

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

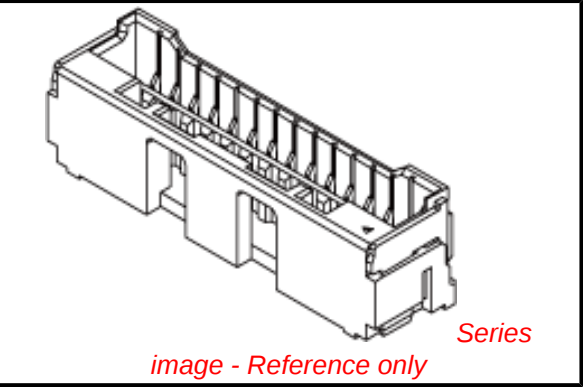
5025841070

Status:

Active

Description:

1.50mm (.059") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Single Row, Vertical, 10 Circuits



Documents:	
3D Model	Product Specification PS-502584-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification (PDF)	

General	
Product Family	PCB Receptacles
Series	502584
Application	Wire-to-Board
Product Name	CLIK-Mate™
Physical	
Circuits (Loaded)	10
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
Mated Height (in)	0.382 In
Mated Height (mm)	9.70 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Number of Rows	1
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-502578-001, AS-502578-002
Packaging Specification	SPK-502584-001
Product Specification	PS-502584-001, RPS-502584-002, RPS-502584-003, RPS-502584-005, RPS-502584-006
Sales Drawing	SD-502584-001, SD-502584-002

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.

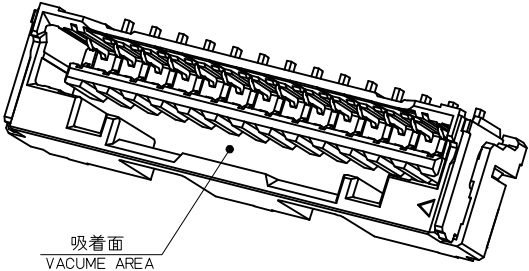
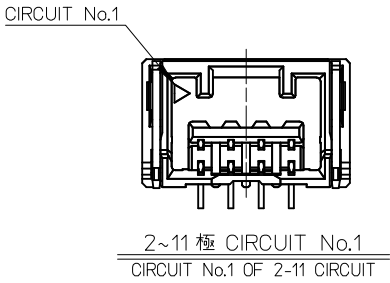
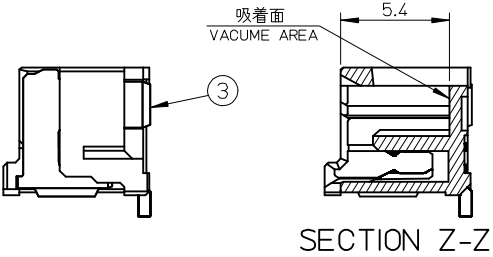
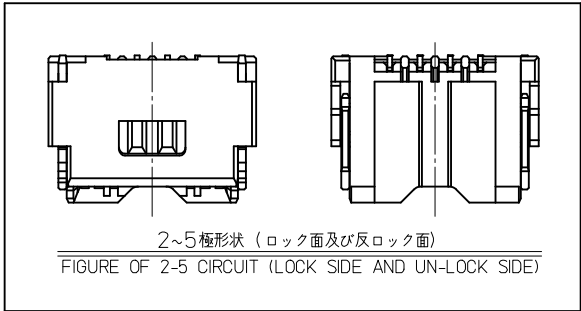
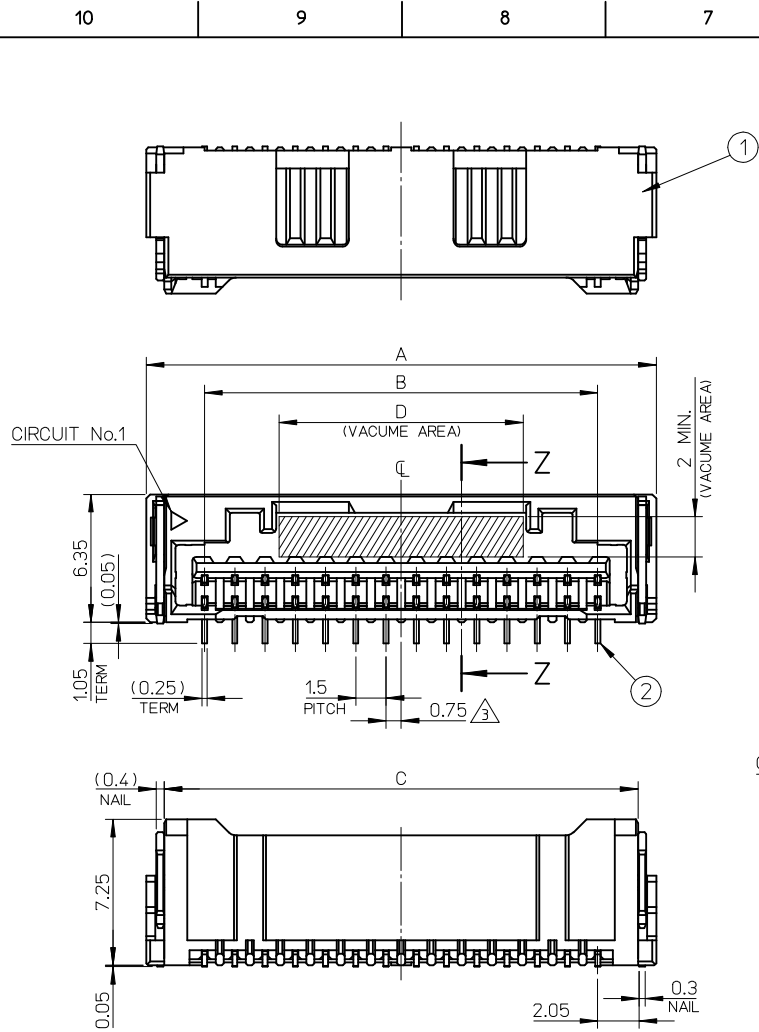
Search Parts in this Series

502584Series

Mates With

502578 Crimp Housing . 502579 Crimp Terminal

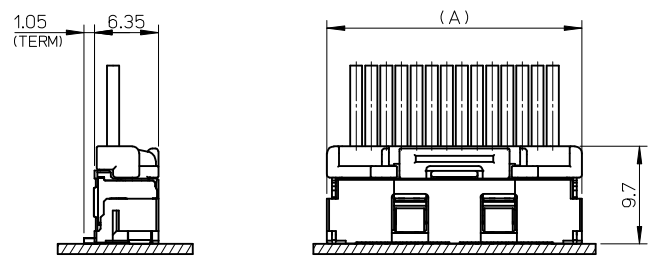
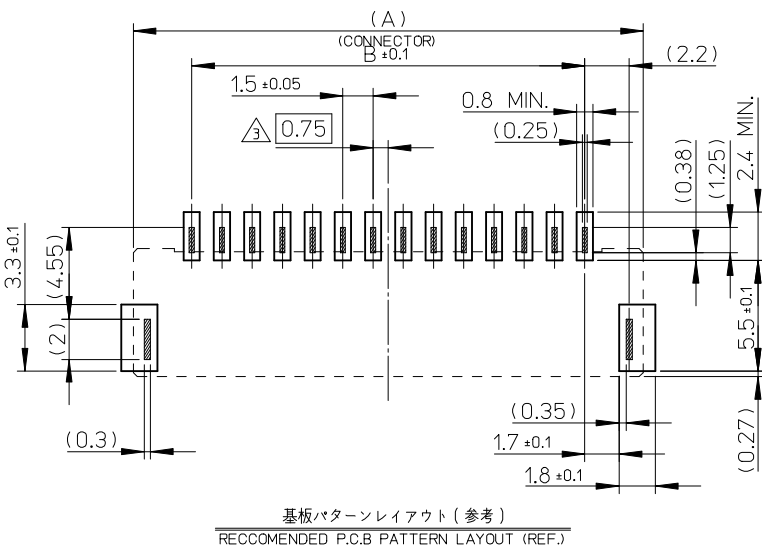
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



12.1	25	21	26.8	502584-157*	15
12.1	23.5	19.5	25.3	-147*	14
12.1	22	18	23.8	-137*	13
12.1	20.5	16.5	22.3	-127*	12
12.1	19	15	20.8	-117*	11
10.1	17.5	13.5	19.3	-107*	10
10.1	16	12	17.8	-097*	9
8.6	14.5	10.5	16.3	-087*	8
7.1	13	9	14.8	-077*	7
6.2	11.5	7.5	13.3	-067*	6
3.2	10	6	11.8	-057*	5
2.9	8.5	4.5	10.3	-047*	4
2.15	7	3	8.8	-037*	3
2	5.5	1.5	7.3	502584-027*	2
D	C	B	A	EMBOSSED TAPE PACKAGE ORDER No.	CIRCUIT No.

No.	部品 PART	材料 MATERIAL
①	ハウジング HOUSING	耐熱性樹脂 UL94V-0 HEATPROOF RESIN UL94V-0
②	ターミナル TERMINAL	銅合金 COPPER ALLOY 鍍めつき: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 鍍めつき: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: J2010-0037 DRWN: ITO CHKD: K. ASAKAWA APPR: NUKITA	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 N. ITO	DATE '07/07/09	TITLE 15MM W/B CONN. S/T REC. ASS'Y				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. ASAKAWA	DATE '07/07/10					
		30 OVER	±0.3	APPROVED BY Y. ITO	DATE '07/07/10	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-502584-001		1 OF 3		
REV				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



嵌合図
MATED CONNECTORES

- NOTES
1. 嵌合相手: 502578 シリーズ
MATE WITH: 502578 SERIES.
 2. 端子テール部及びネイルの平坦度: 0.1 MAX.
TAIL AND NAIL COPLANARITY TO BE 0.1 MAX.
 - △ 3. 極数/2=偶数に適用
APPLY FOR CIRCUIT 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 AND NAIL.
 5. 製品番号
MATERIAL No.

502584-****

極数 色
CIRCUIT SIZE COLOR

No.	COLOR	CIRCUIT
70	ベージュ BEIGE	2~15
71	黒 BLACK	
72	赤 RED	
73	黄 YELLOW	
74	青 BLUE	
75	桃 PINK	
76	緑 GREEN	
77	茶 BROWN	
78	橙 ORANGE	
79	紫 VIOLET	

6. 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.

7. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT

△ 8. ORDER No. AND CONNECTOR SERIES No.

REVISED EC NO: J2010-0037 DRWN: ITO CHKD: ASAKAWA APPR: NUKITA	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 N. ITO	DATE '07/07/09	TITLE 1.5MM W/B CONN. S/T REC. ASS'Y				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. ASAKAWA	DATE '07/07/10					
		30 OVER	± 0.3	APPROVED BY Y. ITO	DATE '07/07/10	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-502584-001		2 OF 3		
			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	
F	△ ORDER No. AND CONNECTOR SERIES No.										F
E	HSG COLOR : BLUE		HSG COLOR : YELLOW		HSG COLOR : RED		HSG COLOR : BLACK		HSG COLOR : BEIGE		
	502584-1574	502584-***74	502584-1573	502584-***73	502584-1572	502584-***72	502584-1571	502584-***71	502584-1570	502584-***70	15
	502584-1474		502584-1473		502584-1472		502584-1471		502584-1470		14
	502584-1374		502584-1373		502584-1372		502584-1371		502584-1370		13
	502584-1274		502584-1273		502584-1272		502584-1271		502584-1270		12
	502584-1174		502584-1173		502584-1172		502584-1171		502584-1170		11
	502584-1074		502584-1073		502584-1072		502584-1071		502584-1070		10
	502584-0974		502584-0973		502584-0972		502584-0971		502584-0970		9
	502584-0874		502584-0873		502584-0872		502584-0871		502584-0870		8
	502584-0774		502584-0773		502584-0772		502584-0771		502584-0770		7
	502584-0674		502584-0673		502584-0672		502584-0671		502584-0670		6
	502584-0574		502584-0573		502584-0572		502584-0571		502584-0570		5
	502584-0474		502584-0473		502584-0472		502584-0471		502584-0470		4
	502584-0374		502584-0373		502584-0372		502584-0371		502584-0370		3
	502584-0274		502584-0273		502584-0272		502584-0271		502584-0270		2
D	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	極数 (KT. NO.)
C	HSG COLOR : VIOLET		HSG COLOR : ORANGE		HSG COLOR : BROWN		HSG COLOR : GREEN		HSG COLOR : PINK		
	502584-1579	502584-***79	502584-1578	502584-***78	502584-1577	502584-***77	502584-1576	502584-***76	502584-1575	502584-***75	15
	502584-1479		502584-1478		502584-1477		502584-1476		502584-1475		14
	502584-1379		502584-1378		502584-1377		502584-1376		502584-1375		13
	502584-1279		502584-1278		502584-1277		502584-1276		502584-1275		12
	502584-1179		502584-1178		502584-1177		502584-1176		502584-1175		11
	502584-1079		502584-1078		502584-1077		502584-1076		502584-1075		10
	502584-0979		502584-0978		502584-0977		502584-0976		502584-0975		9
	502584-0879		502584-0878		502584-0877		502584-0876		502584-0875		8
	502584-0779		502584-0778		502584-0777		502584-0776		502584-0775		7
	502584-0679		502584-0678		502584-0677		502584-0676		502584-0675		6
	502584-0579		502584-0578		502584-0577		502584-0576		502584-0575		5
	502584-0479		502584-0478		502584-0477		502584-0476		502584-0475		4
	502584-0379		502584-0378		502584-0377		502584-0376		502584-0375		3
	502584-0279		502584-0278		502584-0277		502584-0276		502584-0275		2
B	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	EMBOSSED TAPE PACKAGE オーダー番号ORDER No.	コネクタシリーズ CONNECTOR SERIES	極数 (KT. NO.)
A	REVISED EC NO: J2010-0037 2009/07/06 DRWN: NITO 2009/07/07 CHKDK: ASAKAWA 2009/07/08 APPR: NUKITA REV		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 N. ITO DATE '07/07/09 CHECKED BY K. ASAKAWA DATE '07/07/10 APPROVED BY Y. ITO DATE '07/07/10 MATERIAL NO. SEE CHART SIZE A3		SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION		1.5MM W/B CONN. S/T REC. ASS'Y MOLEX INCORPORATED SD-502584-001 3 OF 3		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	
	ib_frame_A3_J_AM_S Rev. E 2006/04/15										
		9	8	7	6	5	4	3	2	1	EN-02DA(021)

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

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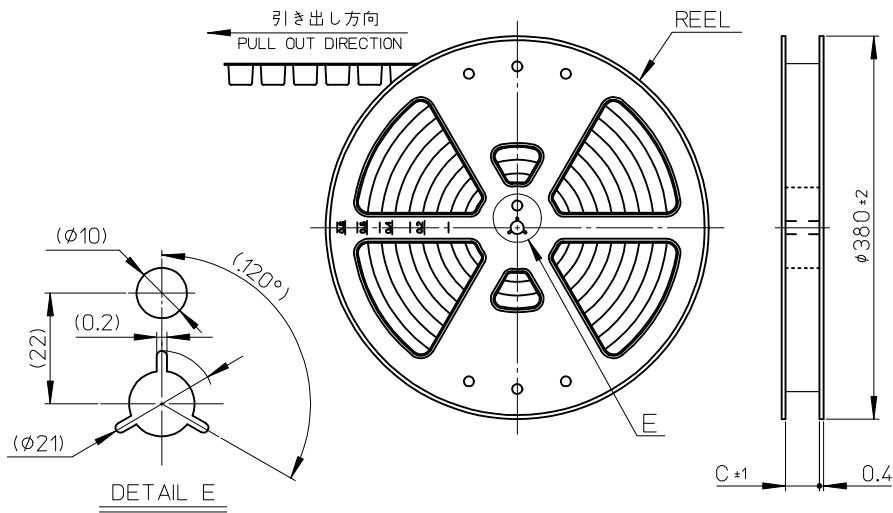
E

D

C

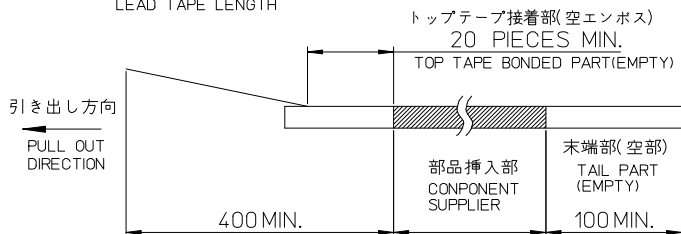
B

A



NOTES

- 製品詳細寸法については、SD-502584-001を参照下さい。
PLEASE REFER TO SD-502584-001 FOR THE DETAILED DIMENSION OF THE CONNECTOR.
- 梱包数量：900個
NUMBER OF CONNECTORS：900 PIECES/REEL.
- リードテープ長さ
LEAD TAPE LENGTH



- 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>
- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT

△ 製品番号
MATERIAL NO.

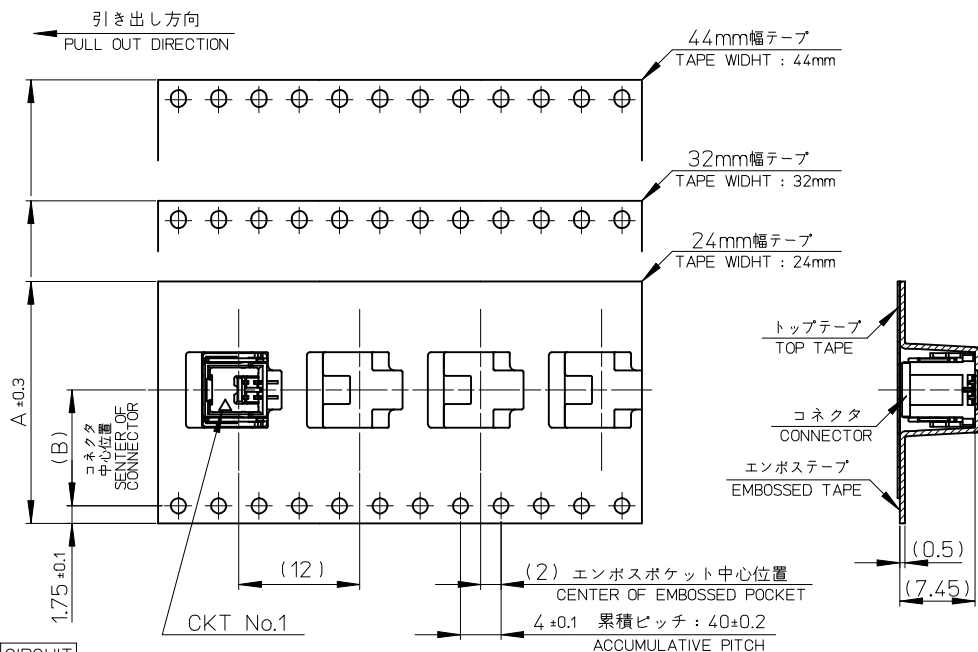
502584-****

極数 色
CIRCUIT SIZE COLOR

No.	COLOR	CIRCUIT
70	ベージュ BEIGE	2~15
71	黒 BLACK	
72	赤 RED	
73	黄 YELLOW	
74	青 BLUE	
75	桃 PINK	
76	緑 GREEN	
77	茶 BROWN	
78	橙 ORANGE	
79	紫 VIOLET	

△ ORDER No. AND CONNECTOR SERIES No.

- 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.



45.5	20.2	44	502584-157*	15
45.5	20.2	44	-147*	14
45.5	20.2	44	-137*	13
45.5	20.2	44	-127*	12
45.5	20.2	44	-117*	11
45.5	20.2	44	-107*	10
33.5	14.2	32	-097*	9
33.5	14.2	32	-087*	8
33.5	14.2	32	-077*	7
33.5	14.2	32	-067*	6
25.5	11.5	24	-057*	5
25.5	11.5	24	-047*	4
25.5	11.5	24	-037*	3
25.5	11.5	24	502584-027*	2
C	B	エンボステープ幅A WIDTH OF TAPE	△ 製品番号 MATERIAL NO.	極数 CKT. NO.

REVISED EC NO: J2010-0624 DRAWN BY CHKD: KASAKAWA APP: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY NITO	DATE 2007/07/17	TITLE EMBOSSSED TAPE PACKAGE FOR 502584				
		10 OVER 30 UNDER	± 0.25	CHECKED BY KASAKAWA	DATE 2007/07/17					
		30 OVER	± 0.3	APPROVED BY YOITO	DATE 2007/07/17					
		ANGULAR ±1 °		MATERIAL NO.		MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502584-002				
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
REV						DOCUMENT NO.			SHEET NO. 1 OF 2	

10

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2

1

△ ORDER No. AND CONNECTOR SERIES No.

HSG COLOR : BLUE		HSG COLOR : YELLOW		HSG COLOR : RED		HSG COLOR : BLACK		HSG COLOR : BEIGE		
502584-**74	502584-1574	502584-**73	502584-1573	502584-**72	502584-1572	502584-**71	502584-1571	502584-**70	502584-1570	15
	502584-1474		502584-1473		502584-1472		502584-1471		502584-1470	14
	502584-1374		502584-1373		502584-1372		502584-1371		502584-1370	13
	502584-1274		502584-1273		502584-1272		502584-1271		502584-1270	12
	502584-1174		502584-1173		502584-1172		502584-1171		502584-1170	11
	502584-1074		502584-1073		502584-1072		502584-1071		502584-1070	10
	502584-0974		502584-0973		502584-0972		502584-0971		502584-0970	9
	502584-0874		502584-0873		502584-0872		502584-0871		502584-0870	8
	502584-0774		502584-0773		502584-0772		502584-0771		502584-0770	7
	502584-0674		502584-0673		502584-0672		502584-0671		502584-0670	6
	502584-0574		502584-0573		502584-0572		502584-0571		502584-0570	5
	502584-0474		502584-0473		502584-0472		502584-0471		502584-0470	4
	502584-0374		502584-0373		502584-0372		502584-0371		502584-0370	3
	502584-0274		502584-0273		502584-0272		502584-0271		502584-0270	2
コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	極数 (KT. NO.)

HSG COLOR : VIOLET		HSG COLOR : ORANGE		HSG COLOR : BROWN		HSG COLOR : GREEN		HSG COLOR : PINK		
502584-**79	502584-1579	502584-**78	502584-1578	502584-**77	502584-1577	502584-**76	502584-1576	502584-**75	502584-1575	15
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	502584-1379		502584-1378		502584-1377		502584-1376		502584-1375	13
	502584-1279		502584-1278		502584-1277		502584-1276		502584-1275	12
	502584-1179		502584-1178		502584-1177		502584-1176		502584-1175	11
	502584-1079		502584-1078		502584-1077		502584-1076		502584-1075	10
	502584-0979		502584-0978		502584-0977		502584-0976		502584-0975	9
	502584-0879		502584-0878		502584-0877		502584-0876		502584-0875	8
	502584-0779		502584-0778		502584-0777		502584-0776		502584-0775	7
	502584-0679		502584-0678		502584-0677		502584-0676		502584-0675	6
	502584-0579		502584-0578		502584-0577		502584-0576		502584-0575	5
	502584-0479		502584-0478		502584-0477		502584-0476		502584-0475	4
	502584-0379		502584-0378		502584-0377		502584-0376		502584-0375	3
	502584-0279		502584-0278		502584-0277		502584-0276		502584-0275	2
コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	コネクタ シリーズ CONNECTOR SERIES	製品番号 MATERIAL NO.	極数 (KT. NO.)

REVISED
EC NO: J2010-0624
2009/10/07
DRAWN: NITO
CHKD: KASAKAWA
2009/10/07
APPR: NUKITA
2009/10/08
DESCRIPTION
REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER	± 0.2
10 OVER 30 UNDER	± 0.25
30 OVER	± 0.3

ANGULAR ±1 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY	DATE
NITO	2007/07/17
CHECKED BY	DATE
KASAKAWA	2007/07/17
APPROVED BY	DATE
YOITO	2007/07/17

MATERIAL NO.

SEE TABLE

SIZE
A3

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTIONEMBOSSSED TAPE PACKAGE
FOR 502584

MOLEX INCORPORATED

DOCUMENT NO.

SD-502584-002

SHEET NO.

2 OF 2

9

8

7

6

5

4

3

2

EN-02JA(021)