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Part Number: [0781715006](#)
Status: **Active**
Overview: [picoezmate](#)
Description: 1.20mm (.047") Pitch Pico-EZmate™ Wire-to-Board Header, Vertical, Housing Height: 1.65mm (.065"), with side-Friction Locks, 6 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-78172-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	78171
Application	Wire-to-Board
Overview	picoezmate
Product Name	Pico-EZmate™

Physical

Breakaway	No
Circuits (Loaded)	6
Color - Resin	Black
Durability (mating cycles max)	10
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height (in)	0.065 In
Mated Height (mm)	1.65 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.047 In
Pitch - Mating Interface (mm)	1.20 mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	50V AC/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-78171-001
Product Specification	PS-78172-001
Sales Drawing	SD-78171-001, SD-78171-002

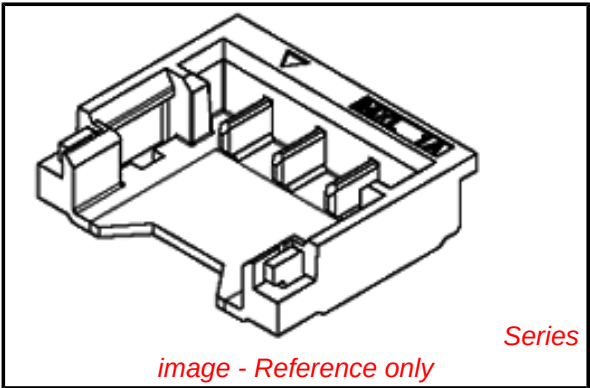


image - Reference only

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
For a multiple part number RoHS Certificate of Compliance, [click here](#)

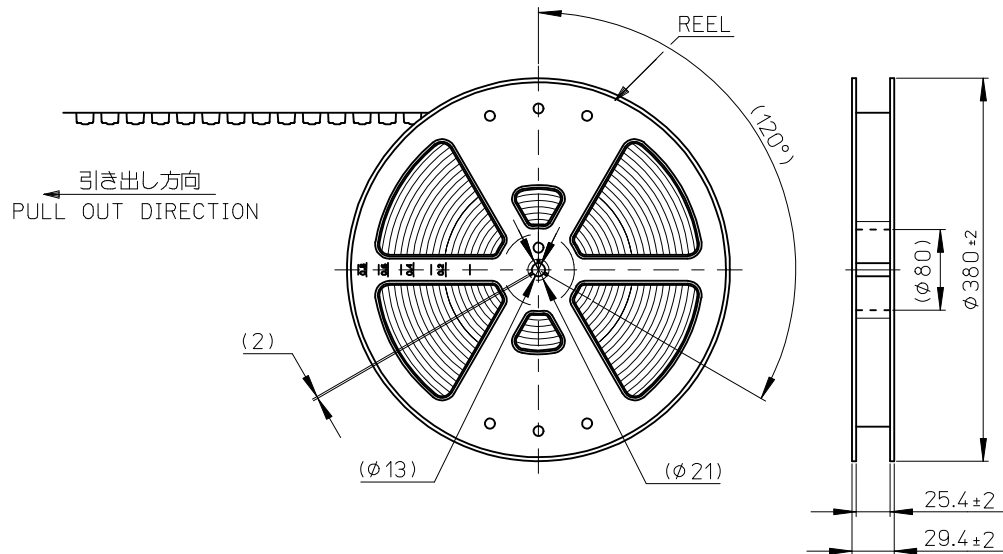
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[78171Series](#)

Mates With
[78172 Crimp Housing&Terminal](#)

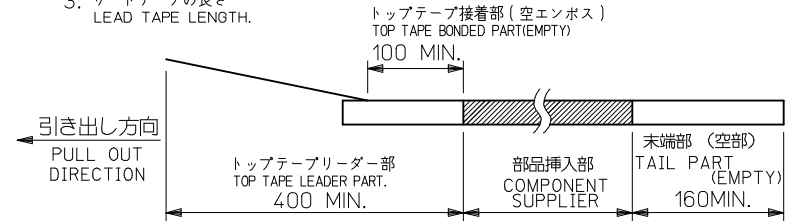
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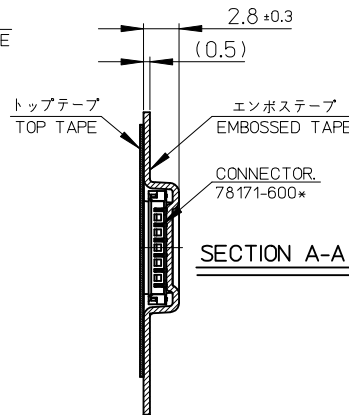
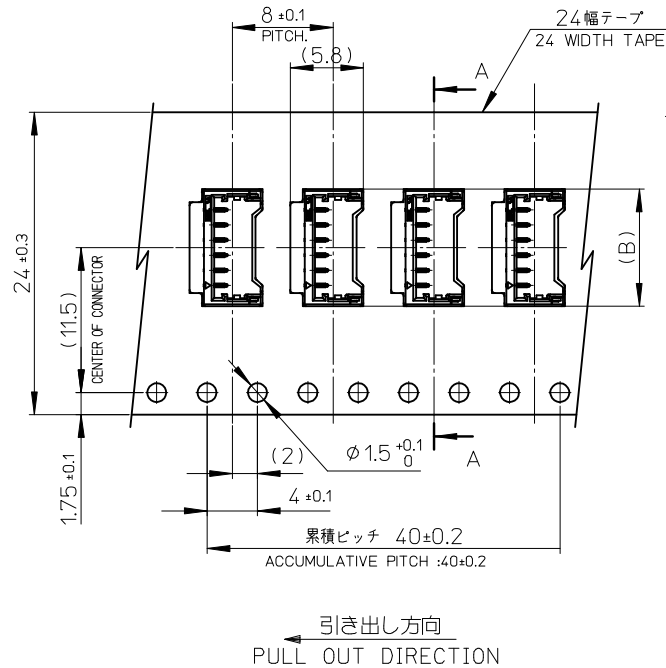


NOTES

- 製品詳細につきましては、SD-78171-002 を参照下さい。
RE DETAILED DIMENSION, SEE SD-78171-002.
- 梱包数量: 4,500 個/リール
NUMBER OF CONNECTORS: 4,500 PCS/REEL.
- リードテープの長さ
LEAD TAPE LENGTH.



- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE): ポリスチレン (POLYSTYRENE)
トップテープ (TOP TAPE): PET, PE, PEF
リール (REEL): ポリスチレン (POLYSTYRENE) <リサイクル材を含む>
<RECYCLE MATERIAL CONTAINED.>
- 製品の取扱いについては取扱説明書 "AS-78172-001" を参照願います。
REFER TO INSTRUCTION MANUAL "AS-78172-001"
- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT.



YES	9.3	78171-6006	78171-5006	6	78171-500*
ANTI-WICKING	B	CONNECTOR	MATERIAL NO.	CKT.	MODEL NO.

REVISED EC NO: J2009-2236 DRWN: CWLAM CHKD: SLEE APPR: NUKITA A2	DESCRIPTION 2009/05/04 2009/05/11 2009/05/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY T. ODA	DATE '08/11/07	TITLE EMBOSSD TAPE PKG FOR 78171				
		10 OVER 30 UNDER	± 0.25	CHECKED BY SA. SATO	DATE '08/11/07					
		30 OVER	± 0.3	APPROVED BY S. ICHIKAWA	DATE '08/11/07	MOLEX INCORPORATED				
		ANGULAR ±1 °		MATERIAL NO. SEE CHART						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	REV									

注記: 1. 材質 ハウジング: PA46, UL94V-2色: 黒
NOTES. MATERIALS HOUSING: PA46, UL94V-2, COLOUR:BLACK

ターミナル: 銅合金
TERMINAL: COPPER ALLOY
ネイル: 銅合金
FITTING NAIL: COPPER ALLOY

2. メッキ仕様
FINISHES ターミナル: 金メッキ0.1μmMIN. ニッケル下地メッキ 1.0μm MIN
TERMINAL: GOLD 0.1μmMIN. WITH 1.0μm MIN NICKEL UNDERPLATE OVERALL
ネイル: 錫メッキ 1.5 μm MIN ニッケル下地メッキ1.0 μm MIN
FITTING NAIL: 1.5 μm MIN TIN WITH 1.0 μm MIN NICKEL UNDERPLATE OVERALL
78172-5006

3. 嵌合相手: MATING WITH: 極数 No. CIRCUIT No.
4. 梱包形態: エンボスリール梱包 (詳細はSD-78171-001 を参照願います)
PACKAGING SPECIFICATION: EMBOSSED TAPE (REFER TO SD-78171-001)

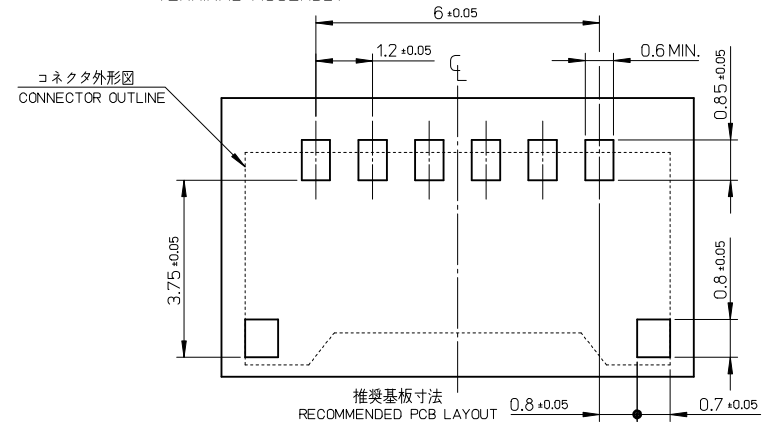
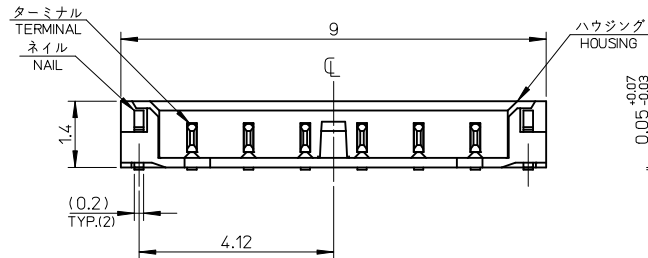
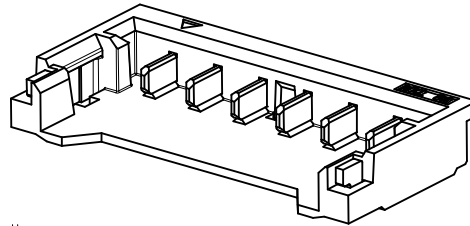
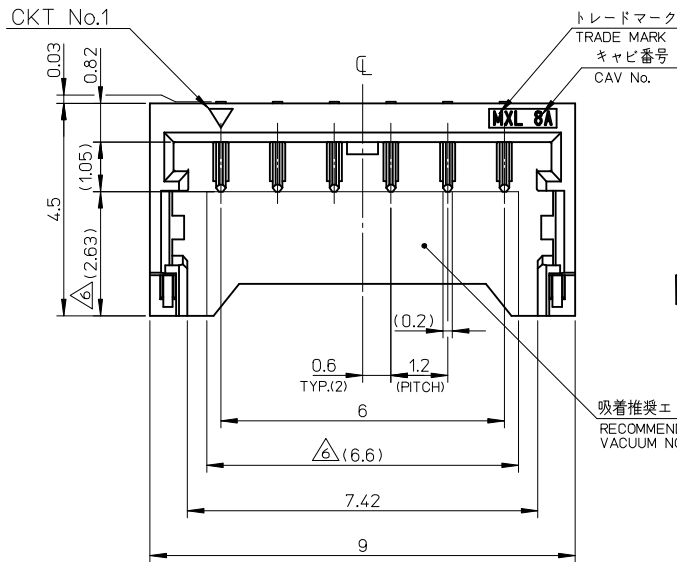
製品番号は右記の内容を示す: 78171-6006
PRODUCT NUMBER INDICATES FOLLOWING

吸着推奨エリアを示す
SHOWS VACUUM NOZZLE AREA.
7. ソルダータールとネイルの平坦度: 0.10 mm MAX
SOLDER TAIL AND FITTING NAIL COPLANARITY 0.1mm MAX.

8. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT.

9. 製品の取扱いについては取扱説明書"AS-78172-001"を参照願います
REFER TO INSTRUCTION MANUAL "AS-78172-001"

⑩ 10. APPLY ANTI-WICKING SOLUTION ON HOUSING BEFORE
TERMINAL ASSEMBLY



⑩ YES	78171-5006	78171-6006	78171-600*
	PACKING FORM : EMBOSSED TAPE		
ANTI-WICKING	ORDER No.	MATERIAL NO.	MODEL NO.

REVISED EC NO: J2009-2/157 DRWN: CWLAW CHKD: SLEE APPR: NUKITA 2009/04/02 2009/04/03 2009/04/03	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY T. ODA	DATE 08/06/20	TITLE 12W/B CONN. HDR ASS'Y 6CKT				
		10 OVER 30 UNDER	± 0.25	CHECKED BY SA. SATO	DATE 08/06/20					
		30 OVER	± 0.3	APPROVED BY S. ICHIKAWA	DATE 08/06/20	MOLEX INCORPORATED				
		ANGULAR	±1 °	MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-78171-002		1 OF 1		
		A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						