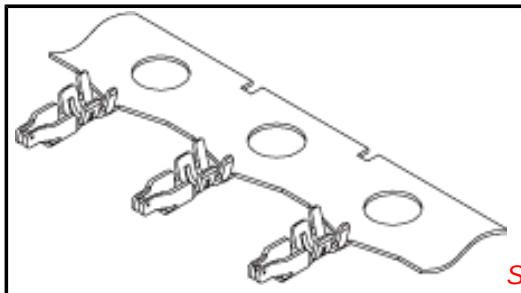
This document was generated on 05/20/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0781720411
Status: Active
Overview: picoezmate
Description: 1.20mm (.047") Pitch Pico-EZmate™ Wire-to-Board Crimp Terminal, Gold (Au) Flash over Nickel (Ni) Plated, Lead free



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-78171-010 (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Crimp Terminals
Series	78172
Crimp Quality Equipment	Yes
Overview	picoezmate
Product Name	Pico-EZmate™

Physical

Durability (mating cycles max)	10
Flammability	94V-0
Gender	Receptacle
Material - Metal	Copper-Nickel-Silicon
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	0.60mm(.024") and 0.70mm(.028
Wire Size AWG	28, 30
Wire Size mm²	N/A

Material Info

Reference - Drawing Numbers

Application Specification	AS-78172-001, AS-78172-006
Packaging Specification	PK-89990-681
Product Specification	PS-78171-010, RPS-78171-007
Sales Drawing	SD-78172-009

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
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
78172Series

Mates With
78171 PCB Header

Use With
78172 Crimp Receptacle...

Application Tooling | **FAQ**

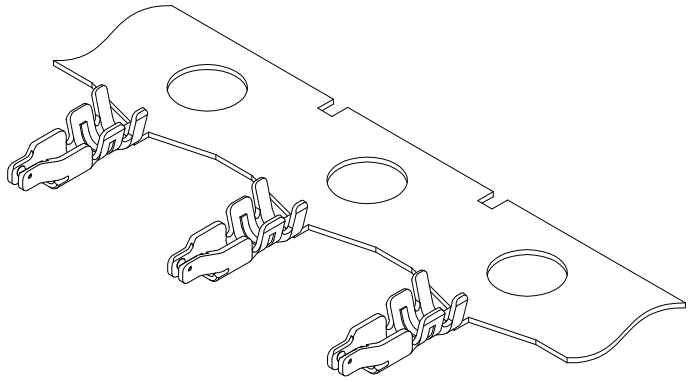
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

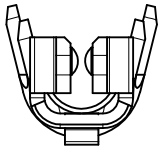
Global

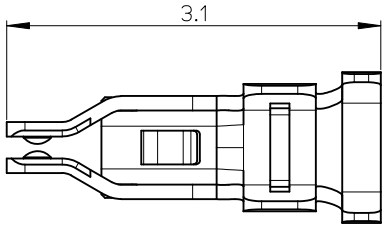
Description	Product #
FineAdjust™ Applicator for 1.20mm (.047") Pico-EZMate™ Wire-to-Board Terminals	0639011300
T2 Terminator for 1.20mm (.047") Pico-Ezmate™, 28-30 AWG	0639111300

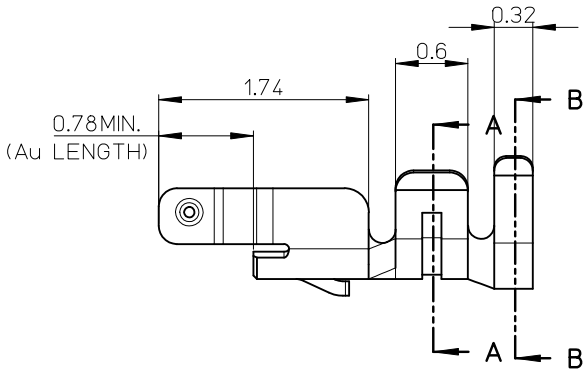
Hand Crimp Tool for Pico-Ezmate™ Wire-to-Board Terminal, 28-30 AWG for loose parts only	0638194300
Extraction Tool	0638132700
Hand Tool for 1.20mm (.047") Pitch Pico-Ezmate™ Crimp Terminals, 28 AWG for reeled product	0638194800
Hand Tool for 1.20mm (.047") Pitch Pico-Ezmate™ Crimp Terminals, 30 AWG for reeled product	0638230100

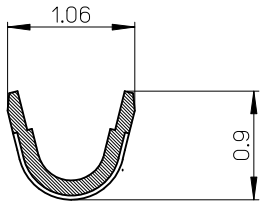
CONFIDENTIAL



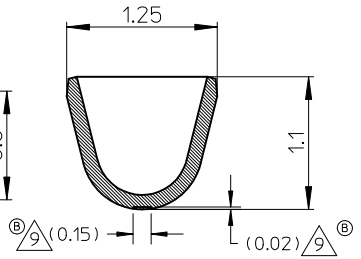








SECTION A-A
(CONDUCTOR BARREL)



SECTION B-B
(INSULATION BARREL)

NOTES:

1. 材質：コルソン銅
   MATERIAL： COPPER-NICKEL-SILICON ALLOY
2. メッキ：全面Ni下地 部分AuFlash1.0μ以上
   PLATING： GOLD FLASH OVER 1.0uMIN. NICKEL OVERALL
3. 適用ハウジング：78172-00**,503214-0*01
   APPLICABLE HOUSING ： 78172-00**,503214-0*01
4. 適用圧着工具：アプリケーター：578059-3000
   ：圧着機：57275-4000
   APPLICABLE CRIMP TOOL (SEMI-AUTOMATIC):578059-3000(APPLY TO 57275-4000)
5. 圧着仕様書 CS-78172-013 を参照のこと。
   REFER TO CRIMPING SPECIFICATION CS-78172-013
6. 製品の取り扱いについては、コネクタ取り扱い説明書(AS-78172-007)を参照のこと。
   PLEASE REFER TO INSTRUCTION MANUAL(AS-78172-007)
7. 参考として本製品評価時に使用の電線使用を以下に示します。
   THE ELECTRIC WIRE SPECIFICATION USED AS REFERENCE AT THE TIME OF THIS PRODUCT EVALUATION IS SHOWN BELOW.

※製品評価時使用電線
住友電工（株）製 UL3302電線
SUMITOMO ELECTRIC INDUSTRIES,LTD.:UL STYLE 3302

電線サイズ WIRE SIZE	導体仕様 CONDUCTOR SPEC.	導体構成 STRANDING. (No./mm)	導体外径 CONDUCTOR DIA. (mm)	絶縁体外径 INSURATION DIA. (mm)
AWG# 30	錫メッキ軟銅線 TINNED ANNEALED COPPER	7/0.10	0.30	0.70

古河電気工業（株）製 UL3302 エコソフレックス電線
FURUKAWA ELECTRIC CO.LTD.:UL STYLE 3302 ECOSOFLEX WIRE.

電線サイズ WIRE SIZE	導体仕様 CONDUCTOR SPEC.	導体構成 STRANDING. (No./mm)	導体外径 CONDUCTOR DIA. (mm)	絶縁体外径 INSURATION DIA. (mm)
AWG# 28	錫メッキ軟銅線 TINNED ANNEALED COPPER	7/0.127	0.38	0.6

8. ELV及びRoHS適合品
   ELV AND RoHS COMPLIANT

Ⓑ 9. OPTIONAL TOOL MARK FOR TOOL RECOGNITION PURPOSE

REVISED			DESCRIPTION	REV
EC NO: J2010-0783	DRWN:CWLAM	2009/11/12		
	CH'KD:LSLEE	2009/12/11		
	APPR:NUKITA	2009/12/14		
				B

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.30
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CHAIN	78172-0411	78172-****
FORM	MATERIAL NO.	MODEL NO.

DIMENSION STYLE: MM ONLY
SCALE: 20:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SSHIMONISHI DATE: 2008/04/07
CHECKED BY: HTAKASE DATE: 2008/04/07
APPROVED BY: NUKITA DATE: 2008/04/07
MATERIAL NO.: SEE CHART

TITLE: 1.20MM PITCH, W-T-B 1.40MM HEIGHT RECEPTACLE CONNECTOR

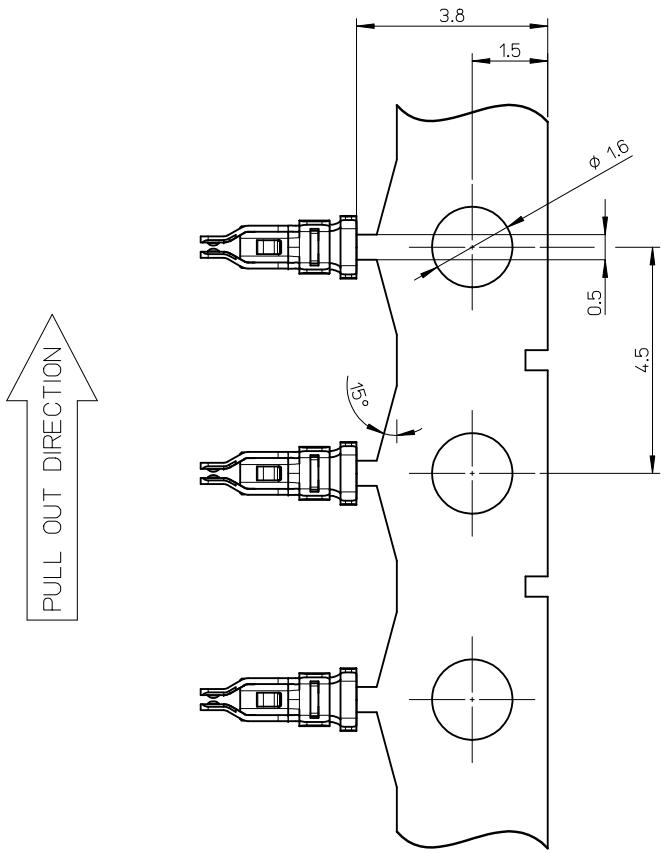
molex MOLEX INCORPORATED

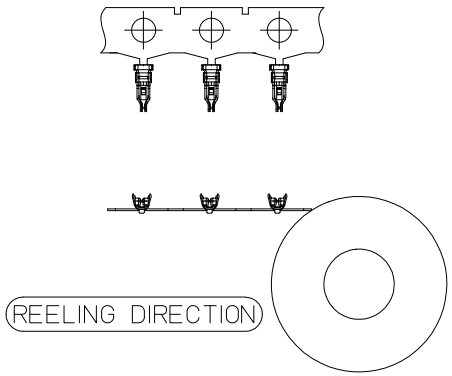
DOCUMENT NO.: SD-78172-009
SHEET NO.: 1 OF 3

SIZE: A3

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REVISED	EC NO: J2010-0783	2009/11/12	B
	DRWN:EWLAM	2009/12/11	
	CHKD:LSLEE	2009/12/14	
	APPR:NUKITA		

DESCRIPTION / REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.30
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

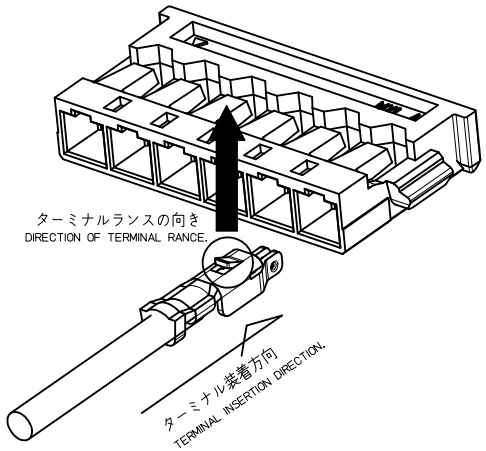
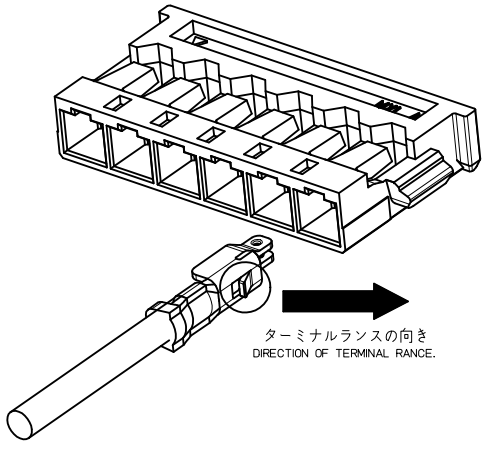
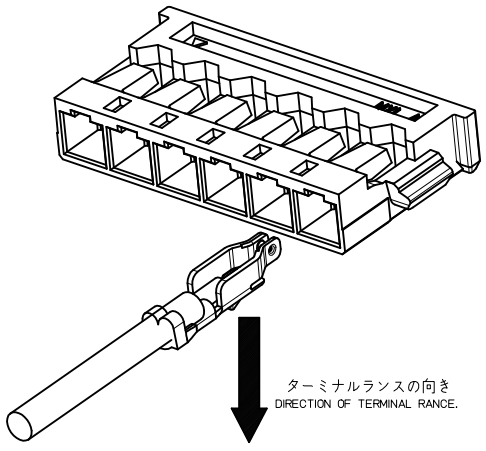
DIMENSION STYLE: MM ONLY	SCALE: 1:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: SSHIMONISHI	DATE: 2008/04/07		
CHECKED BY: HTAKASE	DATE: 2008/04/07		
APPROVED BY: NUKITA	DATE: 2008/04/07		
MATERIAL NO.: SEE SHEET 1		DOCUMENT NO.: SD-78172-009	SHEET NO.: 2 OF 3

TITLE: 1.20MM PITCH, W-T-B 1.40MM HEIGHT RECEPTACLE CONNECTOR

MOLEX INCORPORATED

SIZE A3

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ターミナル装着時の向き TERMINAL INSERTION DIRECTION.	ハウジングへのターミナル装着時には下記に示しましたようにターミナルランスの方向に御注意願います。 NOTE THE DIRECTION OF THE TERMINAL RANCE WHEN THE TERMINAL ENTERS THE HOUSING. (REFER TO THE BELOW FIGURE.)	
		
正規方向 GOOD	誤装着方向 NO GOOD	誤装着方向 NO GOOD

REVISED			
EC NO: J2010-0783	2009/11/12		
DRWN:CWLAM	2009/12/11		
CH'KD:LSLEE	2009/12/14		
APPR:NUKITA			
DESCRIPTION			
B			
REV			

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.30
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR ±1 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE: MM ONLY	SCALE: 1:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: SSHIMONISHI DATE: 2008/04/07	TITLE: 1.20MM PITCH, W-T-B 1.40MM HEIGHT RECEPTACLE CONNECTOR		
CHECKED BY: HTAKASE DATE: 2008/04/07			
APPROVED BY: NUKITA DATE: 2008/04/07	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE SHEET 1	DOCUMENT NO.: SD-78172-009	SHEET NO.: 3 OF 3	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709