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Part Number:

0781720411

Status:

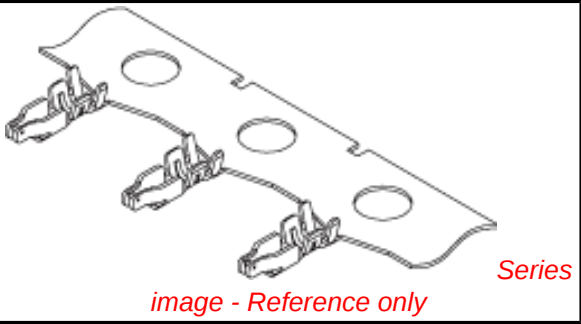
Active

Overview:

picoezmate

Description:

1.20mm (.047") Pitch Pico-EZmate™ Wire-to-Board Crimp Terminal, Gold (Au) Flash over Nickel (Ni) Plated, Lead free



Documents:

Drawing (PDF)

Product Specification PS-78171-010 (PDF)

RoHS Certificate of Compliance (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

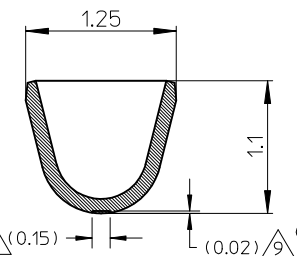
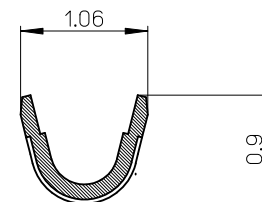
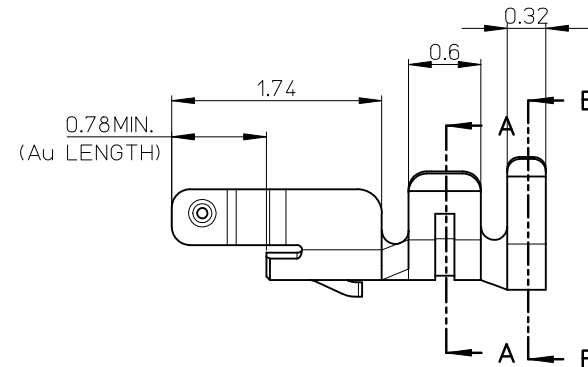
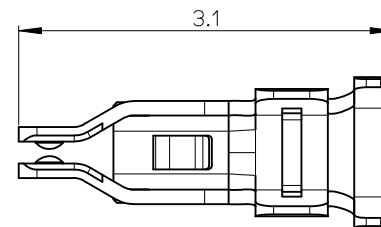
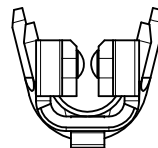
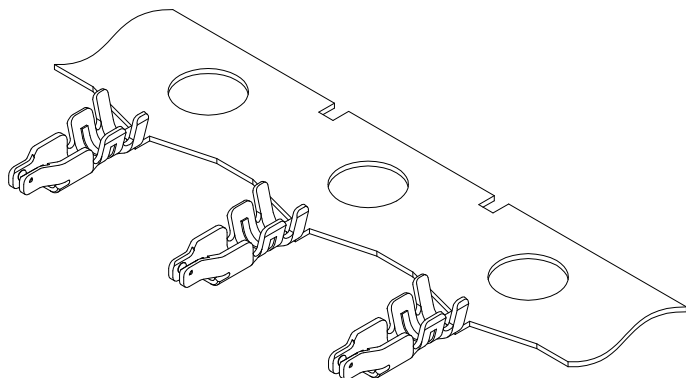
Description	Product #
FineAdjust™ Applicator for 1.20mm (.047") Pico-EZMate™ Wire-to-Board Terminals	0639011300
T2 Terminator for 1.20mm (.047") Pico-Ezmate™, 28-30 AWG	0639111300

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

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SECTION A-A
(CONDUCTOR BARREL)

SECTION B-B
(INSULATION BARREL)

NOTES:

- 材質: コルソン銅
MATERIAL: COPPER-NICKEL-SILICON ALLOY
- メッキ: 全面Ni下地 部分AuFlash1.0μ以上
PLATING: GOLD FLASH OVER 1.0μMIN. NICKEL OVERALL
- 適用ハウジング: 78172-00**,503214-0*01
APPLICABLE HOUSING: 78172-00**,503214-0*01
- 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)
- 圧着仕様書 CS-78172-013 を参照のこと。
REFER TO CRIMPING SPECIFICATION CS-78172-013
- 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)
- 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 INSULATION DIA. (mm)
AWG# 30	銅メッキ軟銅線 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 INSULATION DIA. (mm)
AWG# 28	銅メッキ軟銅線 TINNED ANNEALED COPPER	7/0.127	0.38	0.6

- ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

OPTIONAL TOOL MARK FOR TOOL RECOGNITION PURPOSE

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

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	
DRAWN BY	DATE
SSHIMONISHI	2008/04/07
CHECKED BY	DATE
HTAKASE	2008/04/07
APPROVED BY	DATE
NUKITA	2008/04/07
MATERIAL NO.	
SEE CHART	
SIZE	A3

CHAIN	78172-0411	78172-****
FORM	MATERIAL NO.	MODEL NO.
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
20:1	METRIC	
TITLE		
1.20MM PITCH, W-T-B 1.40MM HEIGHT RECEPTACLE CONNECTOR		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-78172-009	1 OF 3	

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

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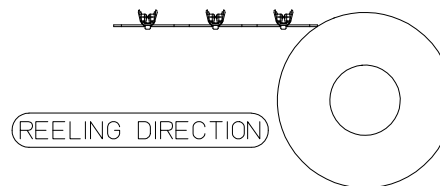
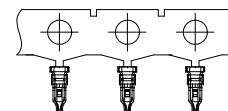
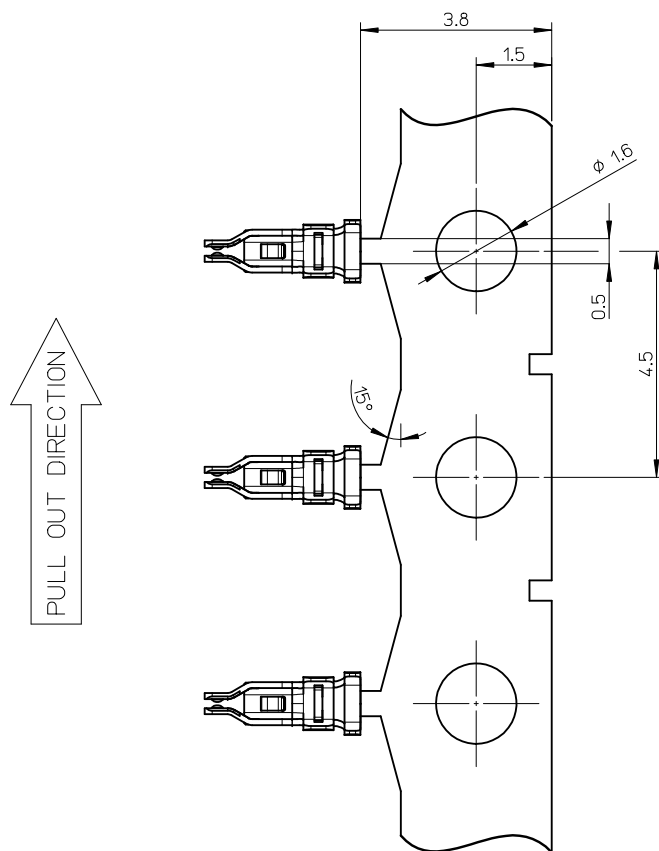
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REVISED EC NO: J2010-0783 2009/11/12 DRWN: C/AM CHKD: L/SLEE APPR: NUKITA 2009/12/11 2009/12/14	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		10 UNDER	± 0.30	DRAWN BY SSHIMONISHI	DATE 2008/04/07	TITLE 1.20MM PITCH, W-T-B 1.40MM HEIGHT RECEPTACLE CONNECTOR		
		10 OVER 30 UNDER	± ---	CHECKED BY HTAKASE	DATE 2008/04/07			
		30 OVER	± ---	APPROVED BY NUKITA	DATE 2008/04/07	MOLEX INCORPORATED		
		ANGULAR ±1 °		MATERIAL NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-78172-009		2 OF 3	
B	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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E

D

C

B

A

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 RANGE WHEN THE TERMINAL ENTERS THE HOUSING. (REFER TO THE BELOW FIGURE.)

ターミナルランスの向き
DIRECTION OF TERMINAL RANGE.

ターミナル装着方向
TERMINAL INSERTION DIRECTION.

正規方向
GOOD

ターミナルランスの向き
DIRECTION OF TERMINAL RANGE.

誤装着方向
NO GOOD

ターミナルランスの向き
DIRECTION OF TERMINAL RANGE.

誤装着方向
NO GOOD

REVISED EC NO: J2010-0783 DRWN: C/LAM 2009/11/12 CHKD: S/LEE 2009/12/11 APPR: NUKITA 2009/12/14 REV B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.30	SSHIMONISHI	2008/04/07	TITLE 1.20MM PITCH, W-T-B 1.40MM HEIGHT RECEPTACLE CONNECTOR				
		10 OVER 30 UNDER	± ---	CHECKED BY	DATE					
		30 OVER	± ---	HTAKASE	2008/04/07	MOLEX INCORPORATED				
		ANGULAR ±1 °		APPROVED BY	DATE					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		NUKITA	2008/04/07	DOCUMENT NO. SD-78172-009				
	MATERIAL NO.			SHEET NO.						
		SEE SHEET 1		3 OF 3						
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						