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**Part Number:** [0442480001](#)  
**Status:** **Active**  
**Overview:** [modular\\_plugs\\_jacks](#)  
**Description:** Modular Jack, Right Angle, Low Profile, Inverted, Lightpipes, 8/8, 2 Ports

**Documents:**  
[3D Model](#) [Product Specification PS-43860-003 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E107635 |

**General**

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Family            | Modular Jacks/Plugs                 |
| Series                    | <a href="#">44248</a>               |
| Comments                  | Industry Compatible                 |
| Component Type            | PCB Jack                            |
| Magnetic                  | No                                  |
| Overview                  | <a href="#">modular_plugs_jacks</a> |
| Performance Category      | 3                                   |
| Power over Ethernet (PoE) | N/A                                 |
| Product Name              | RJ45                                |

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Boot Color                     | N/A                      |
| Color - Resin                  | Black, Clear             |
| Durability (mating cycles max) | 500                      |
| Flammability                   | 94V-0                    |
| Inverted / Top Latch           | Yes                      |
| Lightpipes/LEDs                | Lightpipes               |
| Material - Metal               | Phosphor Bronze          |
| Material - Plating Mating      | Gold                     |
| Material - Plating Termination | Tin                      |
| Material - Resin               | Polycarbonate, Polyester |
| Orientation                    | Right Angle (Side Entry) |
| PCB Locator                    | Yes                      |
| PCB Retention                  | Yes                      |
| PCB Thickness Recommended (in) | 0.062 In                 |
| PCB Thickness Recommended (mm) | 1.57 mm                  |
| Packaging Type                 | Tray                     |
| Panel Mount                    | With Flange              |
| Pitch - Mating Interface (in)  | 0.040 In                 |
| Pitch - Mating Interface (mm)  | 1.02 mm                  |
| Pitch - Term. Interface (in)   | 0.040 In                 |
| Pitch - Term. Interface (mm)   | 1.02 mm                  |
| Plating min: Mating (µin)      | 50                       |
| Plating min: Mating (µm)       | 1.25                     |
| Plating min: Termination (µin) | 100                      |
| Plating min: Termination (µm)  | 2.5                      |
| Ports                          | 2                        |
| Positions / Loaded Contacts    | 8/8                      |
| Surface Mount Compatible (SMC) | No                       |
| Temperature Range - Operating  | -40°C to +85°C           |
| Termination Interface: Style   | Through Hole             |
| Waterproof / Dustproof         | No                       |

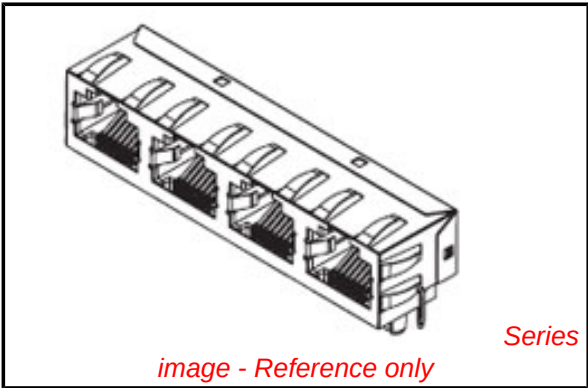


image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Halogen-Free**

**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.

**China RoHS**



**Search Parts in this Series**

[44248Series](#)

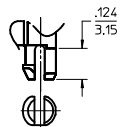
**Mates With**

FCC 68 Plugs

|                                    |                                                                             |
|------------------------------------|-----------------------------------------------------------------------------|
| Wire/Cable Type                    | N/A                                                                         |
| <b>Electrical</b>                  |                                                                             |
| Current - Maximum per Contact      | 1.5A                                                                        |
| Grounding to PCB                   | No                                                                          |
| Shielded                           | No                                                                          |
| Voltage - Maximum                  | 150V AC (RMS)                                                               |
| <b>Solder Process Data</b>         |                                                                             |
| Lead-free Process Capability       | Wave Capable (TH only)                                                      |
| <b>Material Info</b>               |                                                                             |
| <b>Reference - Drawing Numbers</b> |                                                                             |
| Application Specification          | AS-43860-001                                                                |
| Packaging Specification            | PK-44248-004                                                                |
| Product Specification              | PS-43860-003, RPS-43860-004, RPS-43860-007,<br>RPS-43860-008, RPS-43860-013 |
| Sales Drawing                      | SD-44248-001                                                                |
| Test Summary                       | TS-43860-001                                                                |

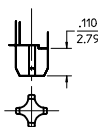
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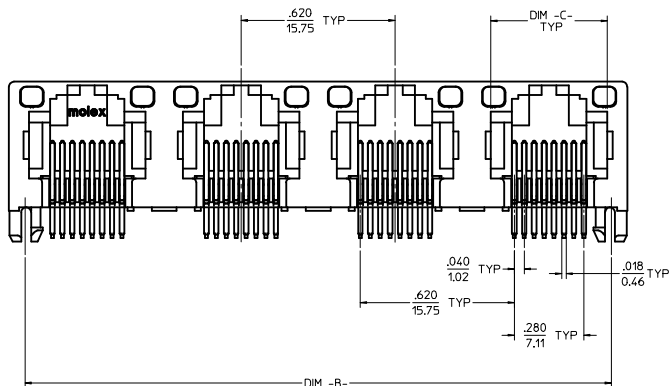
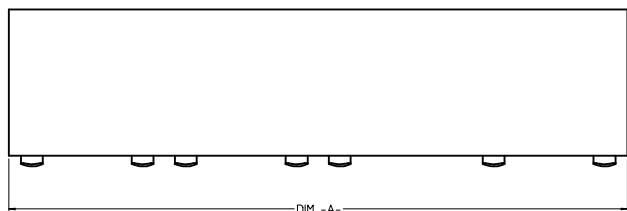
(SNAP-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8

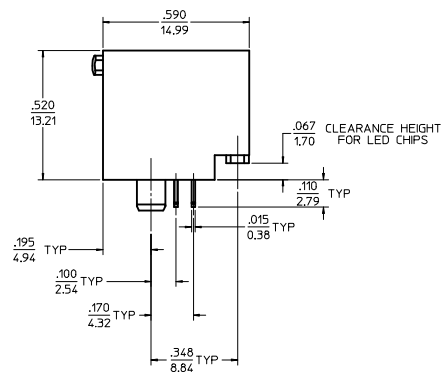


(PRESS-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8



UNSHIELDED  
WITH LIGHT PIPES



## 8 CIRCUIT HOUSING(S)

| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|------------|
| 44248-0001               | 8                  | 2               | SNAP-FIT  | 1.250/31.75 | 1.120/28.45 | .469/11.92 |
| 44248-0002               | 8                  | 4               | SNAP-FIT  | 2.490/63.25 | 2.360/59.94 | .469/11.92 |
| 44248-0005               | 8                  | 2               | PRESS-FIT | 1.250/31.75 | 1.120/28.45 | .469/11.92 |
| 44248-0006               | 8                  | 4               | PRESS-FIT | 2.490/63.25 | 2.360/59.94 | .469/11.92 |

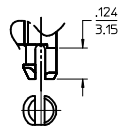
## 6 CIRCUIT HOUSING(S)

| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-   |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|-----------|
| 44248-0009               | 6                  | 2               | SNAP-FIT  | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0010               | 4                  | 2               | SNAP-FIT  | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0011               | 6                  | 4               | SNAP-FIT  | 2.490/63.25 | 2.360/59.94 | .389/9.88 |
| 44248-0012               | 4                  | 4               | SNAP-FIT  | 2.490/63.25 | 2.360/59.94 | .389/9.88 |
| 44248-0017               | 6                  | 2               | PRESS-FIT | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0018               | 4                  | 2               | PRESS-FIT | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0019               | 6                  | 4               | PRESS-FIT | 2.490/63.25 | 2.360/59.94 | .389/9.88 |
| 44248-0020               | 4                  | 4               | PRESS-FIT | 2.490/63.25 | 2.360/59.94 | .389/9.88 |

### NOTES:

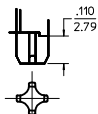
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
LIGHT PIPES: POLYCARBONATE, UL-94V2, COLOR: CLEAR  
TERMINALS: PHOSPHOR BRONZE
- FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.  
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*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.
- PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
- PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX PACKAGING SPECIFICATION PK-44248-004.
- APPLICATION SPECIFICATION: AS-43860-001
- ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
- CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- MODJACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
THIS DRAWING SHOWS SNAP-FIT PEGS.
- PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5) AND (6).
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

|                                                                                                                                          |                               |                                                            |  |                                                                                                                                  |          |                              |                      |                           |                                              |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------|----------------------|---------------------------|----------------------------------------------|--|--|--|
| CHGD 0117 TO 0119<br>EC NO: UCP2009-1482<br>DRAWN BY: KLOSTER 2008/12/10<br>CHKD BY: IELL 2008/12/10<br>APPR:FSM TH 2008/12/10<br>REV C4 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED):                     |  | DIMENSION STYLE<br>IN/MM                                                                                                         |          | SCALE<br>4:1                 | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION | TITLE<br>GANGED INVERTED<br>MODJACK ASSEMBLY |  |  |  |
|                                                                                                                                          |                               | mm INCH                                                    |  | DRAWN BY                                                                                                                         | DATE     | TITLE                        |                      |                           |                                              |  |  |  |
|                                                                                                                                          |                               | 4 PLACES ±--- ±---                                         |  | MMAYO                                                                                                                            | 98/10/06 |                              |                      |                           |                                              |  |  |  |
|                                                                                                                                          |                               | 3 PLACES ±--- ±.010                                        |  | CHECKED BY                                                                                                                       | DATE     |                              |                      |                           |                                              |  |  |  |
|                                                                                                                                          |                               | 2 PLACES ±0.25 ±---                                        |  | JROBERTS                                                                                                                         | 98/10/06 |                              |                      |                           |                                              |  |  |  |
|                                                                                                                                          |                               | 1 PLACE ±--- ±---                                          |  | APPROVED BY                                                                                                                      | DATE     |                              |                      |                           |                                              |  |  |  |
|                                                                                                                                          |                               | ANGULAR ±1/2°                                              |  | JROBERTS                                                                                                                         | 98/10/06 | MOLEX INCORPORATED           |                      |                           |                                              |  |  |  |
|                                                                                                                                          |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | MATERIAL NO.<br>SEE CHART                                                                                                        |          | DOCUMENT NO.<br>SD-44248-001 |                      | SHEET NO.<br>1 OF 6       |                                              |  |  |  |
|                                                                                                                                          |                               |                                                            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |                              |                      |                           |                                              |  |  |  |
|                                                                                                                                          |                               |                                                            |  |                                                                                                                                  |          |                              |                      |                           |                                              |  |  |  |



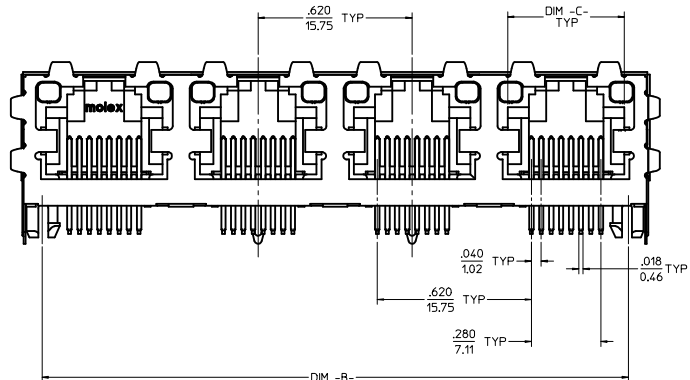
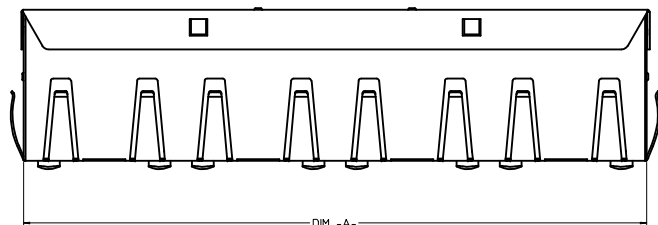
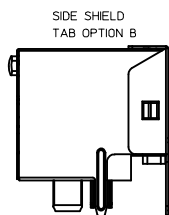
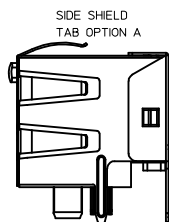
(SNAP-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8



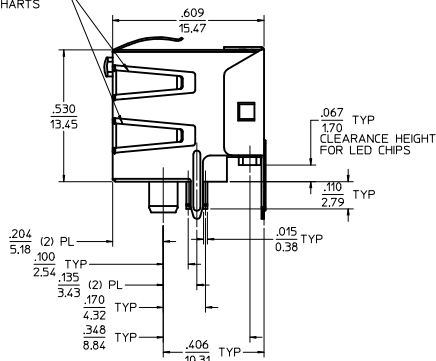
(PRESS-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8



SHIELDED  
WITH LIGHT PIPES

OPTIONAL SIDE  
SHIELD TABS  
SEE CHARTS



## (8) CIRCUIT HOUSING(S)

| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | SIDE SHIELD TAB OPTION | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|------------------------|-------------|-------------|------------|
| 44248-0029               | 8                  | 2               | SNAP-FIT  | A                      | 1.274/32.36 | 1.120/28.45 | .469/11.92 |
| 44248-0030               | 8                  | 4               | SNAP-FIT  | A                      | 2.514/63.86 | 2.360/59.94 | .469/11.92 |
| 44248-0033               | 8                  | 2               | PRESS-FIT | A                      | 1.274/32.36 | 1.120/28.45 | .469/11.92 |
| 44248-0034               | 8                  | 4               | PRESS-FIT | A                      | 2.514/63.86 | 2.360/59.94 | .469/11.92 |

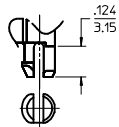
## (6) CIRCUIT HOUSING(S)

| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | SIDE SHIELD TAB OPTION | DIM -A-     | DIM -B-     | DIM -C-   |
|--------------------------|--------------------|-----------------|-----------|------------------------|-------------|-------------|-----------|
| 44248-0037               | 6                  | 2               | SNAP-FIT  | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0038               | 4                  | 2               | SNAP-FIT  | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0039               | 6                  | 4               | SNAP-FIT  | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |
| 44248-0040               | 4                  | 4               | SNAP-FIT  | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |
| 44248-0045               | 6                  | 2               | PRESS-FIT | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0046               | 4                  | 2               | PRESS-FIT | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0047               | 6                  | 4               | PRESS-FIT | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |
| 44248-0048               | 4                  | 4               | PRESS-FIT | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |

### NOTES:

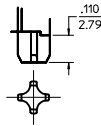
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
LIGHT PIPES: POLYCARBONATE, UL-94V2, COLOR: CLEAR  
TERMINALS: PHOSPHOR BRONZE  
SHIELD: BRASS
- FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 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.
- PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
- PACKAGING SPECIFICATION:  
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- APPLICATION SPECIFICATION: AS-43860-001
- ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
- CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- MODJACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
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- PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5) AND (6).
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

|                                                                                                                                      |                               |                                        |               |                 |                                                                                                                               |              |              |                        |                                  |                    |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|---------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|------------------------|----------------------------------|--------------------|
| SEE SHEET 1<br>DEC NO: UCP2009-1482<br>DRAWN: KLOSTERER 2008/12/10<br>CHKD: BELL 2008/12/10<br>APPROV: SMITH 2008/12/10<br>REV<br>C4 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED): |               | DIMENSION STYLE |                                                                                                                               | SCALE        | DESIGN UNITS | THIRD ANGLE PROJECTION | GANGED INVERTED MODJACK ASSEMBLY |                    |
|                                                                                                                                      |                               |                                        |               | IN/MM           |                                                                                                                               | 4:1          | INCH         |                        |                                  |                    |
|                                                                                                                                      |                               | 4 PLACES                               | ±---          | ±---            | DRAWN BY                                                                                                                      | DATE         | TITLE        |                        |                                  |                    |
|                                                                                                                                      |                               | 3 PLACES                               | ±---          | ±.010           | CHECKED BY                                                                                                                    | DATE         |              |                        |                                  |                    |
|                                                                                                                                      |                               | 2 PLACES                               | ±0.25         |                 | JROBERTS                                                                                                                      | 98/10/06     |              |                        |                                  |                    |
|                                                                                                                                      |                               | 1 PLACE                                | ±---          |                 | APPROVED BY                                                                                                                   | DATE         |              |                        |                                  |                    |
|                                                                                                                                      |                               |                                        | ANGULAR ±1/2° |                 | JROBERTS                                                                                                                      | 98/10/06     | Molex        |                        |                                  | MOLEX INCORPORATED |
|                                                                                                                                      |                               |                                        |               |                 | MATERIAL NO.                                                                                                                  | DOCUMENT NO. |              |                        |                                  |                    |
|                                                                                                                                      |                               |                                        |               |                 | SEE CHART                                                                                                                     | SD-44248-001 |              |                        |                                  |                    |
|                                                                                                                                      |                               |                                        |               |                 | SIZE                                                                                                                          |              |              |                        |                                  |                    |
|                                                                                                                                      |                               |                                        |               |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |              |                        |                                  |                    |



SNAP-FIT PEG OPTION

SCALE: NTS.  
SEE NOTE #7



PRESS-FIT PEG OPTION

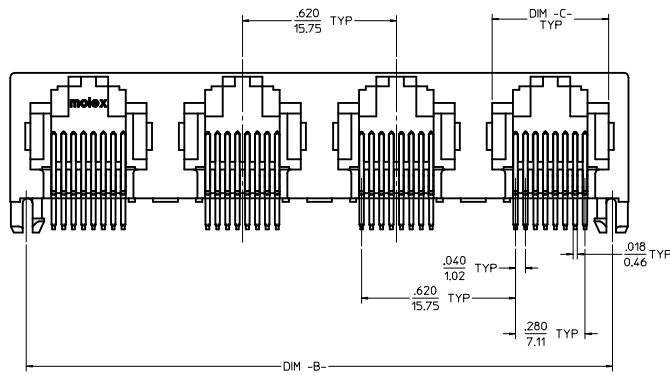
SCALE: NTS.  
SEE NOTE #7

## 8 CIRCUIT HOUSING(S)

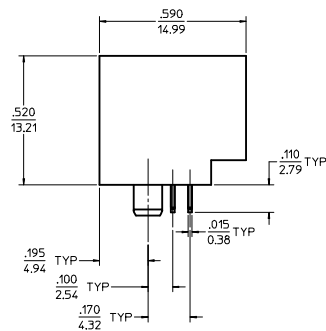
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|------------|
| 44248-0057               | 8                  | 2               | SNAP-FIT  | 1.250/31.75 | 1.120/28.45 | .469/11.92 |
| 44248-0058               | 8                  | 4               | SNAP-FIT  | 2.490/63.25 | 2.360/59.94 | .469/11.92 |
| 44248-0061               | 8                  | 2               | PRESS-FIT | 1.250/31.75 | 1.120/28.45 | .469/11.92 |
| 44248-0062               | 8                  | 4               | PRESS-FIT | 2.490/63.25 | 2.360/59.94 | .469/11.92 |

## 6 CIRCUIT HOUSING(S)

| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-   |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|-----------|
| 44248-0065               | 6                  | 2               | SNAP-FIT  | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0066               | 4                  | 2               | SNAP-FIT  | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0067               | 6                  | 4               | SNAP-FIT  | 2.490/63.25 | 2.360/59.94 | .389/9.88 |
| 44248-0068               | 4                  | 4               | SNAP-FIT  | 2.490/63.25 | 2.360/59.94 | .389/9.88 |
| 44248-0073               | 6                  | 2               | PRESS-FIT | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0074               | 4                  | 2               | PRESS-FIT | 1.250/31.75 | 1.120/28.45 | .389/9.88 |
| 44248-0075               | 6                  | 4               | PRESS-FIT | 2.490/63.25 | 2.360/59.94 | .389/9.88 |
| 44248-0076               | 4                  | 4               | PRESS-FIT | 2.490/63.25 | 2.360/59.94 | .389/9.88 |

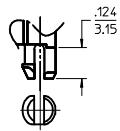


UNSHIELDED



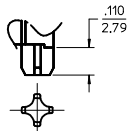
- NOTES:
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE
  - FINISH:  
TERMINALS:  
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.  
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*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.
  - PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
  - PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX PACKAGING  
SPECIFICATION PK-44248-004.
  - ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
  - CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
  - MODJACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
THIS DRAWING SHOWS SNAP-FIT PEGS.
  - PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5) AND (6).
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC  
SPECIFICATION PS-45499-002.

|                                                                                                                               |             |                               |                                                                         |  |                                                                                                                                   |  |                              |                      |                        |                                              |
|-------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------|-------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|----------------------|------------------------|----------------------------------------------|
| SEE SHEET 1<br>REV C4                                                                                                         | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                   |  | DIMENSION STYLE<br>IN/MM                                                                                                          |  | SCALE<br>4:1                 | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION | TITLE<br>GANGED INVERTED<br>MODJACK ASSEMBLY |
|                                                                                                                               |             |                               |                                                                         |  |                                                                                                                                   |  |                              |                      |                        |                                              |
|                                                                                                                               |             |                               |                                                                         |  |                                                                                                                                   |  |                              |                      |                        |                                              |
|                                                                                                                               |             |                               |                                                                         |  |                                                                                                                                   |  |                              |                      |                        |                                              |
|                                                                                                                               |             |                               |                                                                         |  |                                                                                                                                   |  |                              |                      |                        |                                              |
| DRAWN: JLCST2009-1482<br>CHECKED: JLCST2009-12100<br>APPROVED: JLCST2009-12100                                                |             |                               | 4 PLACES ± .010<br>3 PLACES ± .010<br>2 PLACES ± 0.25<br>1 PLACE ± .010 |  | DRAWN BY<br>MAYO<br>DATE<br>98/10/06<br>CHECKED BY<br>JROBERTS<br>DATE<br>98/10/06<br>APPROVED BY<br>JROBERTS<br>DATE<br>98/10/06 |  | MOLEX INCORPORATED           |                      | SHEET NO.<br>3 OF 6    |                                              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                    |             |                               | ANGULAR ± 1/2°                                                          |  | MATERIAL NO.<br>SEE CHART                                                                                                         |  | DOCUMENT NO.<br>SD-44248-001 |                      |                        |                                              |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                               |                                                                         |  |                                                                                                                                   |  |                              |                      |                        |                                              |



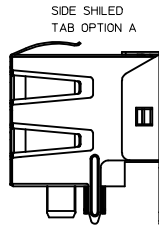
SNAP-FIT PEG OPTION

SCALE: NTS  
SEE NOTE #7

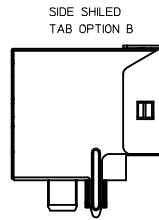


PRESS-FIT PEG OPTION

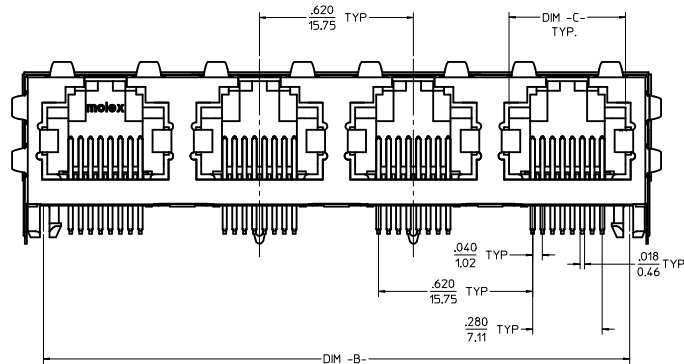
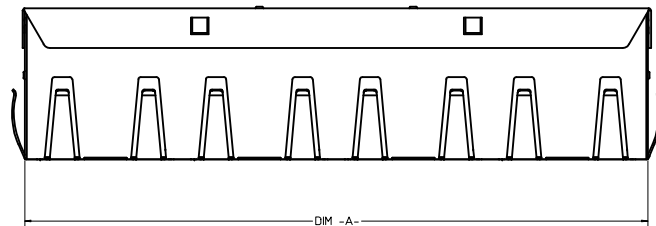
SCALE: NTS  
SEE NOTE #7



SIDE SHIELDED  
TAB OPTION A

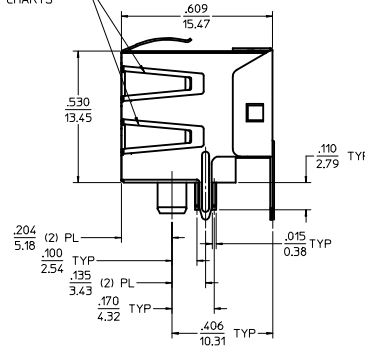


SIDE SHIELDED  
TAB OPTION B



SHIELDED

OPTIONAL SIDE  
SHIELD TABS  
SEE CHARTS



(8) CIRCUIT HOUSING(S)

| X = NOT TOOLED | ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | SIDE SHIELD TAB OPTION | DIM -A-     | DIM -B-     | DIM -C-    |
|----------------|--------------------------|--------------------|-----------------|-----------|------------------------|-------------|-------------|------------|
|                | 44248-0085               | 8                  | 2               | SNAP-FIT  | A                      | 1.274/32.36 | 1.120/28.45 | .469/11.92 |
|                | 44248-0086               | 8                  | 4               | SNAP-FIT  | A                      | 2.514/63.86 | 2.360/59.94 | .469/11.92 |
|                | 44248-0089               | 8                  | 2               | PRESS-FIT | A                      | 1.274/32.36 | 1.120/28.45 | .469/11.92 |
|                | 44248-0090               | 8                  | 4               | PRESS-FIT | A                      | 2.514/63.86 | 2.360/59.94 | .469/11.92 |
| X              | 44248-0119               | 8                  | 4               | PRESS FIT | B                      | 2.514/63.86 | 2.360/59.94 | .469/11.92 |

(6) CIRCUIT HOUSING(S)

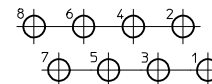
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | SIDE SHIELD TAB OPTION | DIM -A-     | DIM -B-     | DIM -C-   |
|--------------------------|--------------------|-----------------|-----------|------------------------|-------------|-------------|-----------|
| 44248-0093               | 6                  | 2               | SNAP-FIT  | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0094               | 4                  | 2               | SNAP-FIT  | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0095               | 6                  | 4               | SNAP-FIT  | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |
| 44248-0096               | 4                  | 4               | SNAP-FIT  | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |
| 44248-0101               | 6                  | 2               | PRESS-FIT | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0102               | 4                  | 2               | PRESS-FIT | A                      | 1.274/32.36 | 1.120/28.45 | .389/9.88 |
| 44248-0103               | 6                  | 4               | PRESS-FIT | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |
| 44248-0104               | 4                  | 4               | PRESS-FIT | A                      | 2.514/63.86 | 2.360/59.94 | .389/9.88 |

- NOTES:
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE  
SHIELD: BRASS
  - FINISH:  
TERMINALS:  
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.  
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.
  - PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
  - PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX PACKAGING SPECIFICATION PK-44248-004.
  - ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
  - CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
  - MODJACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
THIS DRAWING SHOWS SNAP-FIT PEGS.
  - PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5) AND (6).
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-43499-002.

|                                                                                                                                           |                             |                                                                                                                               |  |                           |  |                                  |                              |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|--|----------------------------------|------------------------------|------------------------|
| CHGD 0117 TO 0119<br>EC NO: UCP2009-1482<br>DRAWN BY: KLOS/TEMLER 2008/12/10<br>CHKD BY: BELL 2008/12/10<br>APPROVED BY: SMITH 2008/12/10 | QUALITY SYMBOLS<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>MMAYO 98/10/06       |                              |                        |
|                                                                                                                                           |                             | 4 PLACES ± .010                                                                                                               |  | 4 PLACES ± .010           |  | CHECKED BY<br>JROBERTS 98/10/06  |                              |                        |
|                                                                                                                                           |                             | 2 PLACES ± .025                                                                                                               |  | 2 PLACES ± .025           |  | APPROVED BY<br>JROBERTS 98/10/06 |                              |                        |
| 1 PLACE ± .010                                                                                                                            |                             | 1 PLACE ± .010                                                                                                                |  | MATERIAL NO.<br>SEE CHART |  |                                  | DOCUMENT NO.<br>SD-44248-001 |                        |
| ANGULAR ± 1/2°                                                                                                                            |                             | ANGULAR ± 1/2°                                                                                                                |  | SIZE<br>D                 |  |                                  | SHEET NO.<br>4 OF 6          |                        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                                                                   |                             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                           |  |                                  |                              |                        |



| NUMBER OF PORTS | DIM -B-     | DIM -C-     |
|-----------------|-------------|-------------|
| 2               | 1.120/28.45 | 1.280/32.51 |
| 4               | 2.360/59.94 | 2.520/64.01 |



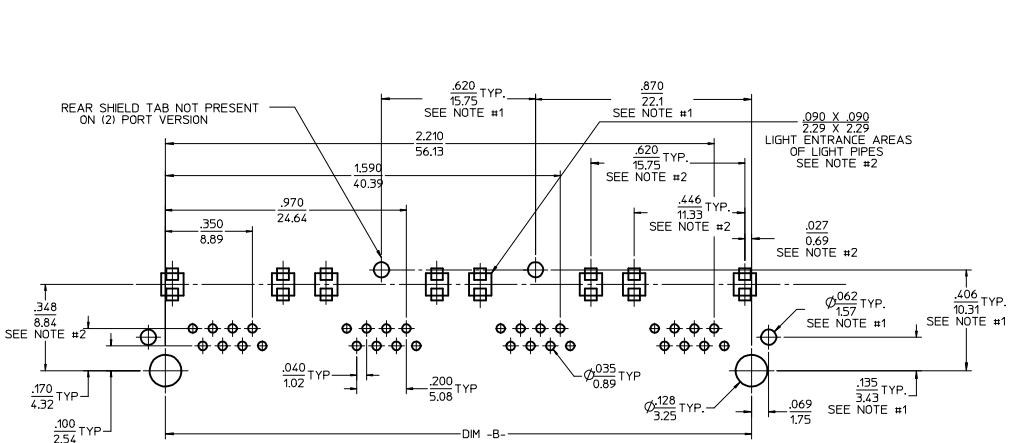
TYPICAL PC TERMINAL HOLE LAYOUT  
(8) CIRCUIT CONFIGURATION  
SCALE: 10:1

NOTES:

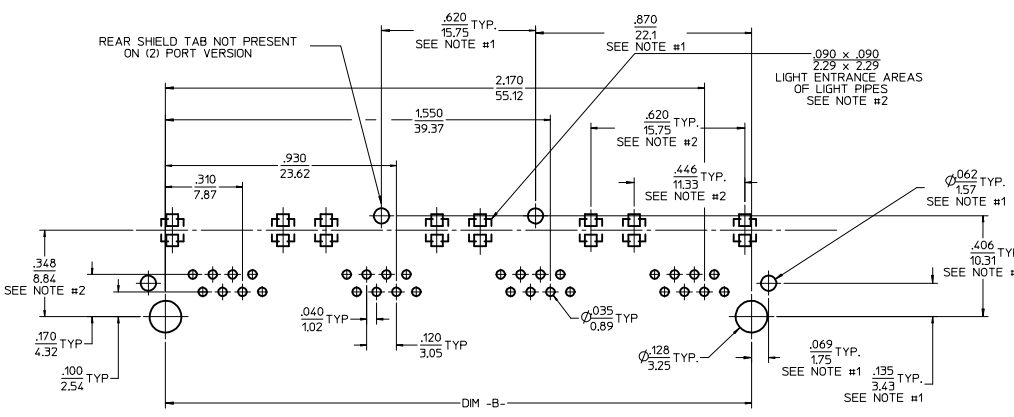
- 1) DIMENSIONS MARKED "SEE NOTE #1" REFER TO ASSEMBLIES WITH THE SHIELDING OPTION INCLUDED
- 2) DIMENSIONS MARKED "SEE NOTE #2" REFER TO ASSEMBLIES WITH THE LIGHT PIPE OPTION INCLUDED
- 3) FOR CROSS REFERENCE OF RECOMMENDED LEDS SEE MOLEX WEB SITE.

|                                                                                                                                                       |                                            |                                       |                                                            |                 |              |                                                                                                                                  |                                                                                       |                        |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------|------------------------------------------------------------|-----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|--|--|
| <div>SEE SHEET 1</div> <div>EC NO: UCP2005-1482</div> <div>DRAWING: MOLEX EPR 2008/12/10</div> <div>CHKD: BELL</div> <div>APPR: F-SH 2008/12/10</div> | QUALITY SYMBOLS                            | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                            | DIMENSION STYLE |              | SCALE                                                                                                                            | DESIGN UNITS                                                                          | THIRD ANGLE PROJECTION |  |  |
|                                                                                                                                                       | <div><div>▽=0</div><div>▽=0.25</div></div> | mm                                    | INCH                                                       | DRAWN BY        | DATE         | TITLE                                                                                                                            | 4:1                                                                                   | INCH                   |  |  |
|                                                                                                                                                       |                                            | 4 PLACES ±.005                        | ±.005                                                      | MMAYO           | 98/10/06     | GANGED INVERTED<br>MODJACK ASSEMBLY                                                                                              |                                                                                       |                        |  |  |
|                                                                                                                                                       |                                            | 3 PLACES ±.010                        | ±.010                                                      | CHECKED BY      | DATE         |                                                                                                                                  |                                                                                       |                        |  |  |
|                                                                                                                                                       |                                            | 2 PLACES ±.025                        | ±.025                                                      | JROBERTS        | 98/10/06     |                                                                                                                                  |                                                                                       |                        |  |  |
|                                                                                                                                                       |                                            | 1 PLACE ±.050                         | ±.050                                                      | APPROVED BY     | DATE         |                                                                                                                                  |                                                                                       |                        |  |  |
|                                                                                                                                                       |                                            |                                       | ANGULAR ±1/2°                                              |                 | JROBERTS     | 98/10/06                                                                                                                         |  | MOLEX INCORPORATED     |  |  |
|                                                                                                                                                       |                                            |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                 | MATERIAL NO. |                                                                                                                                  | DOCUMENT NO.                                                                          | N/A SD-44248-001       |  |  |
|                                                                                                                                                       |                                            |                                       |                                                            |                 | SIZE         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                       |                        |  |  |
|                                                                                                                                                       |                                            |                                       |                                                            |                 |              |                                                                                                                                  |                                                                                       |                        |  |  |

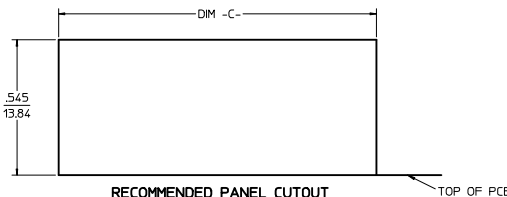
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



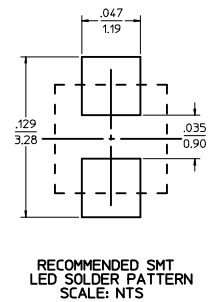
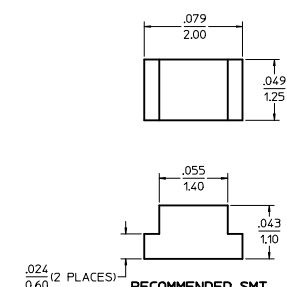
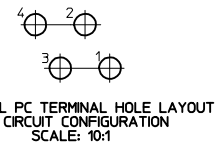
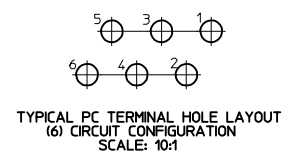
6 CIRCUIT PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062/157  
TOLERANCE ±.003/076 UNLESS OTHERWISE SPECIFIED



4 CIRCUIT PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062/157  
TOLERANCE ±.003/076 UNLESS OTHERWISE SPECIFIED



| NUMBER OF PORTS | DIM -B-     | DIM -C-     |
|-----------------|-------------|-------------|
| 2               | 1.120/28.45 | 1.280/32.51 |
| 4               | 2.360/59.94 | 2.520/64.01 |



- NOTES:
- 1) DIMENSIONS MARKED "SEE NOTE #1" REFER TO ASSEMBLIES WITH SHIELDING OPTION INCLUDED
  - 2) DIMENSIONS MARKED "SEE NOTE #2" REFER TO ASSEMBLIES WITH THE LIGHT PIPE OPTION INCLUDED
  - 3) FOR CROSS REFERENCE OF RECOMMENDED LEDS SEE MOLEX WEB SITE.

|                                                                                                                                      |                                                                                                                               |                                                                                                                                                                                                   |                                                                                            |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------|
| SEE SHEET 1<br>SEC NO: UCP2009-1482<br>DRAWN: KLOSTERMEIER 2008/12/10<br>CHKD: BELL 2008/12/10<br>APPROV: SMITH 2008/12/10<br>REV C4 | QUALITY SYMBOLS<br>▽=0<br>▽=0                                                                                                 | GENERAL TOLERANCES (UNLESS SPECIFIED):<br>mm INCH<br>4 PLACES ±.010<br>3 PLACES ±.010<br>2 PLACES ±.025<br>1 PLACE ±.050<br>ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>IN/MM<br>SCALE<br>4:1<br>DESIGN UNITS<br>INCH<br>THIRD ANGLE PROJECTION | TITLE<br>GANGED INVERTED MODJACK ASSEMBLY |
|                                                                                                                                      | MATERIAL NO.<br>N/A                                                                                                           |                                                                                                                                                                                                   | DOCUMENT NO.<br>SD-44248-001                                                               |                                           |
|                                                                                                                                      | SIZE<br>D                                                                                                                     |                                                                                                                                                                                                   | SHEET NO.<br>6 OF 6                                                                        |                                           |
|                                                                                                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                                                                                                   |                                                                                            |                                           |





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.