

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0442480089](#)  
**Status:** **Active**  
**Overview:** [modular\\_plugs\\_jacks](#)  
**Description:** Modular Jack, Right Angle, Low Profile, Inverted, 8/8, 2 Ports

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

**Agency Certification**

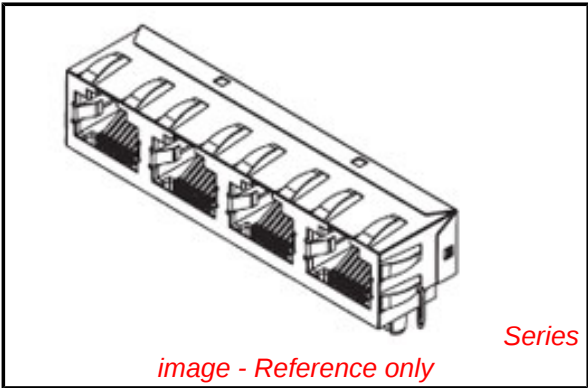
CSA LR19980  
UL E107635

**General**

Product Family Modular Jacks/Plugs  
Series [44248](#)  
Comments Industry Compatible  
Component Type PCB Jack  
Magnetic No  
Overview [modular\\_plugs\\_jacks](#)  
Performance Category 3  
Power over Ethernet (PoE) N/A  
Product Name RJ45

**Physical**

Boot Color N/A  
Color - Resin Black  
Durability (mating cycles max) 500  
Flammability 94V-0  
Inverted / Top Latch Yes  
Lightpipes/LEDs None  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin 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  
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  
Wire/Cable Type N/A



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
Not Reviewed  
**Halogen-Free  
Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**  
[44248Series](#)

**Electrical**

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | 1.5A          |
| Grounding to PCB              | Yes           |
| Shielded                      | Yes           |
| Voltage - Maximum             | 150V AC (RMS) |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| 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                                                                |

This document was generated on 06/08/2010

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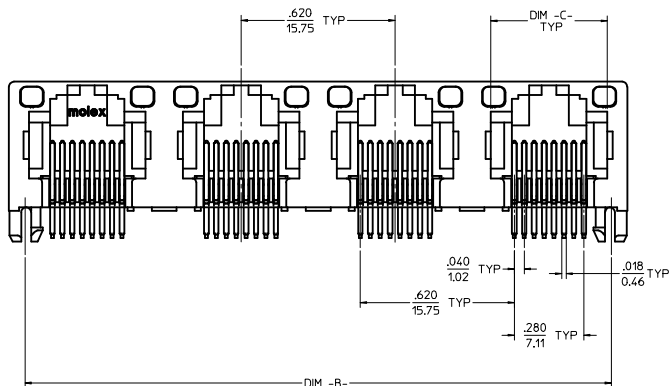
(SNAP-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8

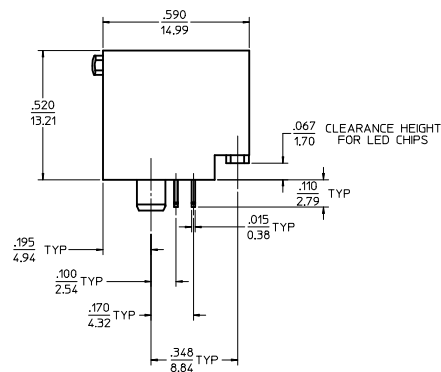


(PRESS-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8



UNSHIELDED  
WITH LIGHT PIPES



## 8 CIRCUIT HOUSING(S)

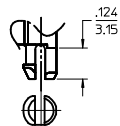
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|------------|
| 44248-0001               | 8                  | 2               | 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 |

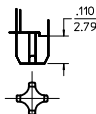
- NOTES:
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
LIGHT PIPES: POLYCARBONATE, UL-94V2, COLOR: CLEAR  
TERMINALS: PHOSPHOR BRONZE
  - FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (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.

|                                                                                                                                                   |                               |                                       |       |                          |                  |                                           |                      |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|-------|--------------------------|------------------|-------------------------------------------|----------------------|------------------------|
| CHGNO 0117 TO 0119<br>EC NO: UCP2009-1482<br>DRAWN BY: KLOSTNER 2008/12/10<br>CHKD BY: IELL 2008/12/10<br>APPROVED BY: SMITH 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 PROJECTION |
|                                                                                                                                                   |                               | mm                                    | INCH  | DRAWN BY<br>MAYO         | DATE<br>98/10/06 | TITLE<br>GANGED INVERTED MODJACK ASSEMBLY |                      |                        |
|                                                                                                                                                   |                               | 4 PLACES ±---                         | ±---  | CHECKED BY<br>ROBERTS    | DATE<br>98/10/06 | MOLEX INCORPORATED                        |                      |                        |
|                                                                                                                                                   |                               | 3 PLACES ±---                         | ±.010 | APPROVED BY<br>ROBERTS   | DATE<br>98/10/06 | DOCUMENT NO.<br>SD-44248-001              |                      |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                              |                               | SIZE<br>D                             |       | SEE CHART                |                  | SHEET NO.<br>1 OF 6                       |                      |                        |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                     |                               |                                       |       |                          |                  |                                           |                      |                        |



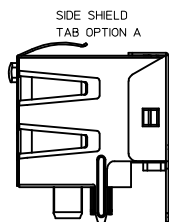
SNAP-FIT PEG OPTION

SCALE: NTS  
SEE NOTE #8

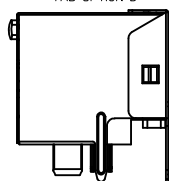


PRESS-FIT PEG OPTION

SCALE: NTS  
SEE NOTE #8



SIDE SHIELD  
TAB OPTION B



## (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 |

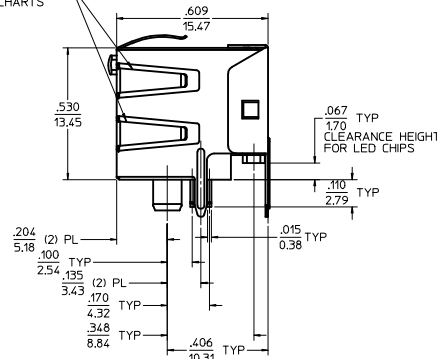
## (6) CIRCUIT HOUSING(S)

| 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:

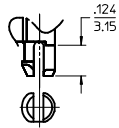
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
LIGHT PIPES: POLYCARBONATE, UL-94V2, COLOR: CLEAR  
TERMINALS: PHOSPHOR BRONZE  
SHIELD: BRASS
- FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 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:  
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.

OPTIONAL SIDE  
SHIELD TABS  
SEE CHARTS



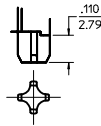
SHIELDED  
WITH LIGHT PIPES

|                                                                                                                                  |                               |             |                                                      |      |                 |          |                                                                                                                               |              |                        |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|------------------------------------------------------|------|-----------------|----------|-------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|--|--|
| SEE SHEET 1<br>EC NO: UC2009-1482<br>DRAWN: KLOSTERER 2008/12/10<br>CHKD: BELL 2008/12/10<br>APPR: SMITH 2008/12/10<br>REV<br>C4 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                |      | DIMENSION STYLE |          | SCALE                                                                                                                         | DESIGN UNITS | THIRD ANGLE PROJECTION |  |  |
|                                                                                                                                  |                               |             | mm                                                   | INCH | IN/MM           | 4:1      | INCH                                                                                                                          |              |                        |  |  |
|                                                                                                                                  |                               |             | 4 PLACES ±.010                                       |      | DRAWN BY        | DATE     | TITLE                                                                                                                         |              |                        |  |  |
|                                                                                                                                  |                               |             | 3 PLACES ±.025                                       |      | CHECKED BY      | DATE     | GANGED INVERTED MODJACK ASSEMBLY                                                                                              |              |                        |  |  |
|                                                                                                                                  |                               |             | 2 PLACES ±.050                                       |      | JROBERTS        | 98/10/06 | MOLEX INCORPORATED                                                                                                            |              |                        |  |  |
|                                                                                                                                  |                               |             | 1 PLACE ±.100                                        |      | APPROVED BY     | DATE     |                                                                                                                               |              |                        |  |  |
|                                                                                                                                  |                               |             | ANGULAR ±1/2°                                        |      | JROBERTS        | 98/10/06 |                                                                                                                               |              |                        |  |  |
|                                                                                                                                  |                               |             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |      | MATERIAL NO.    |          | DOCUMENT NO.                                                                                                                  |              | SHEET NO.              |  |  |
|                                                                                                                                  |                               |             |                                                      |      | SEE CHART       |          | SD-44248-001                                                                                                                  |              | 2 OF 6                 |  |  |
|                                                                                                                                  |                               |             |                                                      |      | SIZE D          |          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |  |  |



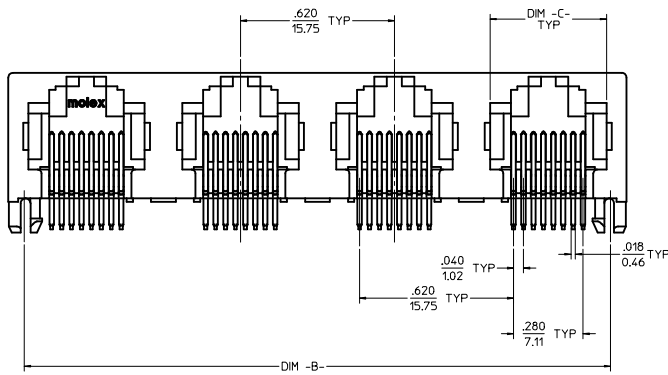
SNAP-FIT PEG OPTION

SCALE: NTS.  
SEE NOTE #7



PRESS-FIT PEG OPTION

SCALE: NTS.  
SEE NOTE #7



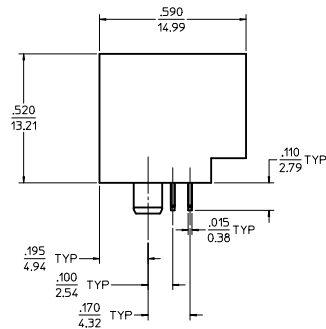
UNSHIELDED

## 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 |

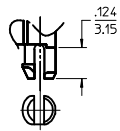
## 6 CIRCUIT HOUSING(S)

| 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 |



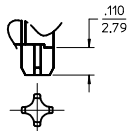
- NOTES:
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE
  - FINISH:  
TERMINALS:  
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.  
WITH OVERALL NICKEL 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.
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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>EC NO: UCP2009-1482<br>DRAWN: KLOSTERMEIER 2008/12/10<br>CHKD: BELL 2008/12/10<br>APPROVED: 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 |
|                                                                                                                             |                               | 4 PLACES ± .010<br>3 PLACES ± .010<br>2 PLACES ± 0.25<br>1 PLACE ± .010 |  | DRAWN BY<br>MAYO 98/10/06<br>CHECKED BY<br>JROBERTS 98/10/06<br>APPROVED BY<br>JROBERTS 98/10/06 |  | TITLE<br>GANGED INVERTED<br>MODJACK ASSEMBLY |                      |                        |
|                                                                                                                             |                               | ANGULAR ±1/2°                                                           |  | MATERIAL NO.<br>SEE CHART                                                                        |  | MOLEX INCORPORATED                           |                      |                        |
|                                                                                                                             |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS              |  | SIZE<br>D                                                                                        |  | DOCUMENT NO.<br>SD-44248-001                 |                      |                        |



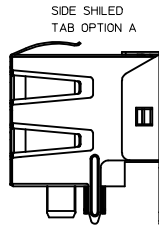
SNAP-FIT PEG OPTION

SCALE: NTS  
SEE NOTE #7

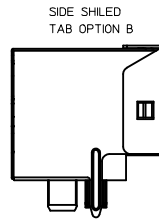


PRESS-FIT PEG OPTION

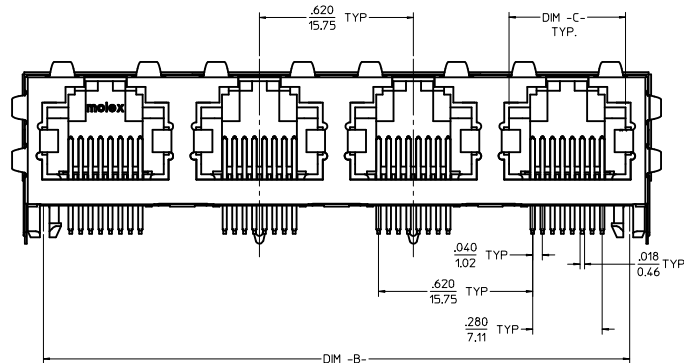
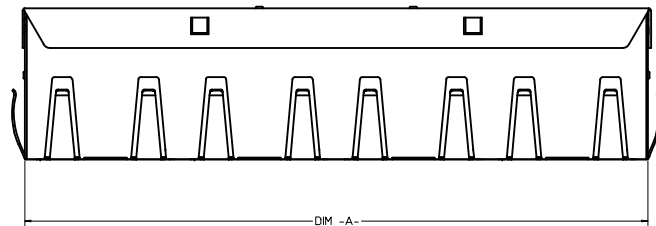
SCALE: NTS  
SEE NOTE #7



SIDE SHIELDED  
TAB OPTION A

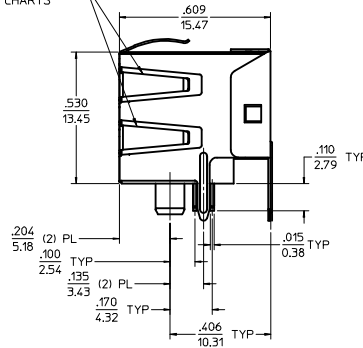


SIDE SHIELDED  
TAB OPTION B



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 |
|                                                                                                                                           |                             |                                       |  |                          |  |                    |                      |                        |
|                                                                                                                                           |                             |                                       |  |                          |  |                    |                      |                        |
|                                                                                                                                           |                             |                                       |  |                          |  |                    |                      |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                      |                             |                                       |  | SEE CHART                |  | MOLEX INCORPORATED |                      | SHEET NO.<br>4 OF 6    |



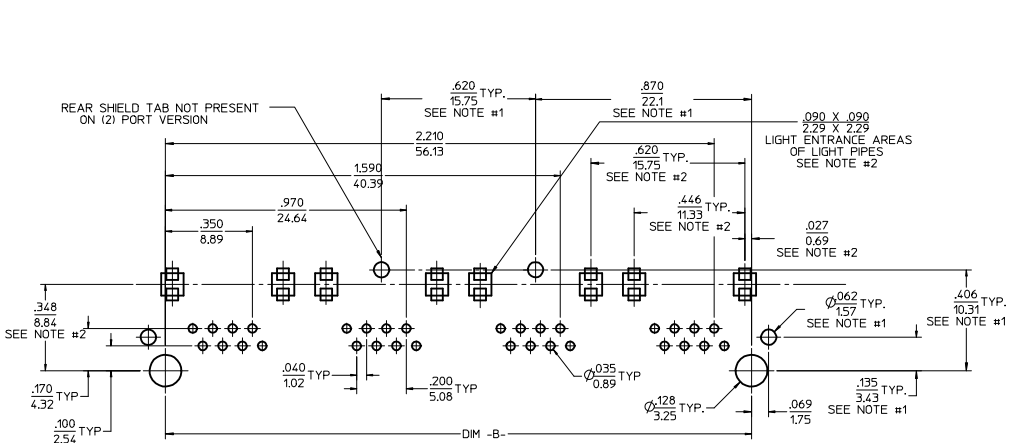
NOTES:

- 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.

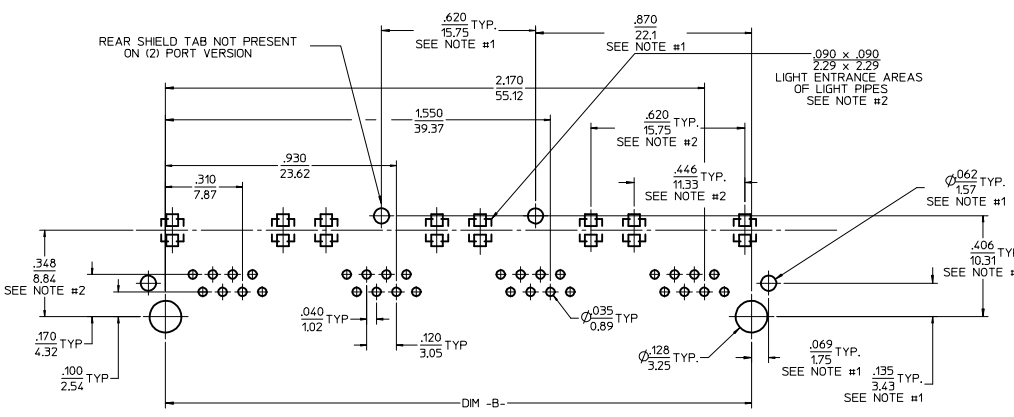
TYPICAL PC TERMINAL HOLE LAYOUT  
(8) CIRCUIT CONFIGURATION  
SCALE: 10:1

ib\_frame\_D\_P\_AM\_T  
Rev. E 2006/04/15

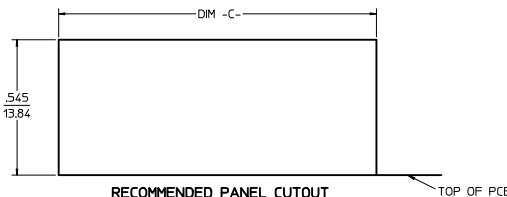
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



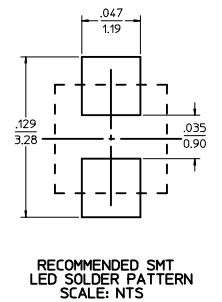
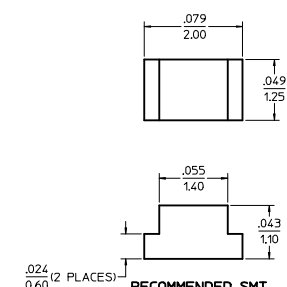
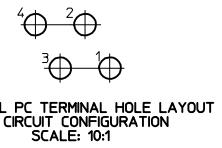
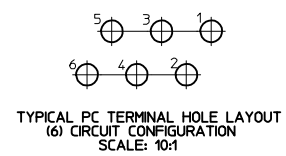
6 CIRCUIT PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062/157  
TOLERANCE ±.003/076 UNLESS OTHERWISE SPECIFIED



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>REV C4<br>DEC NO: UCP2009-1482<br>DRAWN: KLOSTERMEIER 2008/12/10<br>CHKD: BELL 2008/12/10<br>APPROV: SMITH 2008/12/10 | 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<br>DOCUMENT NO.<br>SD-44248-001 | SHEET NO.<br>6 OF 6 |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------|---------------------|



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

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**Факс:** 8 (812) 320-02-42

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