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Part Number:

5024940470

Status:

Active

Description:

2.00mm (.079") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Single Row, Right Angle, 4 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-502443-001 (PDF)

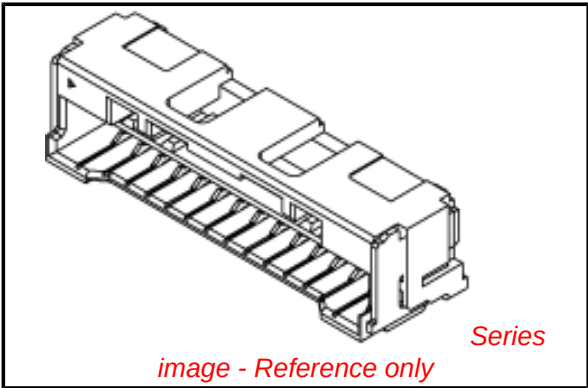
RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	502494
Application	Wire-to-Board
MolexKits	Yes
Product Name	CLIK-Mate™
Physical	
Circuits (Loaded)	4
Circuits (maximum)	4
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height (in)	0.272 In
Mated Height (mm)	6.90 mm
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	80.000
Plating min: Mating (µm)	2.00
Plating min: Termination (µin)	40.000
Plating min: Termination (µm)	1.00
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	3A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers	
Application Specification	AS-502439-001, AS-502439-002
Packaging Specification	SPK-502494-001



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

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

502494Series

Mates With

502439 Crimp Housing

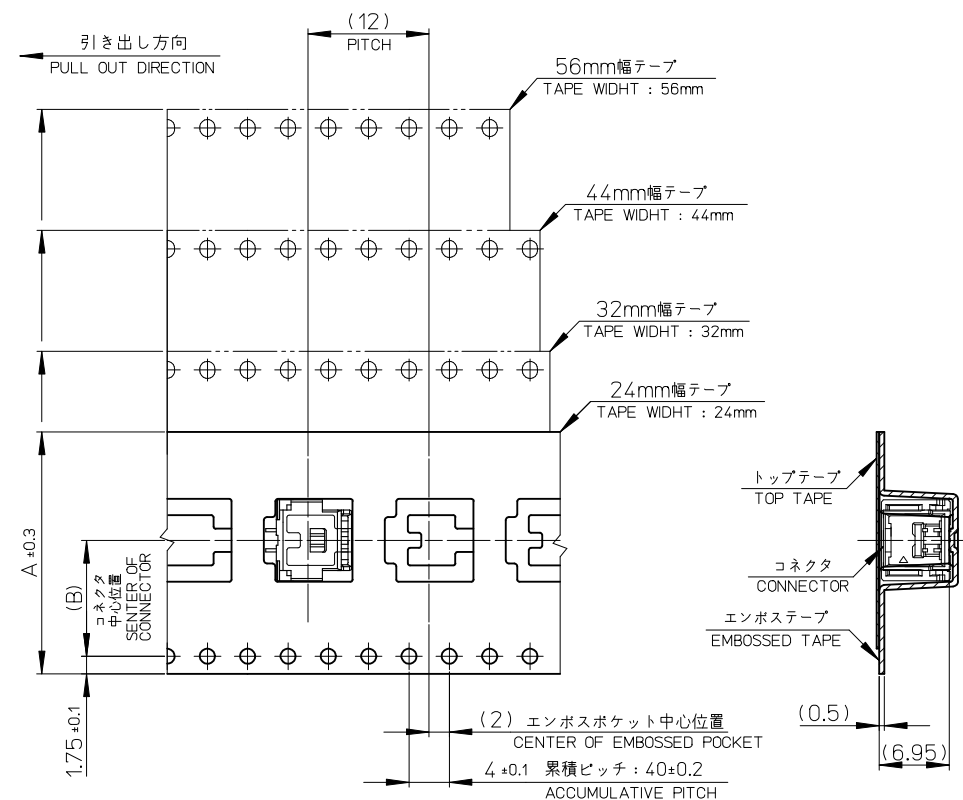
Product Specification

Sales Drawing

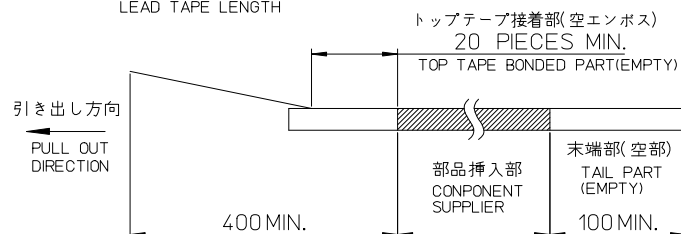
PS-502443-001, RPS-502443-001, RPS-502443-007,
RPS-502494-001
SD-502494-001, SD-502494-002

This document was generated on 06/07/2010

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1. 製品詳細寸法については、SD-502494-002を参照下さい。
PLEASE REFER TO SD-502494-002 FOR THE DETAILED DIMENSION
OF THE CONNECTOR.
2. 梱包数量：950 個
NUMBER OF CONNECTIONS：950 PIECES/REEL.
3. リードテープ長さ
LEAD TAPE LENGTH



4. 材料
MATERIAL
キャリアテープ : ポリスチレン
CARRIER TAPE : POLYSTYRENE
トップテープ : ポリエステル、ポリエチレン、ポリエチレンテレフタレート
TOP TAPE : POLYESTER, POLYETHYLENE, POLYETHYLENE TEREPHTHALATE
リール : ポリスチレン <リサイクル材を含む>
REEL : POLYSTYRENE <RECYCLE MATERIAL CONTAINED>
5. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT

57.5	26.2	56	502494-1470	14
45.5	20.2	44	502494-1370	13
45.5	20.2	44	502494-1270	12
45.5	20.2	44	502494-0870	8
33.5	14.2	32	502494-0670	6
25.5	11.5	24	502494-0470	4
C	B	エンボスステップ幅 WIDTH OF TAPE	製品番号 MATERIAL NO.	極数 CKT. NO.

REVISED EC NO: J2010-0767 DRAWN BY CHIKO KASAKAWA APPR: NUKITA	2009/10/20 2009/10/20 2009/10/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
			10 UNDER	± 0.2	DRAWN BY NITO	DATE 2007/01/11	TITLE EMBOSSD TAPE PACKAGE FOR 502494			
			10 OVER 30 UNDER	± 0.25	CHECKED BY KASAKAWA	DATE 2007/01/11				
			30 OVER	± 0.3	APPROVED BY YOITO	DATE 2007/01/11		 MOLEX INCORPORATED		
			ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502494-001		1 OF 1	
		REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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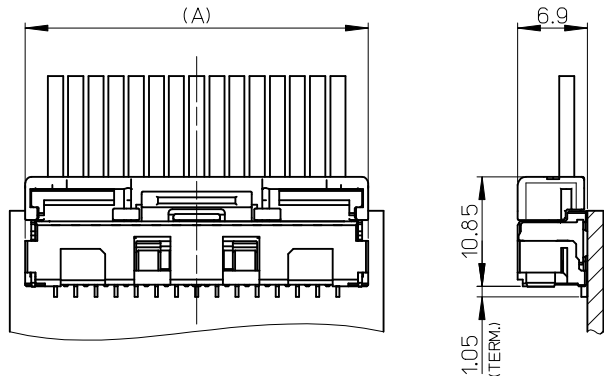
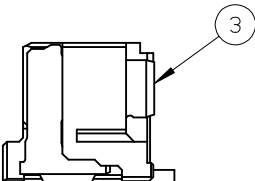
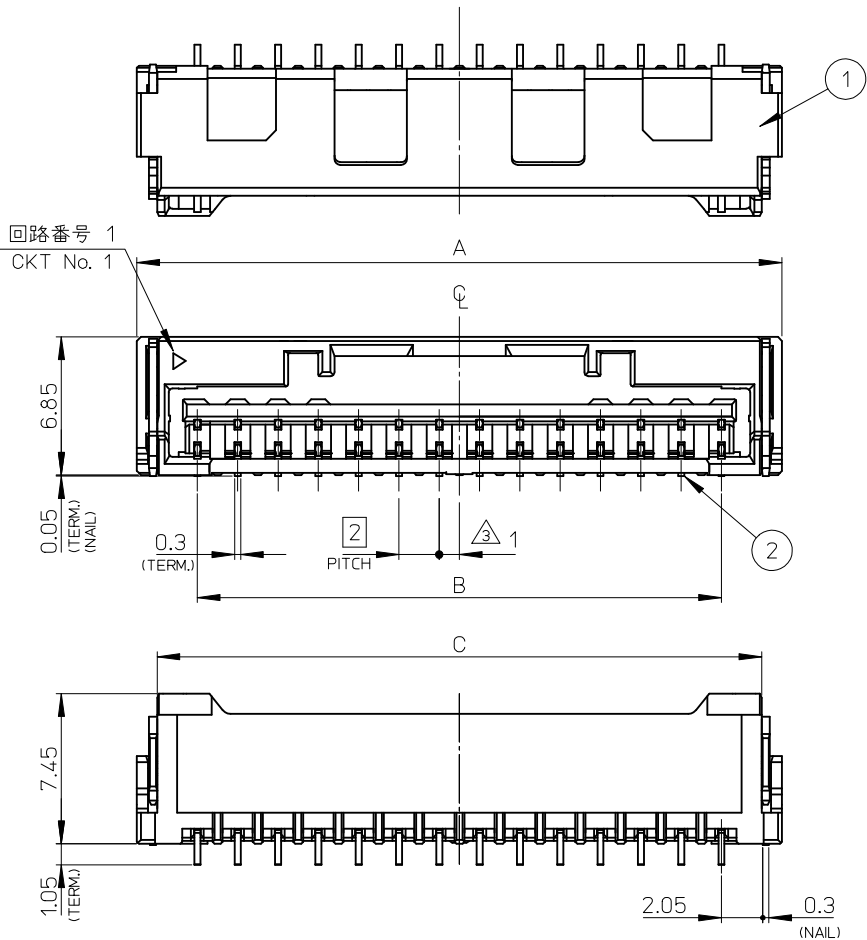
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NOTES

1. 嵌合相手 : 502438-**00
MATE WITH : 502438-**00
2. 端子テール部 及び ネイルの平坦度 : 0.1MAX.
TAIL AND NAIL COPLANARITY TO BE 0.1 MAX.
- ③ 極数 / 2 = 偶数に適用 .
APPLY FOR CKT. SIZE / 2 = EVEN.
4. 端子テール部 及び ネイルに錫めっきを使用しているため、
外観に摺動痕が付く場合が御座います。
THE WOUND OF FRICTION MIGHT ADHERE TO EXTERNALS
BECAUSE THE TIN PLATING IS USED FOR THE TAIL AND NAIL.
5. 本製品のプラスチック部に黒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 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



嵌合図 MATED CONNECTORS
(SCALE : 2-1)

5.2	30	26	32	502494-1470	14
5.2	28	24	30	502494-1370	13
5.2	26	22	28	502494-1270	12
5.2	18	14	20	502494-0870	8
4	14	10	16	502494-0670	6
7.6	10	6	12	502494-0470	4
D	C	B	A	EMBOSSED TAPE PACKAGE 注文番号 ORDER No.	極数 CKT. NO.

番号 NO.	部品 PART	材質 MATERIAL
①	ハウジング HOUSING	耐熱性樹脂 UL94V-0 色 : ナチュラル HEATPROOF RESIN UL94V-0 COLOR:NATURAL
②	ターミナル TERMINAL	銅合金 COPPER ALLOY 錫めっき : 1.0 micro-meter MIN. TIN (TAIL AREA) ニッケルめっき(下地) : 1.0 micro-meter MIN. NICKEL (UNDER PLATING)
③	ネイル NAIL	銅合金 COPPER ALLOY 錫めっき : 1.0 micro-meter MIN. TIN ニッケルめっき(下地) : 1.0 micro-meter MIN. NICKEL (UNDER PLATING)

REVISED EC NO: J2010-0767 2009/10/20 DRWN:NITO CHKD:KASAKAWA APPR:NUKITA 2009/10/21	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY NITO	DATE 2007/01/11	TITLE 2.0 W/B CONN. SINGLE R/A REC. ASSY 2-15CKT -LEAD FREE- MOLEX INCORPORATED				
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		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502494-002		1 OF 2		
D		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

10 9 8 7 6 5 4 3 2 1

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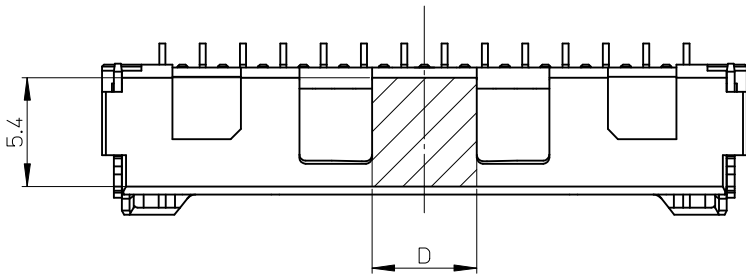
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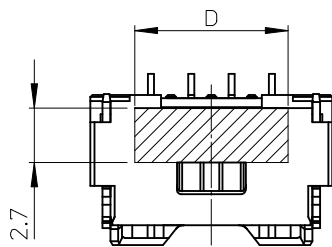
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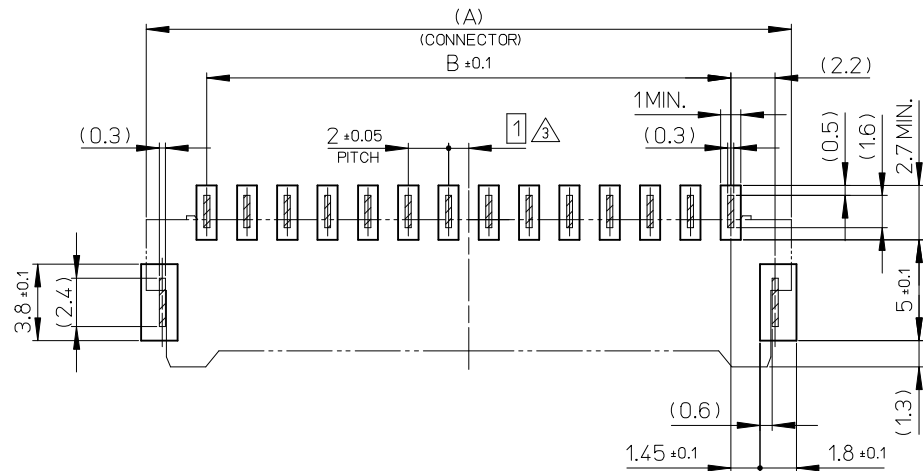
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吸着エリア 6~14 極
VACUME AREA 6~14CKT



吸着エリア 4 極
VACUME AREA 4CKT



基板パターンレイアウト(参考)
RECCOMENDED P.C.B. PATTERN LAYOUT (REF.)

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	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502494-002		2 OF 2	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			