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Part Number: [5031542890](#)
Status: **Active**
Description: 1.50mm (.059") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Dual Row, Vertical, 28 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-503154-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

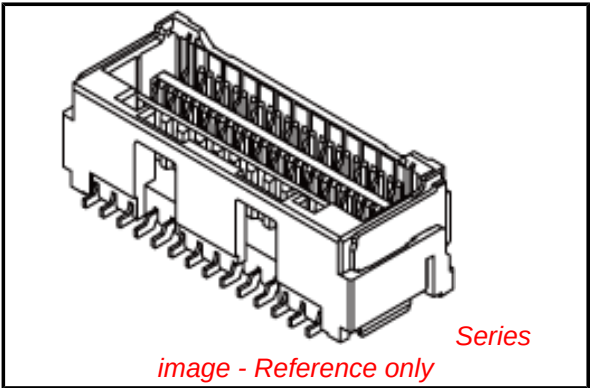
General	
Product Family	PCB Receptacles
Series	503154
Application	Wire-to-Board
Product Name	CLIK-Mate™
Physical	
Circuits (Loaded)	28
Color - Resin	Beige
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height (in)	0.441 In
Mated Height (mm)	11.20 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
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	Surface Mount

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

Material Info

Reference - Drawing Numbers

Application Specification	AS-503149-001
Packaging Specification	SPK-503154-001
Product Specification	PS-503154-001, RPS-503154-001, RPS-503154-002, RPS-503154-003, RPS-503154-004, RPS-503154-005
Sales Drawing	SD-503154-001, SD-503154-002



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
[503154Series](#)

Mates With
[503149](#) Crimp Housing . [502579](#) Crimp Terminal

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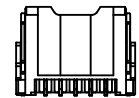
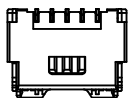
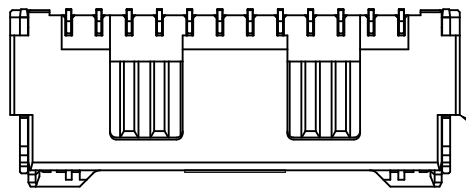
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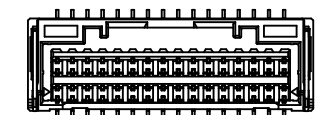
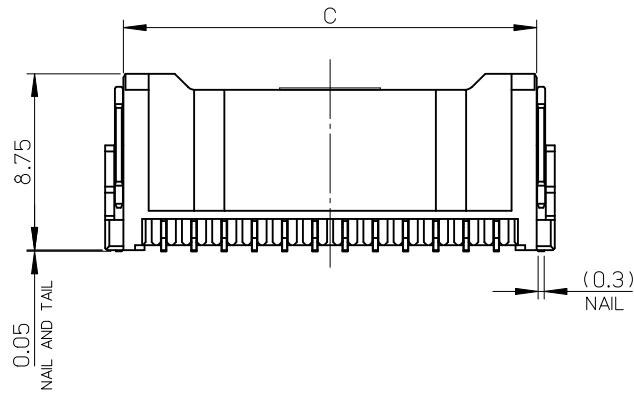
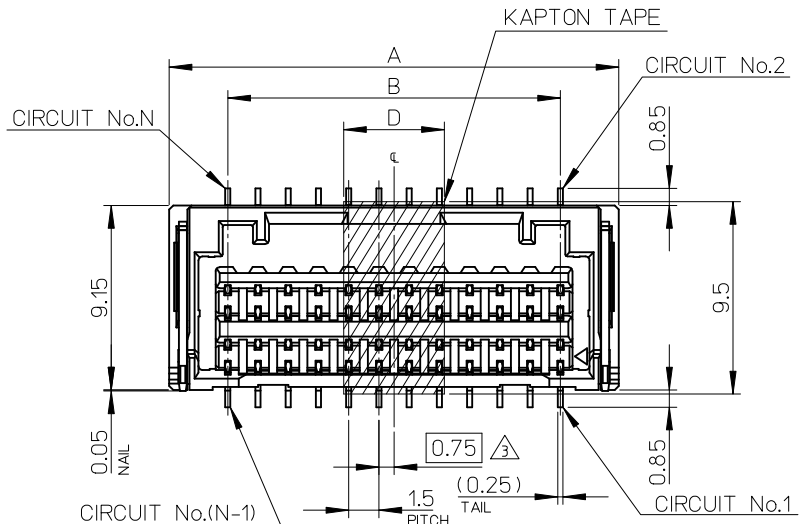
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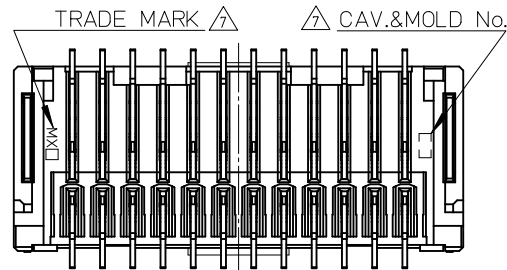


8,10極ハウジング形状
(HOUSING FORM OF 8,10CKT)
SCALE 2:1



30,32極ハウジング形状
(HOUSING FORM OF 30,32CKT)
SCALE 2:1

No.	PART	MATERIAL
①	HOUSING	耐熱性樹脂 UL94V-0 HEATPROOF RESIN UL94V-0
②	TERMINAL A	銅合金 COPPER ALLOY 錫メッキ : 1.0 micro-meter MIN. TIN
③	TERMINAL B	ニッケルメッキ (下地) : 1.0 micro-meter MIN. NICKEL (UNDER PLATING)
④	NAIL	銅合金 COPPER ALLOY 錫メッキ : 1.0 micro-meter MIN. TIN ニッケルメッキ (下地) : 1.0 micro-meter MIN. NICKEL (UNDER PLATING)



503154 - 329*	5	26.5	22.5	28.3	32
503154 - 309*	5	25.0	21.0	26.8	30
503154 - 289*	4	23.5	19.5	25.3	28
503154 - 249*	4	20.5	16.5	22.3	24
503154 - 229*	4	19.0	15.0	20.8	22
503154 - 209*	4	17.5	13.5	19.3	20
503154 - 169*	4	14.5	10.5	16.3	16
503154 - 129*	3	11.5	7.5	13.3	12
503154 - 109*	3	10	6.0	11.8	10
503154 - 089*	3	8.5	4.5	10.3	8
EMBOSSED TAPE PACKAGE オーダー番号 ORDER No.		D	C	B	A
		CIRCUIT			

REVISED EC NO: J2010-2056 DRWN: YG010 CHKD: KASAKAWA APPR: NUKITA 2010/02/04 2010/04/16 2010/04/17	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION					
	10 UNDER ±0.2		DRAWN BY T. HANYU		DATE 2007/11/27		TITLE 1.5 W/B CONN. DUAL ST REC. ASSY		MOLEX INCORPORATED					
	10 OVER 30 UNDER ±0.25		CHECKED BY K. ASAKAWA		DATE 2007/11/27									
	30 OVER ±0.3		APPROVED BY Y. ITO		DATE 2007/11/27									
	ANGULAR ±1 °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-503154-001		SHEET NO. 1 OF 3							
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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△ ORDER No. AND CONNECTOR SERIES No.

HOUSING COLOR : BEIGE (NATURAL)			HOUSING COLOR : BLACK		HOUSING COLOR : RED	
32	503154 - 3290	503154 - **90	503154 - 3291	503154 - **91	503154 - 3292	503154 - **92
30	503154 - 3090		503154 - 3091		503154 - 3092	
28	503154 - 2890		503154 - 2891		503154 - 2892	
24	503154 - 2490		503154 - 2491		503154 - 2492	
22	503154 - 2290		503154 - 2291		503154 - 2292	
20	503154 - 2090		503154 - 2091		503154 - 2092	
16	503154 - 1690		503154 - 1691		503154 - 1692	
12	503154 - 1290		503154 - 1291		503154 - 1292	
10	503154 - 1090		503154 - 1091		503154 - 1092	
8	503154 - 0890		503154 - 0891		503154 - 0892	
CIRCUIT	EMBOSSSED TAPE PACKAGE	CONNECTOR SERIES No.	EMBOSSSED TAPE PACKAGE	CONNECTOR SERIES No.	EMBOSSSED TAPE PACKAGE	CONNECTOR SERIES No.
	オーダー番号 ORDER No.	コネクタシリーズ番号	オーダー番号 ORDER No.	コネクタシリーズ番号	オーダー番号 ORDER No.	コネクタシリーズ番号

HOUSING COLOR : BLUE			HOUSING COLOR : GREEN		
32	503154 - 3294	503154 - **94	503154 - 3296	503154 - **96	
30	503154 - 3094		503154 - 3096		
28	503154 - 2894		503154 - 2896		
24	503154 - 2494		503154 - 2496		
22	503154 - 2294		503154 - 2296		
20	503154 - 2094		503154 - 2096		
16	503154 - 1694		503154 - 1696		
12	503154 - 1294		503154 - 1296		
10	503154 - 1094		503154 - 1096		
8	503154 - 0894		503154 - 0896		
CIRCUIT	EMBOSSSED TAPE PACKAGE オーダー番号 ORDER No.	CONNECTOR SERIES No. コネクタシリーズ番号	EMBOSSSED TAPE PACKAGE オーダー番号 ORDER No.	CONNECTOR SERIES No. コネクタシリーズ番号	

REVISED	EC NO: J2010-2056	2010/02/04	DRWN: YGOTO	CHKD: KASAKAWA	2010/04/16	2010/04/17	APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
									10 UNDER	± 0.2	DRAWN BY T. HANYU	DATE 2007/11/27	1.5 W/B CONN. DUAL ST REC. ASSY			
									10 OVER 30 UNDER	± 0.25	CHECKED BY K. ASAKAWA	DATE 2007/11/27				
									30 OVER	± 0.3	APPROVED BY Y.O. ITO	DATE 2007/11/27	MOLEX INCORPORATED			
									ANGULAR ±1 °		MATERIAL NO.					
REV	G	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503154-001		3 OF 3								
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														

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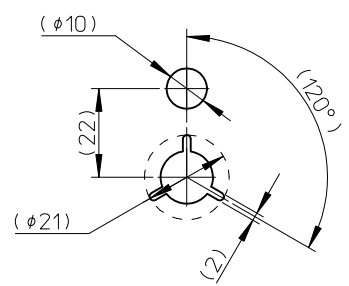
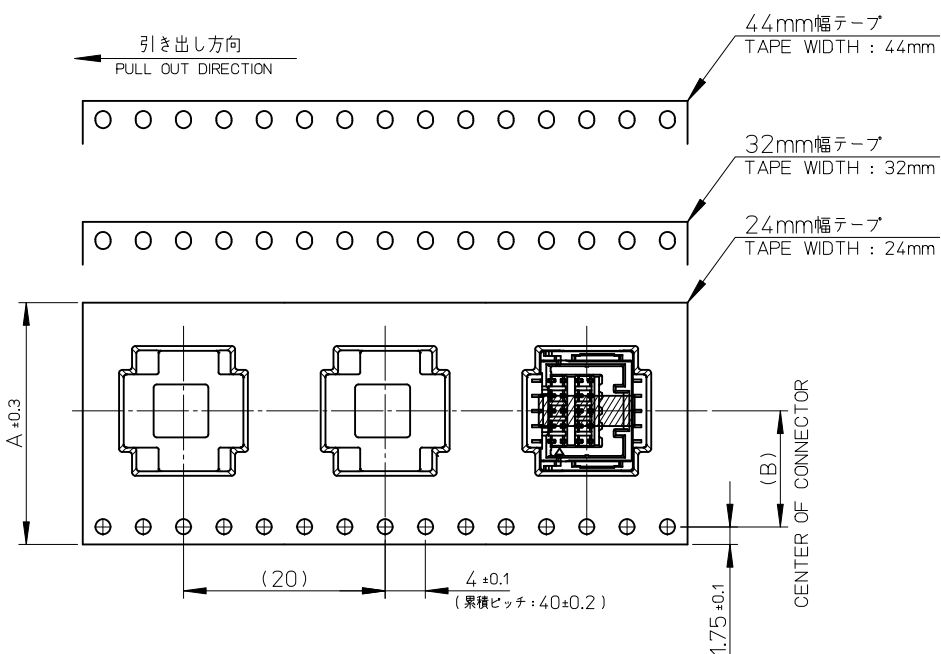
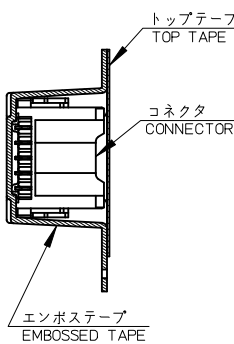
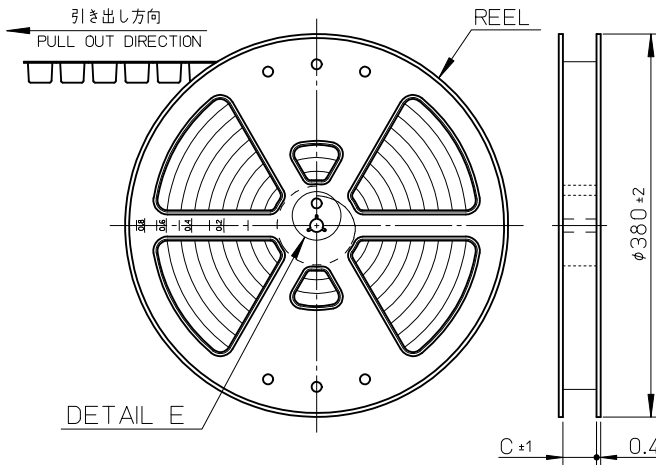
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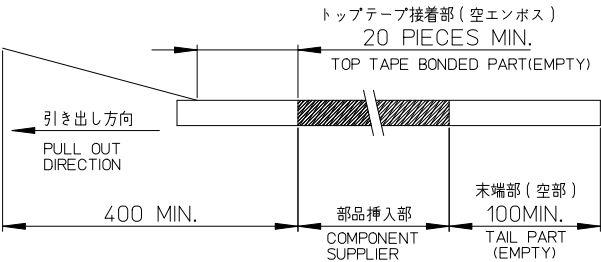
DETAIL E

45.5	20.2	44	503154-329*	32
45.5	20.2	44	503154-309*	30
45.5	20.2	44	503154-289*	28
45.5	20.2	44	503154-249*	24
45.5	20.2	44	503154-229*	22
45.5	20.2	44	503154-209*	20
33.5	14.2	32	503154-169*	16
33.5	14.2	32	503154-129*	12
25.5	11.5	24	503154-109*	10
25.5	11.5	24	503154-089*	8
C	B	エンボステープ幅 A WIDTH OF TAPE	△5 製品番号 MATERIAL No.	CIRCUIT No.

REVISED EC NO. J2010-2056 DRWN: YGOTO CHKD: KASAKAWA APPR: NUKITA REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY T. HANYU	DATE 2007/11/27	TITLE EMBOSSED TAPE PACKAGE FOR 503154-****				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. ASAKAWA	DATE 2007/11/27					
		30 OVER	± 0.3	APPROVED BY Y. ITO	DATE 2007/11/27	MOLEX INCORPORATED DOCUMENT NO. SD-503154-002 SHEET NO. 1 OF 2				
		ANGULAR	± 1 °	MATERIAL NO. SEE CHART						
		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					

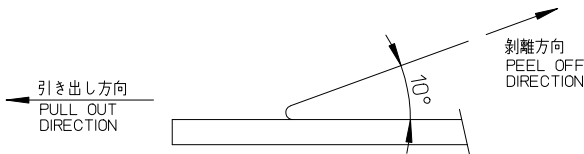
NOTE

1. 梱包数量 : 450個/リール
NUMBER OF CONNECTORS : 450 PIECES/REEL
2. リードテープ長さ
LEAD TAPE LENGTH



3. トップテープの剥離強度 : 0.1~0.3 N (10.2~132.5gf)
剥離方向は下記参照。
PEELING OFF FORCE OF TOP TAPE
PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE.

尚、本規格は出荷時に適用。(但し、輸送時に剥離が発生しない事)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOLD NOT BE ALLOWED,DURING TRANSPORTION.



4. 製品詳細寸法については、SD-503154-001を参照して下さい。
PLEASE REFER TO SD-503154-001 FOR THE DETAILED
DIMENSION OF THE CONNECTOR.

MATERIAL No. AND CONNECTOR SERIES No.

	MATERIAL No.				
COLOR CIRCUIT No.	黒 BLACK	赤 RED	青 BLUE	緑 GREEN	ベージュ BEIGE (NATURAL)
CIRCUIT No.32	503154- 3291	503154- 3292	503154- 3294	503154- 3296	503154- 3290
CIRCUIT No.30	3091	3092	3094	3096	3090
CIRCUIT No.28	2891	2892	2894	2896	2890
CIRCUIT No.24	2491	2492	2494	2496	2490
CIRCUIT No.22	2291	2292	2294	2296	2290
CIRCUIT No.20	2091	2092	2094	2096	2090
CIRCUIT No.16	1691	1692	1694	1696	1690
CIRCUIT No.12	1291	1292	1294	1296	1290
CIRCUIT No.10	1091	1092	1094	1096	1090
CIRCUIT No.8	503154- 0891	503154- 0892	503154- 0894	503154- 0896	503154- 0890
CONNECTOR SERIES No.	503154- **91	503154- **92	503154- **94	503154- **96	503154- **90

6. 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,POLYETHLENE,POLYETHYLENE TEREPHTHALATE
リール : ポリスチレン (リサイクル材含む)
REEL : POLYSTYRENE (RECYCLE MATERIAL CONTAINED)
7. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

REVISED EC NO: J2010-2056 DRWN:YGGTO CHKD:KASAKAWA APPR:NUKITA 2010/02/04 2010/04/16 2010/04/17	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
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		ANGULAR ±1 °		MATERIAL NO. SEE CHART			DOCUMENT NO. SD-503154-002			SHEET NO. 2 OF 2	
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