

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

**Part Number:** [0442480090](#)  
**Status:** **Active**  
**Overview:** [modular\\_plugs\\_jacks](#)  
**Description:** Modular Jack, Right Angle, Low Profile, Inverted, 8/8, 4 Ports

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

**Agency Certification**

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

**General**

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

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Boot Color                     | N/A                      |
| Color - Resin                  | Black                    |
| 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                          | 4                        |
| 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                      |

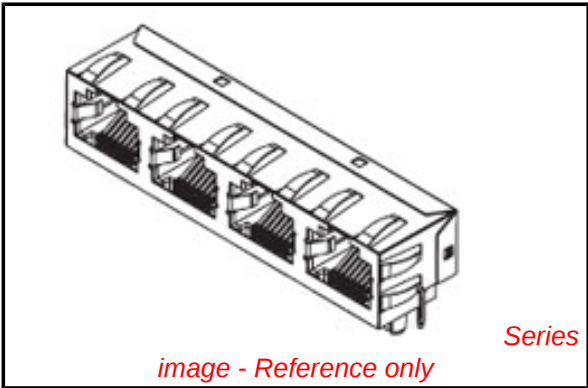


image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**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) |
|------------------------------|------------------------|

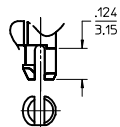
**Material Info**

**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                                                                |

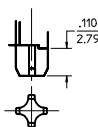
This document was generated on 06/08/2010

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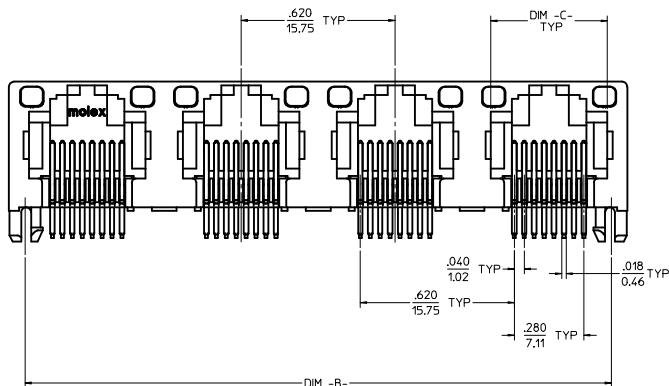
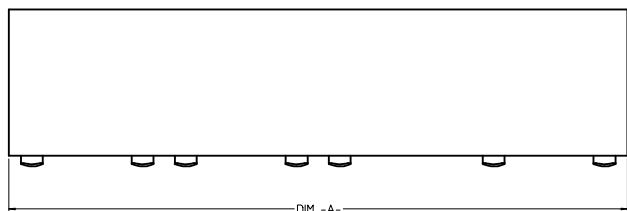
(SNAP-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8

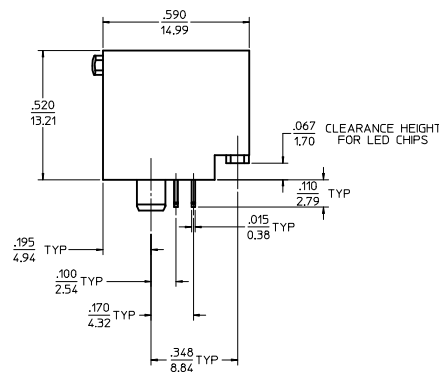


(PRESS-FIT PEG OPTION)

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 |

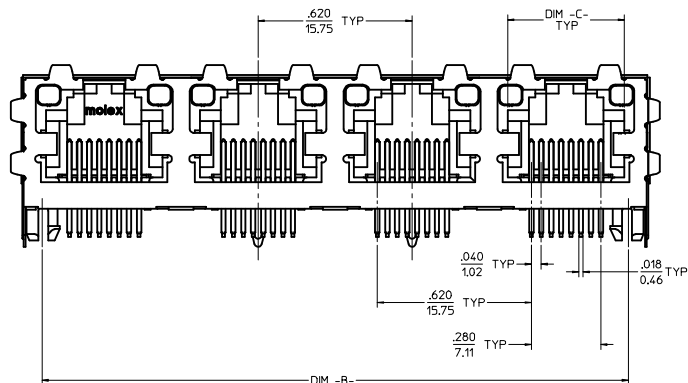
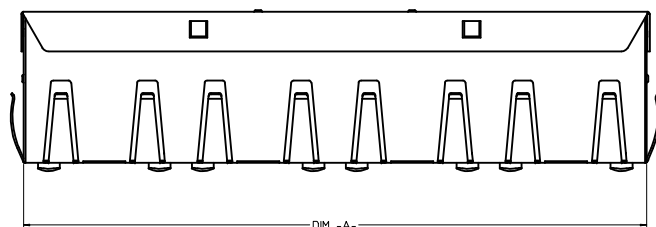
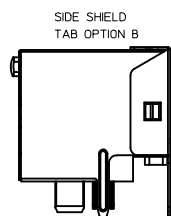
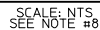
## 6 CIRCUIT HOUSING(S)

| 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:  
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 (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.  
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.

|                                                                                                                                                  |                               |                                       |  |                                  |  |                           |                      |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|--|----------------------------------|--|---------------------------|----------------------|------------------------|
| 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: SMTH 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 98/10/06 |                      |                        |
|                                                                                                                                                  |                               | 4 PLACES ±---                         |  | ±---                             |  | DATE<br>98/10/06          |                      |                        |
|                                                                                                                                                  |                               | 3 PLACES ±---                         |  | ±.010                            |  | DATE<br>98/10/06          |                      |                        |
| 2 PLACES ±0.25                                                                                                                                   |                               | ±---                                  |  | APPROVED BY<br>JROBERTS 98/10/06 |  |                           |                      |                        |
| 1 PLACE ±---                                                                                                                                     |                               | ±---                                  |  | DATE<br>98/10/06                 |  |                           |                      |                        |
| ANGULAR ±1/2°                                                                                                                                    |                               |                                       |  | MATERIAL NO.<br>SEE CHART        |  |                           |                      |                        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                       |                               |                                       |  | DOCUMENT NO.<br>SD-44248-001     |  |                           |                      |                        |
|                                                                                                                                                  |                               |                                       |  | SHEET NO.<br>1 OF 6              |  |                           |                      |                        |

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SHIELDED  
WITH LIGHT PIPES

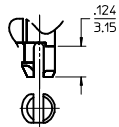
| (8) CIRCUIT HOUSING(S)   |                    |                 |           |                        |             |             |            |
|--------------------------|--------------------|-----------------|-----------|------------------------|-------------|-------------|------------|
| ASSEMBLY 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:

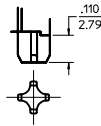
- 1) MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
LIGHT PIPES: POLYCARBONATE, UL-94V2, COLOR: CLEAR  
TERMINALS: PHOSPHOR BRONZE  
SHIELD: BRASS
- 2) FINISH:  
TERMINALS:  
• SELECT GOLD IN CONTACT AREA: 50 MICRONS (127 MICROMETERS) MIN.  
• SELECT TIN IN PC TAIL AREA: 100 MICRONS (254 MICROMETERS) MIN.  
• 100% OVERALL NICKEL UNDERPLATE: 50 MICRONS (127 MICROMETERS) MIN.  
SHIELD:  
• 100 MICRONS (254 MICROMETERS) NICKEL OVER 50 MICRONS (127 MICROMETERS) COPPER UNDER PLATE  
• THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX I OF DIRECTIVE 2000/53/EC"  
• PORTIONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE PC TAILS AND/OR SHIELD.
- 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-A3660-003.
- 4) PACKAGING SPECIFICATION:  
CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX PACKAGING SPECIFICATION PK-44248-004.
- 5) APPLICATION SPECIFICATION: AS-A3660-001
- 6) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
- 7) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
- 8) MODULAR JACKS 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-A4299-002.

|                                                                                                                                                                                             |                               |                                                      |       |                 |                                                                                                                               |              |                                  |                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------|-------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------|------------------------|--|
| <div>SEE SHEET 1</div> <div>EC NO: UCT2009-4482</div> <div>DRAWING: MOLEXPTEC LER 2008/12/10</div> <div>CHKD: BELL</div> <div>APPR: SMITH</div> <div>2008/12/10</div> <div>2008/12/10</div> | QUALITY SYMBOLS               | GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | DIMENSION STYLE |                                                                                                                               | SCALE        | DESIGN UNITS                     | THIRD ANGLE PROJECTION |  |
|                                                                                                                                                                                             | <div>▽=0</div> <div>▽=0</div> | mm                                                   | INCH  | IN/MM           |                                                                                                                               | 4:1          | INCH                             |                        |  |
|                                                                                                                                                                                             |                               | 4 PLACES ±                                           | ±     | DRAWN BY        |                                                                                                                               | DATE         | TITLE                            |                        |  |
|                                                                                                                                                                                             |                               | 3 PLACES ±                                           | ±.010 | MAYAY           |                                                                                                                               | 98/10/06     | GANGED INVERTED MODJACK ASSEMBLY |                        |  |
|                                                                                                                                                                                             |                               | 2 PLACES ±                                           | ±.025 | CHECKED BY      |                                                                                                                               | DATE         |                                  |                        |  |
|                                                                                                                                                                                             |                               | 1 PLACE ±                                            | ±     | JROBERTS        |                                                                                                                               | 98/10/06     |                                  |                        |  |
|                                                                                                                                                                                             |                               | ANGULAR ±1/2°                                        |       | APPROVED BY     |                                                                                                                               | DATE         |                                  |                        |  |
|                                                                                                                                                                                             |                               |                                                      |       | JROBERTS        |                                                                                                                               | 98/10/06     |                                  |                        |  |
|                                                                                                                                                                                             |                               |                                                      |       | MATERIAL NO.    |                                                                                                                               | DOCUMENT NO. |                                  |                        |  |
|                                                                                                                                                                                             |                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | SEE CHART       |                                                                                                                               | SD-44248-001 |                                  | SHEET NO.              |  |
|                                                                                                                                                                                             |                               |                                                      | SIZE  |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              | 2 OF 6                           |                        |  |



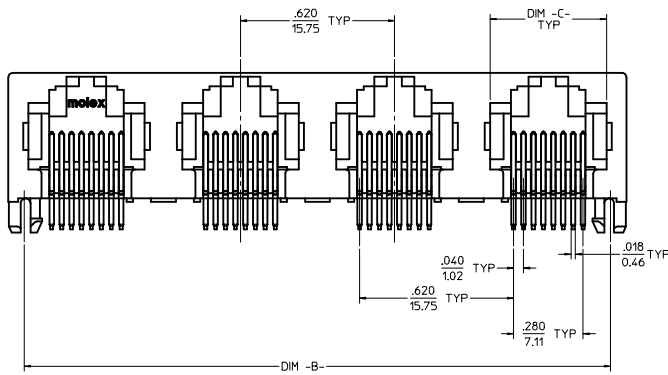
SNAP-FIT PEG OPTION

SCALE: NTS.  
SEE NOTE #7



PRESS-FIT PEG OPTION

SCALE: NTS.  
SEE NOTE #7



UNSHIELDED

## 8 CIRCUIT HOUSING(S)

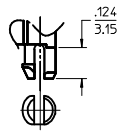
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|------------|
| 44248-0057               | 8                  | 2               | 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 |

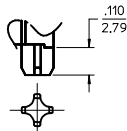
- NOTES:
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE
  - FINISH:  
TERMINALS:  
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.  
WITH OVERALL NICKEL 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.
  - MODJACKS AVAILABLE WITH EITHER SNAP-FIT OR PRESS-FIT PEGS.  
THIS DRAWING SHOWS SNAP-FIT PEGS.
  - PCB LAYOUT AND PANEL CUT-OUT SHOWN ON SHEETS (5) AND (6).
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

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



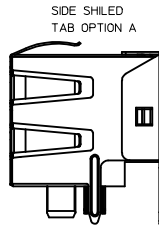
SNAP-FIT PEG OPTION

SCALE: NTS  
SEE NOTE #7

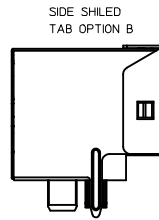


PRESS-FIT PEG OPTION

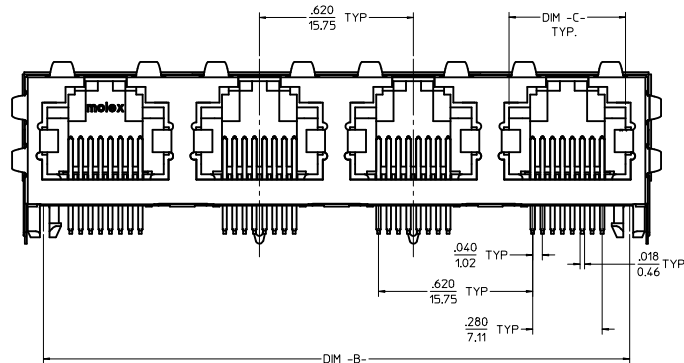
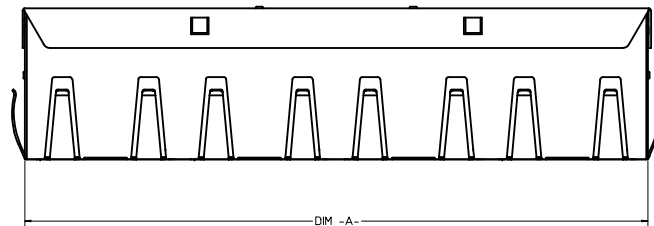
SCALE: NTS  
SEE NOTE #7



SIDE SHIELDED  
TAB OPTION A

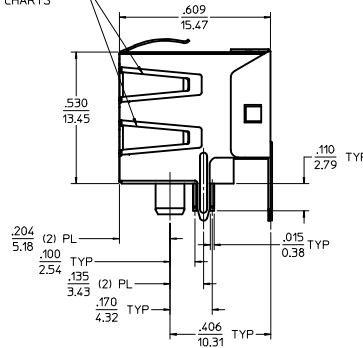


SIDE SHIELDED  
TAB OPTION B



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)

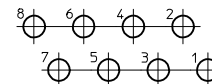
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | SIDE SHIELD TAB OPTION | DIM -A-     | DIM -B-     | DIM -C-   |
|--------------------------|--------------------|-----------------|-----------|------------------------|-------------|-------------|-----------|
| 44248-0093               | 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<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 |
|                                                                                                                                                     |                             | 4 PLACES ±.005<br>3 PLACES ±.010<br>2 PLACES ±.025<br>1 PLACE ±.050 |  | DRAWN BY<br>MMAYO<br>8/10/06      |  | TITLE<br>GANGED INVERTED<br>MODJACK ASSEMBLY |                      |                        |
|                                                                                                                                                     |                             | ANGULAR ±1/2°                                                       |  | CHECKED BY<br>JROBERTS<br>8/10/06 |  | APPROVED BY<br>JROBERTS<br>8/10/06           |                      |                        |
|                                                                                                                                                     |                             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS          |  | MATERIAL NO.<br>SEE CHART         |  | DOCUMENT NO.<br>SD-44248-001                 |                      | SHEET NO.<br>4 OF 6    |



| 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 |



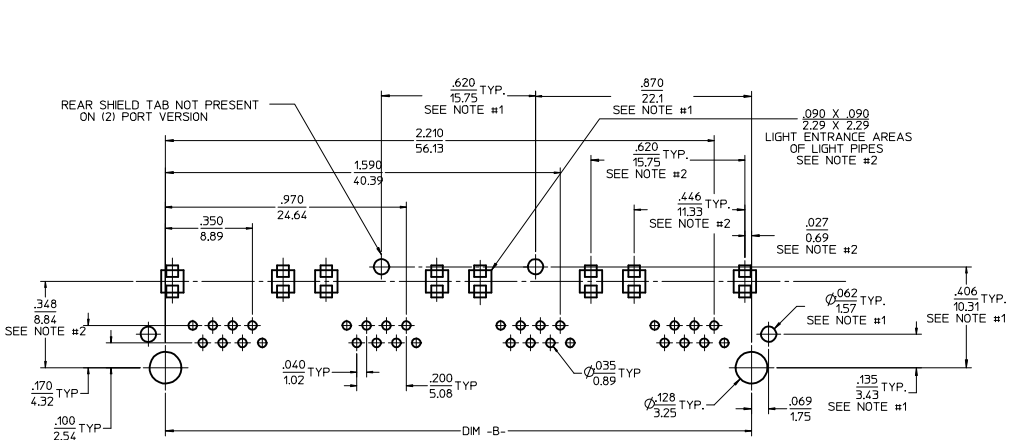
TYPICAL PC TERMINAL HOLE LAYOUT  
(8) CIRCUIT CONFIGURATION  
SCALE: 10:1

NOTES:

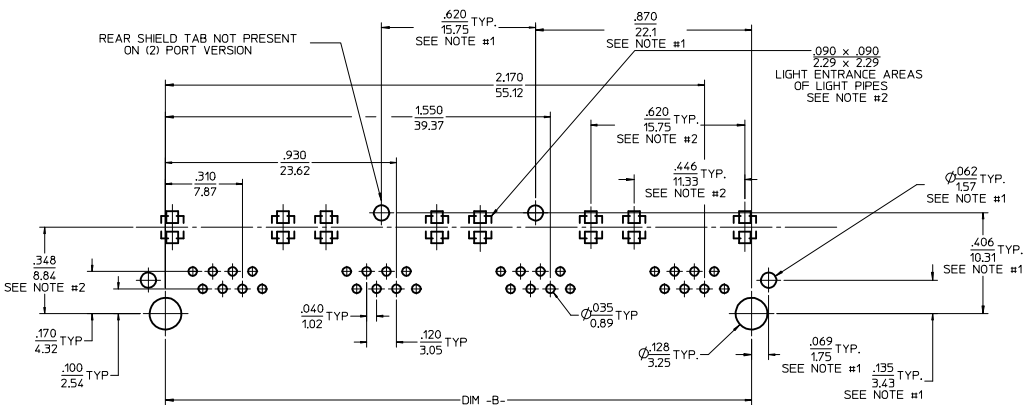
- 1) DIMENSIONS MARKED "SEE NOTE #1" REFER TO ASSEMBLIES WITH THE SHIELDING OPTION INCLUDED
- 2) DIMENSIONS MARKED "SEE NOTE #2" REFER TO ASSEMBLIES WITH THE LIGHT PIPE OPTION INCLUDED
- 3) FOR CROSS REFERENCE OF RECOMMENDED LEDS SEE MOLEX WEB SITE.

|                                                                                                                                                                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |                                              |                              |                          |                      |                                                                                                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------|--------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|--|
| <div>SEE SHEET 1</div> <div>EC NO: UC2P009-4482</div> <div>DRAWING: M0507E (EP 2008/12/10)</div> <div>CHKD: BELL</div> <div>APPR: HILL</div> <div>2008/12/10</div> <div>2008/12/10</div> | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                       | DIMENSION STYLE<br>IN/MM                     |                              | SCALE<br>4:1             | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION |  |
|                                                                                                                                                                                          | DESCRIPTION     | <div><div> 0</div><div>4 PLACES <math>\pm</math> mm <math>\pm</math> INCH</div></div> <div><div> 0</div><div>3 PLACES <math>\pm</math> <math>\pm</math> .010</div></div> <div><div>2 PLACES <math>\pm</math> 0.25 <math>\pm</math></div><div>1 PLACE <math>\pm</math> <math>\pm</math></div></div> <div>ANGULAR <math>\pm 1/2^\circ</math></div> | <div>DRAWN BY<br/>MAYO<br/>DATE<br/>98/10/06</div> <div>CHECKED BY<br/>JROBERTS<br/>DATE<br/>98/10/06</div> <div>APPROVED BY<br/>JROBERTS<br/>DATE<br/>98/10/06</div> | TITLE<br>GANGED INVERTED<br>MODJACK ASSEMBLY |                              | MOLEX MOLEX INCORPORATED |                      |                                                                                                                 |  |
|                                                                                                                                                                                          | REV             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MATERIAL NO.<br>N/A                                                                                                                                                   |                                              | DOCUMENT NO.<br>SD-44248-001 |                          | SHEET NO.<br>5 OF 6  |                                                                                                                 |  |
|                                                                                                                                                                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                      |                                              |                              |                          |                      |                                                                                                                 |  |
|                                                                                                                                                                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |                                              |                              |                          |                      |                                                                                                                 |  |

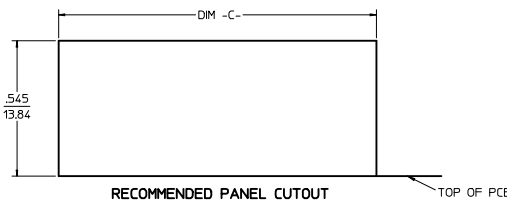
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



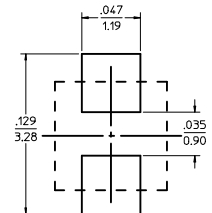
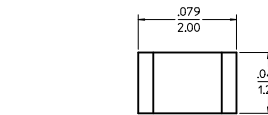
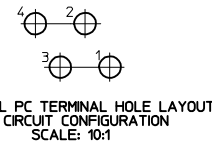
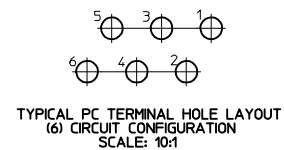
6 CIRCUIT PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062/.157  
TOLERANCE ±.003/.076 UNLESS OTHERWISE SPECIFIED



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



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



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

|                                                                                                                      |                 |                                                            |       |                 |          |                                                                                                                                  |                                     |                        |  |
|----------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------|-------|-----------------|----------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2005-1482<br>DRAWN: KLOSTENE ER 2008/12/10<br>CHKD: BELL 2008/12/10<br>APPR: FSH 2008/12/10 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE |          | SCALE                                                                                                                            | DESIGN UNITS                        | THIRD ANGLE PROJECTION |  |
|                                                                                                                      |                 |                                                            | mm    | INCH            | IN/MM    |                                                                                                                                  | 4:1                                 | INCH                   |  |
|                                                                                                                      | ▽=0             | 4 PLACES ±---                                              | ±---  | MMAYO           | DATE     | TITLE                                                                                                                            | GANGED INVERTED<br>MODJACK ASSEMBLY |                        |  |
|                                                                                                                      | ▽=0             | 3 PLACES ±---                                              | ±.010 | CHECKED BY      | DATE     |                                                                                                                                  |                                     |                        |  |
|                                                                                                                      |                 | 2 PLACES ±0.25                                             | ±---  | JROBERTS        | 98/10/06 |                                                                                                                                  |                                     |                        |  |
| EV                                                                                                                   |                 | 1 PLACE ±---                                               | ±---  | APPROVED BY     | DATE     |                                                                                                                                  |                                     |                        |  |
|                                                                                                                      |                 | ANGULAR ±1/2°                                              |       | JROBERTS        | 98/10/06 | MOLEX INCORPORATED                                                                                                               |                                     |                        |  |
|                                                                                                                      |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | MATERIAL NO.    |          | DOCUMENT NO.                                                                                                                     |                                     | SHEET NO.              |  |
|                                                                                                                      |                 |                                                            |       | N/A             |          | SD-44248-001                                                                                                                     |                                     | 6 OF 6                 |  |
|                                                                                                                      |                 |                                                            |       | SIZE            |          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE RE-USED WITHOUT WRITTEN PERMISSION |                                     |                        |  |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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[www.lifeelectronics.ru](http://www.lifeelectronics.ru)