

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5025841260](#)
Status: **Active**
Description: 1.50mm (.059") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Single Row, Vertical, with Pick-and-Place Tape, 12 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)	12
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-502584-004, RPS-502584-005, RPS-502584-006
Sales Drawing	SD-502584-003, SD-502584-004

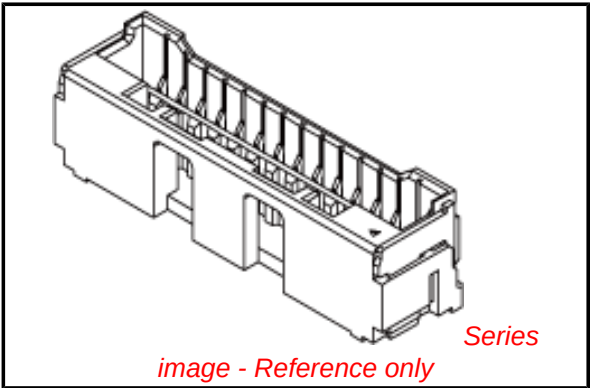


image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



**Need more information on product
environmental compliance?**

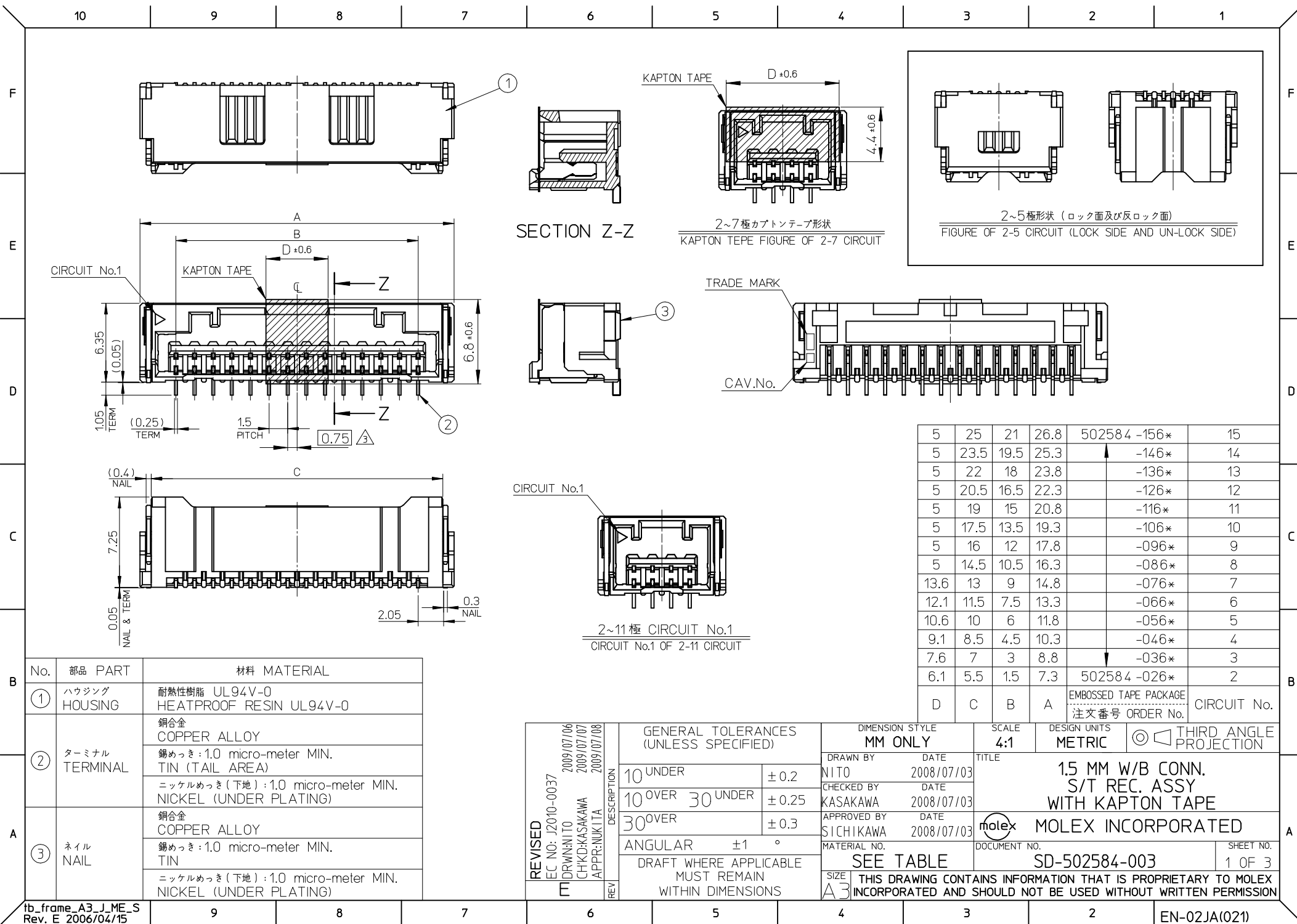
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

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



NOTES

1. 嵌合相手 : 502578
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-****

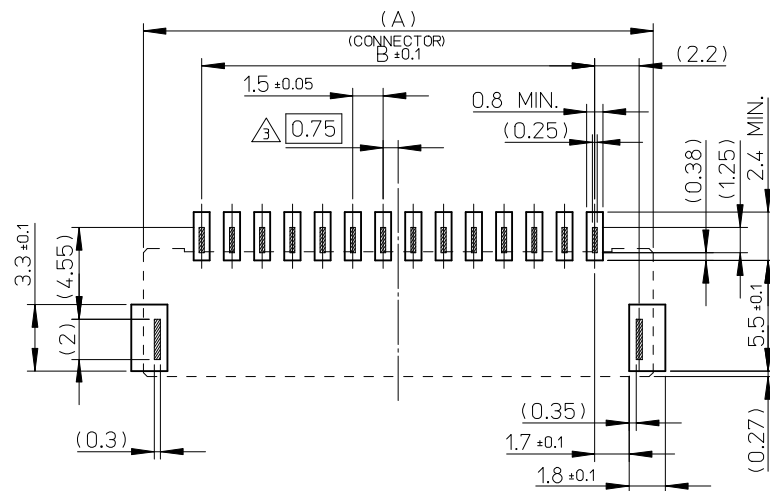
極数
CIRCUIT SIZE

色
COLOR

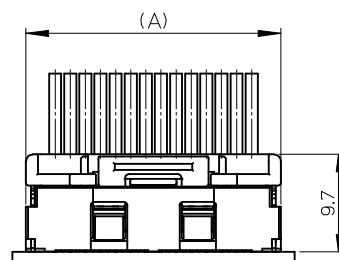
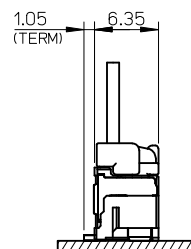
No.	COLOR	CIRCUIT
60	ベージュ BEIGE	2~15
61	黒 BLACK	
62	赤 RED	
63	黄 YELLOW	
64	青 BLUE	
65	桃 PINK	
66	緑 GREEN	
67	茶 BROWN	
68	橙 ORANGE	
69	紫 VIOLET	

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

△ ORDER No. AND CONNECTOR SERIES No.



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



嵌合図
MATED CONNECTORES

REVISED EC NO: J2010-0037 2009/07/06 DRWN:NITO CHKD:KASAKAWA 2009/07/07 APPR:NUKITA 2009/07/08	DESCRIPTION	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 2008/07/03	TITLE 1.5 MM W/B CONN. S/T REC. ASSY WITH KAPTON TAPE				
		10 OVER 30 UNDER	± 0.25	CHECKED BY KASAKAWA	DATE 2008/07/03					
		30 OVER	± 0.3	APPROVED BY SICHIKAWA	DATE 2008/07/03	MOLEX MOLEX INCORPORATED				
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502584-003		2 OF 3			
	REV			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

△ ORDER No. AND CONNECTOR SERIES No.

HSG COLOR : BLUE		HSG COLOR : YELLOW		HSG COLOR : RED		HSG COLOR : BLACK		HSG COLOR : BEIGE		
502584-1564	502584-**64	502584-1563	502584-**63	502584-1562	502584-**62	502584-1561	502584-**61	502584-1560	502584-**60	15
502584-1464		502584-1463		502584-1462		502584-1461		502584-1460		14
502584-1364		502584-1363		502584-1362		502584-1361		502584-1360		13
502584-1264		502584-1263		502584-1262		502584-1261		502584-1260		12
502584-1164		502584-1163		502584-1162		502584-1161		502584-1160		11
502584-1064		502584-1063		502584-1062		502584-1061		502584-1060		10
502584-0964		502584-0963		502584-0962		502584-0961		502584-0960		9
502584-0864		502584-0863		502584-0862		502584-0861		502584-0860		8
502584-0764		502584-0763		502584-0762		502584-0761		502584-0760		7
502584-0664		502584-0663		502584-0662		502584-0661		502584-0660		6
502584-0564		502584-0563		502584-0562		502584-0561		502584-0560		5
502584-0464		502584-0463		502584-0462		502584-0461		502584-0460		4
502584-0364		502584-0363		502584-0362		502584-0361		502584-0360		3
502584-0264		502584-0263		502584-0262		502584-0261		502584-0260		2
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.)

HSG COLOR : VIOLET		HSG COLOR : ORANGE		HSG COLOR : BROWN		HSG COLOR : GREEN		HSG COLOR : PINK		
502584-1569	502584-**69	502584-1568	502584-**68	502584-1567	502584-**67	502584-1566	502584-**66	502584-1565	502584-**65	15
502584-1469		502584-1468		502584-1467		502584-1466		502584-1465		14
502584-1369		502584-1368		502584-1367		502584-1366		502584-1365		13
502584-1269		502584-1268		502584-1267		502584-1266		502584-1265		12
502584-1169		502584-1163		502584-1167		502584-1166		502584-1165		11
502584-1069		502584-1068		502584-1067		502584-1066		502584-1065		10
502584-0969		502584-0968		502584-0967		502584-0966		502584-0965		9
502584-0869		502584-0868		502584-0867		502584-0866		502584-0865		8
502584-0769		502584-0768		502584-0767		502584-0766		502584-0765		7
502584-0669		502584-0668		502584-0667		502584-0666		502584-0665		6
502584-0569		502584-0568		502584-0567		502584-0566		502584-0565		5
502584-0469		502584-0468		502584-0467		502584-0466		502584-0465		4
502584-0369		502584-0368		502584-0367		502584-0366		502584-0365		3
502584-0269		502584-0268		502584-0267		502584-0266		502584-0265		2
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.)

REVISED
EC NO: J2010-0037
2009/07/06
DRWN:NITO
CHKD:KASAKAWA
2009/07/07
APPR:NUK ITA
2009/07/08
REVGENERAL 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 DIMENSIONSDIMENSION STYLE
MM ONLY
DRAWN BY DATE
NITO 2008/07/03
CHECKED BY DATE
KASAKAWA 2008/07/03
APPROVED BY DATE
SICHIKAWA 2008/07/03
MATERIAL NO.
SIZE
A3SCALE
4:1
DESIGN UNITS
METRIC
THIRD ANGLE
PROJECTION
1.5 MM W/B CONN.
S/T REC. ASSY
WITH KAPTON TAPE
MOLEX INCORPORATED
DOCUMENT NO.
SD-502584-003
SHEET NO.
3 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

9

8

7

6

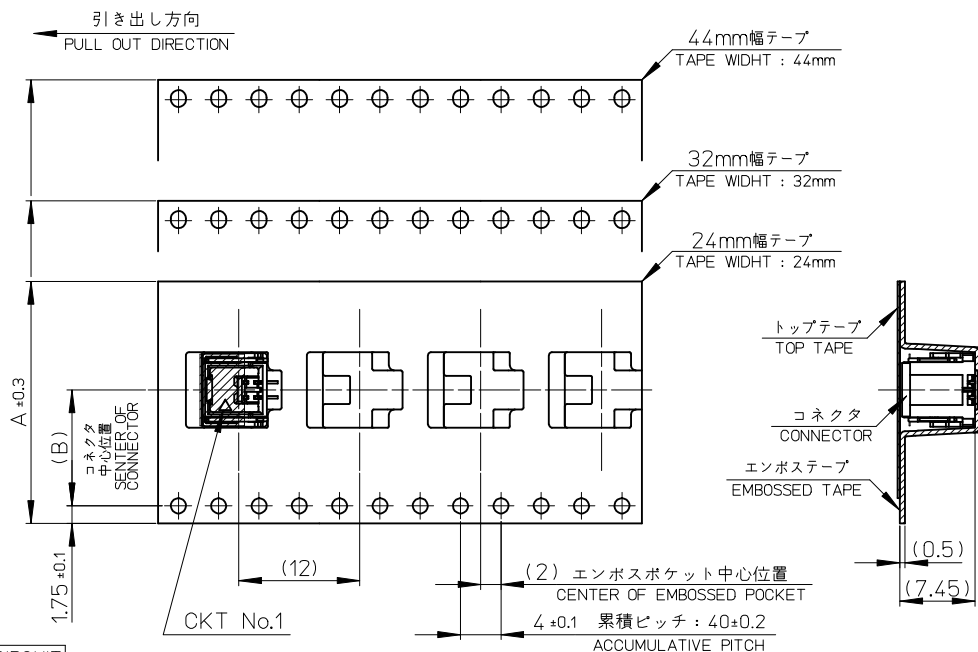
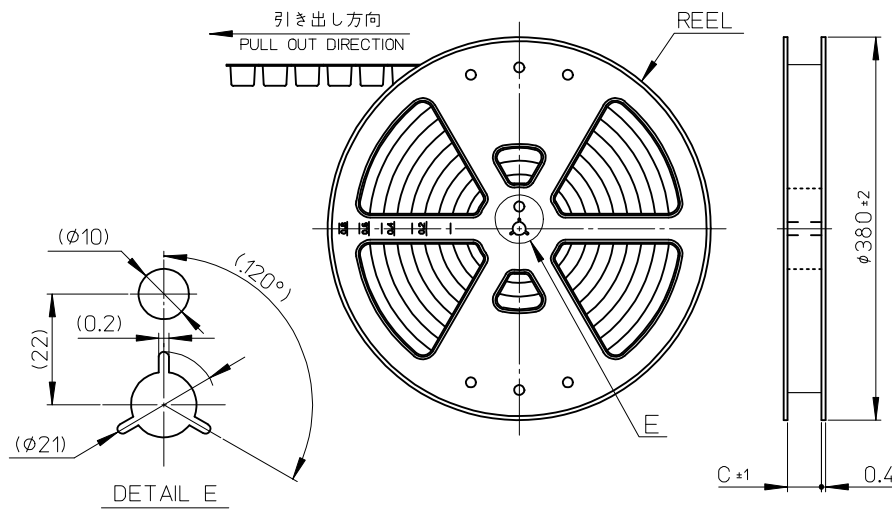
5

4

3

2

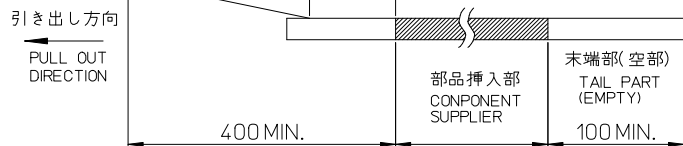
10 9 8 7 6 5 4 3 2 1



NOTES

- 製品詳細寸法については、SD-502584-003を参照下さい。
PLEASE REFER TO SD-502584-003 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

トップテープ接着部(空エンボス)
20 PIECES MIN.
TOP TAPE BONDED PART(EMPTY)



- 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
CIRCUIT SIZE

色
COLOR

No.	COLOR	CIRCUIT
60	ベージュ BEIGE	2~15
61	黒 BLACK	
62	赤 RED	
63	黄 YELLOW	
64	青 BLUE	
65	桃 PINK	
66	緑 GREEN	
67	茶 BROWN	
68	橙 ORANGE	
69	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	502584-156*	15
45.5	20.2	44	-146*	14
45.5	20.2	44	-136*	13
45.5	20.2	44	-126*	12
45.5	20.2	44	-116*	11
45.5	20.2	44	-106*	10
33.5	14.2	32	-096*	9
33.5	14.2	32	-086*	8
33.5	14.2	32	-076*	7
33.5	14.2	32	-066*	6
25.5	11.5	24	-056*	5
25.5	11.5	24	-046*	4
25.5	11.5	24	-036*	3
25.5	11.5	24	502584-026*	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 DRWN:NITO CHKD:KASAKAWA APPR:NUKITA	2009/10/07 2009/10/07 2009/10/08	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			10 UNDER	± 0.2	DRAWN BY	DATE	TITLE EMBOSSD TAPE PACKAGE FOR 502584-**** WITH KAPTON TAPE				
			10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE					
			30 OVER	± 0.3	APPROVED BY	DATE	MOLEX INCORPORATED				
			ANGULAR	±1 °	SICHIKAWA	2008/07/03					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.						
					SEE TABLE		SD-502584-004		1 OF 2		

	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	SIZE A3	

	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-***64	502584-1564	502584-***63	502584-1563	502584-***62	502584-1562	502584-***61	502584-1561	502584-***60	502584-1560	15		
		502584-1464		502584-1463		502584-1462		502584-1461		502584-1460	14		
		502584-1364		502584-1363		502584-1362		502584-1361		502584-1360	13		
		502584-1264		502584-1263		502584-1262		502584-1261		502584-1260	12		
		502584-1164		502584-1163		502584-1162		502584-1161		502584-1160	11		
		502584-1064		502584-1063		502584-1062		502584-1061		502584-1060	10		
		502584-0964		502584-0963		502584-0962		502584-0961		502584-0960	9		
		502584-0864		502584-0863		502584-0862		502584-0861		502584-0860	8		
		502584-0764		502584-0763		502584-0762		502584-0761		502584-0760	7		
		502584-0664		502584-0663		502584-0662		502584-0661		502584-0660	6		
		502584-0564		502584-0563		502584-0562		502584-0561		502584-0560	5		
		502584-0464		502584-0463		502584-0462		502584-0461		502584-0460	4		
		502584-0364		502584-0363		502584-0362		502584-0361		502584-0360	3		
		502584-0264		502584-0263		502584-0262		502584-0261		502584-0260	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.)			
C	HSG COLOR : VIOLET		HSG COLOR : ORANGE		HSG COLOR : BROWN		HSG COLOR : GREEN		HSG COLOR : PINK				
	502584-***69	502584-1569	502584-***68	502584-1568	502584-***67	502584-1567	502584-***66	502584-1566	502584-***65	502584-1565	15		
		502584-1469		502584-1468		502584-1467		502584-1466		502584-1465	14		
		502584-1369		502584-1368		502584-1367		502584-1366		502584-1365	13		
		502584-1269		502584-1268		502584-1267		502584-1266		502584-1265	12		
		502584-1169		502584-1168		502584-1167		502584-1166		502584-1165	11		
		502584-1069		502584-1068		502584-1067		502584-1066		502584-1065	10		
		502584-0969		502584-0968		502584-0967		502584-0966		502584-0965	9		
		502584-0869		502584-0868		502584-0867		502584-0866		502584-0865	8		
		502584-0769		502584-0768		502584-0767		502584-0766		502584-0765	7		
		502584-0669		502584-0668		502584-0667		502584-0666		502584-0665	6		
		502584-0569		502584-0568		502584-0567		502584-0566		502584-0565	5		
		502584-0469		502584-0468		502584-0467		502584-0466		502584-0465	4		
		502584-0369		502584-0368		502584-0367		502584-0366		502584-0365	3		
		502584-0269		502584-0268		502584-0267		502584-0266		502584-0265	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.)			
A	REVISED EC NO: J2010-0624 2009/10/07 DRWN:NITO CHKD:KASAKAWA 2009/10/07 APPR:NUKITA 2009/10/08 DESCRIPTION REV		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			10 UNDER	± 0.2	DRAWN BY NITO	DATE 2008/07/03	TITLE EMBOSSSED TAPE PACKAGE FOR 502584-**** WITH KAPTON TAPE MOLEX INCORPORATED						
			10 OVER 30 UNDER	± 0.25	CHECKED BY KASAKAWA	DATE 2008/07/03							
			30 OVER	± 0.3	APPROVED BY SICHIKAWA	DATE 2008/07/03							
			ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE				SD-502584-004				
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
			tb_frame_A3_J_ME_S Rev. E 2006/04/15										
				9	8	7	6	5	4	3	2	1	EN-02JA(021)