

F

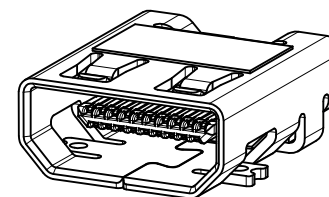
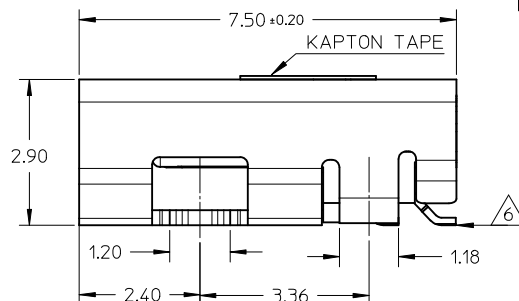
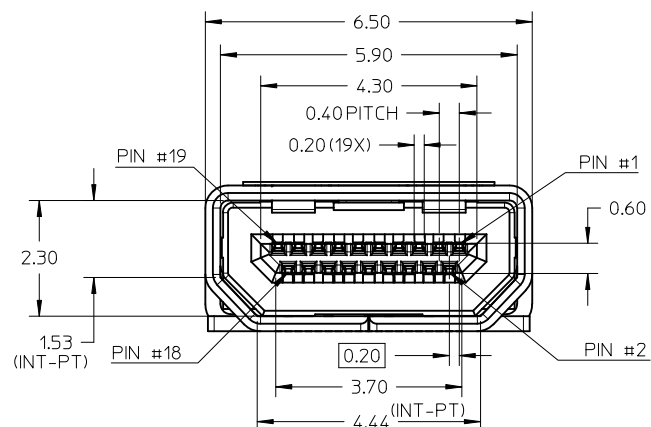
E

D

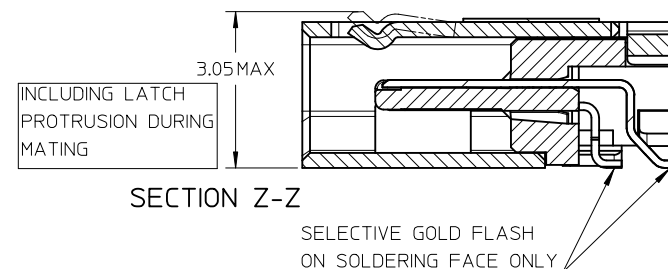
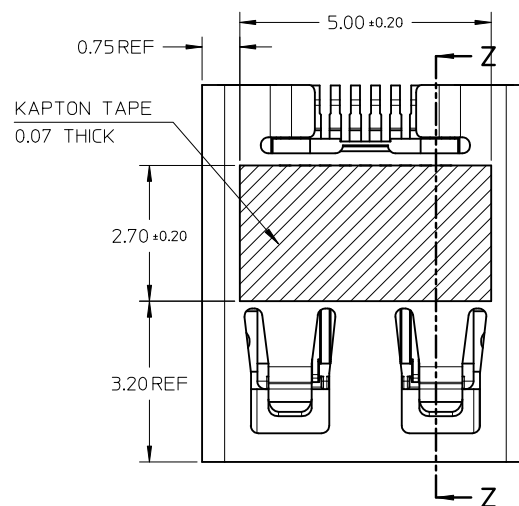
C

B

A



MICRO HDMI-SMT TYPE MOUNTING
ISOMETRIC VIEW



SECTION Z-Z

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:

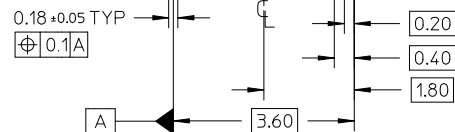
TERMINALS: GOLD ON CONTACT AREA (Refer Table),
0.05UM MIN GOLD FLASH ON SOLDER TAILS,
AND 2.0UM MIN NICKEL UNDERPLATE OVERALL
SHIELD: MATTE TIN (Refer Table) OVER 1.27UM MIN NICKEL

3. PRODUCT SPECIFICATION: PS-46765-001

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: 0.76µM Gold Min Shield: 3.8µM Tin Min PART NUMBER | Contact: 0.38µM Gold Min Shield: 2.0µM Tin Min 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: S2012-0444
DRWN: CWANG25
CHKD: JKH
APPR: NAGESHKN
2011/10/24
2011/12/02
2011/12/02

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
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
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.

SEE TABLE

SCALE
NTS

THIRD ANGLE
PROJECTION

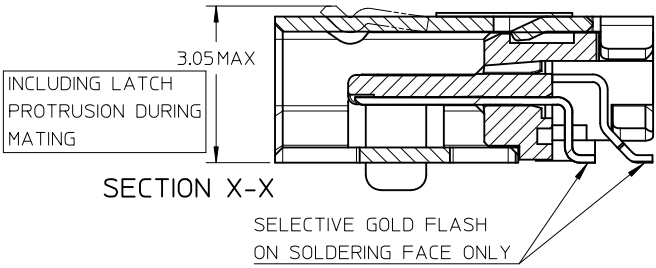
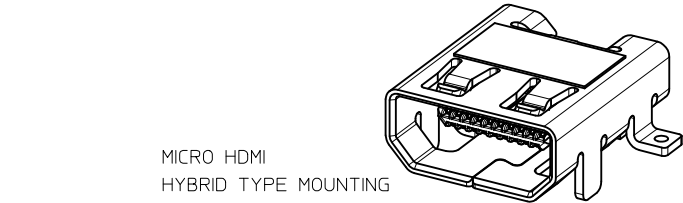
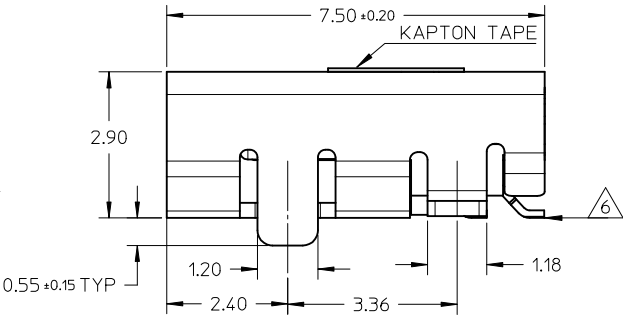
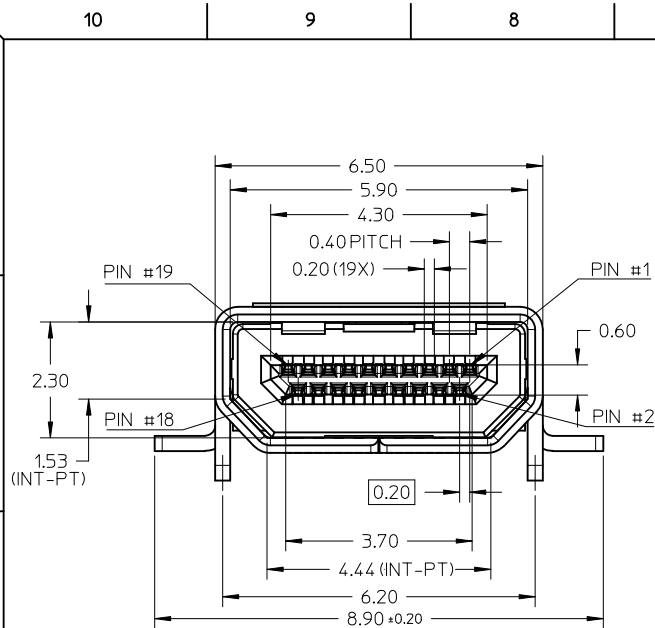
DESIGN UNITS
METRIC

MICRO HDMI, TYPE-D
0.4MM PITCH, 19CKT
RECEPTACLE CONNECTOR

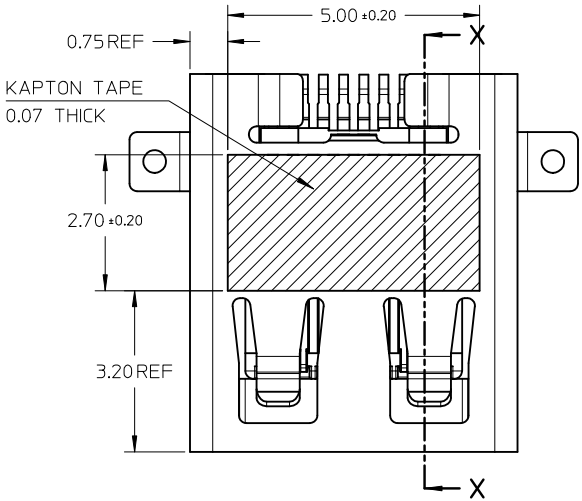
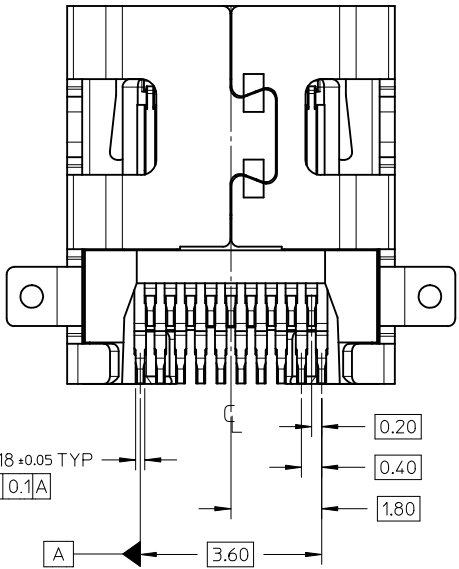
MOLEX INCORPORATED

SD-46765-001

SHEET NO.
1 OF 5



- NOTES:
- MATERIALS:
HOUSING: LCP, 30% GLASS FILLED, UL94V-0
TERMINALS: COPPER ALLOY
SHIELD: STAINLESS STEEL
 - 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
 - PRODUCT SPECIFICATION: PS-46765-001
 - PACKAGING SPECIFICATION: PACKED IN TAPE & REEL
 - SEE SHEET 4 OF 5 FOR RECOMMENDED PCB LAYOUT
 - TERMINAL SOLDER-TAIL COPLANARITY 0.08 MAX

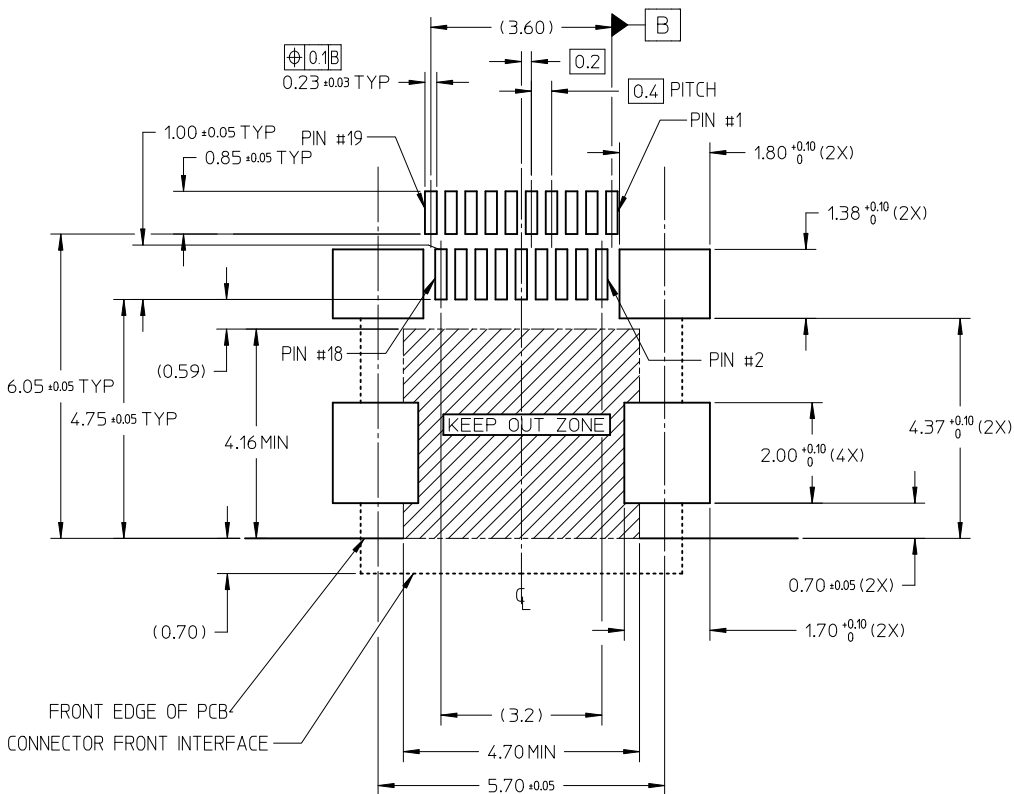


| DESCRIPTION | Contact: 0.76MM Gold Min Shield: 3.8MM Tin Min | Contact: 0.38MM Gold Min Shield: 2.0MM Tin Min |
|---------------------------------------|---|---|
| | PART NUMBER | PART NUMBER |
| | HYBRID TYPE+KAPTON TAPE | 46765-2001 |
| | 46765-2301 | |
| HYBRID TYPE+BLACK HOUSING+KAPTON TAPE | 46765-2021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

| | | | | | | | | |
|---|--------------------------------------|---|--|--|--------------------|---|-------------------------------|------------------------|
| RELEASED EC NO: S2012-0444 DRWN: CWANG25 CHYD-KJH APPR: NAGESHKN 2011/10/24 2011/12/02 2011/12/02 | QUALITY SYMBOLS ▽=0 ◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | | 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± --- ± --- | mm INCH ± --- ± --- ± 0.1 ± --- ± --- ± --- | DRAWN BY MKAMARAU | DATE 2008/10/14 | TITLE MICRO HDMI, TYPE-D 0.4MM PITCH, 19KCT RECEPTACLE CONNECTOR | MOLEX INCORPORATED | SHEET NO. 3 OF 5 |
| | | ANGULAR ± 2 ° | | APPROVED BY NAGESHKN | DATE 2010/11/19 | DOCUMENT NO. SD-46765-001 | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

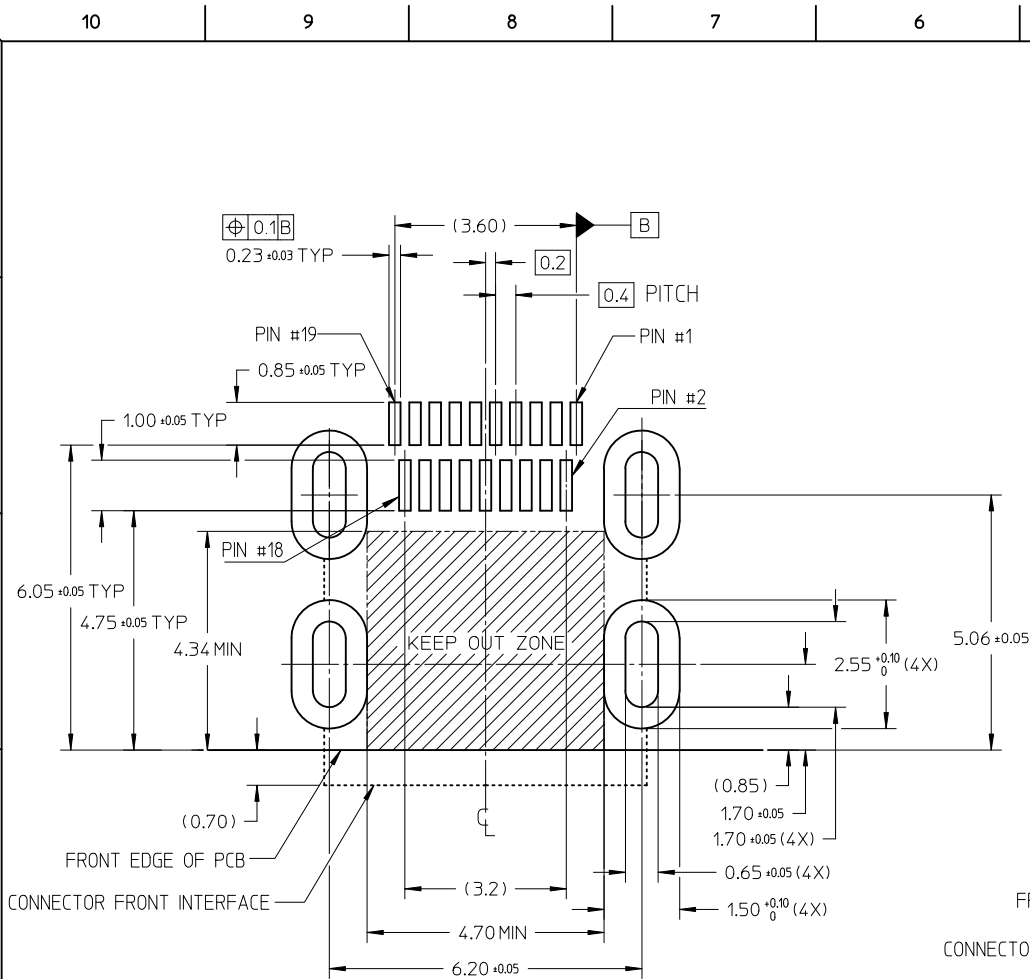
| PIN | SIGNAL ASSIGNMENT |
|-----|-------------------|
| 1 | Hot Plug Detect |
| 2 | Utility |
| 3 | TMDS Data2+ |
| 4 | TMDS Data2 Shield |
| 5 | TMDS Data2- |
| 6 | TMDS Data1+ |
| 7 | TMDS Data1 Shield |
| 8 | TMDS Data1- |
| 9 | TMDS Data0+ |
| 10 | TMDS Data0 Shield |
| 11 | TMDS Data0- |
| 12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

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

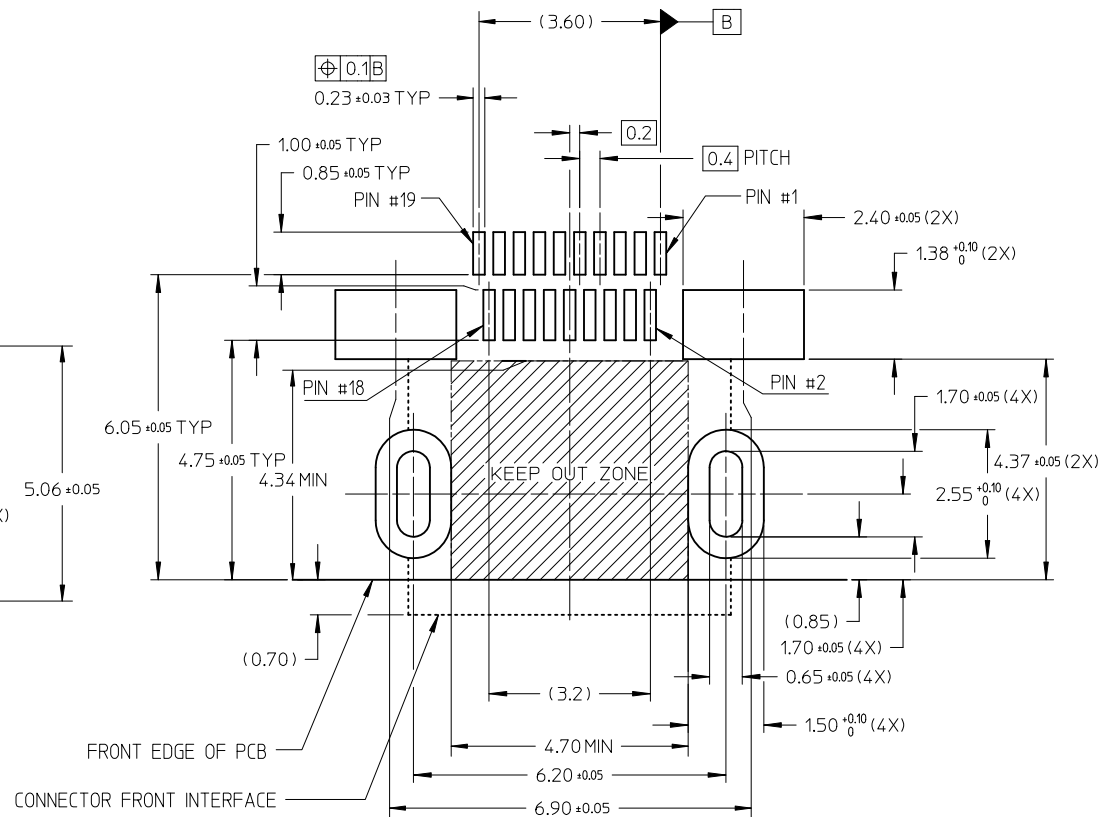


RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD
SHEET 1 OF 5

| | | | | | | | | | |
|---|-------------|--|---|---------|----------------------------|----------------------|--------------------|---|-----------------------------------|
| RELEASED EC NO: S2012-0444 DRWN: CWANG25 CHKD: KJOH APPR: NAGESHK 2011/10/24 2011/12/02 2011/12/02 | DESCRIPTION | QUALITY SYMBOLS <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | <div>THIRD ANGLE PROJECTION</div> |
| | | | | mm | INCH | DRAWN BY MKAMARAU | DATE 2008/10/14 | TITLE MICRO HDMI, TYPE-D 0.4MM PITCH, 19CKT RECEPTACLE CONNECTOR | |
| | | | 4 PLACES | ± --- | ± --- | CHECKED BY | DATE | | |
| | | | 3 PLACES | ± --- | ± --- | MKAMARAU | 2008/10/14 | | |
| | | | 2 PLACES | ± 0.1 | ± --- | APPROVED BY | DATE | | |
| | 1 PLACE | ± --- | ± --- | NAGESHK | 2010/11/19 | <div>MOLEX</div> | MOLEX INCORPORATED | | |
| | | | ANGULAR ± 2 ° | | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | SD-46765-001 | | 4 OF 5 |
| | REV | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |



RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD
SHEET 2 OF 5



RECOMMENDED PCB LAYOUT
COMPONENT SIDE OF BOARD
SHEET 3 OF 5

| | | | | | | | | | | | | |
|---|-------------|-----------------------------------|--|-------|----------------------------|----------------------|--------------------|---|----------------------------|--|--|--|
| RELEASED EC NO: S2012-0444 DRWN: CWANG25 CHKD: KJH APPR: NAGESHKN 2011/10/24 2011/12/02 2011/12/02 | DESCRIPTION | QUALITY SYMBOLS ▽=0 ◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | | |
| | | | | mm | INCH | DRAWN BY MKAMARAU | DATE 2008/10/14 | TITLE MICRO HDMI, TYPE-D 0.4MM PITCH, 19CKT RECEPTACLE CONNECTOR | | | | |
| | | | 4 PLACES | ± --- | ± --- | CHECKED BY | DATE | | | | | |
| | | | 3 PLACES | ± --- | ± --- | MKAMARAU | 2008/10/14 | | | | | |
| | | | 2 PLACES | ± 0.1 | ± --- | APPROVED BY | DATE | | | | | |
| D | REV | | 1 PLACE | ± --- | ± --- | NAGESHKN | 2010/11/19 | molex MOLEX INCORPORATED | | | | |
| | | | ANGULAR ± 2 ° | | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | | | |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | SD-46765-001 | | 5 OF 5 | | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | |