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Part Number:

0791077072

Status:

Active

Description:

2.00mm (.079") Pitch Milli-Grid™ Receptacle, Vertical, Through Hole, Dual Row, 3.00mm (.118) Tail Length, 0.76µm (30µ") Gold (Au) Selective Plating, 46 Circuits, Leadfree

Documents:

3D Model

Drawing (PDF)

Product Specification PS-79107 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Product Name

PCB Receptacles

79107

Board-to-Board

Milli-Grid™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

46

Black

50

No

None

Phosphor Bronze

Gold

Tin

High Temperature Thermoplastic

2

Vertical

0.118 In

3.00 mm

No

None

0.062 In

1.60 mm

Tube

0.079 In

2.00 mm

0.079 In

2.00 mm

30

0.75

75

1.875

No

No

Yes

-55°C to +105°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

1A

125V

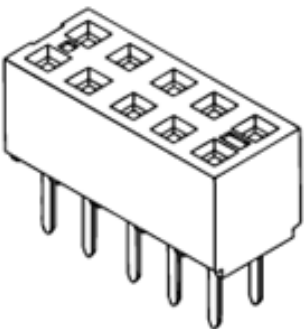
Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

10

Wave Capable (TH only)



Series

image - Reference only

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

79107Series

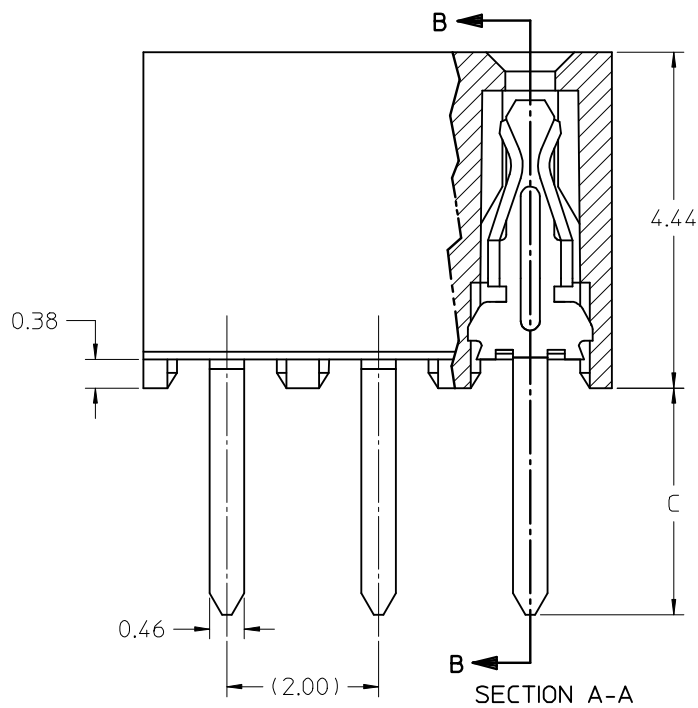
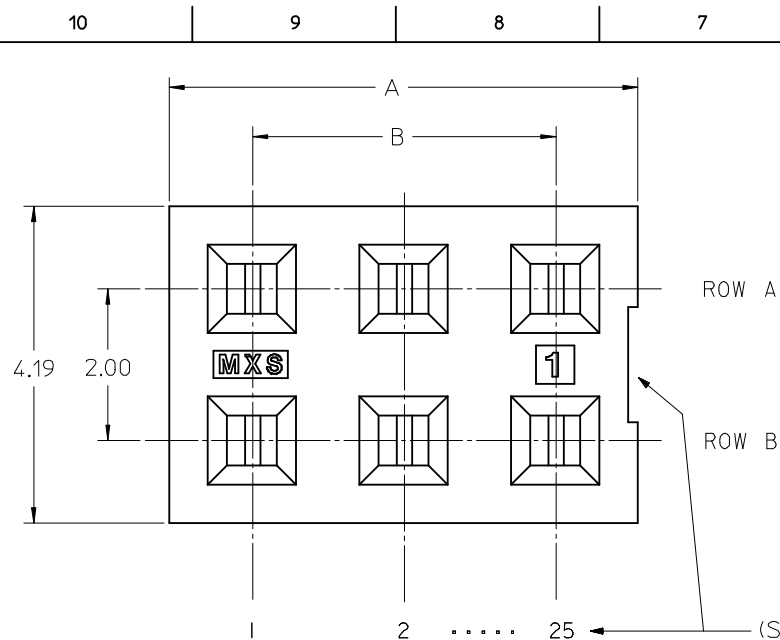
Mates With

87758 Vertical, Through Hole, Stackable PCB Header, 87759 Vertical, Surface Mount, Stackable PCB Header, 87760 Right Angle, Through Hole, Stackable PCB Header, 87831 Vertical, Through Hole PCB Header, 87832 Vertical, Surface Mount PCB

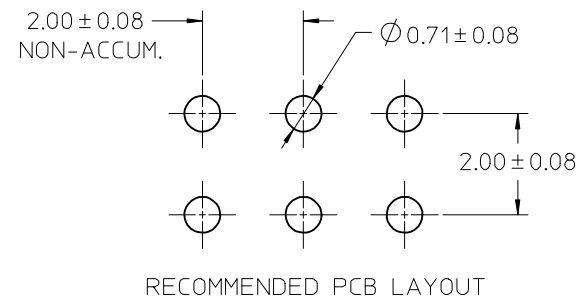
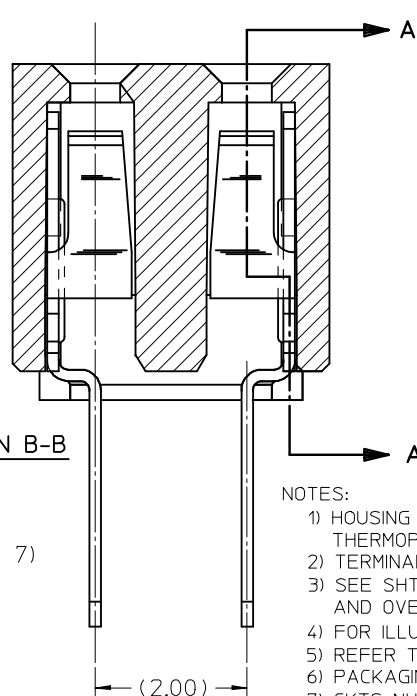
|                                         |                |
|-----------------------------------------|----------------|
| Max. Cycles at Max. Process Temperature | 1              |
| Process Temperature max. C              | 260            |
| <b>Material Info</b>                    |                |
| <b>Reference - Drawing Numbers</b>      |                |
| Product Specification                   | PS-79107       |
| Sales Drawing                           | SDA-79107-**** |

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SECTION B-B



NOTES:

- 1) HOUSING MATERIAL: GLASS FILLED HIGH TEMP THERMOPLASTIC, COLOR: BLACK
- 2) TERMINAL MATERIAL: PHOSPHOR BRONZE
- 3) SEE SHT 2 FOR CKT SIZE, PART NUMBERS AND OVERALL DIMENSIONS, SEE SHT 3 FOR VOIDS.
- 4) FOR ILLUSTRATION, 6 CKT ASSY SHOWN.
- 5) REFER TO PRODUCT SPEC PS-79107
- 6) PACKAGING PER PK-70873-0180
- 7) CKTS NUMBERED FROM LEFT TO RIGHT WHEN PART IS VIEWED FROM TOP WITH RECESS ON THE RIGHT AS SHOWN.
- 8) SOLDER TAIL TO BE MEASURED BY PITCH GAUGE.

PLATING OPTION:

- 4) - 30u"/0.76um MIN GOLD PLATE IN SELECTED AREA  
75u"/1.90um MIN TIN PLATE IN SELECTED AREA  
BOTH OVER 50u"/1.25um MIN NICKEL OVERALL
- 5) - 15u"/0.38um MIN GOLD PLATE IN SELECTED AREA  
75u"/1.90um MIN TIN PLATE IN SELECTED AREA  
BOTH OVER 50u"/1.25um MIN NICKEL OVERALL
- 6) - 2u"/0.05um MIN GOLD PLATE IN SELECTED AREA  
40u"/1.02um MIN TIN PLATE IN SELECTED AREA  
BOTH OVER 40u"/1.02um MIN NICKEL OVERALL

|                                                                                                                                                     |                                      |                        |                                                            |        |                            |                                                                                                                                  |                    |                                                                                  |                           |                     |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------|------------------------------------------------------------|--------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------|---------------------------|---------------------|--|--|
| PDRS#1861, ADD 79107/5104,<br>5105, 5106, 5107<br>EC NO: S2009-0107<br>DRWNATSEE 2008/09/03<br>CHKD:SKANG 2008/09/15<br>APPR:MLONG 2008/09/15<br>H1 | QUALITY<br>SYMBOLS<br><br>▽=0<br>◻=0 | DESCRIPTION<br><br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                           | THIRD ANGLE<br>PROJECTION |                     |  |  |
|                                                                                                                                                     |                                      |                        |                                                            | mm     | INCH                       | DRAWN BY<br>AAB                                                                                                                  | DATE<br>1989/05/15 | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE T/H<br><br>MOLEX MOLEX INCORPORATED |                           |                     |  |  |
|                                                                                                                                                     |                                      |                        | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>MJM                                                                                                                | DATE<br>1989/05/15 |                                                                                  |                           |                     |  |  |
|                                                                                                                                                     |                                      |                        | 3 PLACES                                                   | ± ---  | ± ---                      | APPROVED BY<br>WAZ                                                                                                               | DATE<br>1989/05/15 |                                                                                  |                           |                     |  |  |
|                                                                                                                                                     |                                      |                        | 2 PLACES                                                   | ± 0.25 | ± ---                      | MATERIAL NO.<br>SEE TABLE                                                                                                        |                    | DOCUMENT NO.<br>SDA-79107-****                                                   |                           | SHEET NO.<br>1 OF 3 |  |  |
|                                                                                                                                                     |                                      |                        | 1 PLACE                                                    | ± 0.38 | ± ---                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                                  |                           |                     |  |  |
|                                                                                                                                                     |                                      |                        | ANGULAR ±1/2°                                              |        |                            |                                                                                                                                  |                    |                                                                                  |                           |                     |  |  |
|                                                                                                                                                     |                                      |                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                            |                                                                                                                                  |                    |                                                                                  |                           |                     |  |  |

|             |         |         |                               |            |  |                  |   |            |                  |            |  |                               |   |            |                  |   |  |                  |  |  |
|-------------|---------|---------|-------------------------------|------------|--|------------------|---|------------|------------------|------------|--|-------------------------------|---|------------|------------------|---|--|------------------|--|--|
| 10          |         | 9       |                               | 8          |  | 7                |   | 6          |                  | 5          |  | 4                             |   | 3          |                  | 2 |  | 1                |  |  |
|             |         |         |                               |            |  |                  |   |            |                  |            |  |                               |   |            |                  |   |  |                  |  |  |
|             |         |         | P.C.TAIL DIMENSION 'C' = 3.00 |            |  |                  |   |            |                  |            |  | P.C.TAIL DIMENSION 'C' = 1.91 |   |            |                  |   |  |                  |  |  |
| CKT<br>SIZE | DIM 'A' | DIM 'B' | PLATING OPTION 5              |            |  | PLATING OPTION 4 |   |            | PLATING OPTION 6 |            |  | PLATING OPTION 5              |   |            | PLATING OPTION 4 |   |  | PLATING OPTION 6 |  |  |
|             |         |         | ITEM NO.                      |            |  | ITEM NO.         |   |            | ITEM NO.         |            |  | ITEM NO.                      |   |            | ITEM NO.         |   |  | ITEM NO.         |  |  |
| 04          | (4.19)  | (2.00)  |                               | 79107-7001 |  | 79107-7051       | X | 79107-7126 |                  | 79107-7201 |  | 79107-7251                    | X | 79107-7326 |                  |   |  |                  |  |  |
| 06          | (6.19)  | (4.00)  |                               | 79107-7002 |  | 79107-7052       | X | 79107-7127 |                  | 79107-7202 |  | 79107-7252                    | X | 79107-7327 |                  |   |  |                  |  |  |
| 08          | (8.19)  | (6.00)  |                               | 79107-7003 |  | 79107-7053       | X | 79107-7128 |                  | 79107-7203 |  | 79107-7253                    | X | 79107-7328 |                  |   |  |                  |  |  |
| 10          | (10.19) | (8.00)  |                               | 79107-7004 |  | 79107-7054       | X | 79107-7129 |                  | 79107-7204 |  | 79107-7254                    | X | 79107-7329 |                  |   |  |                  |  |  |
| 12          | (12.19) | (10.00) |                               | 79107-7005 |  | 79107-7055       |   | 79107-7130 |                  | 79107-7205 |  | 79107-7255                    |   | 79107-7330 |                  |   |  |                  |  |  |
| 14          | (14.19) | (12.00) |                               | 79107-7006 |  | 79107-7056       | X | 79107-7131 |                  | 79107-7206 |  | 79107-7256                    | X | 79107-7331 |                  |   |  |                  |  |  |
| 16          | (16.19) | (14.00) |                               | 79107-7007 |  | 79107-7057       | X | 79107-7132 |                  | 79107-7207 |  | 79107-7257                    | X | 79107-7332 |                  |   |  |                  |  |  |
| 18          | (18.19) | (16.00) |                               | 79107-7008 |  | 79107-7058       | X | 79107-7133 |                  | 79107-7208 |  | 79107-7258                    | X | 79107-7333 |                  |   |  |                  |  |  |
| 20          | (20.19) | (18.00) |                               | 79107-7009 |  | 79107-7059       | X | 79107-7134 |                  | 79107-7209 |  | 79107-7259                    | X | 79107-7334 |                  |   |  |                  |  |  |
| 22          | (22.19) | (20.00) |                               | 79107-7010 |  | 79107-7060       | X | 79107-7135 |                  | 79107-7210 |  | 79107-7260                    | X | 79107-7335 |                  |   |  |                  |  |  |
| 24          | (24.19) | (22.00) |                               | 79107-7011 |  | 79107-7061       | X | 79107-7136 |                  | 79107-7211 |  | 79107-7261                    | X | 79107-7336 |                  |   |  |                  |  |  |
| 26          | (26.19) | (24.00) |                               | 79107-7012 |  | 79107-7062       | X | 79107-7137 |                  | 79107-7212 |  | 79107-7262                    | X | 79107-7337 |                  |   |  |                  |  |  |
| 28          | (28.19) | (26.00) |                               | 79107-7013 |  | 79107-7063       | X | 79107-7138 |                  | 79107-7213 |  | 79107-7263                    | X | 79107-7338 |                  |   |  |                  |  |  |
| 30          | (30.19) | (28.00) |                               | 79107-7014 |  | 79107-7064       | X | 79107-7139 |                  | 79107-7214 |  | 79107-7264                    | X | 79107-7339 |                  |   |  |                  |  |  |
| 32          | (32.19) | (30.00) |                               | 79107-7015 |  | 79107-7065       | X | 79107-7140 |                  | 79107-7215 |  | 79107-7265                    | X | 79107-7340 |                  |   |  |                  |  |  |
| 34          | (34.19) | (32.00) |                               | 79107-7016 |  | 79107-7066       | X | 79107-7141 |                  | 79107-7216 |  | 79107-7266                    | X | 79107-7341 |                  |   |  |                  |  |  |
| 36          | (36.19) | (34.00) |                               | 79107-7017 |  | 79107-7067       | X | 79107-7142 |                  | 79107-7217 |  | 79107-7267                    | X | 79107-7342 |                  |   |  |                  |  |  |
| 38          | (38.19) | (36.00) |                               | 79107-7018 |  | 79107-7068       | X | 79107-7143 |                  | 79107-7218 |  | 79107-7268                    | X | 79107-7343 |                  |   |  |                  |  |  |
| 40          | (40.19) | (38.00) |                               | 79107-7019 |  | 79107-7069       | X | 79107-7144 |                  | 79107-7219 |  | 79107-7269                    | X | 79107-7344 |                  |   |  |                  |  |  |
| 42          | (42.19) | (40.00) |                               | 79107-7020 |  | 79107-7070       | X | 79107-7145 |                  | 79107-7220 |  | 79107-7270                    | X | 79107-7345 |                  |   |  |                  |  |  |
| 44          | (44.19) | (42.00) |                               | 79107-7021 |  | 79107-7071       | X | 79107-7146 |                  | 79107-7221 |  | 79107-7271                    | X | 79107-7346 |                  |   |  |                  |  |  |
| 46          | (46.19) | (44.00) |                               | 79107-7022 |  | 79107-7072       | X | 79107-7147 |                  | 79107-7222 |  | 79107-7272                    | X | 79107-7347 |                  |   |  |                  |  |  |
| 48          | (48.19) | (46.00) |                               | 79107-7023 |  | 79107-7073       | X | 79107-7148 |                  | 79107-7223 |  | 79107-7273                    | X | 79107-7348 |                  |   |  |                  |  |  |
| 50          | (50.19) | (48.00) |                               | 79107-7024 |  | 79107-7074       | X | 79107-7149 |                  | 79107-7224 |  | 79107-7274                    | X | 79107-7349 |                  |   |  |                  |  |  |

"X" - DENOTES THE ITEM IS NOT AVAILABLE CURRENTLY.

|                                                                                                                                                        |                                   |             |                                                            |               |                 |              |                                                                                                                                  |                          |                        |        |  |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|------------------------------------------------------------|---------------|-----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|--------|--|------|
| PDR#1861 ADD 7907504.<br>5105 5106 5107<br>EC NO: S2009-0107<br>2008/09/03<br>2008/09/15<br>2008/09/15<br>DRWD:ATSEE<br>CHKD:SKANG<br>APPR:MLONG<br>H1 | QUALITY SYMBOLS<br><br>▼=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |               | DIMENSION STYLE |              | SCALE                                                                                                                            | DESIGN UNITS             | THIRD ANGLE PROJECTION |        |  |      |
|                                                                                                                                                        |                                   |             |                                                            |               | MM ONLY         |              | NTS                                                                                                                              | METRIC                   |                        |        |  |      |
|                                                                                                                                                        |                                   |             | mm                                                         | INCH          | DRAWN BY        | DATE         | TITLE<br><br>2MM DUAL ROW<br>VERTICAL RECEPTACLE T/H                                                                             |                          |                        |        |  |      |
|                                                                                                                                                        |                                   |             | 4 PLACES ± --- ± ---                                       | AAB           | 1989/05/15      | CHECKED BY   |                                                                                                                                  |                          |                        |        |  | DATE |
|                                                                                                                                                        |                                   |             | 3 PLACES ± --- ± ---                                       | MJM           | 1989/05/15      | APPROVED BY  | DATE                                                                                                                             | MOLEX MOLEX INCORPORATED |                        |        |  |      |
|                                                                                                                                                        |                                   |             | 2 PLACES ± 0.25 ± ---                                      | WAZ           | 1989/05/15      | MATERIAL NO. | DOCUMENT NO.                                                                                                                     |                          |                        |        |  |      |
|                                                                                                                                                        |                                   |             | 1 PLACE ± 0.38 ± ---                                       | ANGULAR ±1/2° |                 | SEE TABLE    |                                                                                                                                  | SDA-79107-****           |                        | 2 OF 3 |  |      |
|                                                                                                                                                        |                                   |             | 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 |                          |                        |        |  |      |

F

MOLDED VOID OPTION

ASSEMBLIES WITHOUT PEGS

E

| CKT.<br>SIZE | ASSEMBLY   | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING<br>OPTION | DIM. "A" | DIM. "B" | P.C. TAIL<br>DIM. "C" |
|--------------|------------|------------------------------------------------|-------------|-------------------|----------|----------|-----------------------|
|              | ITEM NO.   | ROW                                            | CKT. NO.(s) |                   |          |          |                       |
| 24           | 79107-5101 | ROW B                                          | 6           | 5                 | (24.19)  | (22.00)  | (3.00)                |
| 10           | 79107-5102 | ROW A                                          | 5           | 5                 | (10.19)  | (8.00)   | (3.00)                |
| 26           | 79107-5103 | ROW B                                          | 5           | 5                 | (26.19)  | (24.00)  | (3.00)                |
| 20           | 79107-5104 | ROW A                                          | 7           | 5                 | (20.19)  | (18.00)  | (1.91)                |
| 24           | 79107-5105 | ROW B                                          | 10          | 5                 | (24.19)  | (22.00)  | (1.91)                |
| 20           | 79107-5106 | ROW A                                          | 7           | 5                 | (20.19)  | (18.00)  | (3.00)                |
| 24           | 79107-5107 | ROW B                                          | 10          | 5                 | (24.19)  | (22.00)  | (3.00)                |

D

C

"X" - DENOTES THE ITEM IS NOT AVAILABLE CURRENTLY.

B

- NOTES
1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS HOWEVER, PIN WINDOWS WILL BE CLOSED.
2. VOIDS CANNOT BE PRESENT IN BOTH ROWS ON A CONNECTOR.

A

|                                                                                                                                                      |                    |                                          |               |                            |                                                                                                                                  |                    |                        |                                         |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------|---------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|-----------------------------------------|--|
| <div>PDRS#1861, ADD 791075104,<br/>5105, 5106, 5107<br/>EC NO: S2009-0107<br/>DRAWN BY CHYD:SKANG<br/>2008/09/15<br/>APPR:MLONG<br/>2008/09/15</div> | QUALITY<br>SYMBOLS | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |               | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>NTS       | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION               |  |
|                                                                                                                                                      |                    | <div>▽=0<br/>◻=0</div>                   |               | mm                         | INCH                                                                                                                             | DRAWN BY<br>AAB    | DATE<br>1989/05/15     | 2MM DUAL ROW<br>VERTICAL RECEPTACLE T/H |  |
|                                                                                                                                                      |                    |                                          | 4 PLACES      | ± ---                      | ± ---                                                                                                                            | CHECKED BY<br>MJM  | DATE<br>1989/05/15     |                                         |  |
|                                                                                                                                                      |                    |                                          | 3 PLACES      | ± ---                      | ± ---                                                                                                                            | APPROVED BY<br>WAZ | DATE<br>1989/05/15     |                                         |  |
| H1                                                                                                                                                   | DESCRIPTION        |                                          | 2 PLACES      | ± 0.25                     | ± ---                                                                                                                            | MATERIAL NO.       |                        | MOLEX INCORPORATED                      |  |
|                                                                                                                                                      |                    |                                          | 1 PLACE       | ± 0.38                     | ± ---                                                                                                                            | SEE TABLE          |                        | SDA-79107-****                          |  |
|                                                                                                                                                      |                    |                                          | ANGULAR ±1/2° |                            | DOCUMENT NO.                                                                                                                     |                    | SHEET 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 |                    |                        |                                         |  |