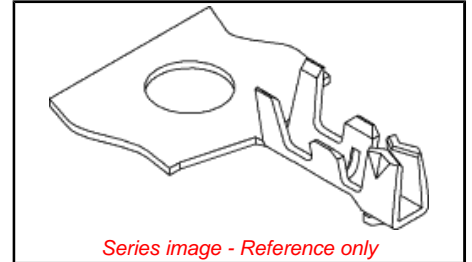


**Part Number:** [0500798100](#)  
**Status:** **Active**  
**Overview:** [PicoBlade™](#)  
**Description:** 1.25mm (.049") Pitch PicoBlade™ Crimp Terminal, 26-28 AWG, Bag



**EU RoHS**  
**ELV and RoHS**  
**Compliant**

**China RoHS**



**General**

Product Family	Crimp Terminals
Series	<a href="#">50079</a>
Overview	<a href="#">PicoBlade™</a>
Product Name	PicoBlade™

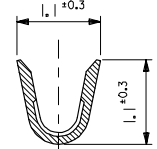
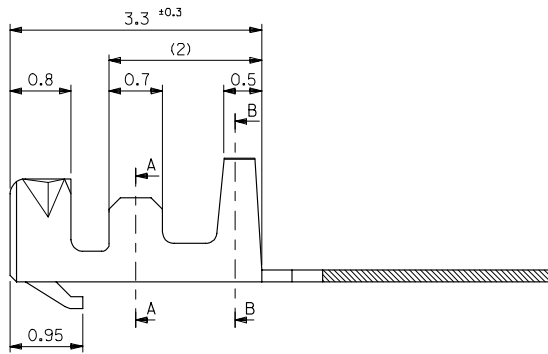
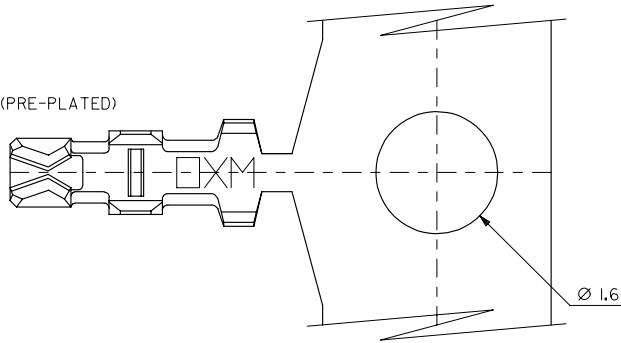
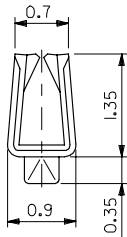
**Physical**

Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	36
Plating min: Mating (µm)	0.90
Plating min: Termination (µin)	36
Plating min: Termination (µm)	0.90
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	0.50-1.04mm (.020-.041")
Wire Size AWG	26
Wire Size AWG	28
Wire Size mm²	N/A

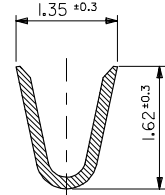
**Material Info**

注記  
NOTES

- 適合ハウジング：51021シリーズ  
APPLICABLE HOUSING : 51021 SERIES
- メッキ仕様 PLATING  
鍍 0.9μm MIN. リフロー処理 (前メッキ)  
TIN 0.9μm MIN. REFLOW TREATMENT (PRE-PLATED)



SECT. A-A



SECT. B-B

50079-8100	バラ状 LOOSE
50079-8000	連鎖状 CHAIN
	端子形状 FORM

MODEL NO.	50079-8*00	MATERIAL NO.	
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材料 MATERIAL	リン青銅 (I=0.15) PHOSPHOR BRONZE
仕上げ FINISH	#
適用巻線範囲 WIRE RANGE	AWG #26-28
巻線外径 INS. RANGE	φ0.5-1.04

REVISED	2004/11/30	2004/11/30	2004/12/06
DRW: NESUZUKI	CHK: KOTOJO	APP: NIKITA	
DESCRIPTION			

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
HHIRAMOT	92/10/21
CHECKED BY	DATE
SKUNISHI	98/07/07
APPROVED BY	DATE
MFUKUSHI	98/07/07
MATERIAL NO.	
SIZE	A3

SCALE	20:1	DESIGN UNITS	METRIC	THIRD ANGLE PROJECTION
TITLE				
1.25 WIRE TO BOARD CONN. CRIMP RECT. TERMINAL -LEAD FREE-				
MOLEX INCORPORATED				
DOCUMENT NO.	SD-50079-001			SHEET NO.
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				1 OF 1

10 9 8 7 6 5 4 3 2 1

F

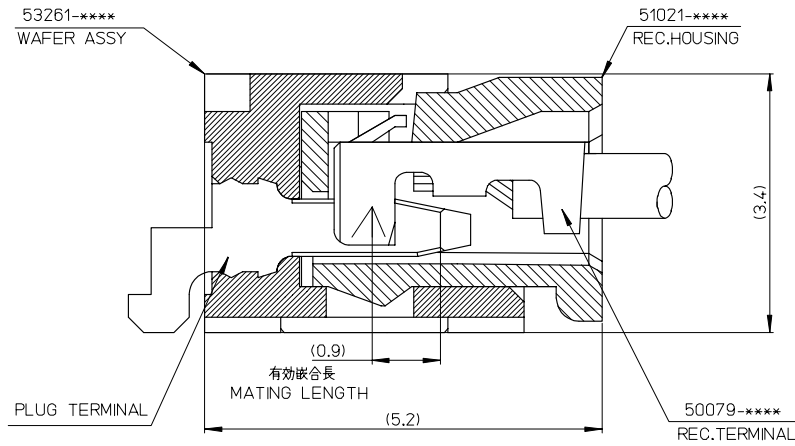
E

D

C

B

A



53261-****	WAFER ASSY	MODEL NO./MATERIAL NO.
50079-****	TERMINAL	
51021-****	HOUSING	

RELEASED EC NO: J2006-2426 DRWN: YAOYAGI CHKD: YMAEDA APPR: NUKITA	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	± ---	DRAWN BY Y. AOYAGI	DATE 2006/01/30	TITLE 1.25 W-T-O-B CONN. 51021,53261 MATING CROSS SECTION		
	10 OVER 30 UNDER	± ---	CHECKED BY Y. MAEDA	DATE 2006/01/30	MOLEX INCORPORATED		
	30 OVER	± ---	APPROVED BY N. UKITA	DATE 2006/01/30	DOCUMENT NO. SD-51021-002		
	ANGULAR	± --- °	MATERIAL NO. SEE CHART		SHEET NO. 1 OF 1		
0	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		

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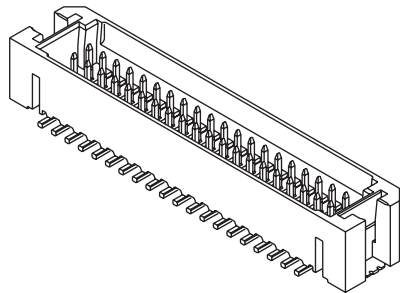
4

3

2

# 1.25mm (.049") Pitch Pico-Gold™ Wire-to-Board Header

**53505**  
Dual Row  
Vertical, SMT



**Features and Benefits**

- Sizes: 20, 30 and 40 circuits
- Mated height only 5.9mm

**Reference Information**

Packaging: Embossed tape  
Mates With: 51127  
Designed In: Millimeters

**Electrical**

Voltage: 125V  
Current: 1.0A  
Contact Resistance: 20 milliohms max.  
Dielectric Withstanding Voltage: 250V AC  
Insulation Resistance: 100 Megohms min.

**Physical**

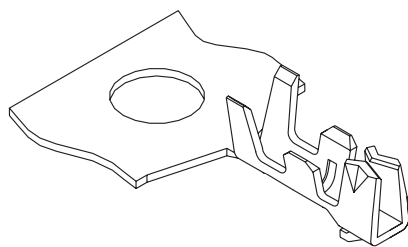
Housing: Glass-filled PPA, UL 94V-0  
Contact: Phosphor Bronze  
Contact Plating: Gold over Nickel  
Solder Tail Plating: Tin over Nickel  
Solder Tabs: Phosphor Bronze, Tin over Nickel plating  
Operating Temperature: -40 to +85°C

Circuits	Order No.	Carrier Tape Width	Lead-free
20	<a href="#">53505-2071</a>	32.00 (1.259)	Yes
30	<a href="#">53505-3071</a>	44.00 (1.732)	
40	<a href="#">53505-4071</a>		

Note: Contact Molex for for embossed tape specifications

# 1.25mm (.049") Pitch PicoBlade™ Wire-to-Board and Wire-to-Wire Crimp Terminal

**50079/50058**  
Female



**Features and Benefits**

- Locking tang for secure housing retention

**Reference Information**

Packaging: Reel or bag  
Use With: 51021  
Designed In: Millimeters

**Electrical**

Voltage: 125V  
Current: 1.0A (32 AWG—0.8A)  
Contact Resistance: 20 milliohms max.  
Dielectric Withstanding Voltage: 250V AC/1 min.  
Insulation Resistance: 100 Megohms min.

**Physical**

Contact: Phosphor Bronze  
Plating: Tin  
Wire Range: 26 to 28 AWG—50079  
28 to 32 AWG—50058  
Insulation Range: 50058—1.00mm dia. max.  
50079—1.04mm dia. max.  
Strip Length: 1.40 to 1.90mm

Order No.	Wire Range AWG	Terminal	Lead-free
<a href="#">50079-8000</a>	26 - 28	Reel	Yes
<a href="#">50058-8000</a>	28 - 32		
<a href="#">50079-8100</a>	26 - 28	Bag	
<a href="#">50058-8100</a>	28 - 32		

