

## Excellent Integrated System Limited

Stocking Distributor

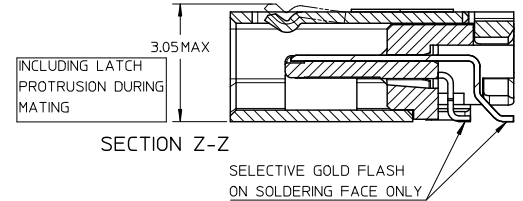
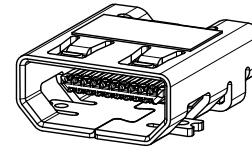
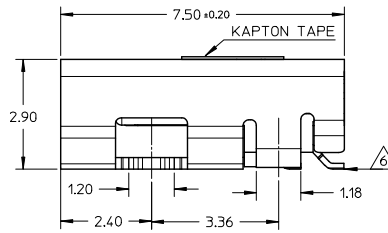
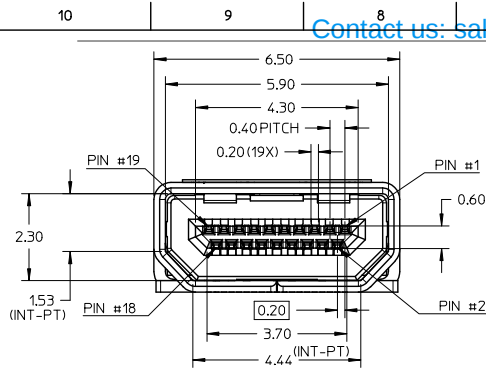
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0467651301](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



**NOTES:**

**1. MATERIALS:**

HOUSING: LCP, 30% GLASS FILLED, UL94V-0

TERMINALS: COPPER ALLOY

SHIELD: STAINLESS STEEL

**2. FINISHES:**

TERMINALS: GOLD ON CONTACT AREA (Refer Table).

0.05UM MIN GOLD FLASH ON SOLDER TAILS.

AND 2.0UM MIN NICKEL UNDERPLATE OVERALL

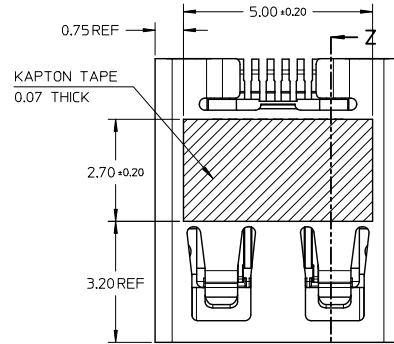
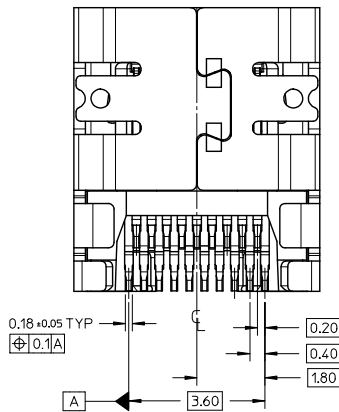
SHIELD: MATTE TIN (Refer Table) OVER 1.27UM MIN NICKEL

**3. PRODUCT SPECIFICATION: PS-46765-003**

**4. PACKAGING SPECIFICATION: PACKED IN TAPE & REEL**

**5. SEE SHEET 4 OF 5 FOR RECOMMENDED PCB LAYOUT**

△ TERMINAL SOLDER-TAIL COPLANARITY 0.08 MAX



| DESCRIPTION                    | Contact: 0.76µM Gold Min<br>Shield: 3.8µM Tin Min<br>PART NUMBER | Contact: 0.38µM Gold Min<br>Shield: 2.0µM Tin Min<br>PART NUMBER |
|--------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| SMT TYPE+KAPTON TAPE           | 46765-0001                                                       | 46765-0301                                                       |
| SMT TYPE+BLACK HSG+KAPTON TAPE | --                                                               | 46765-0302                                                       |
| SMT TYPE                       | 46765-0011                                                       | 46765-0311                                                       |
| SMT TYPE+BLACK HSG             | --                                                               | 46765-0312                                                       |

RELEASED  
EC NO: S2013-0441  
DRAWN: WANG25 2013/07/10  
CHKD: JESSIECHUA 2013/07/10  
APPR: SHONG 2013/07/17  
REV

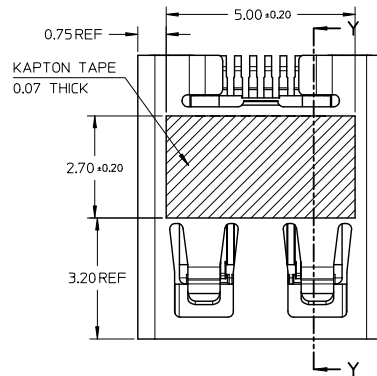
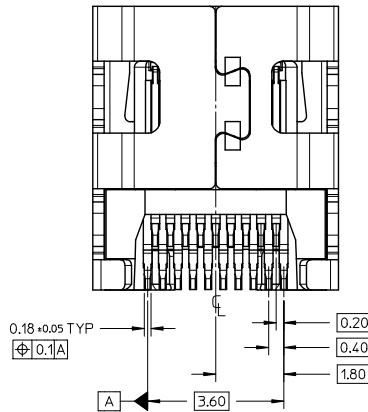
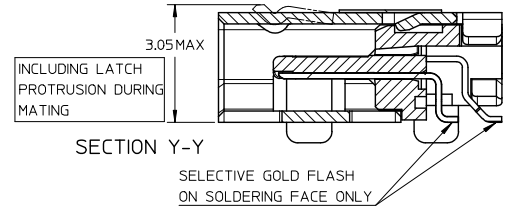
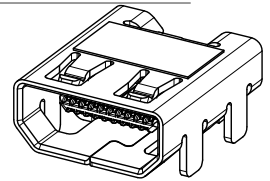
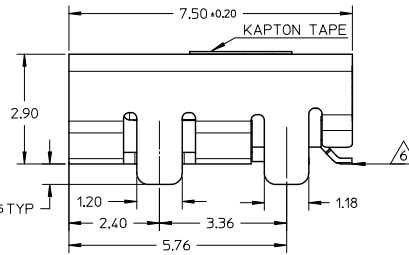
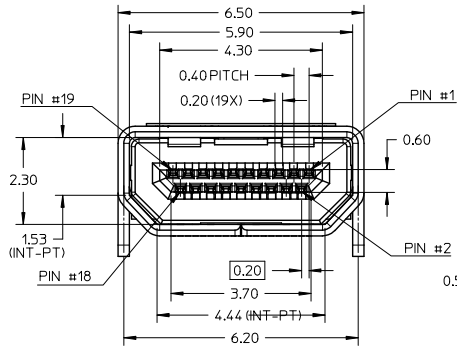
QUALITY SYMBOLS  
▽=0  
▽=0

| GENERAL TOLERANCES (UNLESS SPECIFIED)                   |       |       |
|---------------------------------------------------------|-------|-------|
|                                                         | mm    | INCH  |
| 4 PLACES                                                | ± --- | ± --- |
| 3 PLACES                                                | ± --- | ± --- |
| 2 PLACES                                                | ± 0.1 | ± --- |
| 1 PLACE                                                 | ± --- | ± --- |
| ANGULAR                                                 | ± 2 ° |       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |       |       |

| DIMENSION STYLE<br>MM ONLY |              |
|----------------------------|--------------|
| DRAWN BY                   | DATE         |
| MKAMARAU                   | 2008/10/14   |
| CHECKED BY                 | DATE         |
| MKAMARAU                   | 2008/10/14   |
| APPROVED BY                | DATE         |
| NAGESHKN                   | 2010/11/19   |
| MATERIAL NO.               | DOCUMENT NO. |
| SEE TABLE                  | SD-46765-001 |

| SCALE<br>NTS                                                              | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
|---------------------------------------------------------------------------|------------------------|---------------------------|
|                                                                           |                        |                           |
| TITLE<br>MICRO HDMI, TYPE-D<br>0.4MM PITCH, 19CKT<br>RECEPTACLE CONNECTOR |                        |                           |
| MOLEX INCORPORATED                                                        |                        |                           |
| SHEET NO.<br>1 OF 5                                                       |                        |                           |

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NOTES:

1. MATERIALS:

HOUSING: LCP, 30% GLASS FILLED, UL94V-0

TERMINALS: COPPER ALLOY

SHIELD: STAINLESS STEEL

2. FINISHES:

TERMINALS: GOLD ON CONTACT AREA (Refer Table),

0.05UM MIN GOLD FLASH ON SOLDER TAILS,

AND 2.0UM MIN NICKEL UNDERPLATE OVERALL

SHIELD: MATTE TIN (Refer Table) OVER 1.27UM MIN NICKEL

3. PRODUCT SPECIFICATION: PS-46765-003

4. PACKAGING SPECIFICATION: PACKED IN TAPE & REEL

5. SEE SHEET 4 OF 5 FOR RECOMMENDED PCB LAYOUT

△ TERMINAL SOLDER-TAIL COPLANARITY 0.08 MAX

| DESCRIPTION                          | Contact: 0.76µM Gold Min<br>Shield: 3.8µM Tin Min<br>PART NUMBER | Contact: 0.38µM Gold Min<br>Shield: 2.0µM Tin Min<br>PART NUMBER |
|--------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| THRU HOLE TYPE+KAPTON TAPE           | 46765-1001                                                       | 46765-1301                                                       |
| THRU HOLE TYPE+BLACK HSG+KAPTON TAPE | --                                                               | 46765-1302                                                       |
| THRU HOLE TYPE                       | 46765-1011                                                       | 46765-1311                                                       |
| THRU HOLE TYPE+BLACK HSG             | --                                                               | 46765-1312                                                       |

| RELEASED | EC NO: S2013-0441 | 2013/01/10      | 2013/01/10 | 2013/01/10 |
|----------|-------------------|-----------------|------------|------------|
| D1       | DRW:WANG25        | CHKD:JESSIECHUA | APPR:SHONG | REV        |

| QUALITY SYMBOLS |
|-----------------|
| ▽=0             |
| ▽=0             |

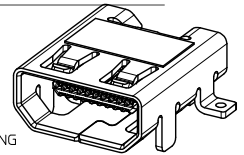
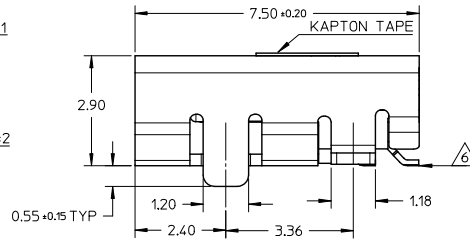
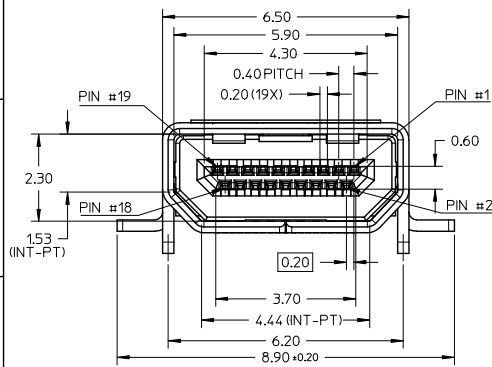
| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       |       |
|------------------------------------------------------------|-------|-------|
|                                                            | mm    | INCH  |
| 4 PLACES                                                   | ± --- | ± --- |
| 3 PLACES                                                   | ± --- | ± --- |
| 2 PLACES                                                   | ± 0.1 | ± --- |
| 1 PLACE                                                    | ± --- | ± --- |
| ANGULAR ± 2 °                                              |       |       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |       |

| DIMENSION STYLE |      |
|-----------------|------|
| MM ONLY         |      |
| DRAWN BY        | DATE |
| CHKD BY         | DATE |
| APPROVED BY     | DATE |
| MATERIAL NO.    |      |

| SCALE | DESIGN UNITS |
|-------|--------------|
| NTS   | METRIC       |

| THIRD ANGLE PROJECTION                                           |           |
|------------------------------------------------------------------|-----------|
| MICRO HDMI, TYPE-D<br>0.4MM PITCH, 19CKT<br>RECEPTACLE CONNECTOR |           |
| MOLEX INCORPORATED                                               |           |
| DOCUMENT NO.                                                     | SHEET NO. |
| SD-46765-001                                                     | 2 OF 5    |

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MICRO HDMI  
HYBRID TYPE MOUNTING

INCLUDING LATCH  
PROTRUSION DURING  
MATING

SECTION X-X

SELECTIVE GOLD FLASH  
ON SOLDERING FACE ONLY

NOTES:

1. MATERIALS:

HOUSING: LCP, 30% GLASS FILLED, UL94V-0  
TERMINALS: COPPER ALLOY  
SHIELD: STAINLESS STEEL

2. FINISHES:

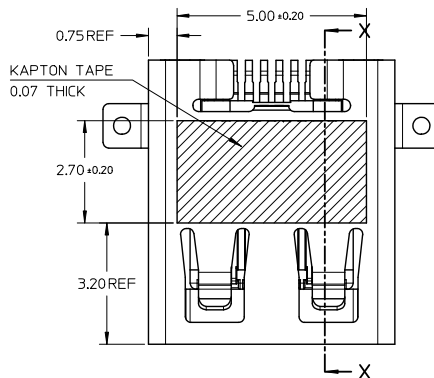
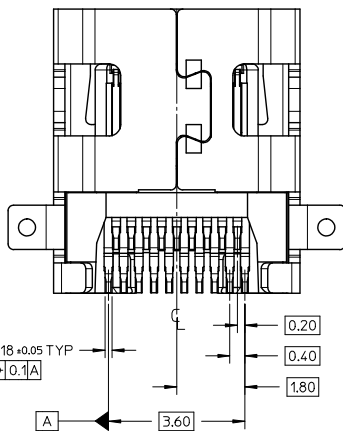
TERMINALS: GOLD ON CONTACT AREA (Refer Table),  
0.05UM MIN GOLD FLASH ON SOLDER TAILS,  
AND 2.0UM MIN NICKEL UNDERPLATE OVERALL  
SHIELD: MATTE TIN (Refer Table) OVER 1.27UM MIN NICKEL

3. PRODUCT SPECIFICATION: PS-46765-003

4. PACKAGING SPECIFICATION: PACKED IN TAPE & REEL

5. SEE SHEET 4 OF 5 FOR RECOMMENDED PCB LAYOUT

6. TERMINAL SOLDER-TAIL COPLANARITY 0.08 MAX



| DESCRIPTION                           | Contact: 0.76MM Gold Min<br>Shield: 3.8MM Tin Min<br>PART NUMBER | Contact: 0.38MM Gold Min<br>Shield: 2.0MM Tin Min<br>PART NUMBER |
|---------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| HYBRID TYPE-KAPTON TAPE               | 46765-2001                                                       | 46765-2301                                                       |
| HYBRID TYPE-BLACK HOUSING-KAPTON TAPE | 46765-2021                                                       | 46765-2302                                                       |
| HYBRID TYPE                           | 46765-2011                                                       | 46765-2311                                                       |
| HYBRID TYPE-BLACK HSG                 | --                                                               | 46765-2312                                                       |

| RELEASED | EC NO: S2013-0441 | 2013/01/10 |
|----------|-------------------|------------|
| D1       | CHKD: JESSIE CHUA | 2013/01/10 |
|          | APPR: SHONG       | 2013/01/17 |

| QUALITY SYMBOLS |
|-----------------|
| ▽=0             |
| ▽=0             |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |       |
|------------------------------------------------------------|-------|-------|
|                                                            | mm    | INCH  |
| 4 PLACES                                                   | ± --- | ± --- |
| 3 PLACES                                                   | ± --- | ± --- |
| 2 PLACES                                                   | ± 0.1 | ± --- |
| 1 PLACE                                                    | ± --- | ± --- |
| ANGULAR ± 2 °                                              |       |       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |       |

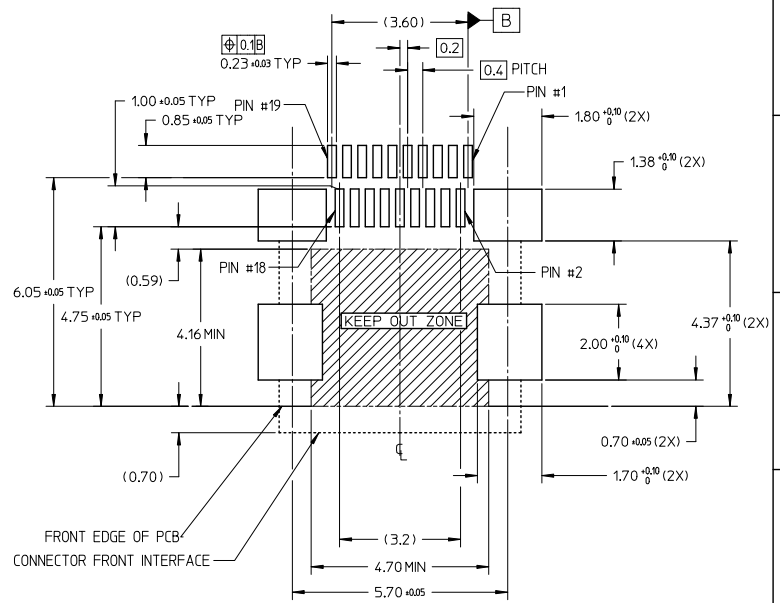
| DIMENSION STYLE         | SCALE              | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-------------------------|--------------------|--------------|------------------------|
| MM ONLY                 | NTS                | METRIC       |                        |
| DRAWN BY<br>MKAMARAU    | DATE<br>2008/10/14 |              |                        |
| CHECKED BY<br>MKAMARAU  | DATE<br>2008/10/14 |              |                        |
| APPROVED BY<br>NAGESHKN | DATE<br>2010/11/19 |              |                        |
| MATERIAL NO.            | DOCUMENT NO.       |              |                        |
| SEE TABLE               |                    |              |                        |
| SIZE<br>A3              |                    |              |                        |

| TITLE                                                            | SHEET NO. |
|------------------------------------------------------------------|-----------|
| MICRO HDMI, TYPE-D<br>0.4MM PITCH, 19CKT<br>RECEPTACLE CONNECTOR | 3 OF 5    |
| MOLEX INCORPORATED                                               |           |
| SD-46765-001                                                     |           |

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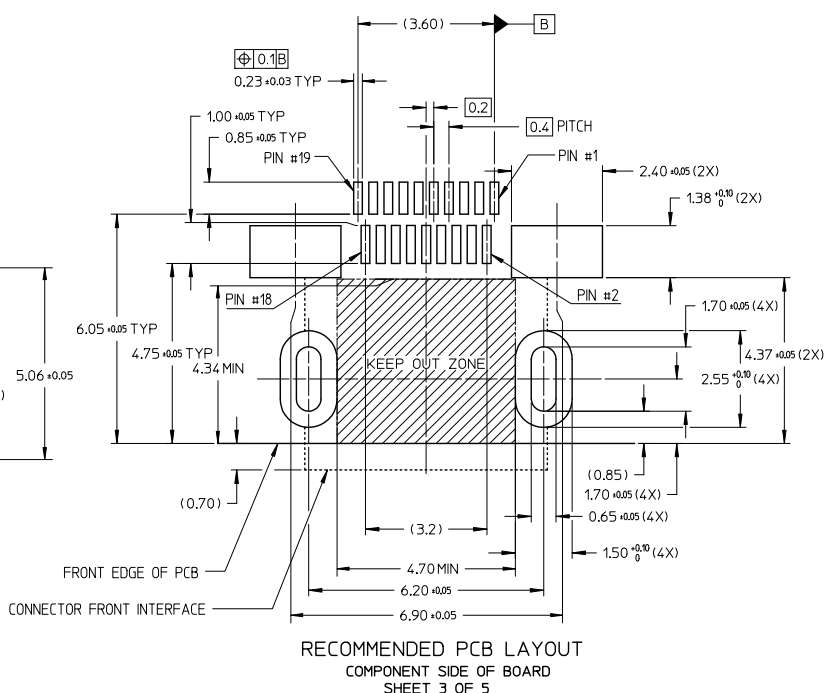
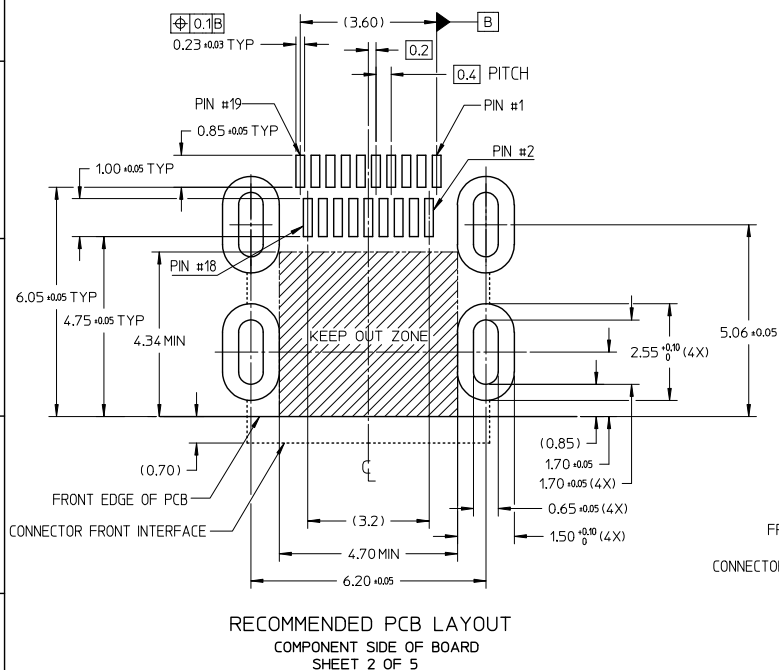
| PIN | SIGNAL ASSIGNMENT  |
|-----|--------------------|
| 1   | Hot Plug Detect    |
| 2   | Utility            |
| 3   | TMDS Data2+        |
| 4   | TMDS Data2- Shield |
| 5   | TMDS Data2-        |
| 6   | TMDS Data1+        |
| 7   | TMDS Data1- Shield |
| 8   | TMDS Data1-        |
| 9   | TMDS Data0+        |
| 10  | TMDS Data0- Shield |
| 11  | TMDS Data0-        |
| 12  | TMDS Clock+        |
| 13  | TMDS Clock- Shield |
| 14  | TMDS Clock-        |
| 15  | CEC                |
| 16  | DDC/CEC Ground     |
| 17  | SCL                |
| 18  | SDA                |
| 19  | +5V Power          |

| CONNECTION  | SIGNALS            |
|-------------|--------------------|
| FIRST MAKE  | TYPE D CONNECTOR   |
| SECOND MAKE | CONNECTOR SHELL    |
| THIRD MAKE  | PINS 1 - 18        |
|             | PIN 19 (+5V POWER) |



|                                                                                          |             |                                   |                                                            |       |                            |                        |                                                                                                                               |                                                                                                          |                                                                                                                 |
|------------------------------------------------------------------------------------------|-------------|-----------------------------------|------------------------------------------------------------|-------|----------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| RELEASED<br>EC NO: S2013-0441<br>DRAWN: CWANG25<br>CHKD: JESSIECHUA<br>APPR: SHONG<br>D1 | 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 |
|                                                                                          |             |                                   |                                                            | mm    | INCH                       | DRAWN BY<br>MKAMARAU   | DATE<br>2008/10/14                                                                                                            | TITLE<br>MICRO HDMI, TYPE-D<br>0.4MM PITCH, 19CKT<br>RECEPTACLE CONNECTOR                                |                                                                                                                 |
|                                                                                          |             |                                   | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY<br>MKAMARAU | DATE<br>2008/10/14                                                                                                            |  MOLEX INCORPORATED |                                                                                                                 |
|                                                                                          |             |                                   | 3 PLACES                                                   | ± --- | ± ---                      |                        |                                                                                                                               |                                                                                                          |                                                                                                                 |
|                                                                                          |             |                                   | 2 PLACES                                                   | ± 0.1 | ± ---                      |                        |                                                                                                                               |                                                                                                          |                                                                                                                 |
|                                                                                          |             |                                   | 1 PLACE                                                    | ± --- | ± ---                      |                        |                                                                                                                               |                                                                                                          |                                                                                                                 |
|                                                                                          |             |                                   | ANGULAR ± 2 °                                              |       | APPROVED BY<br>NAGESHKN    | DATE<br>2010/11/19     |                                                                                                                               |                                                                                                          |                                                                                                                 |
|                                                                                          |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | MATERIAL NO.<br>SEE TABLE  |                        | DOCUMENT NO.<br>SD-46765-001                                                                                                  | SHEET NO.<br>4 OF 5                                                                                      |                                                                                                                 |
|                                                                                          |             |                                   |                                                            |       | SIZE A3                    |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                          |                                                                                                                 |
|                                                                                          |             |                                   |                                                            |       |                            |                        |                                                                                                                               |                                                                                                          |                                                                                                                 |

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|          |                      |            |             |                                                                                        |                                                            |                      |                                                                                                                                         |                                                                           |                                                                                                          |                        |                                                                                                                 |
|----------|----------------------|------------|-------------|----------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| RELEASED | EC NO. : C2023-0-041 | 2023/01/10 | DESCRIPTION | QUALITY SYMBOLS                                                                        | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                      | DIMENSION STYLE<br>MM ONLY                                                                                                              |                                                                           | SCALE<br>NTS                                                                                             | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |
|          | DRWN: SWAG23         | 2023/01/10 |             |  =0 | <div><div>mm</div><div>INCH</div></div>                    | DRAWN BY<br>MKAMARAU | DATE<br>2008/010/14                                                                                                                     | TITLE<br>MICRO HDMI, TYPE-D<br>0.4MM PITCH, 19CKT<br>RECEPTACLE CONNECTOR |  MOLEX INCORPORATED |                        |                                                                                                                 |
|          | CHKD: JESSIECHUA     | 2023/01/10 |             |  =0 | 4 PLACES ± --- ± ---                                       | CHECKED BY           | DATE                                                                                                                                    |                                                                           |                                                                                                          |                        |                                                                                                                 |
|          | APPR: SHONG          | 2023/01/17 |             | 2 PLACES ± 0.1 ± ---                                                                   | MKAMARAU                                                   | 2008/010/14          |                                                                                                                                         |                                                                           |                                                                                                          |                        |                                                                                                                 |
|          |                      |            |             | 1 PLACE ± --- ± ---                                                                    | APPROVED BY                                                | DATE                 |                                                                                                                                         |                                                                           |                                                                                                          |                        |                                                                                                                 |
|          |                      |            |             | ANGULAR ± 2 °                                                                          | NAGESHK N                                                  | 2010/11/19           |                                                                                                                                         |                                                                           |                                                                                                          |                        |                                                                                                                 |
|          |                      |            |             |                                                                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                      | SEE TABLE                                                                                                                               |                                                                           | DOCUMENT NO.                                                                                             | SD-46765-001           |                                                                                                                 |
|          |                      |            |             |                                                                                        |                                                            |                      | SIZE A THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                           |                                                                                                          | SHEET NO.<br>5 OF 5    |                                                                                                                 |