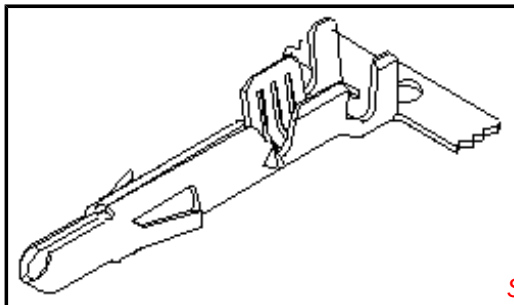
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0002082004
Status: Active
Overview: mlx
Description: MLX Crimp Terminal 42023, 14-20 AWG, Bag Tin (Sn)



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-42022-0001 (PDF)

General

Product Family	Crimp Terminals
Series	42023
Crimp Quality Equipment	Yes
MolexKits	Yes
Overview	mlx
Product Name	MLX™

Physical

Gender	Male
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	20
Plating min: Mating (µm)	0.50
Plating min: Termination (µin)	20
Plating min: Termination (µm)	0.50
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.52-3.30mm (.060-.130")
Wire Size AWG	14, 16, 18, 20
Wire Size mm²	N/A

Material Info

Old Part Number	42023-2A1L

Reference - Drawing Numbers

Product Specification	PS-42022-0001
Sales Drawing	SD-42023-****

EU RoHS | **China RoHS**
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

Need more information on product environmental compliance?

Email 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
42023Series

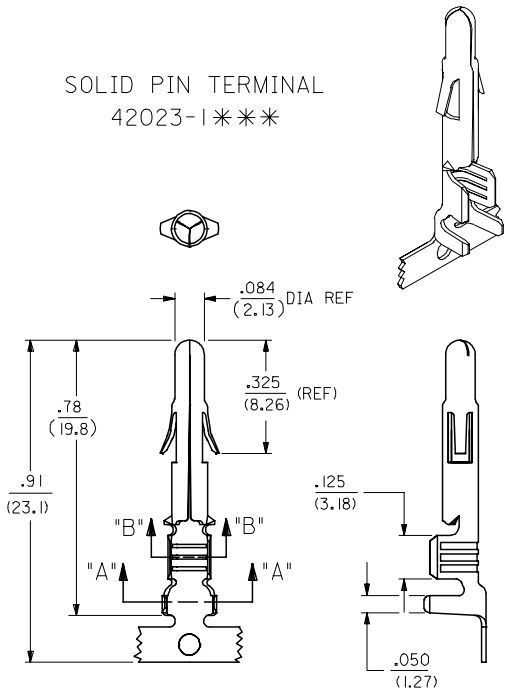
Application Tooling | **FAQ**
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

Description	Product #
Extraction Tool	0011010168
HAND CRIMP TOOL	0638116800

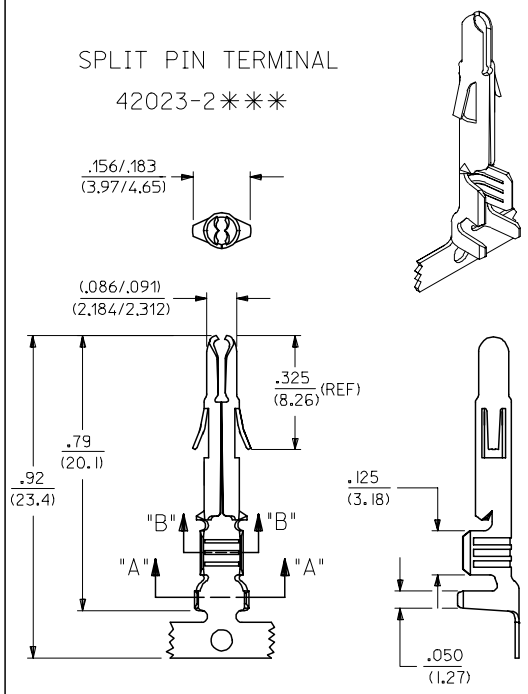
This document was generated on 06/07/2010

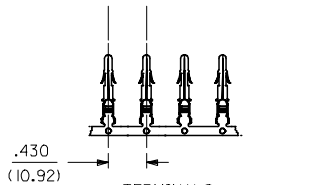
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

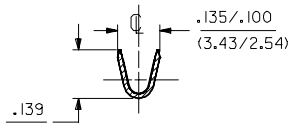
SOLID PIN TERMINAL
42023-1***



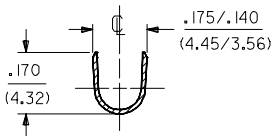
SPLIT PIN TERMINAL
42023-2***







SECTION "B-B"
WIRE CRIMP AREA

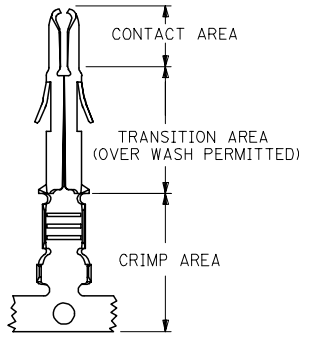


SECTION "A-A"
INSULATION CRIMP AREA

SEE SHEET2 FOR CHART, MATERIAL, PLATING, NOTES, AND CRIMP OPTIONS

EC NO: 2005-0302	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
DRWN: SUDHIR 2004/09/27	▼=0		mm / INCH	IN/MM	4:1	INCH		
CHKD: KPRASAD 2004/09/24	▽=0	4 PLACES	± --- / ± ---	DRAWN BY: SUDHIR DATE: 2004/09/24	TITLE: TERMINAL, PIN .084/(2.13) DIA. SERIES			
APPR: KPRASAD 2004/09/24		3 PLACES	± --- / ± .010	CHECKED BY: KPRASAD DATE: 2004/09/24				
DESCRIPTION		2 PLACES	± 0.25 / ± .015	APPROVED BY: KPRASAD DATE: 2004/09/24	molex MOLEX INCORPORATED			
REV: E		1 PLACE	± 0.38 / ± ---	MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-42023-****		SHEET NO.: 1 OF 2	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ±1/2°		SIZE: A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

ENG. NO.	EDP NO.	FINISH (REF)	CONTACT AREA (REF)	CRIMP AREA (REF)	MATERIAL (REF)	TERMINAL TYPE	WIRE SIZE	INSULATION DIAMETER
X-42023-1A1	PRELIMINARY	SDES-88-P901	----	----	C26000	SOLID	#14-#20 AWG	.060-.130
X-42023-1A1L	PRELIMINARY	SDES-88-P901	----	----	C26000	SOLID	#14-#20 AWG	.060-.130
42023-2A1	002-08-2003	SDES-88-P901	----	----	C26000	SPLIT	#14-#20 AWG	.060-.130
42023-2A1L	002-08-2004	SDES-88-P901	----	----	C26000	SPLIT	#14-#20 AWG	.060-.130
42023-2B1	002-08-2005	SDES-88-P901	----	----	C51000	SPLIT	#14-#20 AWG	.060-.130
42023-2B1L	002-08-2006	SDES-88-P901	----	----	C51000	SPLIT	#14-#20 AWG	.060-.130
42023-2A2	002-08-2007	SEE NOTE 5	.000030 MIN GOLD	.000100 MIN MATTE TIN	C26000	SPLIT	#14-#20 AWG	.060-.130
42023-2A2L	002-08-2008	SEE NOTE 5	.000030 MIN GOLD	.000100 MIN MATTE TIN	C26000	SPLIT	#14-#20 AWG	.060-.130
42023-2B2	002-08-2009	SEE NOTE 5	.000030 MIN GOLD	.000100 MIN MATTE TIN	C51000	SPLIT	#14-#20 AWG	.060-.130
42023-2B2L	002-08-2010	SEE NOTE 5	.000030 MIN GOLD	.000100 MIN MATTE TIN	C51000	SPLIT	#14-#20 AWG	.060-.130



PLATING REGIONS

APPLIES TO GOLD PLATED
TERMINALS ONLY

NOTES:

1) PIN TERMINALS FOR USE WITH THE .084/(2.13) SERIES HOUSINGS:
   PLUG (42021-**)
   CAP (42022-**)
2) PIN TERMINALS MATE WITH SOCKET TERMINALS: .084/(2.13) DIA. SERIES (42024-****).
3) TERMINALS FINISHED IN CHAIN UNLESS SPECIFIED LOOSE. "L" SUFFIX INDICATES LOOSE FORM. (SEE TABLE)
4) MATERIAL: .012/(0.30) THICK STRIP:
   A = BRASS, #C26000, PER SMES-124-C7.
   B = PHOSPHOR BRONZE, #C51000, PER SMES-124-E7.
5) FINISH:
   1 = HOT TIN DIP 20 m.i./(0.51 MICRONS) MINIMUM (PER SDES-88-P901).
   2 = 30 M.I (0.75 MICRONS) MIN GOLD
   & 100 M.I (2.50 MICRONS) MIN SELECT TIN
   50 M.I (1.25 MICRONS) MIN NICKEL OVERALL
6) CRIMP RANGE: SEE CHART.
7) PRODUCT SPECIFICATION PS-42022-0001 APPLIES.

LEGEND:

42023-****
- BASE NUMBER
- TERMINAL: 1 = SOLID PIN, 2 = SPLIT PIN
- MATERIAL CODE (SEE NOTE 4)
- PLATING CODE (SEE NOTE 5)
- FORM: BLANK = CHAIN, "L" = LOOSE

REV	DESCRIPTION	EC NO.	DRWN	CHK'D	APPR.	DATE
E		12005-0302	SUDHIR	KPRASAD	KPRASAD	2004/09/27

QUALITY SYMBOLS: ▼=0, ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	SUDHIR	2004/09/27
CHECKED BY	KPRASAD	2004/09/27
APPROVED BY	KPRASAD	2004/09/27

TITLE: TERMINAL, PIN .084/(2.13) DIA. SERIES

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42023-****
SHEET NO.: 2 OF 2
SIZE: A2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

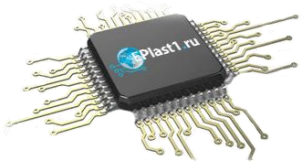
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.