

# NOTES:

## 1) MATERIAL:

HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK  
 INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK  
 TERMINALS: PHOSPHOR BRONZE, .012/(0.30) THICK  
 SHIELD: BRASS, .007/(0.18) THICK

## 2) FINISH:

### TERMINALS:

- A = SELECT GOLD IN CONTACT AREA: 50 MICROINCHES / 1.27 MICROMETERS MIN.,  
 \*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES / 2.54 MICROMETERS MIN.,  
 WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 1.27 MICROMETERS MIN.  
 B = SELECT GOLD IN CONTACT AREA: 30 MICROINCHES / 0.76 MICROMETERS MIN.,  
 \*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES / 2.54 MICROMETERS MIN.,  
 WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 1.27 MICROMETERS MIN.

### SHIELD:

- \*100 MICROINCHES / 2.54 MICROMETERS NICKEL OVER 50 MICROINCHES /  
 1.27 MICROMETERS COPPER UNDERPLATE, PCB GROUND TABS DIPPED IN TIN  
 \*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS  
 DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC".  
 CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD  
 IN THE PC TAILS AND/OR SHIELD.

## 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43249.

## 4) PACKAGING SPECIFICATION:

- UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS  
 PER MOLEX PACKAGING SPECIFICATION PK-43249-004.  
 UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN TUBES  
 PER MOLEX PACKAGING SPECIFICATION PK-43249-005.  
 SHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS  
 PER MOLEX PACKAGING SPECIFICATION PK-44050-004.

## 5) MATES WITH: MODULAR PLUGS THAT CONFORM TO FCC REGULATION PART 68.5.

## 6) SEE SHEET 3 FOR SHIELDED JACK ASSEMBLY.

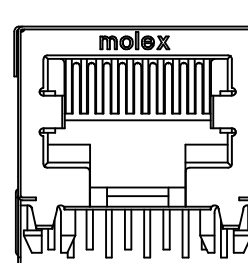
## 7) SEE SHEETS 5 & 6 FOR P.C. BOARD LAYOUTS.

## 8) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

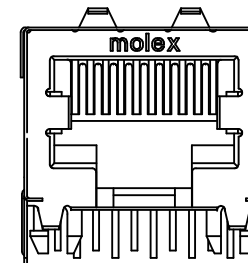
## 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

## 10) THIS PART CONFORMS TO FCC REGULATION 68.5 AND TIA 1096 FOR MODULAR JACKS.

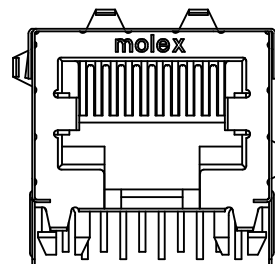
# SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



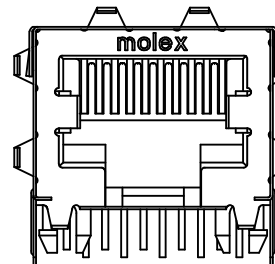
OPTION "A"  
NO TOP OR SIDE TABS



OPTION "B"  
TOP TABS

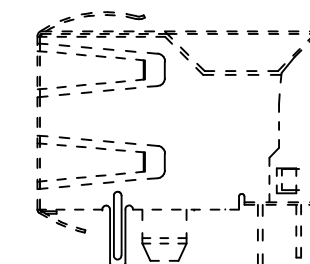


OPTION "C"  
TOP AND STAGGERED SIDE TABS

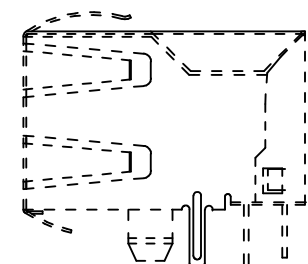


OPTION "D"  
TOP AND SIDE TABS

# BOTTOM PCB GROUND TAB OPTIONS FOR SHIELDS



OPTION "E"  
OPTIONAL FRONT POSITION



OPTION "F"  
OPTIONAL REAR POSITION

NOTE: EITHER PCB GROUND TAB OPTION IS AVAILABLE  
ON ALL SIDE/TOP TAB CONFIGURATIONS

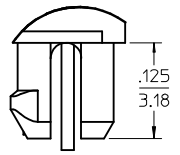
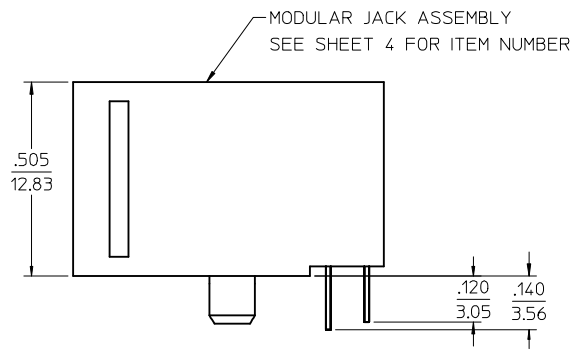
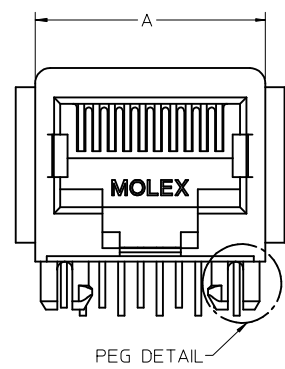
## DRAWING LEGEND

- SHEET 1- NOTES, GROUND TAB OPTIONS  
 SHEET 2- UNSHIELDED MODULAR JACK  
 SHEET 3- SHIELDED MODULAR JACK WITH  
 OPTIONAL SIDE/TOP GROUND TABS & BOTTOM GROUND  
 TAB WITH OPTIONAL POSITION.  
 SHEET 4- PART NUMBER CHARTS  
 SHEET 5- FOOTPRINT LAYOUT FOR 8 POSITION HOUSING  
 SHEET 6- FOOTPRINT LAYOUT FOR 6 POSITION HOUSING

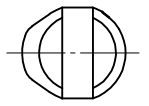
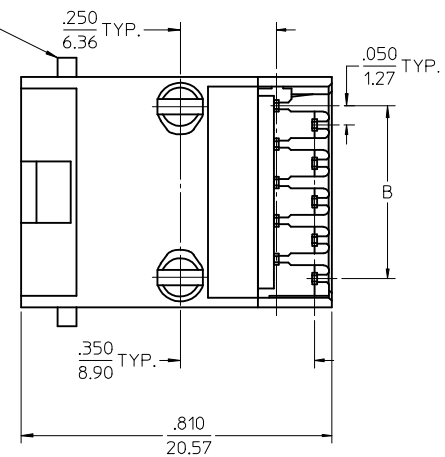
|                                                                                                                           |             |                                       |                                                      |        |                          |                 |                                                                                                                               |                          |                                                                                                              |                                                            |
|---------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|------------------------------------------------------|--------|--------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| ADDED NOTE 10<br>EC NO: UCP2009-0740<br>DRWN: KLOSTERNER 2008/09/29<br>CHKD: JEBELL 2008/10/03<br>APPR: FSMITH 2008/10/03 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br><br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                |        | DIMENSION STYLE<br>IN/MM |                 | SCALE<br>4:1                                                                                                                  | DESIGN UNITS<br>INCH     |  THIRD ANGLE PROJECTION | TITLE<br><br>LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY |
|                                                                                                                           |             |                                       |                                                      | mm     | INCH                     | DRAWN BY<br>JTR | DATE<br>1993/06/23                                                                                                            | MOLEX MOLEX INCORPORATED |                                                                                                              |                                                            |
|                                                                                                                           |             |                                       | 4 PLACES                                             | ± ---  | ± ---                    | CHECKED BY      | DATE                                                                                                                          |                          |                                                                                                              |                                                            |
|                                                                                                                           |             |                                       | 3 PLACES                                             | ± ---  | ± .010                   | JTR             | 1993/06/23                                                                                                                    |                          |                                                                                                              |                                                            |
|                                                                                                                           |             |                                       | 2 PLACES                                             | ± 0.25 | ± ---                    | APPROVED BY     | DATE                                                                                                                          |                          |                                                                                                              |                                                            |
|                                                                                                                           |             |                                       | 1 PLACE                                              | ± ---  | ± ---                    | RAS             | 1993/06/23                                                                                                                    |                          |                                                                                                              |                                                            |
|                                                                                                                           |             |                                       | ANGULAR ±1/2°                                        |        |                          | MATERIAL NO.    |                                                                                                                               | DOCUMENT NO.             |                                                                                                              | SHEET NO.                                                  |
|                                                                                                                           |             |                                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |                          | SEE SHEET 4     |                                                                                                                               | SDA-43249                |                                                                                                              | 1 OF 6                                                     |
| K1                                                                                                                        | REV         |                                       |                                                      |        |                          | SIZE            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                                                                                                              |                                                            |

# UNSHIELDED MODULAR JACK

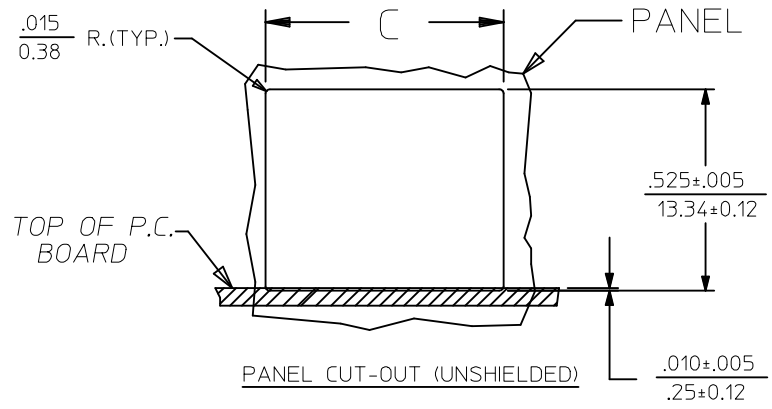
8 POSITION LOADED 10 SIZE SHOWN



OPTIONAL FLANGE  
USED FOR FLUSH  
MODULAR JACK



PEG DETAIL  
SCALE 8:1



| HOUSING SIZE | CIRCUIT SIZE | DIM. A                    | DIM. B                    | DIM. C                    |
|--------------|--------------|---------------------------|---------------------------|---------------------------|
| 8            | 10           | .600±.005<br>(15.24±0.13) | .450±.005<br>(11.43±0.13) | .620±.005<br>(15.75±0.13) |
| 8            | 8            | .600±.005<br>(15.24±0.13) | .350±.005<br>(8.89±0.13)  | .620±.005<br>(15.75±0.13) |
| 8            | 4            | .600±.005<br>(15.24±0.13) | .150±.005<br>(3.81±0.13)  | .620±.005<br>(15.75±0.13) |
| 8            | 6            | .600±.005<br>(15.24±0.13) | .250±.005<br>(6.35±0.13)  | .620±.005<br>(15.75±0.13) |
| 6            | 6            | .520±.005<br>(13.21±0.13) | .250±.005<br>(6.35±0.13)  | .540±.005<br>(13.72±0.13) |
| 6            | 4            | .520±.005<br>(13.21±0.13) | .150±.005<br>(3.81±0.13)  | .540±.005<br>(13.72±0.13) |
| 6            | 2            | .520±.005<br>(13.21±0.13) | .050±.005<br>(1.27±0.13)  | .540±.005<br>(13.72±0.13) |

SEE SHEET 1  
EC NO: UCP2009-0740  
DRWN: JLOSTEME IER 2008/09/29  
CHKD: JBEL 2008/10/03  
APPR: FSMITH 2008/10/03

REV

QUALITY SYMBOLS  
▽=0  
▽=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

|            | mm   | INCH  |
|------------|------|-------|
| 4 PLACES ± | ---  | ---   |
| 3 PLACES ± | ---  | ±.010 |
| 2 PLACES ± | 0.25 | ---   |
| 1 PLACE ±  | ---  | ---   |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
IN/MM

DRAWN BY  
JTR

CHECKED BY  
JTR

APPROVED BY  
RAS

MATERIAL NO.

SIZE  
C

SCALE  
4:1

DESIGN UNITS  
INCH

THIRD ANGLE PROJECTION

TITLE  
LOW PROFILE RIGHT ANGLE  
MODULAR JACK ASSEMBLY

MOLEX INCORPORATED

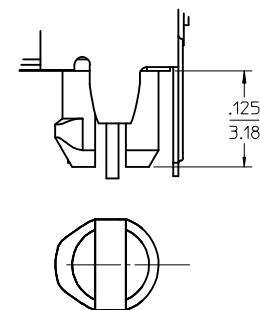
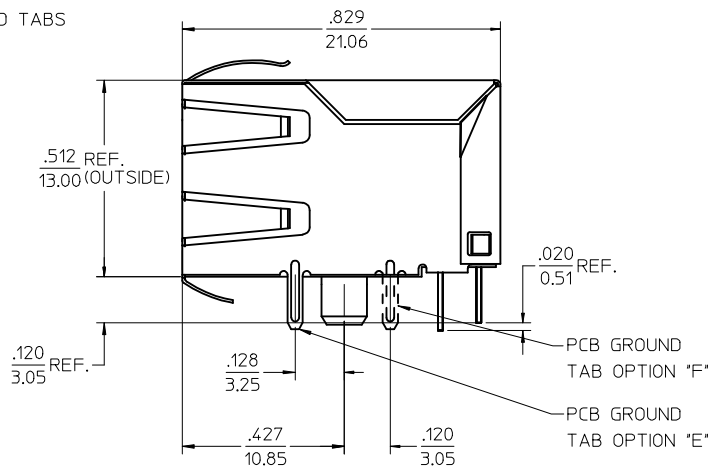
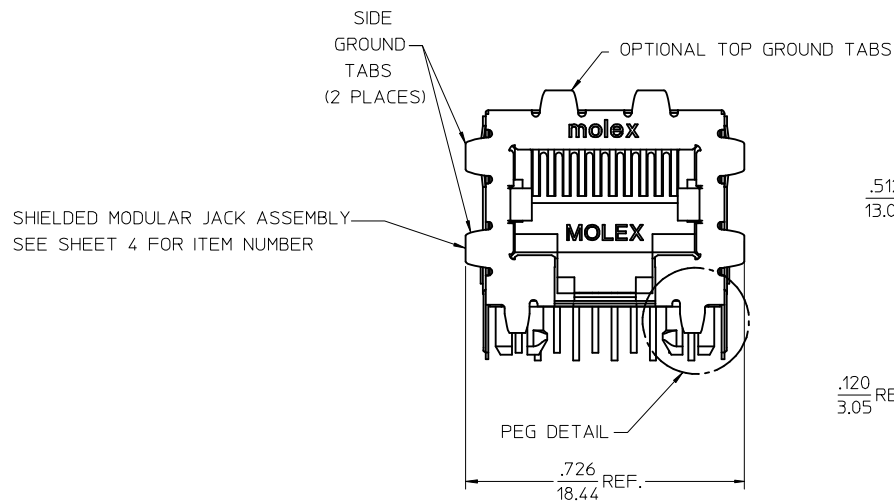
DOCUMENT NO.  
SDA-43249

SHEET NO.  
2 OF 6

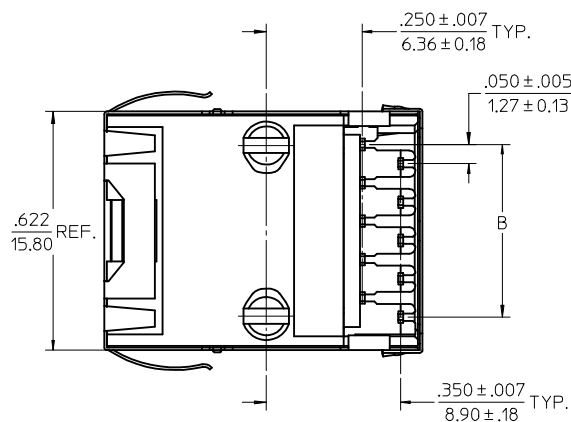
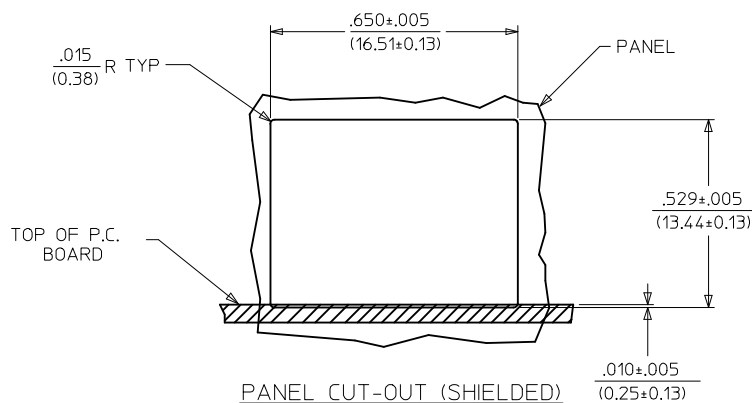
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# MODULAR JACK W/ .007" THICK SHIELD AND OPTIONAL GROUND TABS

8 LOADED 10 VERSION SHOWN WITH GROUND TAB OPTIONS "D" AND "E"



PEG DETAIL  
SCALE 8:1



DESCRIPTION OF GROUND TAB OPTIONS:  
(SEE SHEET 4 FOR AVAILABLE COMBINATIONS OF OPTIONS)

| GROUND TAB OPTION | DESCRIPTION                      |
|-------------------|----------------------------------|
| A                 | NO GROUND TABS                   |
| B                 | TOP TABS ONLY                    |
| C                 | STAGGERED SIDE TABS              |
| D                 | TOP AND SIDE TABS                |
| E                 | PCB GROUND TAB IN FRONT POSITION |
| F                 | PCB GROUND TAB IN REAR POSITION  |

| HOUSING SIZE | CIRCUIT SIZE | B                           |
|--------------|--------------|-----------------------------|
| 8            | 10           | .450 ± .005<br>11.43 ± 0.13 |
| 8            | 8            | .350 ± .005<br>8.89 ± 0.13  |

SEE SHEET 1  
EC NO: UCP2009-0740  
DRWN: KLOSTERNER 2008/09/29  
CHKD: JELL 2008/10/03  
APPR: FSMITH 2008/10/03

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|            | mm     | INCH   |
|------------|--------|--------|
| 4 PLACES ± | ± .010 | ± .004 |
| 3 PLACES ± | ± .010 | ± .004 |
| 2 PLACES ± | ± .025 | ± .010 |
| 1 PLACE ±  | ± .050 | ± .020 |

ANGULAR ± 1/2°

DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
IN/MM

DRAWN BY DATE  
JTR 1993/06/23

CHECKED BY DATE  
JTR 1993/06/23

APPROVED BY DATE  
RAS 1993/06/23

MATERIAL NO.  
SEE SHEET 4

SIZE  
C

SCALE  
4:1

DESIGN UNITS  
INCH

THIRD ANGLE PROJECTION

TITLE  
LOW PROFILE RIGHT ANGLE  
MODULAR JACK ASSEMBLY

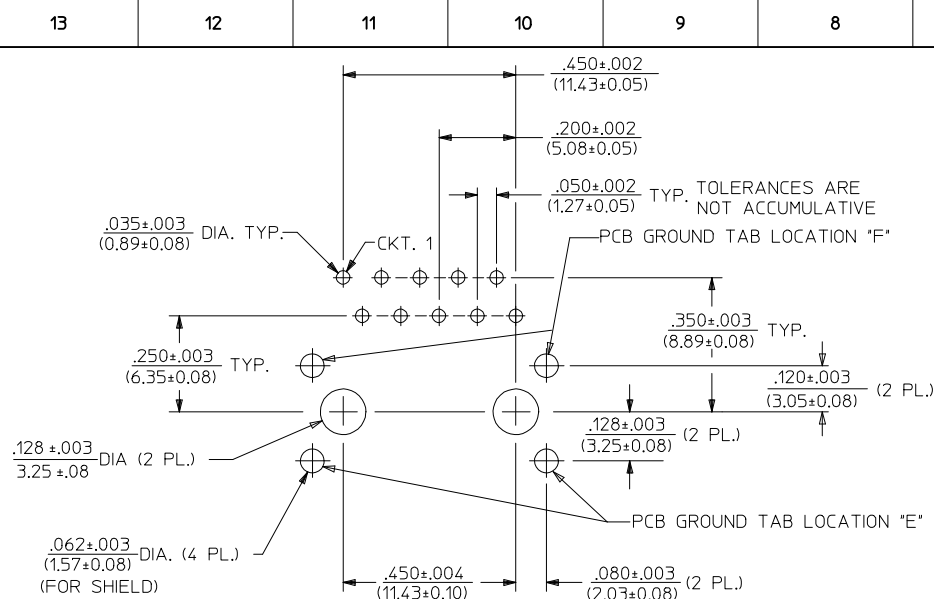
MOLEX INCORPORATED

DOCUMENT NO.  
SDA-43249

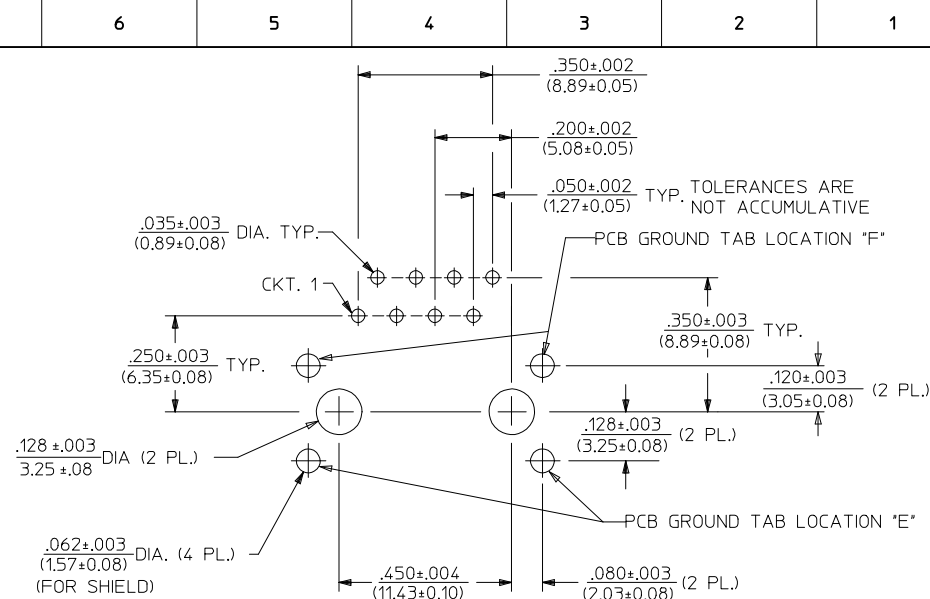
SHEET NO.  
3 OF 6

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

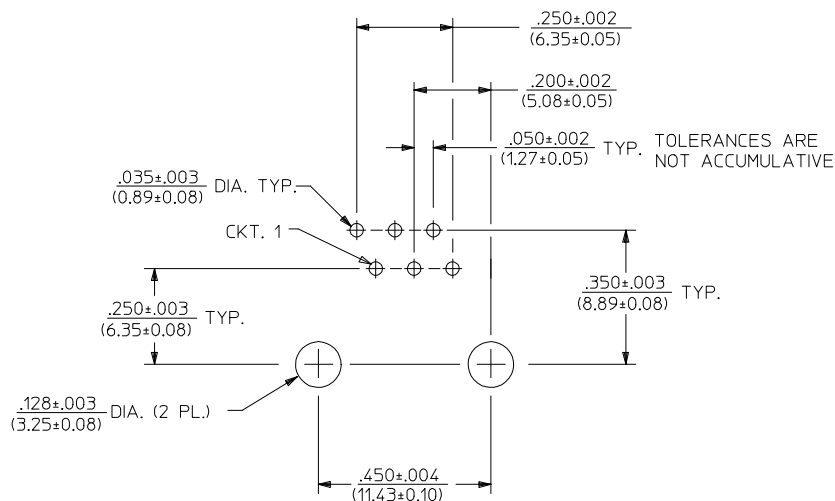




PC BOARD LAYOUT FOR SIZE 8, 10 CIRCUIT  
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 8, 8 CIRCUIT  
(COMPONENT SIDE OF BOARD)

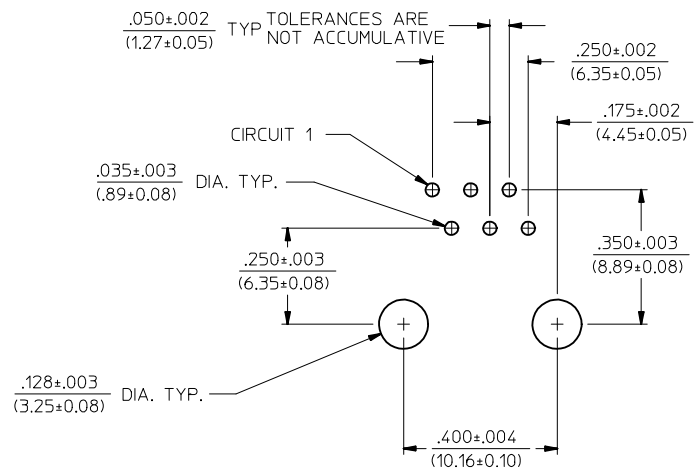


PC BOARD LAYOUT FOR SIZE 8, 6 CIRCUIT  
(COMPONENT SIDE OF BOARD)

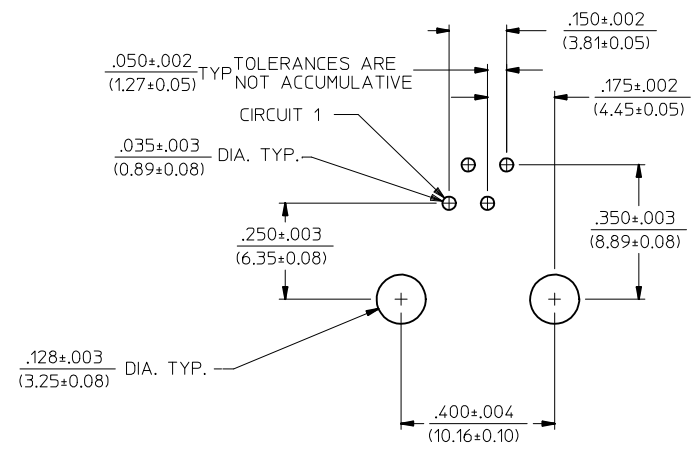
NOTES:  
1. RECOMMENDED PCB THICKNESS: .062 ± .005 / (1.57 ± 0.13)

|                                                                                                                               |                                                      |     |             |                 |                                       |  |                                               |                 |           |       |              |                        |  |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----|-------------|-----------------|---------------------------------------|--|-----------------------------------------------|-----------------|-----------|-------|--------------|------------------------|--|
| SEE SHEET 1                                                                                                                   | EC NO: UCP2009-0740                                  | REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |  |                                               | DIMENSION STYLE |           | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |  |
|                                                                                                                               | IN/MM                                                |     |             |                 | 4:1                                   |  | INCH                                          |                 | TITLE     |       |              |                        |  |
|                                                                                                                               | mm INCH                                              |     |             |                 | DRAWN BY DATE                         |  | LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY |                 |           |       |              |                        |  |
|                                                                                                                               | 4 PLACES ± --- ± ---                                 |     |             |                 | JTR 1993/06/23                        |  |                                               |                 |           |       |              |                        |  |
|                                                                                                                               | 3 PLACES ± --- ± .010                                |     |             |                 | CHECKED BY DATE                       |  |                                               |                 |           |       |              |                        |  |
|                                                                                                                               | 2 PLACES ± .025 ± ---                                |     |             |                 | JTR 1993/06/23                        |  |                                               |                 |           |       |              |                        |  |
|                                                                                                                               | 1 PLACE ± --- ± ---                                  |     |             |                 | APPROVED BY DATE                      |  |                                               |                 |           |       |              |                        |  |
|                                                                                                                               | ANGULAR ±1/2°                                        |     |             |                 | RAS 1993/06/23                        |  | molex MOLEX INCORPORATED                      |                 |           |       |              |                        |  |
|                                                                                                                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |     |             |                 | MATERIAL NO.                          |  | DOCUMENT NO.                                  |                 | SHEET NO. |       |              |                        |  |
|                                                                                                                               |                                                      |     |             |                 | SEE SHEET 4                           |  | SDA-43249                                     |                 | 5 OF 6    |       |              |                        |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                      |     |             |                 |                                       |  |                                               |                 |           |       |              |                        |  |

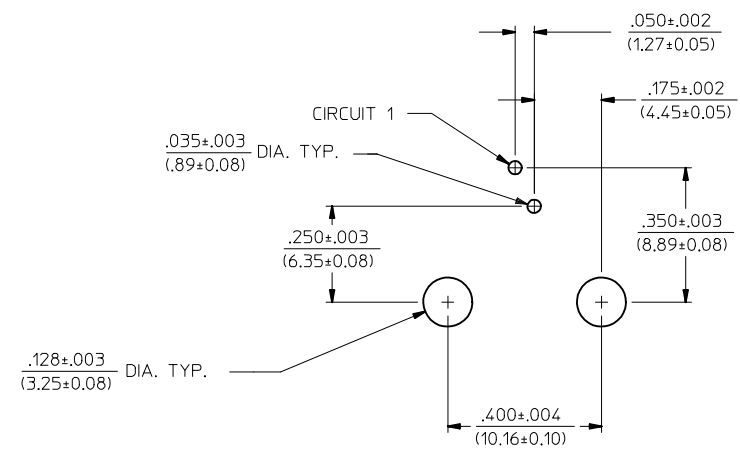
13 12 11 10 9 8 7 6 5 4 3 2 1



PC BOARD LAYOUT FOR SIZE 6, 6 CIRCUIT  
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 6, 4 CIRCUIT  
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 6, 2 CIRCUIT  
(COMPONENT SIDE OF BOARD)

NOTES:  
1. RECOMMENDED PCB THICKNESS: .062±.005/(1.57±0.13)

|                                                                                                                        |             |                                   |                                       |           |                                                                                                                               |                 |                    |                                                        |                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|---------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| SEE SHEET 1<br>EC NO: UCP2009-0740<br>DRWN: KLOSTEMEIER 2008/09/29<br>CHKD: JELL 2008/10/03<br>APPR: FSMITH 2008/10/03 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE<br>IN/MM                                                                                                      |                 | SCALE<br>4:1       | DESIGN UNITS<br>INCH                                   |  THIRD ANGLE PROJECTION |
|                                                                                                                        |             |                                   |                                       | mm        | INCH                                                                                                                          | DRAWN BY<br>JTR | DATE<br>1993/06/23 | TITLE<br>LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY |                                                                                                              |
|                                                                                                                        |             |                                   | 4 PLACES                              | ± ---     | ± ---                                                                                                                         | CHECKED BY      | DATE               |                                                        |                                                                                                              |
|                                                                                                                        |             |                                   | 3 PLACES                              | ± ---     | ± .010                                                                                                                        | JTR             | 1993/06/23         |                                                        |                                                                                                              |
|                                                                                                                        |             |                                   | 2 PLACES                              | ± 0.25    | ± ---                                                                                                                         | APPROVED BY     | DATE               | MOLEX MOLEX INCORPORATED                               |                                                                                                              |
|                                                                                                                        |             |                                   | 1 PLACE                               | ± ---     | ± ---                                                                                                                         | RAS             | 1993/06/23         |                                                        |                                                                                                              |
|                                                                                                                        |             |                                   | ANGULAR ±1/2°                         |           | MATERIAL NO.                                                                                                                  | DOCUMENT NO.    | SHEET NO.          |                                                        |                                                                                                              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                   |             | SEE SHEET 4                       |                                       | SDA-43249 |                                                                                                                               | 6 OF 6          |                    |                                                        |                                                                                                              |
| K1                                                                                                                     | REV         |                                   | SIZE                                  |           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |                    |                                                        |                                                                                                              |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9