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Part Number: [0874210000](#)
Status: **Active**
Overview: [picospox](#)
Description: 1.50mm (.059") Pico-SPOX™ Crimp Terminal, Female, Tin(Sn), 24-30 AWG, Reel

Documents:

[3D Model](#) [Product Specification PS-87437 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family Crimp Terminals
 Series [87421](#)
 Crimp Quality Equipment Yes
 MolexKits Yes
 Overview [picospox](#)
 Product Literature Order No USA-235
 Product Name Pico-SPOX™

Physical

Gender Female
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Packaging Type Reel
 Plating min: Mating (µin) 101.600
 Plating min: Mating (µm) 2.54
 Plating min: Termination (µin) 101.600
 Plating min: Termination (µm) 2.54
 Termination Interface: Style Crimp or Compression
 Wire Insulation Diameter 0.70mm (.028) max., 0.90mm (.035") max., 1.00mm (.039) max., 1.15mm (.045") max.
 Wire Size AWG 24, 26, 28, 30
 Wire Size mm² N/A

Electrical

Current - Maximum per Contact 1A, 2A, 3A
 Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Product Specification PS-87437, RPS-78048-002, RPS-87437, RPS-87437-001, RPS-87437-200
 Sales Drawing SD-87421-0000

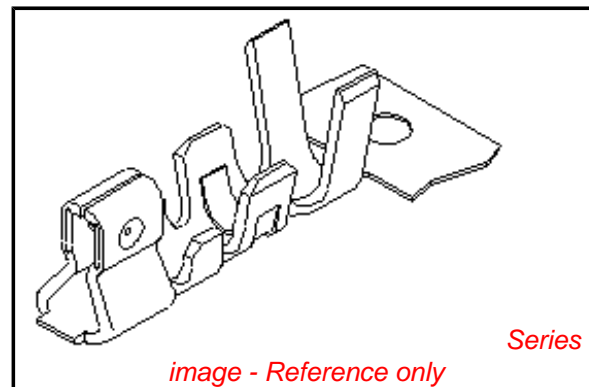


image - Reference only

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

[87421Series](#)

Use With

[87439 Pico-SPOX™ Wire-to-Board Housing](#)

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.

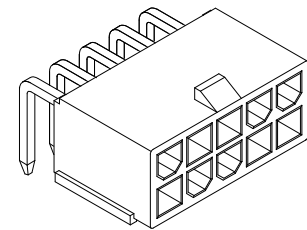
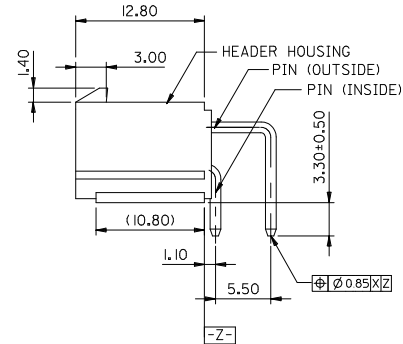
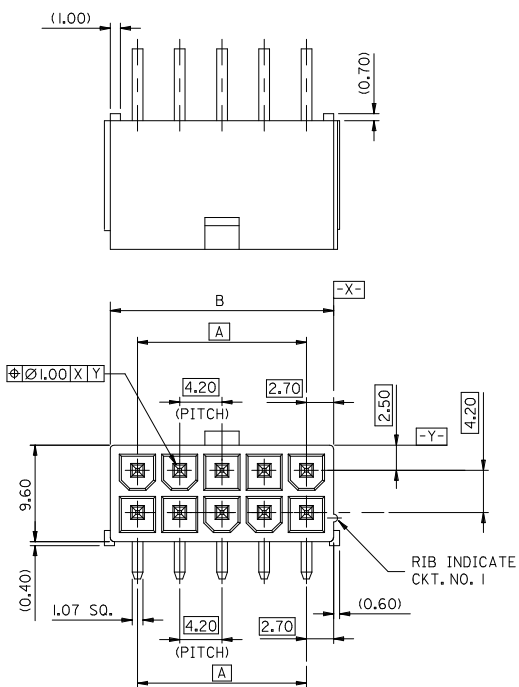
Global

Description	Product #
T2 Terminator for 1.50mm (.059") Pico-SPOX™ Female Crimp Terminal	0639114200
Extraction Tool	0638132700
FineAdjust Applicator for 1.50mm (.059") Pico-SPOX™ Female Crimp	0639014200

Terminal, 24-30 AWG Hand Crimp Tool	<u>0638116400</u>
Japan	
Description	Product #
Applicator for M211A Bench Press, 26 AWG, for 87421 Crimp Terminal	<u>0572943000</u>

This document was generated on 06/08/2010

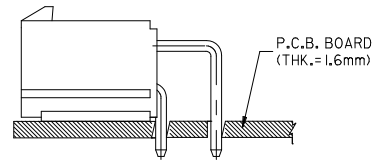
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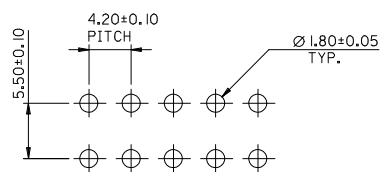
ISOMETRIC VIEW

LEGEND

- 87427-****
- CKT. SIZE (SEE SHEET 2).
 - PLATING OPTIONS
 - 2 = NOTE
 - 3 = NOTE
 - PACKAGING OPTIONS
 - 0 = TRAY PACKED
 - 2 = TUBE PACKED



RECOMMENDED INSTALLATION PATTERN

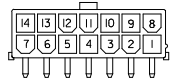


RECOMMENDED P.C.B. LAYOUT

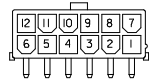
NOTES

1. MATERIAL - HEADER : NYLON 46, UL94V-0, COLOR BEIGE
PIN : BRASS (1.07 SQUARE)
2. PLATING OF PIN
TIN 2.54um MIN. OVER NICKEL 1.27um MIN.
3. PLATING OF PIN
TIN 4-10um OVER COPPER 2-8um.
4. PLATING OF PIN
TIN 2.54um MIN. OVER NICKEL 1.27um MIN. WITH MATT FINISH.
5. PART NUMBERS 36633-0020 TO 36633-0024 & 36633-0040 TO 36633-0046 INCLUDED AS SHOWN IN TABLE 'X'.

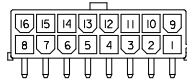
CORRECT TOLERANCE EC NO: UCP2010-0395 TDRWN: JAGUILAR 2010/04/09 CHKD: EDMUD 1995/03/01 APPR: FSMITH 2010/04/09	REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		= 0	mm	INCH	DRAWN BY STEVEN	DATE 1995/02/27	TITLE 4.2MM W-T-B HIGH TEMP. RIGHT ANGLE HEADER WITHOUT MOUNTING FLANGES			
		= 0			CHECKED BY EDMUD	DATE 1995/03/01				
			ANGULAR ±---°		APPROVED BY FSMITH	DATE 2010/04/09	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-87427-**0*	SHEET NO. 1 OF 2
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					



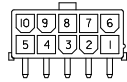
CKT.SIZE 14



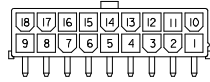
CKT.SIZE 12



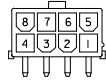
CKT.SIZE 16



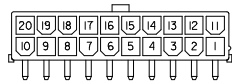
CKT.SIZE 10



CKT.SIZE 18



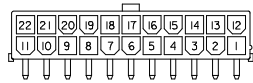
CKT.SIZE 8



CKT.SIZE 20



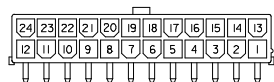
CKT.SIZE 6



CKT.SIZE 22



CKT.SIZE 4



CKT.SIZE 24



CKT.SIZE 2

SEE NOTES Δ ON SHEET 1 FOR PLATING DETAILS	51.60	46.20	36633-0046	24
	47.40	42.00	36633-0045	22
	43.20	37.80	36633-0024	20
	39.00	33.60	36633-0044	18
	34.80	29.40	36633-0023	16
	30.60	25.20	36633-0043	14
	26.40	21.00	36633-0022	12
	22.20	16.80	36633-0021	10
	18.00	12.60	36633-0042	8
	13.80	8.40	36633-0041	6
	9.60	4.20	36633-0020	4
	5.40	--	36633-0040	2
PIN (OUTSIDE & INSIDE)	B	A	ENG. NO.	CKT. SIZE

TABLE 'X'

51.60	46.20	87427-242*	24
B	A	ENG. NO. TUBE PACKED	CKT. SIZE
51.60	46.20	87427-240*	24
47.40	42.00	87427-220*	22
43.20	37.80	87427-200*	20
39.00	33.60	87427-180*	18
34.80	29.40	87427-160*	16
30.60	25.20	87427-140*	14
26.40	21.00	87427-120*	12
22.20	16.80	87427-100*	10
18.00	12.60	87427-080*	8
13.80	8.40	87427-060*	6
9.60	4.20	87427-040*	4
5.40	--	87427-020*	2
B	A	ENG. NO. TRAY PACKED	CKT. SIZE

EC NO: I2009-0573 DRWN: HMR01 2009/11/11 CHKD: KPRASAD 2009/11/12 APPR: KPRASAD 2009/11/13	QUALITY SYMBOLS $\nabla=0$ $\square=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES \pm --- \pm --- 3 PLACES \pm --- \pm --- 2 PLACES \pm 0.20 \pm --- 1 PLACE \pm 0.20 \pm --- ANGULAR \pm ---°	DIMENSION STYLE MM ONLY DRAWN BY: SAMC DATE: 1996/02/05 CHECKED BY: DATE:	SCALE: 1:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: 4.2MM W-T-B,HIGH TEMP. RIGHT ANGLE HEADER WITHOUT MOUNTING FLANGES MOLEX INCORPORATED DOCUMENT NO. SD-87427-**0* SHEET NO. 2 OF 2
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART	APPROVED BY: DATE:	
		SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		