                                                                                               |       | MATERIAL NO.               | DOCUMENT NO.             | SHEET NO.          |                                                           |                           |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                          |             |                                       | SEE TABLE                                                                                                                                   |       | SD-87759-117               |                          | 4 OF 6             |                                                           |                           |  |  |  |
| REV<br>B2                                                                                                           |             |                                       | SIZE<br>A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                            |                          |                    |                                                           |                           |  |  |  |

THIS TYPE OF CARRIER IS FOR CKT SIZE 8 AND BELOW.



|                                                                              |                                        |             |                                   |                                                            |  |                            |            |                                                                                                                                  |                        |                           |  |
|------------------------------------------------------------------------------|----------------------------------------|-------------|-----------------------------------|------------------------------------------------------------|--|----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|
| ADD. OPTION<br>EC NO: S2009-0510<br>DRAWN AT SEE<br>CHKD:SKANG<br>APPR:MLONG | 2009/01/23<br>2009/02/09<br>2009/02/17 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |            | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |
|                                                                              |                                        |             |                                   |                                                            |  | DRAWN BY                   | DATE       | TITLE                                                                                                                            |                        |                           |  |
|                                                                              |                                        |             |                                   |                                                            |  | CHECKED BY                 | DATE       | CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT                                                                                 |                        |                           |  |
|                                                                              |                                        |             |                                   |                                                            |  | APPROVED BY                | DATE       |                                                                                                                                  |                        |                           |  |
|                                                                              |                                        |             |                                   |                                                            |  | SKTOH                      | 2004/01/12 | molex                                                                                                                            |                        | MOLEX INCORPORATED        |  |
| B2                                                                           | REV                                    |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | MATERIAL NO.<br>SEE TABLE  |            | DOCUMENT NO.<br>SD-87759-117                                                                                                     |                        | SHEET NO.<br>5 OF 6       |  |
|                                                                              |                                        |             |                                   |                                                            |  | SIZE<br>A3                 |            | 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 |
|---|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------|--------------|-------|-------|-------|-------|-------|-------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
|   | 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 | THIRD ANGLE<br>PROJECTION |  |
|                                         | <div>4 PLACES ± --- ± ---</div> <div>3 PLACES ± --- ± ---</div> <div>2 PLACES ± 0.2 ± ---</div> <div>1 PLACE ± --- ± ---</div> <div>ANGULAR ± 3 °</div>       |  | <div>DRAWN BY DATE<br/>KSEE 2003/12/12</div> <div>CHECKED BY DATE<br/>KCL ING 2004/01/12</div> <div>APPROVED BY DATE<br/>SKTOH 2004/01/12</div> |  | TITLE<br>CUSTOM HEADER<br>MGRID, 2MM DUAL ROW HDR.<br>SMT |                                                             |                                       |  |                              |  |                     |                        |                           |  |
|                                         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                    |  | MATERIAL NO.<br>SEE TABLE                                                                                                                       |  |                                                           |                                                             |                                       |  | DOCUMENT NO.<br>SD-87759-117 |  | SHEET NO.<br>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                |  |                                                           |                                                             |                                       |  |                              |  |                     |                        |                           |  |
|                                         |                                                                                                                                                               |  |                                                                                                                                                 |  |                                                           |                                                             |                                       |  |                              |  |                     |                        |                           |  |
| fb_frame_A3_P_AM.T<br>Rev. E 2006/04/15 |                                                                                                                                                               |  |                                                                                                                                                 |  |                                                           |                                                             |                                       |  |                              |  |                     |                        |                           |  |
| 9 8 7 6 5 4 3 2 1                       |                                                                                                                                                               |  |                                                                                                                                                 |  |                                                           |                                                             |                                       |  |                              |  |                     |                        |                           |  |