

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

**Part Number:** [0442480058](#)  
**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**

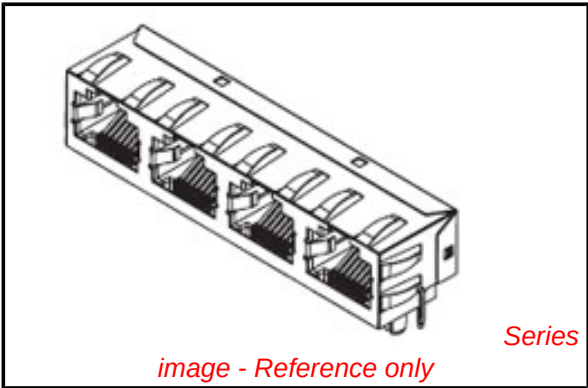
CSA LR19980  
UL E107635

**General**

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

**Physical**

Boot Color N/A  
Color - Resin Black  
Durability (mating cycles max) 500  
Flammability 94V-0  
Inverted / Top Latch Yes  
Lightpipes/LEDs None  
Material - Metal Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin Polyester  
Orientation Right Angle (Side Entry)  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.57 mm  
Packaging Type Tray  
Panel Mount With Flange  
Pitch - Mating Interface (in) 0.040 In  
Pitch - Mating Interface (mm) 1.02 mm  
Pitch - Term. Interface (in) 0.040 In  
Pitch - Term. Interface (mm) 1.02 mm  
Plating min: Mating (µin) 50  
Plating min: Mating (µm) 1.25  
Plating min: Termination (µin) 100  
Plating min: Termination (µm) 2.5  
Ports 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



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



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

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

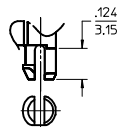
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

|                                                |                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------|
| Wire/Cable Type                                | N/A                                                                         |
| <b>Electrical</b>                              |                                                                             |
| Current - Maximum per Contact                  | 1.5A                                                                        |
| Grounding to PCB                               | No                                                                          |
| Shielded                                       | No                                                                          |
| Voltage - Maximum                              | 150V AC (RMS)                                                               |
| <b>Solder Process Data</b>                     |                                                                             |
| Duration at Max. Process Temperature (seconds) | 5                                                                           |
| Lead-free Process Capability                   | Wave Capable (TH only)                                                      |
| Max. Cycles at Max. Process Temperature        | 1                                                                           |
| Process Temperature max. C                     | 260                                                                         |
| <b>Material Info</b>                           |                                                                             |
| <b>Reference - Drawing Numbers</b>             |                                                                             |
| 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                                                                |

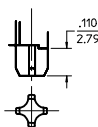
This document was generated on 06/08/2010

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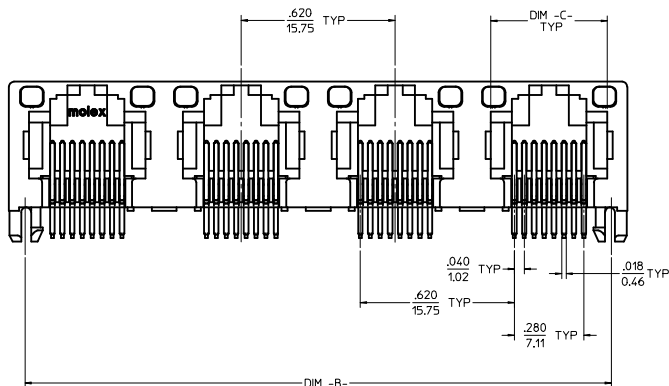
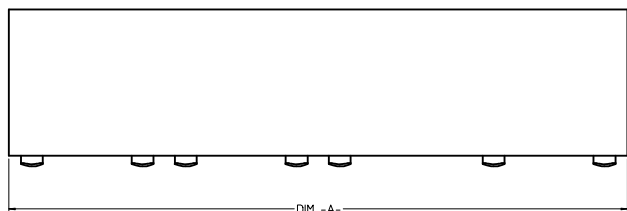
(SNAP-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8

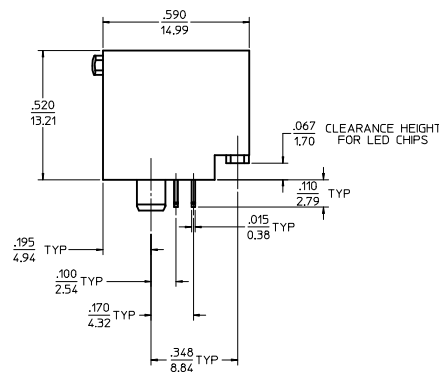


(PRESS-FIT PEG OPTION)

SCALE: NTS  
SEE NOTE #8



UNSHIELDED  
WITH LIGHT PIPES



## 8 CIRCUIT HOUSING(S)

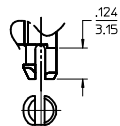
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|------------|
| 44248-0001               | 8                  | 2       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

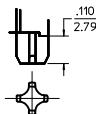
- NOTES:  
1) MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
LIGHT PIPES: POLYCARBONATE, UL-94V2, COLOR: CLEAR  
TERMINALS: PHOSPHOR BRONZE  
2) FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100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

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



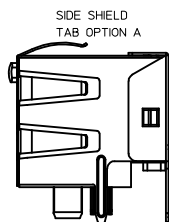
SNAP-FIT PEG OPTION

SCALE: NTS  
SEE NOTE #8

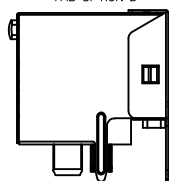


PRESS-FIT PEG OPTION

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)

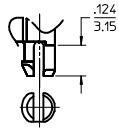
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | SIDE SHIELD TAB OPTION | DIM -A-     | DIM -B-     | DIM -C-   |
|--------------------------|--------------------|-----------------|-----------|------------------------|-------------|-------------|-----------|
| 44248-0037               | 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 (254 MICROMETERS) MIN.  
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (127 MICROMETERS) MIN.  
SHIELD:  
\*100 MICROINCHES (254 MICROMETERS) NICKEL OVER 50 MICROINCHES (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 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.

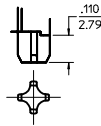
SHIELDED  
WITH LIGHT PIPES

|                                                                                                                                   |                               |             |                                                           |                   |                           |       |                                                                                                                                  |              |                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|-----------------------------------------------------------|-------------------|---------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2009-1482<br>DRAWN: KLOSTERER 2008/12/10<br>CHKD: BELL 2008/12/10<br>APPR: SMITH 2008/12/10<br>REV<br>C4 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED):                    |                   | DIMENSION STYLE           |       | SCALE                                                                                                                            | DESIGN UNITS | THIRD ANGLE PROJECTION |  |
|                                                                                                                                   |                               |             |                                                           |                   | IN/MM                     |       | 4:1                                                                                                                              | INCH         |                        |  |
|                                                                                                                                   |                               |             |                                                           |                   | DATE                      | TITLE | GANGED INVERTED<br>MODJACK ASSEMBLY                                                                                              |              |                        |  |
|                                                                                                                                   |                               |             | 4 PLACES ±.---                                            |                   | MMAYO 98/10/06            |       |                                                                                                                                  |              |                        |  |
|                                                                                                                                   |                               |             | 3 PLACES ±.---                                            |                   | CHECKED BY                | DATE  |                                                                                                                                  |              |                        |  |
|                                                                                                                                   |                               |             | JROBERTS 98/10/06                                         |                   |                           |       |                                                                                                                                  |              |                        |  |
|                                                                                                                                   |                               |             | 2 PLACES ±.025                                            | APPROVED BY       | DATE                      |       |                                                                                                                                  |              |                        |  |
|                                                                                                                                   |                               |             | 1 PLACE ±.---                                             | JROBERTS 98/10/06 |                           |       |                                                                                                                                  |              |                        |  |
|                                                                                                                                   |                               |             | ANGULAR ±1/2°                                             |                   |                           |       |                                                                                                                                  |              |                        |  |
|                                                                                                                                   |                               |             | DRAFT WHEN APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                   | MATERIAL NO.<br>SEE CHART |       | DOCUMENT NO.<br>SD-44248-001                                                                                                     |              | SHEET NO.<br>2 OF 6    |  |
|                                                                                                                                   |                               |             |                                                           |                   | SIZE<br>D                 |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |  |



SNAP-FIT PEG OPTION

SCALE: NTS  
SEE NOTE #7



PRESS-FIT PEG OPTION

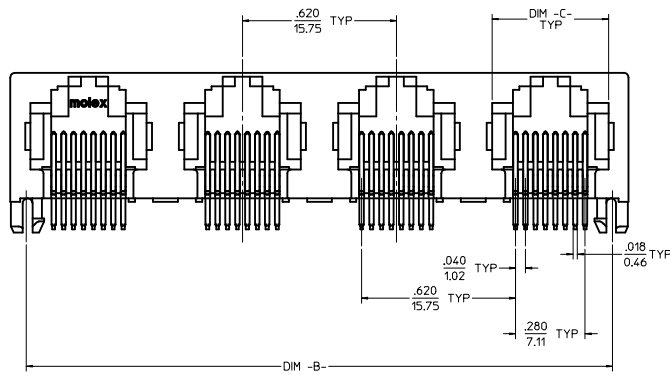
SCALE: NTS  
SEE NOTE #7

## 8 CIRCUIT HOUSING(S)

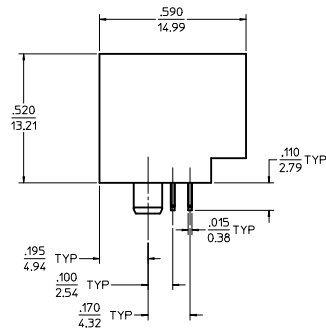
| ASSEMBLY MATERIAL NUMBER | NUMBER OF CIRCUITS | NUMBER OF PORTS | PEG STYLE | DIM -A-     | DIM -B-     | DIM -C-    |
|--------------------------|--------------------|-----------------|-----------|-------------|-------------|------------|
| 44248-0057               | 8                  | 2       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

## 6 CIRCUIT HOUSING(S)

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

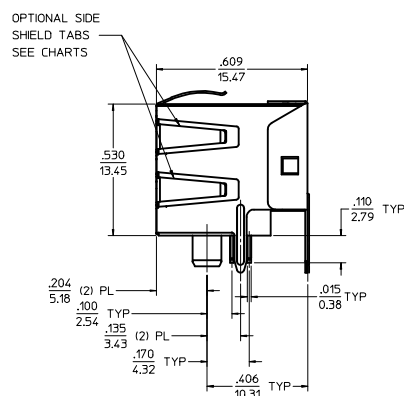
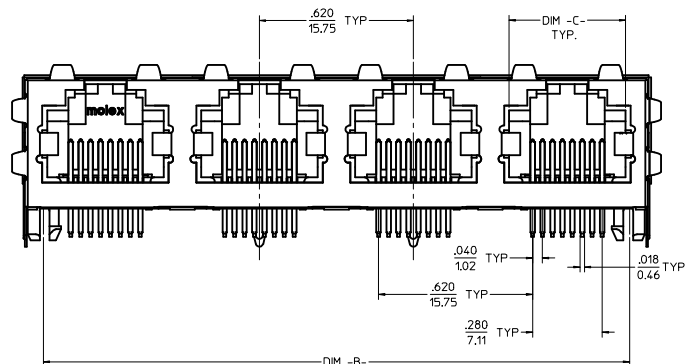
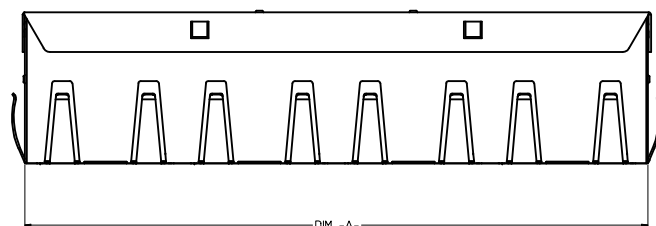
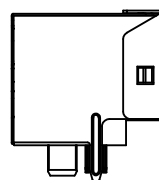
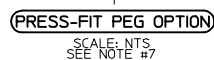
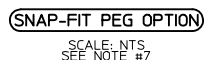


UNSHIELDED



- NOTES:
- MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE
  - FINISH:  
TERMINALS:  
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (127 MICROMETERS) MIN.  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.  
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (127 MICROMETERS) MIN.  
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CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD  
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  - PACKAGING SPECIFICATION:  
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  - 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 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                   |  | DIMENSION STYLE<br>IN/MM                                                                         |  | SCALE<br>4:1                                 | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |
|                                                                                                                                     |                               | 4 PLACES ± .010<br>3 PLACES ± .010<br>2 PLACES ± 0.25<br>1 PLACE ± .010 |  | DRAWN BY<br>MAYO 98/10/06<br>CHECKED BY<br>JROBERTS 98/10/06<br>APPROVED BY<br>JROBERTS 98/10/06 |  | TITLE<br>GANGED INVERTED<br>MODJACK ASSEMBLY |                      |                        |
|                                                                                                                                     |                               | ANGULAR ±1/2°                                                           |  | MATERIAL NO.<br>SEE CHART                                                                        |  | MOLEX INCORPORATED                           |                      |                        |
|                                                                                                                                     |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS              |  | SIZE<br>D                                                                                        |  | DOCUMENT NO.<br>SD-44248-001                 |                      |                        |
|                                                                                                                                     |                               |                                                                         |  |                                                                                                  |  |                                              |                      | 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  |

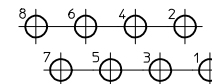
- NOTES:
- 1) MATERIAL:  
HOUSING: POLYESTER(PBT), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE  
SHIELD: BRASS
  - 2) FINISH:  
TERMINALS:  
\*SELECT GOLD IN CONTACT AREA: 50 MICRONS (127 MICROMETERS) MIN.  
\*SELECT TIN IN PCB TAIL AREA: 100 MICRONS (254 MICROMETERS) MIN.  
\*WITH 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. SEE CHART<br>DOCUMENT NO. SD-44248-001 |  | SHEET NO. 4 OF 6 |  |
| REV                                                                                                                       |  | DESCRIPTION                   |  | 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 |



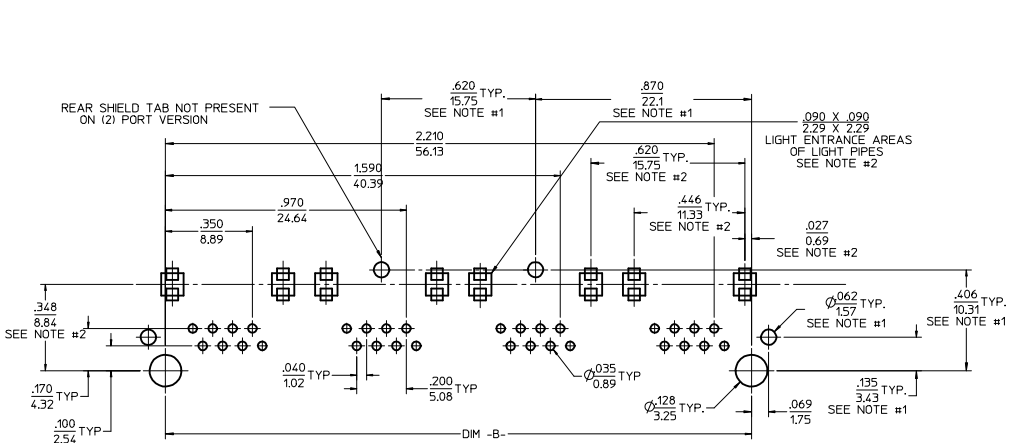
TYPICAL PC TERMINAL HOLE LAYOUT  
(8) CIRCUIT CONFIGURATION  
SCALE: 10:1

NOTES:

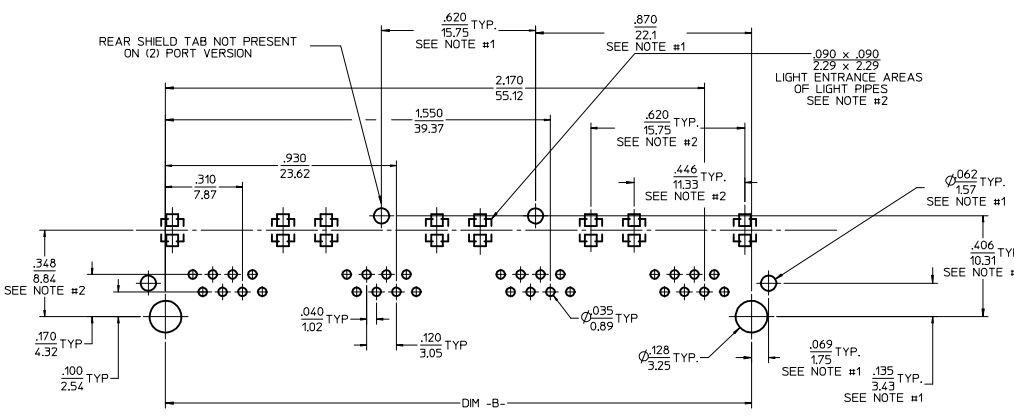
- 1) DIMENSIONS MARKED "SEE NOTE #1" REFER TO ASSEMBLIES WITH THE SHIELDING OPTION INCLUDED
- 2) DIMENSIONS MARKED "SEE NOTE #2" REFER TO ASSEMBLIES WITH THE LIGHT PIPE OPTION INCLUDED
- 3) FOR CROSS REFERENCE OF RECOMMENDED LEDS SEE MOLEX WEB SITE.

|                                                                                                                                                           |                                                       |                                       |                                                            |                 |              |                                                                                                                                  |                                                                                       |                        |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------|------------------------------------------------------------|-----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|--|--|
| <div>SEE SHEET 1</div> <div>EC NO: UCP2005-1482</div> <div>DRAWING: MOLEX EMI EBR 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>▽=0.05</div></div></div> | mm                                    | INCH                                                       | DRAWN BY        | DATE         | TITLE                                                                                                                            | 4:1                                                                                   | INCH                   |  |  |
|                                                                                                                                                           |                                                       | 4 PLACES ±.005                        | 1/16                                                       | MMAYO           | 98/10/06     | GANGED INVERTED<br>MODJACK ASSEMBLY                                                                                              |                                                                                       |                        |  |  |
|                                                                                                                                                           |                                                       | 3 PLACES ±.010                        |                                                            | CHECKED BY      | DATE         |                                                                                                                                  |                                                                                       |                        |  |  |
|                                                                                                                                                           |                                                       | 2 PLACES ±.025                        |                                                            | JROBERTS        | 98/10/06     |                                                                                                                                  |                                                                                       |                        |  |  |
|                                                                                                                                                           |                                                       | 1 PLACE ±.050                         |                                                            | APPROVED BY     | DATE         |                                                                                                                                  |                                                                                       |                        |  |  |
|                                                                                                                                                           |                                                       |                                       | ANGULAR ±1/2°                                              |                 | JROBERTS     | 98/10/06                                                                                                                         |  | MOLEX INCORPORATED     |  |  |
|                                                                                                                                                           |                                                       |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                 | MATERIAL NO. |                                                                                                                                  | DOCUMENT NO.                                                                          | N/A SD-44248-001       |  |  |
|                                                                                                                                                           |                                                       |                                       |                                                            |                 | SIZE         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                       |                        |  |  |
|                                                                                                                                                           |                                                       |                                       |                                                            |                 |              |                                                                                                                                  |                                                                                       |                        |  |  |

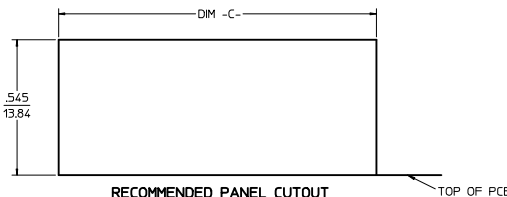
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



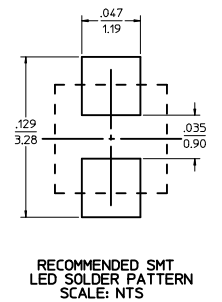
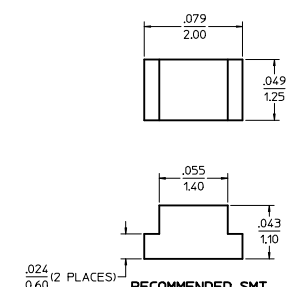
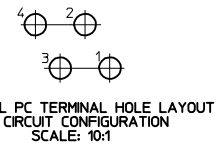
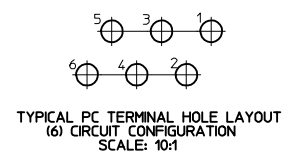
6 CIRCUIT PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062/157  
TOLERANCE ±.003/076 UNLESS OTHERWISE SPECIFIED



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



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



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

|                                                                                                                       |                 |                                                      |       |                 |          |                                                                                                                               |              |                        |  |
|-----------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------|-------|-----------------|----------|-------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|--|
| SEE SHEET 1<br>EC NO: UCF2009-4482<br>CHKS: MCLUSTERE 2008/12/06<br>CHKS: BELL 2008/12/06<br>APPROV: SMITH 2008/12/06 | 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 MODJACK ASSEMBLY                                                                                              |              |                        |  |
|                                                                                                                       | ▽=0             | 4 PLACES ±---                                        | ±---  | MMAYO           | 98/10/06 |                                                                                                                               |              |                        |  |
|                                                                                                                       |                 | 3 PLACES ±---                                        | ±.010 | CHECKED BY      | DATE     | MOLEX INCORPORATED                                                                                                            |              |                        |  |
|                                                                                                                       |                 | 2 PLACES ±0.25                                       | ±---  | JROBERTS        | 98/10/06 |                                                                                                                               |              |                        |  |
|                                                                                                                       |                 | 1 PLACE ±---                                         | ±---  | APPROVED BY     | DATE     | MOLEX INCORPORATED                                                                                                            |              |                        |  |
|                                                                                                                       |                 | ANGULAR ±1/2°                                        |       | JROBERTS        | 98/10/06 |                                                                                                                               |              |                        |  |
|                                                                                                                       |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | MATERIAL NO.    | N/A      |                                                                                                                               |              |                        |  |
|                                                                                                                       | C4              | REV                                                  |       |                 | SIZE     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |  |



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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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