

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0442480101

Status:

Active

Overview:

modular\_plugs\_jacks

Description:

Modular Jack, Right Angle, Low Profile, Inverted, 6/4, 2 Ports

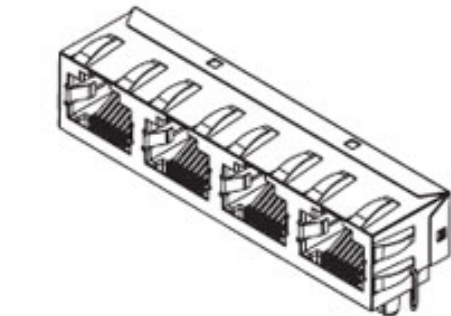


image - Reference only

Series

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              | RJ11                |

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    | 6/4                      |
| 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

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**

|                              |                        |
|------------------------------|------------------------|
| Lead-free Process Capability | Wave Capable (TH only) |
|------------------------------|------------------------|

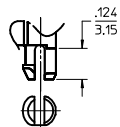
**Material Info**

**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                                                                |

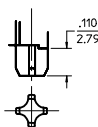
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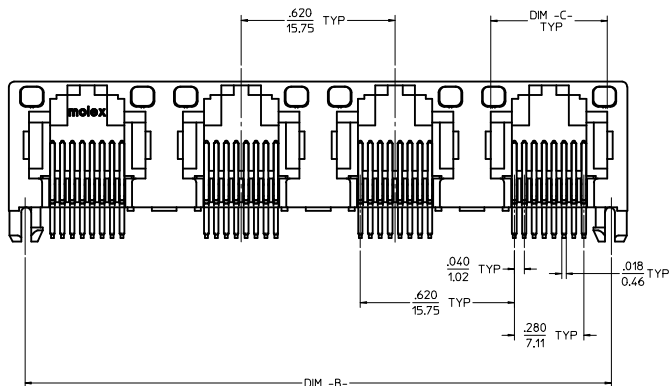
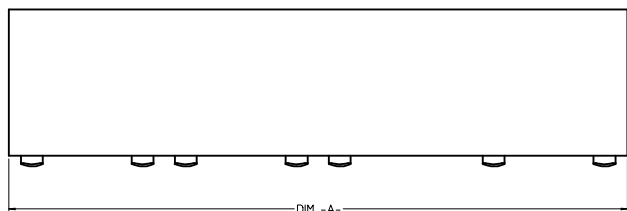
(SNAP-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8

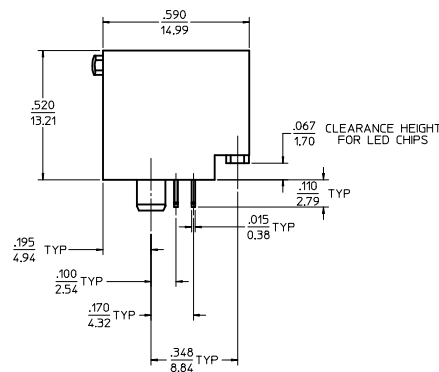


(PRESS-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8



UNSHIELDED  
WITH LIGHT PIPES



## 8 CIRCUIT HOUSING(S)

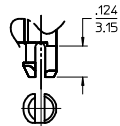
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|------------|
| 44248-0001               | 8                  | 2       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

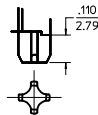
- NOTES:  
1) MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
LIGHT PIPES: POLYCARBONATE, UL-94V2, COLOR: CLEAR  
TERMINALS: PHOSPHOR BRONZE  
2) FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.  
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (1.27 MICROMETERS) MIN.  
\*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.  
3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.  
4) PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX PACKAGING  
SPECIFICATION PK-44248-004.  
5) APPLICATION SPECIFICATION: AS-43860-001  
6) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.  
7) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.  
8) MODJACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
THIS DRAWING SHOWS SNAP-FIT PEGS.  
9) PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5) AND (6).  
10) 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 | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED):               |  | DIMENSION STYLE                                                                                                               |          | SCALE                            | DESIGN UNITS |  THIRD ANGLE PROJECTION | TITLE |           |
|                                                                                                                                          |             |                               |                                                      |  | IN/MM                                                                                                                         |          | 4:1                              | INCH         |                                                                                                              |       |           |
|                                                                                                                                          |             |                               | mm INCH                                              |  | DRAWN BY                                                                                                                      | DATE     | GANGED INVERTED MODJACK ASSEMBLY |              |                                                                                                              |       |           |
|                                                                                                                                          |             |                               | 4 PLACES ±--- ±---                                   |  | CHECKED BY                                                                                                                    | DATE     |                                  |              |                                                                                                              |       |           |
|                                                                                                                                          |             |                               | 3 PLACES ±--- ±.010                                  |  | JROBERTS                                                                                                                      | 98/10/06 |                                  |              |                                                                                                              |       |           |
|                                                                                                                                          |             |                               | 2 PLACES ±0.25 ±---                                  |  | APPROVED BY                                                                                                                   | DATE     |                                  |              |                                                                                                              |       |           |
|                                                                                                                                          |             |                               | 1 PLACE ±--- ±---                                    |  | JROBERTS                                                                                                                      | 98/10/06 |                                  |              |                                                                                                              |       |           |
|                                                                                                                                          |             |                               | ANGULAR ±1/2°                                        |  | MATERIAL NO.                                                                                                                  |          | DOCUMENT NO.                     |              |                                                                                                              |       | SHEET NO. |
|                                                                                                                                          |             |                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SEE CHART                                                                                                                     |          | SD-44248-001                     |              |                                                                                                              |       | 1 OF 6    |
|                                                                                                                                          |             |                               | SIZE D                                               |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |                                  |              |                                                                                                              |       |           |



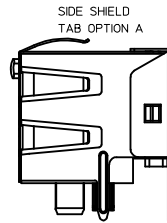
(SNAP-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8

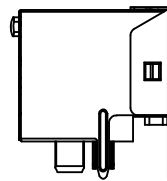


(PRESS-FIT PEG OPTION)

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 |

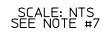
(6) CIRCUIT HOUSING(S)

| 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.

SHIELDED  
WITH LIGHT PIPES

|                                                                                                                                |                             |                                                         |  |                              |  |                                                                                                                               |                      |                        |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------|--|------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|
| 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 | 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                                                                                                             |                      |                        |
|                                                                                                                                |                             | 3 PLACES ±.010                                          |  | DATE<br>98/10/06             |  | CHECKED BY<br>JROBERTS                                                                                                        |                      |                        |
|                                                                                                                                |                             | 2 PLACES ±.025                                          |  | DATE<br>98/10/06             |  | APPROVED BY<br>JROBERTS                                                                                                       |                      |                        |
| 1 PLACE ±.010                                                                                                                  |                             | DATE<br>98/10/06                                        |  | MATERIAL NO.<br>SD-44248-001 |  |                                                                                                                               | SHEET NO.<br>2 OF 6  |                        |
| ANGULAR ±1/2°                                                                                                                  |                             | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |  | SEE CHART                    |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                        |



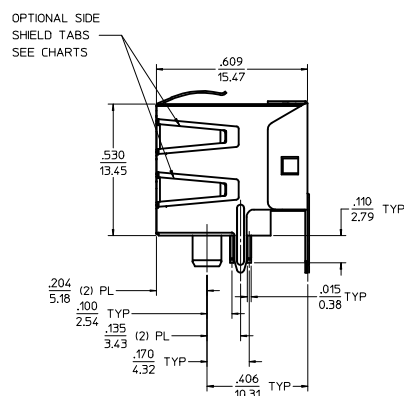
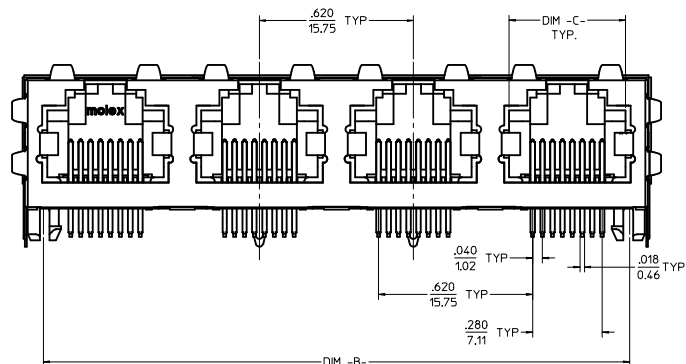
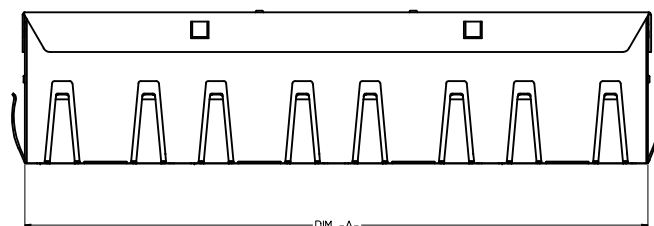
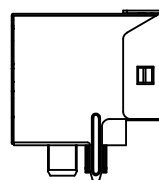
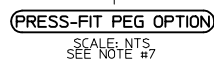
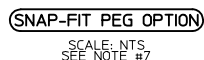
| 6 CIRCUIT HOUSING(S)     |                    |                 |           |             |             |           |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|-----------|
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | 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:
- 1) MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE
  - 2) FINISH:  
TERMINALS:  
SELECT GOLD IN CONTACT AREA: 50 MICRONS (127 MICROMETERS) MIN.,  
\* SELECT TIN IN PC TAIL AREA: 100 MICRONS (254 MICROMETERS) MIN.,  
WITH OVERALL NICKEL UNDERPLATE: 50 MICRONS (127 MICROMETERS) MIN.  
THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO ROHS  
DIRECTIVE 2002/95/EC AND ELV ANNEX 1 OF DIRECTIVE 2000/53/EC."  
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD  
IN THE PC TAILS.
  - 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
  - 4) PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX PACKAGING  
SPECIFICATION PK-44248-004.
  - 5) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.  
CONFORMS TO FORMS FOR REGULATION PART 85X FOR MODULAR JACKS.
  - 7) MODJACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
THIS DRAWING SHOWS SNAP-FIT PEGS.
  - 8) PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5) AND (6).
  - 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC  
SPECIFICATION PS-45499-002.

(UNSHIELDED)

|                    |                 |                                                      |                                       |                                                                                                                               |                                  |                        |
|--------------------|-----------------|------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------|
| SEE DETAIL 1<br>C4 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE<br><b>IN/MM</b>       | SCALE<br><b>4:1</b>                                                                                                           | DESIGN UNITS<br><b>INCH</b>      | THIRD ANGLE PROJECTION |
|                    | =0              | .mm .INCH                                            | DRAWN BY DATE<br>MAYOY 98/10/06       | TITLE                                                                                                                         | GANGED INVERTED MODJACK ASSEMBLY |                        |
|                    | =0              | 4 PLACES ± .000 ± .010                               | CHECKED BY DATE<br>JROBERTS 98/10/06  |                                                                                                                               |                                  |                        |
|                    |                 | 3 PLACES ± .000 ± .010                               | APPROVED BY DATE<br>JROBERTS 98/10/06 | MOLEX INCORPORATED                                                                                                            |                                  |                        |
|                    |                 | 2 PLACES ± 0.25 ± .010                               | MATERIAL NO.                          | DOCUMENT NO.                                                                                                                  | SD-44248-001                     |                        |
|                    |                 | 1 PLACE ± .000 ± .010                                | SIZE                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                  |                        |
| REV                | DESCRIPTION     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                       | SHEET NO.<br>3 OF 6                                                                                                           |                                  |                        |



| (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<br>MATERIAL NUMBER | NUMBER OF<br>CIRCUITS | NUMBER OF<br>PORTS | PEG<br>STYLE | SIDE SHIELD<br>TAB OPTION | DIM<br>-A-  | DIM<br>-B-  | DIM<br>-C- |
| 42248-0093                  | 6                     | 2                  | SNAP-FIT     | A                         | 1274/32.36  | 1120/28.45  | .389/9.88  |
| 42248-0094                  | 4                     | 2                  | SNAP-FIT     | A                         | 1274/32.36  | 1120/28.45  | .389/9.88  |
| 42248-0095                  | 6                     | 4                  | SNAP-FIT     | A                         | 2.514/63.86 | 2.360/59.94 | .389/9.88  |
| 42248-0096                  | 4                     | 4                  | SNAP-FIT     | A                         | 2.514/63.86 | 2.360/59.94 | .389/9.88  |
| 42248-0101                  | 6                     | 2                  | PRESS-FIT    | A                         | 1274/32.36  | 1120/28.45  | .389/9.88  |
| 42248-0102                  | 4                     | 2                  | PRESS-FIT    | A                         | 1274/32.36  | 1120/28.45  | .389/9.88  |
| 42248-0103                  | 6                     | 4                  | PRESS-FIT    | A                         | 2.514/63.86 | 2.360/59.94 | .389/9.88  |
| 42248-0104                  | 4                     | 4                  | PRESS-FIT    | A                         | 2.514/63.86 | 2.360/59.94 | .389/9.88  |

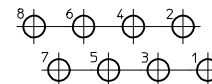
- NOTES:
- 1) MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE  
SHIELD: BRASS
  - 2) FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICRONS (127 MICROMETERS) MIN.  
\*SELECT TIN IN PCB TAIL AREA: 100 MICRONS (254 MICROMETERS) MIN.  
\*WITH OVERALL NICKEL UNDERPLATE: 50 MICRONS (127 MICROMETERS) MIN.  
SHIELD:  
\*100 MICRONS (254 MICROMETERS) NICKEL OVER 50 MICRONS (127 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 I OF DIRECTIVE 2000/53/EC".  
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE PCB TAILS AVOIDER SHIELD.
  - 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
  - 4) PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX PACKAGING SPECIFICATION PK-42248-004.  
5) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.  
6) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.  
7) MOD JACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
THIS DRAWING SHOWS SNAP-FIT PEGS.  
8) PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5 AND 6).  
9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-49-002.

SHIELDED

|                                                                                                                           |  |                                                                                                                               |  |                                                                                                                                                                |  |                                                                                                                      |  |                                                          |  |                                           |  |                                                                    |  |                  |  |
|---------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------|--|-------------------------------------------|--|--------------------------------------------------------------------|--|------------------|--|
| CHGD 0117 TO 0119<br>ECN NO. IJC2003-1482<br>DRAWING KLOSTENLER 2008/12/10<br>CHYKJ:BNH 2008/12/10<br>APPR:FSM 2008/12/10 |  | QUALITY SYMBOLS<br>▽=0<br>▽=0                                                                                                 |  | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± .025 ± ---<br>1 PLACE ± ± ---<br>ANGULAR ±1/2° |  | DIMENSION STYLE<br>IN/MM<br>DRAWN BY MMYAO 98/10/06<br>CHECKED BY JROBERTS 98/10/06<br>APPROVED BY JROBERTS 98/10/06 |  | SCALE 4:1<br>DESIGN UNITS INCH<br>THIRD ANGLE PROJECTION |  | TITLE<br>GANGED INVERTED MODJACK ASSEMBLY |  | MOLEX MOLEX INCORPORATED<br>MATERIAL NO. DOCUMENT NO. SD-44248-001 |  | SHEET NO. 4 OF 6 |  |
| DRAFT WHERE APPLICABLE 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 |



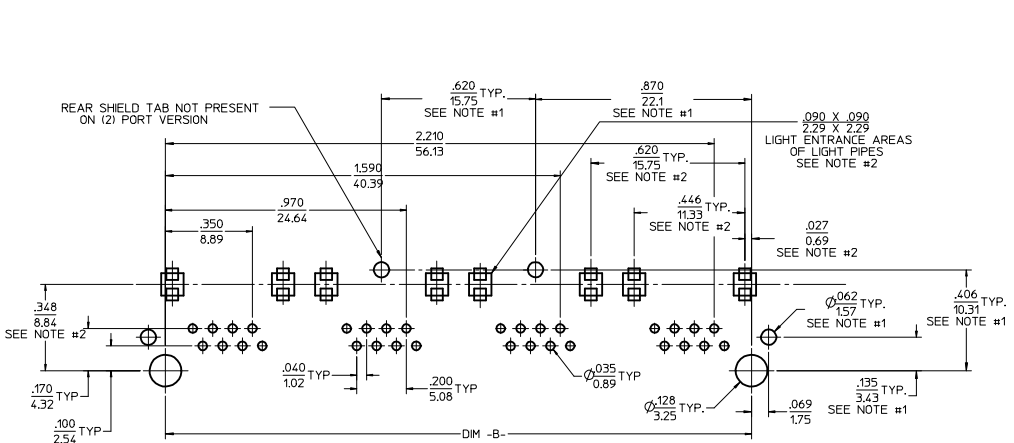
TYPICAL PC TERMINAL HOLE LAYOUT  
(8) CIRCUIT CONFIGURATION  
SCALE: 10:1

NOTES:

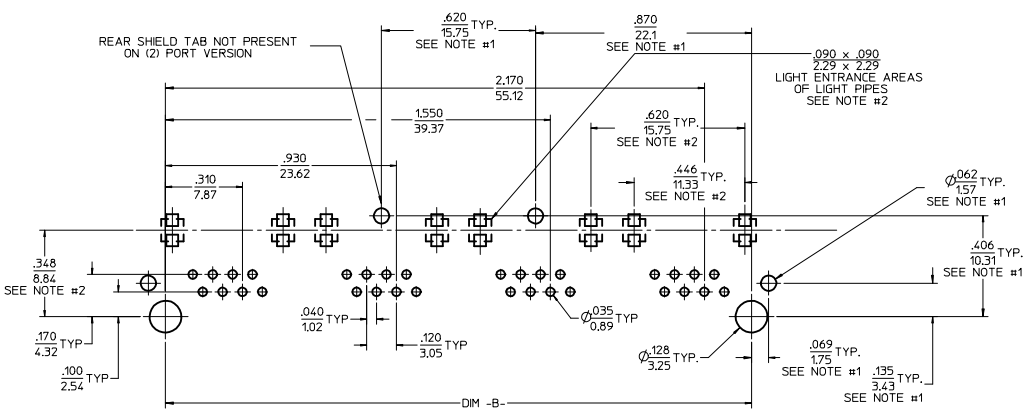
- 1) DIMENSIONS MARKED "SEE NOTE #1" REFER TO ASSEMBLIES WITH THE SHIELDING OPTION INCLUDED
- 2) DIMENSIONS MARKED "SEE NOTE #2" REFER TO ASSEMBLIES WITH THE LIGHT PIPE OPTION INCLUDED
- 3) FOR CROSS REFERENCE OF RECOMMENDED LEDS SEE MOLEX WEB SITE.

|                                                                                                                                                       |                                                                                          |                                                            |               |                 |                                                 |                                                                                                                                  |              |                        |                                                          |  |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------|-----------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|----------------------------------------------------------|--|---------------------|
| <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><div>▽=0</div><div>▽=0.010</div><div>▽=0.25</div><div>▽=0.05</div></div></div> | mm                                                         | INCH          | DRAWN BY        | DATE                                            | TITLE                                                                                                                            | 4:1          | INCH                   | <div><div></div><div></div></div> THIRD ANGLE PROJECTION |  |                     |
|                                                                                                                                                       |                                                                                          | 4 PLACES ±.005                                             | MMAYO         | 98/10/06        | GANGED INVERTED<br>MODJACK ASSEMBLY             |                                                                                                                                  |              |                        |                                                          |  |                     |
|                                                                                                                                                       |                                                                                          | 3 PLACES ±.010                                             | CHECKED BY    | DATE            |                                                 |                                                                                                                                  |              |                        |                                                          |  |                     |
|                                                                                                                                                       |                                                                                          | 2 PLACES ±0.25                                             | JROBERTS      | 98/10/06        | <div><div></div></div> MOLEX MOLEX INCORPORATED |                                                                                                                                  |              |                        |                                                          |  |                     |
|                                                                                                                                                       |                                                                                          | 1 PLACE ±.05                                               | APPROVED BY   | DATE            |                                                 |                                                                                                                                  |              |                        |                                                          |  |                     |
|                                                                                                                                                       |                                                                                          |                                                            | ANGULAR ±1/2° | JROBERTS        | 98/10/06                                        | <div><div></div></div> MATERIAL NO. N/A<br>DOCUMENT NO. SD-44248-001                                                             |              |                        |                                                          |  |                     |
|                                                                                                                                                       |                                                                                          |                                                            |               |                 |                                                 |                                                                                                                                  |              |                        |                                                          |  |                     |
|                                                                                                                                                       |                                                                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |               |                 | SIZE                                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |                                                          |  | SHEET NO.<br>5 OF 6 |
|                                                                                                                                                       |                                                                                          |                                                            |               |                 |                                                 |                                                                                                                                  |              |                        |                                                          |  |                     |

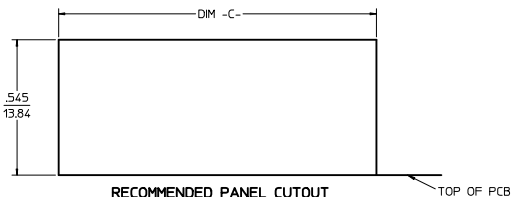
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



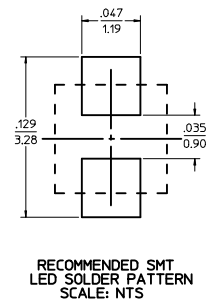
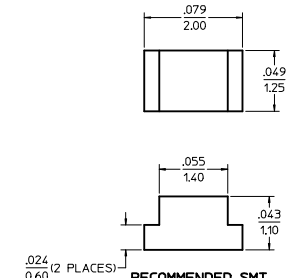
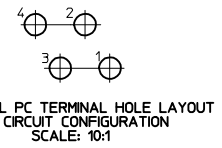
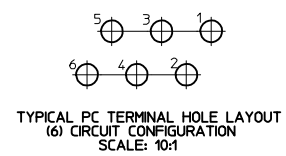
6 CIRCUIT PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062/157  
TOLERANCE ±.003/076 UNLESS OTHERWISE SPECIFIED



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>EC. NO. UCF2009-4482<br>CHKD: MCLUSTERE<br>CHKD: BELL<br>APPROV: JTH | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE                                                                                                               |          | SCALE                               | DESIGN UNITS | THIRD ANGLE PROJECTION |  |
|                                                                                     |                 |                                                            |       | IN/MM                                                                                                                         |          | 4:1                                 | INCH         |                        |  |
|                                                                                     | ▽=0             | mm                                                         | INCH  | DRAWN BY                                                                                                                      | DATE     | GANGED INVERTED<br>MODJACK ASSEMBLY |              |                        |  |
|                                                                                     | ▽=0             | 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     | MOLEX INCORPORATED                  |              |                        |  |
|                                                                                     |                 |                                                            |       | JROBERTS                                                                                                                      | 98/10/06 |                                     |              |                        |  |
|                                                                                     |                 | ANGULAR ±1/2°                                              |       | MATERIAL NO.                                                                                                                  |          |                                     |              |                        |  |
|                                                                                     |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | N/A                                                                                                                           |          | SD-44248-001                        |              | 6 OF 6                 |  |
|                                                                                     |                 |                                                            | SIZE  | 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

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