

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0008550110](#)  
**Status:** **Active**  
**Overview:** [kk](#)  
**Description:** KK® Cat Ear Crimp Terminal 4809, 22-30 AWG, Reel Selective Gold (Au)

**Documents:**

[3D Model](#) [Product Specification PS-99020-0088 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-10-07 \(PDF\)](#)

**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 Reel  
 Plating min: Mating (µin) 15.2  
 Plating min: Mating (µm) 0.38  
 Plating min: Termination (µin) 15.2  
 Plating min: Termination (µm) 0.38  
 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 4809-(555)

**Reference - Drawing Numbers**

Product Specification PS-10-07, PS-99020-0088  
 Sales Drawing SD-4809-\*

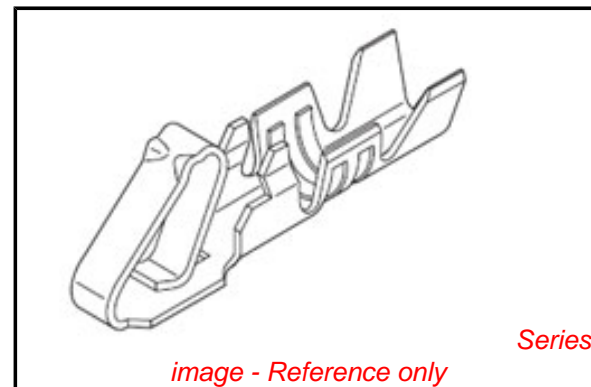


image - Reference only

**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**

[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.*

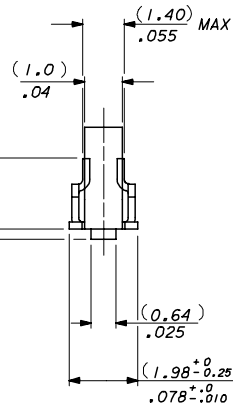
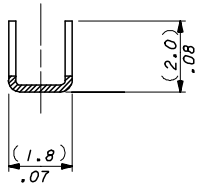
**Global**

Description	Product #
Extraction Tool	<a href="#">0011030022</a>
Terminator Die	<a href="#">0011402102</a>
Insertion Tool	<a href="#">0638120000</a>

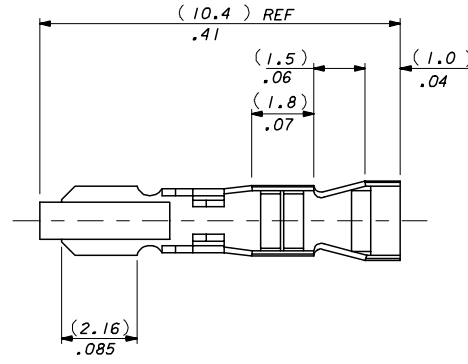
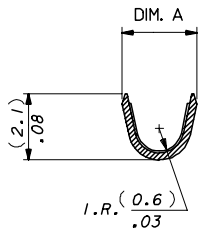
NOTES\*

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

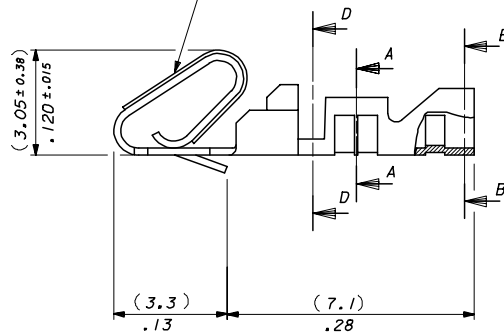
SECTION D-D  
(4809-1T ONLY)



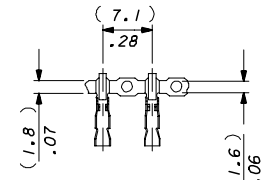
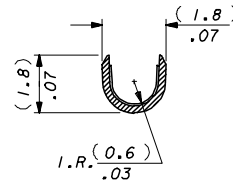
SECTION B-B



SELECTIVE PLATING AREA,  
SEE CHART AND SDES-186



SECTION A-A



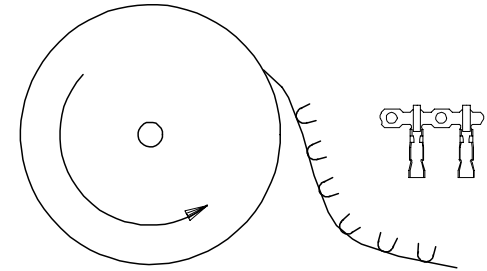
CARRIER STRIP DETAIL  
SCALE 2:1

- 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

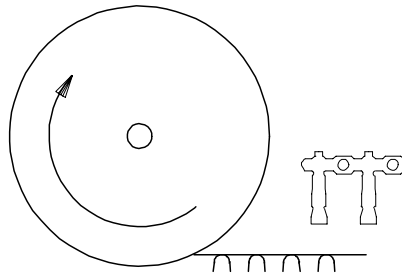
DIM CORRECTION EC NO. E2007-0218 DRAWN: JDENNEHY 2006/09/15 CHKD: DMOR IARTY 2006/09/15 APPR: JDENNEHY 2006/10/11	DESCRIPTION AL	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH					
4 PLACES ± --- ±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

**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			
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 ECC No: E2005-0286 DRWNG: MCKWEN 2004/11/03 CHKD: DMOR IART 2004/11/03 APPR: JDEWNEY 2004/11/04 REV	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM/IN		NTS	METRIC				
				DRAWN BY DATE		CHECKED BY DATE		ANTI-FISH HOOKING TERMINAL KK,(2.50)/.100			
				MCC 1986/07/30		DMOR IART 2004/10/18					
		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		JDEWNEY 2004/10/19		SEE CHART		SD-4809-*		2 OF 2			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					