

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0008560115

Status:

Active

Overview:

kk

Description:

KK® Cat Ear Crimp Terminal 4809, 22-30 AWG, Bag Selective Gold (Au)

Documents:

Drawing (PDF)

Product Specification PS-10-07 (PDF)

Product Specification PS-99020-0088 (PDF)

RoHS Certificate of Compliance (PDF)

| General                        |                      |
|--------------------------------|----------------------|
| Product Family                 | Crimp Terminals      |
| Series                         | 4809                 |
| Crimp Quality Equipment        | Yes                  |
| Overview                       | kk                   |
| Product Name                   | Cat Ear, KK®         |
| Physical                       |                      |
| Gender                         | Female               |
| Material - Metal               | Brass                |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Gold                 |
| Packaging Type                 | Bag                  |
| Plating min: Mating (µin)      | 15.2                 |
| Plating min: Mating (µm)       | 0.38                 |
| Plating min: Termination (µin) | 4.8                  |
| Plating min: Termination (µm)  | 0.12                 |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.57mm (.062") max.  |
| Wire Size AWG                  | 22, 24, 26, 28, 30   |
| Wire Size mm²                  | N/A                  |

| Material Info   |          |
|-----------------|----------|
| Old Part Number | 4809550L |

| Reference - Drawing Numbers |                         |
|-----------------------------|-------------------------|
| Product Specification       | PS-10-07, PS-99020-0088 |
| Sales Drawing               | SD-4809-*               |



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

4809Series

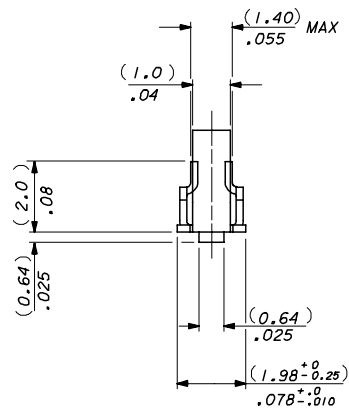
| Application Tooling   FAQ                                                                                                                                                       |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document. |            |
| Global                                                                                                                                                                          |            |
| Description                                                                                                                                                                     | Product #  |
| Hand Crimp Tool                                                                                                                                                                 | 0638118200 |

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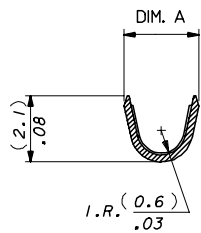
# NOTES\*

1. MATERIAL: (0.2)/.008 THICK BRASS 70/30, FOR MATL. SPEC SEE SHEET 2.
2. SUITABLE FOR 22-30 GA WIRE, (1.57)/.062 MAX INSULATION.
3. CODE LETTER PRECEDING PART No DESIGNATES MANUFG. LOCATION, I=IRELAND.
4. TERMINAL MUST MEET BEND SPEC. SDES-219.
5. THIS PART CONFORMS TO PROD. SPEC. 99020-0088

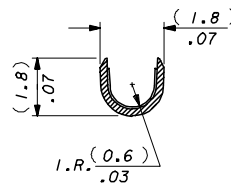
SECTION D-D  
(4809-IT ONLY)



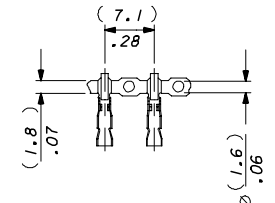
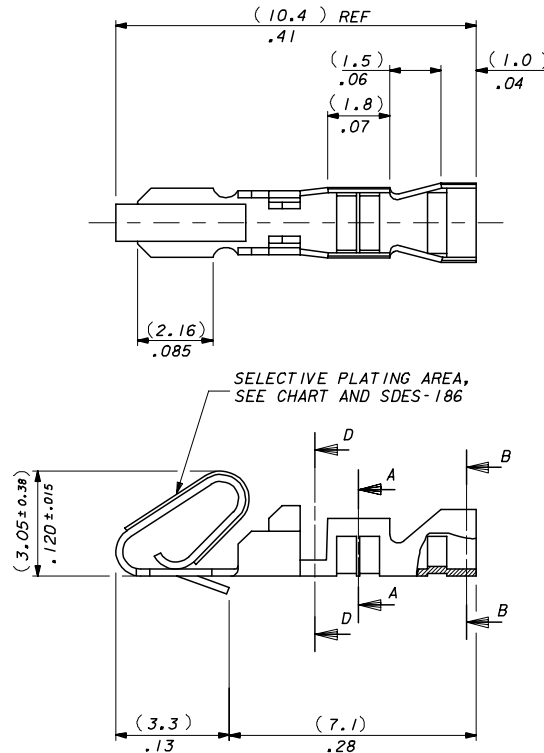
SECTION B-B



SECTION A-A



SELECTIVE PLATING AREA,  
SEE CHART AND SDES-186



CARRIER STRIP DETAIL  
SCALE 2:1

4809-(\*)\*\*

BLANK : DIM. A = (2.45-1.75) / .096-.069

M: DIM A = (2.35-2.05) / .093-.081

BLANK-CHAIN FORM TOP  
FEEDING REEL

L-LOOSE FORM

BF-CHAIN FORM, BOTTOM  
FEEDING REEL

PLATING CODE

|                                                                                                                                         |                        |                                   |                                       |        |                          |                                                            |                           |                                                                                                                               |                           |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|---------------------------------------|--------|--------------------------|------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|--|
| DIM CORRECTION<br>EC NO.: E2007-0218<br>DRWN: JDENNEHY 2006/09/15<br>CHKD: DMOR IARTY 2006/09/15<br>APPR: JDENNEHY 2006/10/11<br><br>AL | DESCRIPTION<br><br>REV | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE<br>MM/IN |                                                            | SCALE<br>10:1             | DESIGN UNITS<br>METRIC                                                                                                        | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                                         |                        |                                   |                                       | mm     | INCH                     | DRAWN BY<br>MCC                                            | DATE<br>1986/07/30        | TITLE<br>ANTI-FISH HOOKING<br>TERMINAL KK,(2.50)X.100                                                                         |                           |  |  |
|                                                                                                                                         |                        |                                   | 4 PLACES                              | ± ---  | ± ---                    | CHECKED BY<br>DMOR IARTY                                   | DATE<br>2004/10/18        |                                                                                                                               |                           |  |  |
|                                                                                                                                         |                        |                                   | 3 PLACES                              | ± ---  | ± .010                   | APPROVED BY<br>JDENNEHY                                    | DATE<br>2004/10/19        | MOLEX MOLEX INCORPORATED                                                                                                      |                           |  |  |
|                                                                                                                                         |                        |                                   | 2 PLACES                              | ± 0.25 | ± .014                   | MATERIAL NO.                                               | DOCUMENT NO.<br>SD-4809-* | SHEET NO.<br>1 OF 2                                                                                                           |                           |  |  |
|                                                                                                                                         |                        |                                   | 1 PLACE                               | ± 0.35 | ± ---                    | SIZE<br>A2                                                 |                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |  |  |
|                                                                                                                                         |                        |                                   | ANGULAR ± ---°                        |        |                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                           |                                                                                                                               |                           |  |  |

13 12 11 10 9 8 7 6 5 4 3 2 1

FINISH NOTES\*

(P902) HOT TIN DIP 1.0- 2.5µM/(.000040 - .000100)

(999) UNPLATED

(109) ELECTRO TIN PLATE (7.6-10µM)/.000300-.000400 OVER (1.25-2.0µM)/.000050-.000080 COPPER.

(505) GOLD PLATE (1.25-1.5µM)/.000050-.000060 OVER (1.25-2.0µM)/.000050-.000080 NICKEL.

(506) GOLD PLATE (1.25-1.5µM)/.000050-.000060 OVER (2.5-3.25µM)/.000100-.000130 NICKEL.

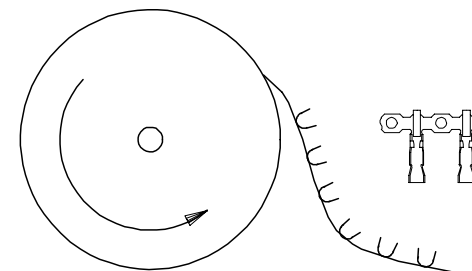
(507) GOLD PLATE (2.5-2.75µM)/.000100-.000110 OVER (1.25-2.0µM)/.000050-.000080 NICKEL.

(509) GOLD PLATE (1.25-1.5µM)/.000050-.000060 OVER (0.76-2.0µM)/.000030-.000080 NICKEL.

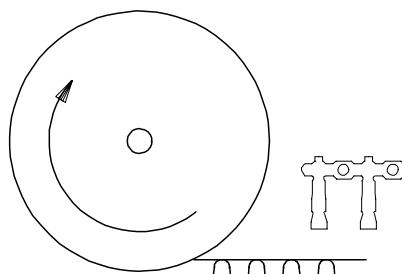
(550) GOLD PLATE (0.38-0.63µM)/.000015-.000025 OVER (0.76-1.5µM)/.000030-.000060 NICKEL IN CONTACT AREA WITH (0.12µM)/.000005 MIN. GOLD FLASH OVERALL.

(555) SELECTIVE GOLD (0.38µM)/.000015 OVER (0.76µM)/.000030 IN CONTACT AREA ONLY.

(558) GOLD PLATE (0.76-1.5µM)/.000030-.000060 OVER (1.25-2.0µM)/.000050-.000080 NICKEL IN CONTACT AREA WITH (0.12µM)/.000005 MIN. GOLD FLASH OVERALL.



TERMINALS FEEDING FROM THE TOP OF THE REEL ARE STANDARD WOUND



TERMINALS FEEDING FROM THE BOTTOM OF THE REEL ARE REVERSE WOUND  
SEE NOTE 5

|                           |            |               |       |        |                |
|---------------------------|------------|---------------|-------|--------|----------------|
| I                         | 08-50-0022 | 4809-(109)BF  | CHAIN | (109)  | (2.1)/.083 REF |
| I                         | 40-01-0831 | ↑ -(999)BF    | ↑     | (999)  | (2.1)/.083 REF |
|                           | NT         | -(505)BF      | ↑     | (505)  | (2.1)/.083 REF |
|                           | NT         | -(507)BF      | ↑     | (507)  | (2.1)/.083 REF |
| I                         | 08-55-0119 | ↓ -(555)BF    | ↓     | (555)  | (2.1)/.083 REF |
| I                         | 08-56-0155 | ↓ -(550)BF    | ↓     | (550)  | (2.1)/.083 REF |
| I                         | 08-50-0021 | 4809-(P902)BF | CHAIN | (P902) | (2.1)/.083 REF |
|                           | PART No    | ENG No        | FORM  | FINISH | DIM . A        |
| BOTTOM FEEDING REELS ONLY |            |               |       |        |                |

|                        |            |               |       |        |               |                |
|------------------------|------------|---------------|-------|--------|---------------|----------------|
|                        | NT         | 4809-(506)    | CHAIN | (506)  | ES-99001-0014 | (2.1)/.083 REF |
|                        | NT         | ↑ -(506)JL    | LOOSE | (506)  |               |                |
| I                      | 08-56-0158 | -(558)        | CHAIN | (558)  |               | (2.1)/.083 REF |
|                        | NT         | -(558)JL      | LOOSE |        |               |                |
|                        | NT         | -(509)        | CHAIN | (509)  |               | (2.1)/.083 REF |
|                        | NT         | -(509)JL      | LOOSE |        |               |                |
|                        | NT         | -(109)        | CHAIN | (109)  |               | (2.1)/.083 REF |
|                        | NT         | -(109)JL      | LOOSE |        |               |                |
| I                      | 40-01-0829 | -(999)        | CHAIN | (999)  |               | (2.1)/.083 REF |
| I                      | 40-01-0830 | -(999)JL      | LOOSE |        |               |                |
|                        | NT         | -(505)        | CHAIN | (505)  |               | (2.1)/.083 REF |
|                        | NT         | -(505)JL      | LOOSE |        |               |                |
|                        | NT         | -(507)        | CHAIN | (507)  |               | (2.1)/.083 REF |
|                        | NT         | -(507)JL      | LOOSE |        |               |                |
| I                      | 08-55-0110 | -(555)        | CHAIN | (555)  |               | (2.1)/.083 REF |
| I                      | 08-55-0111 | -(555)JL      | LOOSE |        |               |                |
|                        | 08-56-0120 | -(550)        | CHAIN | (550)  | ES-99001-0014 | (2.1)/.083 REF |
|                        | 08-56-0115 | -(550)JL      | LOOSE |        |               |                |
| I                      | 08-50-0135 | ↓ -(P902)     | CHAIN | (P914) | ES-99001-0015 | (2.1)/.083 REF |
| I                      | 08-50-0136 | 4809-(P902)JL | LOOSE |        |               |                |
|                        | PART No    | ENG No        | FORM  | FINISH | MATL. SPEC.   | DIM . A        |
| TOP FEEDING REELS ONLY |            |               |       |        |               |                |

|                                                                                                                              |                    |                               |                                                         |         |                                                                                                                               |                    |                                              |                        |                        |  |
|------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|---------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------|------------------------|------------------------|--|
| ADDED PART OPTION<br>EC NO: E2005-0286<br>DRAWN: GMSWEN 2004/11/03<br>CHKD: DMOR IART 2004/11/03<br>APPR: JDENEHY 2004/11/04 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                   |         | DIMENSION STYLE<br>MM/IN                                                                                                      |                    | SCALE<br>NTS                                 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |
|                                                                                                                              |                    |                               | 4 PLACES ± --- ± ---                                    | mm INCH | DRAWN BY<br>MCC                                                                                                               | DATE<br>1986/07/30 | ANTI-FISH HOOKING<br>TERMINAL KK,(2.50)/.100 |                        |                        |  |
|                                                                                                                              |                    |                               | 3 PLACES ± --- ± .010                                   |         | CHECKED BY<br>DMOR IART                                                                                                       | DATE<br>2004/10/18 |                                              |                        |                        |  |
|                                                                                                                              |                    |                               | 2 PLACES ± 0.25 ± .014                                  |         | APPROVED BY<br>JDENEHY                                                                                                        | DATE<br>2004/10/19 | MOLEX INCORPORATED                           |                        |                        |  |
|                                                                                                                              |                    |                               | ANGULAR ± --- °                                         |         | MATERIAL NO.                                                                                                                  |                    | DOCUMENT NO.                                 |                        | SHEET NO.              |  |
|                                                                                                                              |                    |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |         | SEE CHART                                                                                                                     |                    | SD-4809-*                                    |                        | 2 OF 2                 |  |
|                                                                                                                              |                    |                               | SIZE<br>A2                                              |         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                              |                        |                        |  |

12 11 10 9 8 7 6 5 4 3 2 1

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Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А