



产品编号 : [1053071208](#)

Product Description : Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Glow-Wire Capable

系列号 : 105307

状态 : Active

Product Category : Connector Housings



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## 文件和资源

### 图纸

[图纸 1053071208\\_sd.pdf](#)

[包装设计图 PK-105307-100-000.pdf](#)

### 3D 模型和设计文件

[3D模型 1053071208\\_stp.zip](#)

### 规格

[应用规格 AS-105300-100-001.pdf](#)

[产品规格 1053001000-PS-CH-000.pdf](#)

[产品规格 1053001000-PS-ES-000.pdf](#)

[产品规格 1053001000-PS-JP-000.pdf](#)

[产品规格 1053001000-PS-SK-000.pdf](#)

[产品规格 PS-105300-100-001.pdf](#)

[测试摘要 1053000000-TS-000.pdf](#)

[测试摘要 1053001000-TS-000.pdf](#)

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## 产物环境合规

### 合规

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### [多部分产品合规性声明](#)

- Eu RoHS

- REACH SVHC

- Low-Halogen

多部分行业合规性文件

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

欧盟 RoHS 合格证书

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## 产品详情

### 常规

状态	活动
类别	Connector Housings
系列	105307
说明	Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Glow-Wire Capable
应用	Power, Wire-to-Board, Wire-to-Wire
个评论	Operating temperature is -40° to +105° for tin and -40° to +115° for gold
产品系列	Nano-Fit Power Connectors
产品名称	Nano-Fit
UPC	889056026499

### 机构

CSA	LR19980
UL	E29179

### 物理

电路数（最多）	8
颜色-树脂	黑色
阻燃性	94V-0
性别	Receptacle
符合灼热丝规范	是

插接极性	是
锁定插接部位	是
材料 - 树脂	Nylon
净重	0.850/g
行数	1
包装形式	Bag
面板安装式	否
间距 - 插配接口	2.50mm
间距 - 终端界面	2.50mm
有极性的插配件	是
运行温度范围	-40° to +105° C, -40° to +115° C

## 可配插/可连接使用的产品

### 可配插部件

描述	产品编号
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053091108</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053091208</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053091308</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053091408</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053111108</u>

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Solder Clips, 0.38 $\mu$ m Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053111208</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Solder Clips, 0.76 $\mu$ m Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053111308</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76 $\mu$ m Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054311108</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.38 $\mu$ m Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054311208</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76 $\mu$ m Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054311308</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76 $\mu$ m Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054311408</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053131108</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, 0.38 $\mu$ m Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053131208</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, 0.76 $\mu$ m Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053131308</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76 $\mu$ m Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054301108</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.38 $\mu$ m Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054301208</u>

Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054301308</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054301408</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Glow-Wire Capable	<u>2002771108</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2002771208</u>

## 可连接使用部件

描述	产品编号
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 150.00mm Length, 20 AWG, Black	<u><a href="/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582129.html">/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582129.html</a></u>
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 300.00mm Length, 20 AWG, Black	<u><a href="/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582130.html">/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582130.html</a></u>
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 150.00mm Length, 20 AWG, Black	<u><a href="/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582139.html">/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582139.html</a></u>
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 300.00mm Length, 20 AWG, Black	<u><a href="/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582140.html">/content/molex/molex-dot-com/cn/zh/products/product-page.html/797582140.html</a></u>
Nano-Fit Female Crimp Terminals	<u>105300</u>
Nano-Fit Terminal Position Assurance (TPA) Retainers	<u>105325</u>

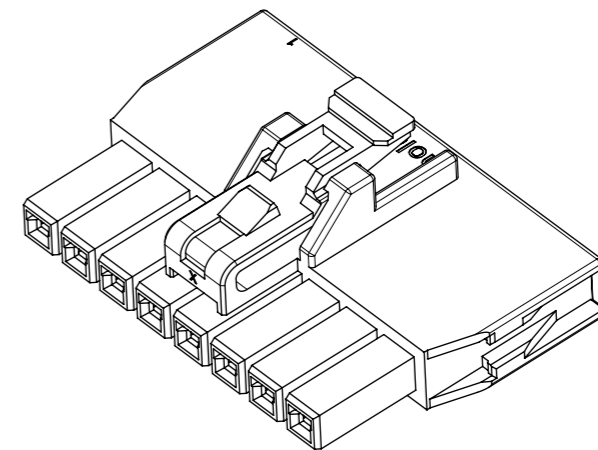
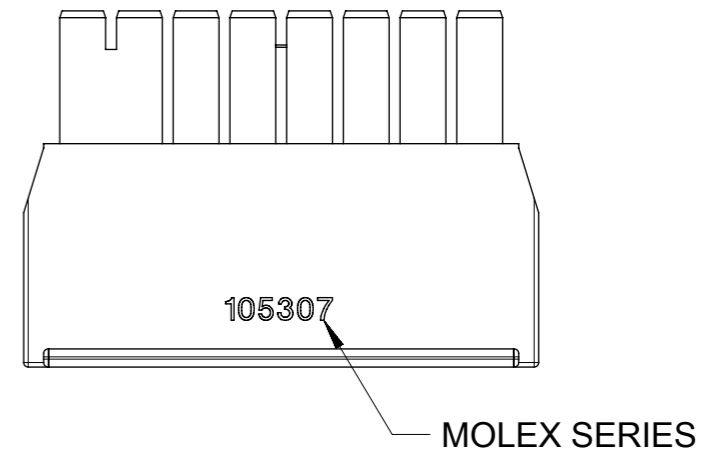
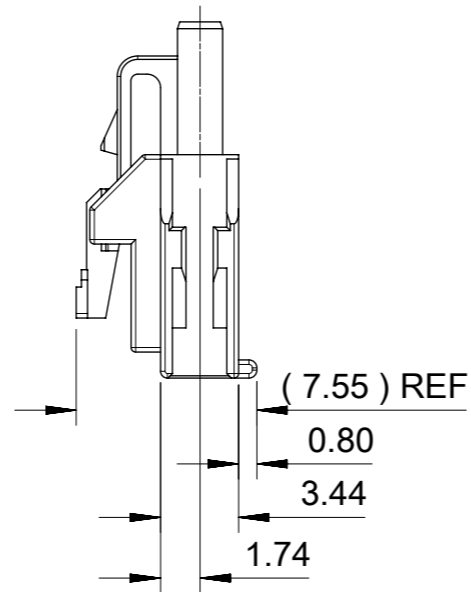
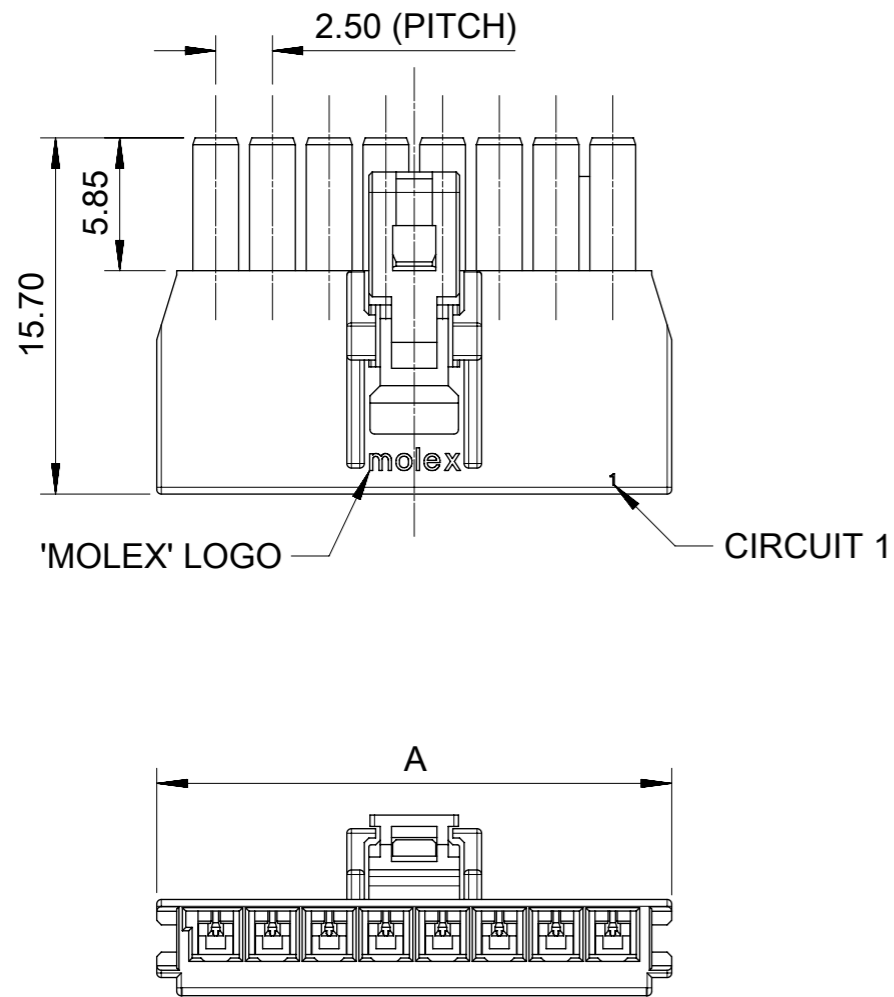
## 施工工具

### 全局

描述	产品编号
Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	<u>0638244600</u>

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This document was generated on Feb 27, 2024



NOTES:

1. MATERIAL:

OPTION 1: PA4T, 30% GLASS FILLED, 94V-0, BLACK

OPTION 2: PA4T, 30 GLASS FILLED, 94V-0, NATUAL.

2. PRODUCT SPECIFICATION: PS-105300-100.

3. PACKAGE SPECIFICATION: PK-105307-100.

4. THE COMPONENT COMPLIANT TO RoHS DIRECTIVE 2011/65/EU AND ELV DIRECTIVE 2000/53/EC.

5. TO MATE WITH TERMINAL OF 105300-\*\*\*\*.

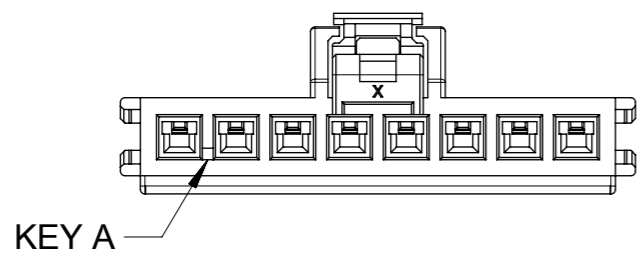
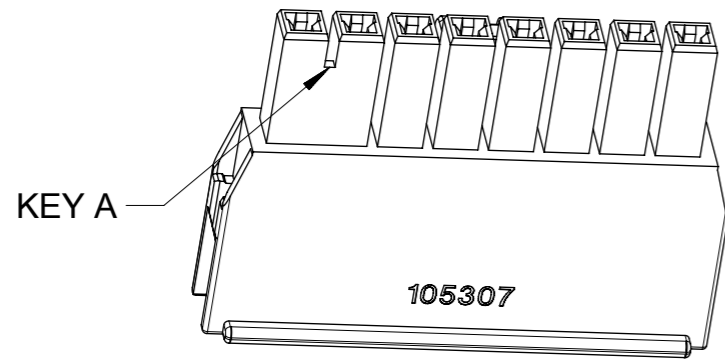
TO MATE WITH TPA OF 105325-\*\*\*\*.

TO MATE WITH HEADER OF 105309-\*\*\*\*, 105311-\*\*\*\* AND 105313-\*\*\*\*.

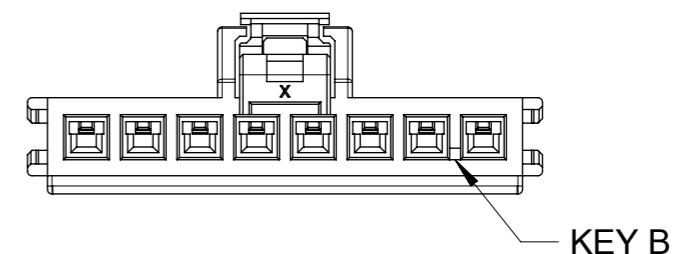
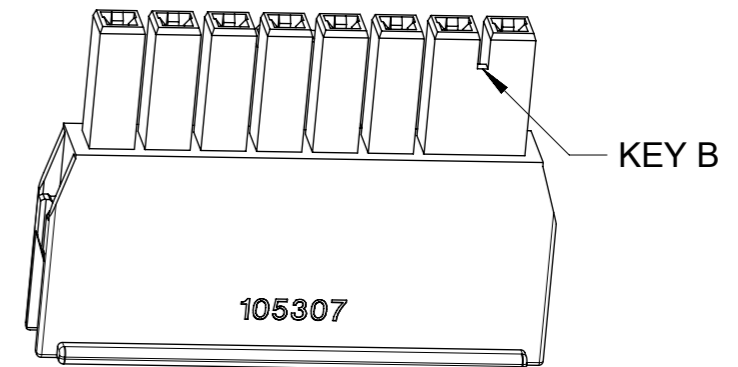
6. PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

7. APPLICATION SPECIFICATION: AS-105300-100.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
QUALITY SYMBOLS	2018/09/21 2019/04/17 2019/04/17	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE							
		ANGULAR TOL ± 3.0 °		mm	3:1							
▽A = 0	EC NO: 614394 DRWN: GLLI CHK'D: AYIN APP: AYIN	4 PLACES ±	DRWN BY	DATE		<b>RECEPTACLE OF NANO-FIT, S/R, TPA POWER CONNECTOR</b>						
▽E = 0		3 PLACES ±		GLLI	2014/08/13							
▽EB = 0		2 PLACES ± 0.2	CHK'D BY		DATE		<b>PRODUCT CUSTOMER DRAWING</b>					
▼ = 0		1 PLACE ± 0.3	APPR BY		DATE							
▽C = 0		0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	SERIES	MATERIAL NUMBER	CUSTOMER			
⊗ = 0		A3	A3		105307	SEE SHEET 4	GENERAL MARKET					
■ = 0	REV	E		SD-105307-100		DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER			
▽ = 0							PSD	000	1 OF 4			



BLACK



NATURAL

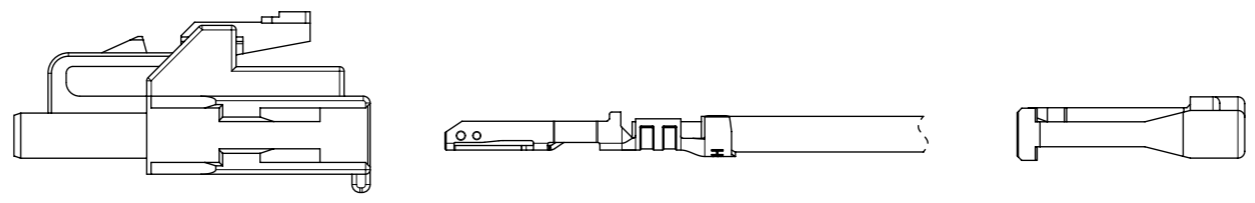
COLOR OPTION

<b>QUALITY SYMBOLS</b> ▽ <sub>A</sub> = 0 ▽ <sub>E</sub> = 0 ▽ <sub>F</sub> = 0 ▼ = 0 ▽ = 0 ⊠ = 0 ■ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
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				ANGULAR TOL ± 3.0 °		mm	3:1					
				4 PLACES ±	DRWN BY		DATE		RECEPTACLE OF NANO-FIT, S/R, TPA POWER CONNECTOR			
				3 PLACES ±	GLLI		2014/08/13					
				2 PLACES ± 0.2	CHK'D BY		DATE					
			1 PLACE ± 0.3	APPR BY		DATE		PRODUCT CUSTOMER DRAWING				
			0 PLACES ±	AYIN		2015/04/08		SERIES	MATERIAL NUMBER	CUSTOMER		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE	THIRD ANGLE PROJECTION			105307	SEE SHEET 4	GENERAL MARKET		
				A3				DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
			SD-105307-100		PSD	000	2 OF 4					



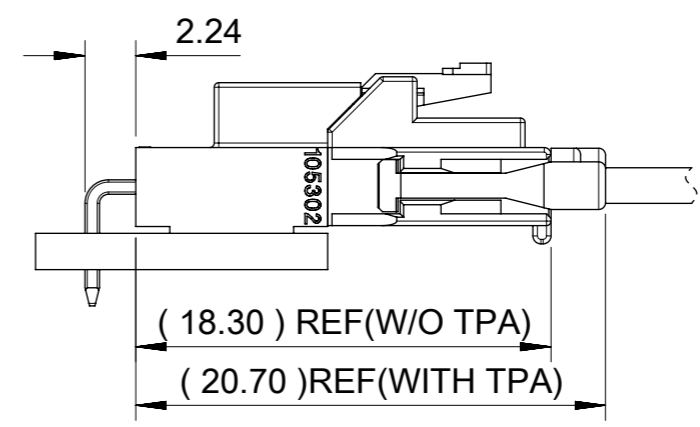
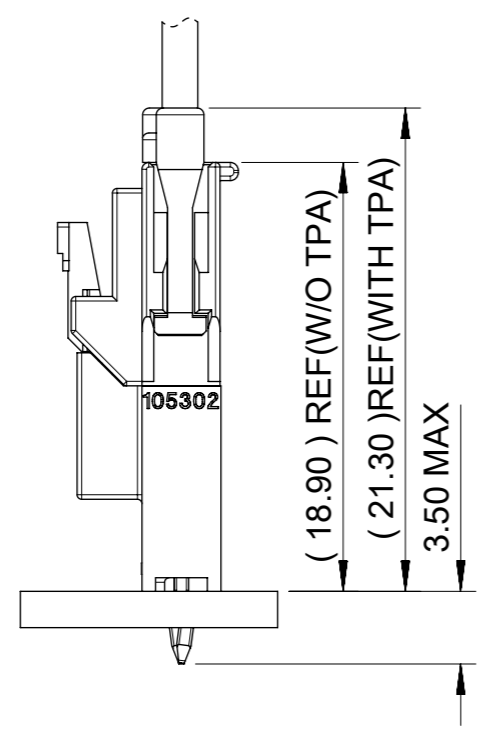
9 8 7 6 5 4 3 2 1

E



TERMINAL AND TPA ORIENTATION

D



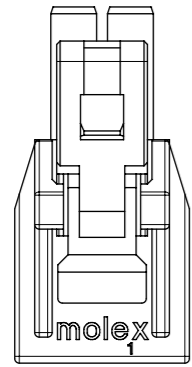
C

B

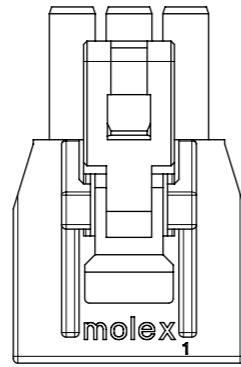
A

<b>QUALITY SYMBOLS</b> ▽A = 0 ▽E = 0 ▽F = 0 ▼ = 0 ▽C = 0 ⊗ = 0 ■ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	2018/09/21	2019/04/17	2019/04/17	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE			
	DRWN: GLLI	CHK'D: AYIN	APPR: AYIN	ANGULAR TOL ± 3.0 °		mm	3:1			
	EC NO: 614394 DRWN: GLLI CHK'D: AYIN APPR: AYIN	4 PLACES	±	4 PLACES ±		DRWN BY	DATE	RECEPTACLE OF NANO-FIT, S/R, TPA POWER CONNECTOR		
		3 PLACES	±	3 PLACES ±		GLLI	2014/08/13			
		2 PLACES	± 0.2	2 PLACES ± 0.2		CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING		
		1 PLACE	± 0.3	1 PLACE ± 0.3		AYIN	2015/04/08			
		0 PLACES	±	0 PLACES ±		APPR BY	DATE	SERIES	MATERIAL NUMBER	CUSTOMER
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	105307	SEE SHEET 4	GENERAL MARKET	
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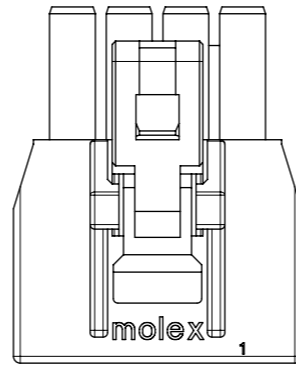
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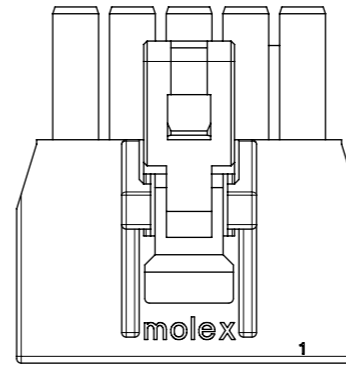
2 CKT



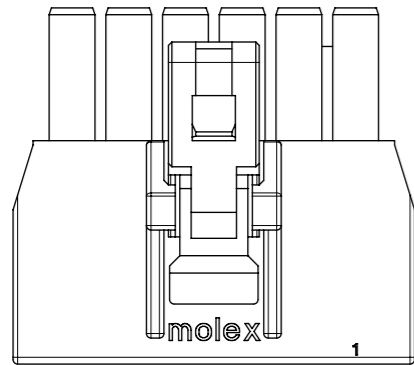
3 CKT



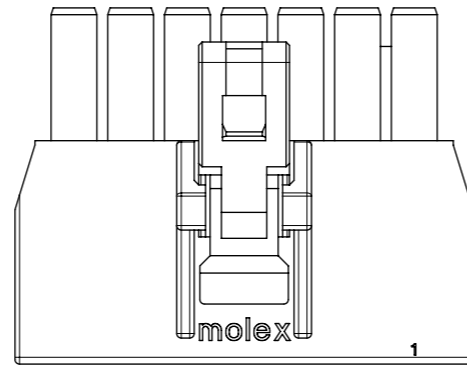
4 CKT



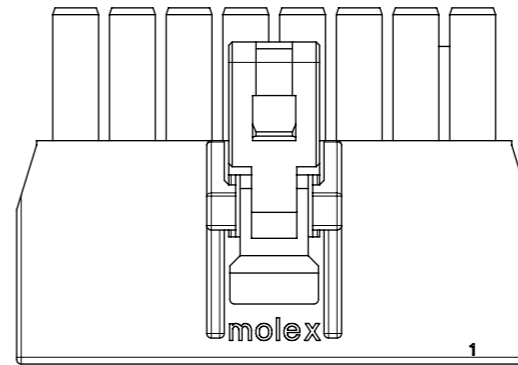
5 CKT



6 CKT



7 CKT



8 CKT

WITH TPA FEATURE			
PART No	DIM 'A'	CKT SIZE	COLOR
105307-1202	7.70	2	BLACK (KEY A)
105307-1203	10.20	3	
105307-1204	12.70	4	
105307-1205	15.20	5	
105307-1206	17.70	6	
105307-1207	20.20	7	
105307-1208	22.70	8	
105307-2202	7.70	2	
105307-2203	10.20	3	
105307-2204	12.70	4	
105307-2205	15.20	5	
105307-2206	17.70	6	
105307-2207	20.20	7	
105307-2208	22.70	8	

105307- \* \* \* \*

CIRCUIT SIZE

TPA OPTION: 1 - STANDARD  
2 - WITH TPA

COLOR OPTION: 1 - BLACK  
2 - NATURAL

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QUALITY SYMBOLS	2018/09/21 DRWN: GLLI	2019/04/17 CHK'D: AYIN	2019/04/17 APPR: AYIN	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
				ANGULAR TOL ± 3.0 °		mm	3:1				
▽A = 0	EC NO: 614394	DRWN: GLLI	CHK'D: AYIN	APPR: AYIN	4 PLACES ±	DRWN BY	DATE				
▽E = 0					3 PLACES ±						
▽B = 0					2 PLACES ± 0.2	CHK'D BY	DATE				
▽ = 0					1 PLACE ± 0.3						
▽C = 0					0 PLACES ±	APPR BY	DATE				
▽D = 0					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
▽ = 0	E		REV	3	A3						
RELEASE STATUS		P1	RELEASE DATE		2019/04/17	04:07:46					