

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5031590710](#)
Status: **Active**
Description: 1.50mm (.059") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Single Row, Through Hole, Vertical, without Peg, 7 Circuits

Documents:
[3D Model](#) [Product Specification PS-503159-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

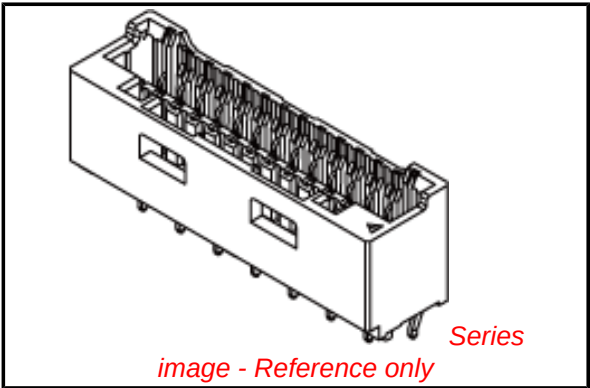
General
Product Family PCB Receptacles
Series [503159](#)
Application Wire-to-Board
Product Name CLIK-Mate™

Physical
Circuits (Loaded) 7
Color - Resin Beige
Durability (mating cycles max) 30
Glow-Wire Compliant No
Guide to Mating Part Yes
Keying to Mating Part Yes
Lock to Mating Part Yes
Material - Metal Copper Alloy
Material - Plating Mating Tin
Material - Plating Termination Tin
Number of Rows 1
Orientation Vertical
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.059 In
Pitch - Mating Interface (mm) 1.50 mm
Polarized to Mating Part Yes
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -25°C to +85°C
Termination Interface: Style Through Hole

Electrical
Current - Maximum per Contact 2A
Voltage - Maximum 100V

Material Info

Reference - Drawing Numbers
Product Specification PS-503159-001, RPS-503159-001, RPS-503159-003
Sales Drawing SD-503159-002



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS



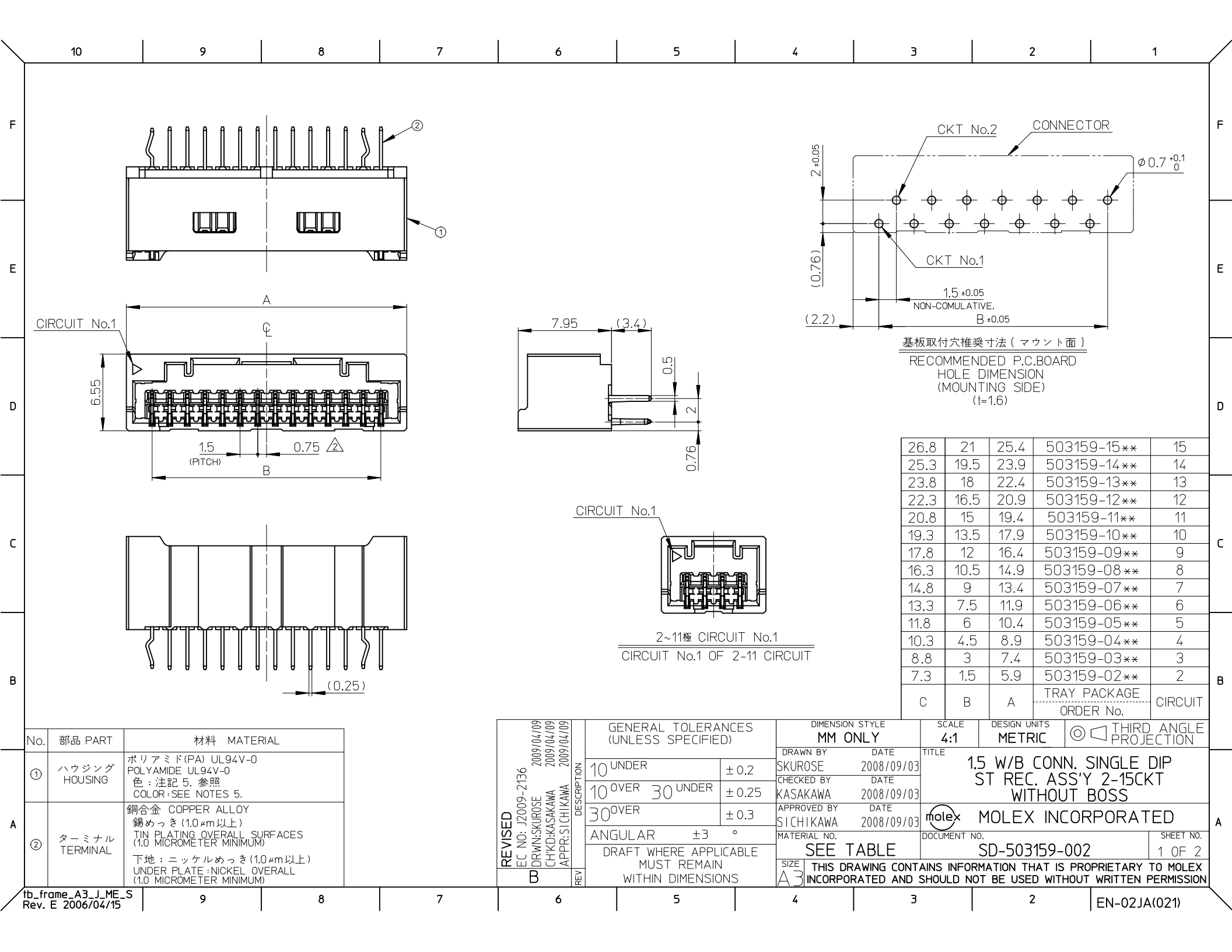
Need more information on product environmental compliance?

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
[503159Series](#)

Mates With
[502578](#) Crimp Housing . [502579](#) Crimp Terminal



10

9

8

7

6

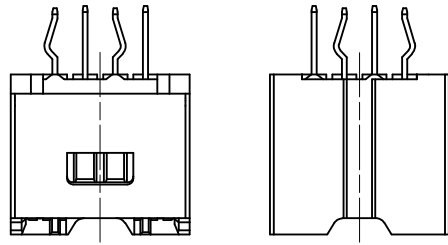
5

4

3

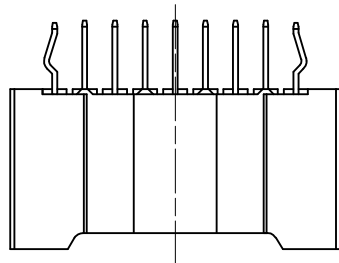
2

1



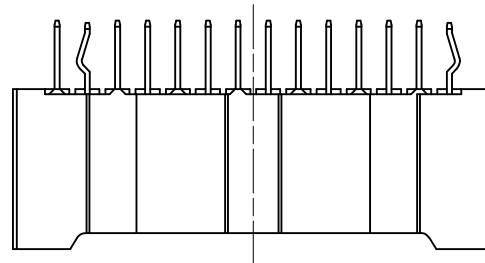
2~5 極形状 (ロック面及び反ロック面)

FIGURE OF 2-5 CIRCUIT (LOOK SIDE AND UN-LOCK SIDE)



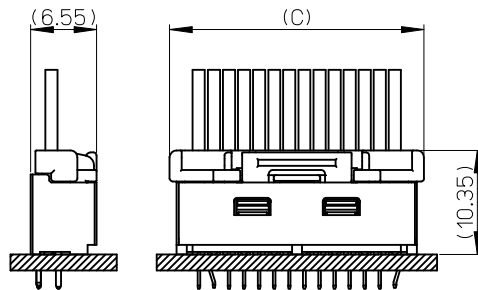
6~10 極形状 (反ロック面)

FIGURE OF 6-10 CIRCUIT (UN-LOCK SIDE)



11~15 極形状 (反ロック面)

FIGURE OF 11-15 CIRCUIT (UN-LOCK SIDE)



嵌合図 (SCALE 2:1)

MATED CONNECTORS (SCALE 2:1)

NOTES

1. 嵌合相手 : 502578 シリーズ
MATE WITH : 502578 SERIES.
2. 極数/2 = 偶数に適用
APPLY FOR CIRCUIT SIZE/2=EVEN.
3. 端子テール部に錫めっきを使用している為、外観に摺動痕が付く場合があります。
THE WOUND OF FRICTION MIGHT ADHERE TO EXTERNALS
BECAUSE THE TIN PLATING IS USED FOR THE TAIL.
4. 製品番号
MATERIAL No.

503159-***

極数
CIRCUIT SIZE
ボス、色
BOSS, COLOR

ボス無し

CIRCUIT	No.	COLOR
02~15	0	ベージュ BEIGE
	1	黒 BLACK
	2	赤 RED
	3	黄 YELLOW
	4	青 BLUE
	5	桃 PINK
	6	緑 GREEN
	7	茶 BROWN
	8	橙 ORANGE
	9	紫 VIOLET
02	3	4 水 PALE BLUE

5. 本製品のプラスチック部に黒点・白点等が確認される場合や色合いが異なる場合がありますが、製品性能に影響はありません。
THERE IS NO INFLUENCE IN THE PRODUCT PERFORMANCE THOUGH THE BLACK AND WHITE SPOT ETC. MIGHT BE CONFIRMED TO THE PLASTIC PART OF THIS PRODUCT AND THE SHADE MIGHT BE DIFFERENT.
6. ELV及びRoHS 適合品
ELV AND RoHS COMPLIANT
7. ボス有形状は“SD-503159-001”を参照願います。
REFER TO “SD-503159-001” FOR WITH BOSS.

REVISED EC NO: J2009-2136 DRWN:SKUROSE 2009/04/09 CHKD:KASAKAWA 2009/04/09 APPR:SI CHIKAWA 2009/04/09	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY SKUROSE	DATE 2008/09/03	TITLE 1.5 W/B CONN. SINGLE DIP ST REC. ASS'Y 2-15CKT WITHOUT BOSS				
		10 OVER 30 UNDER	± 0.25	CHECKED BY KASAKAWA	DATE 2008/09/03					
		30 OVER	± 0.3	APPROVED BY SICHIKAWA	DATE 2008/09/03	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-503159-002		2 OF 2			
B	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9

8

7

6

5

4

3

2