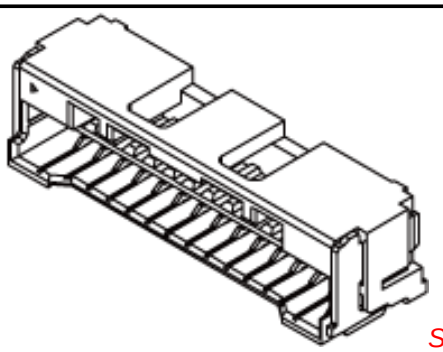
This document was generated on 05/18/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 5025850670

Status: Active

Description: 1.50mm (.059") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Single Row, Right Angle, 6 Circuits



Series image - Reference only

Documents:

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

General

Product Family	PCB Receptacles
Series	502585
Application	Wire-to-Board
Product Name	CLIK-Mate™

Physical

Circuits (Loaded)	6
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)	0.252 In
Mated Height (mm)	6.40 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.059 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-502585-001
Product Specification	PS-502584-001, RPS-502584-002, RPS-502584-003, RPS-502584-004, RPS-502584-005, RPS-502584-006, RPS-502585-002
Sales Drawing	SD-502585-001, SD-502585-002

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

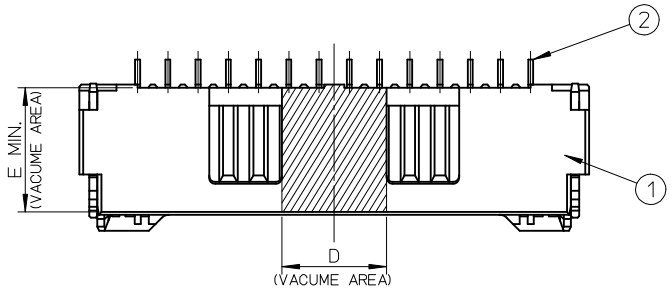
Please visit the Contact Us section for any non-product compliance questions.

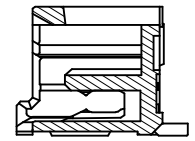
Search Parts in this Series
502585Series

Mates With
502578 Crimp Housing . 502579 Crimp Terminal

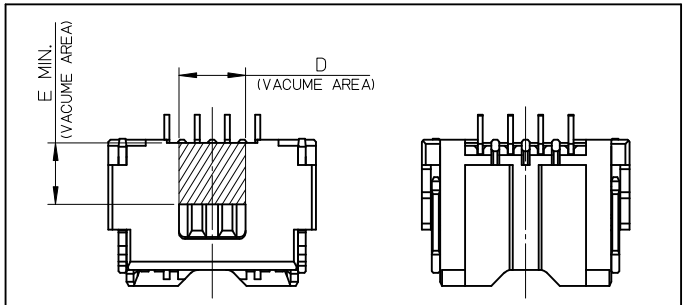
This document was generated on 05/18/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



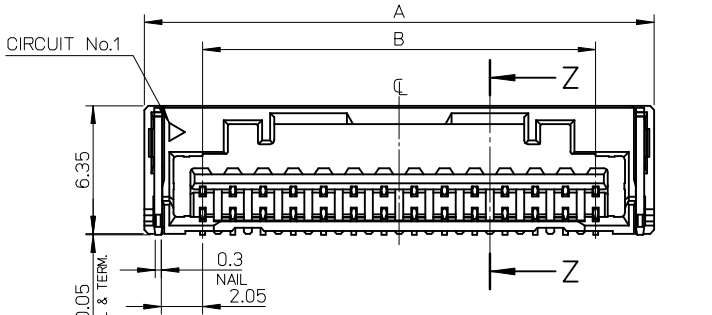


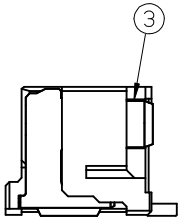
SECTION Z-Z

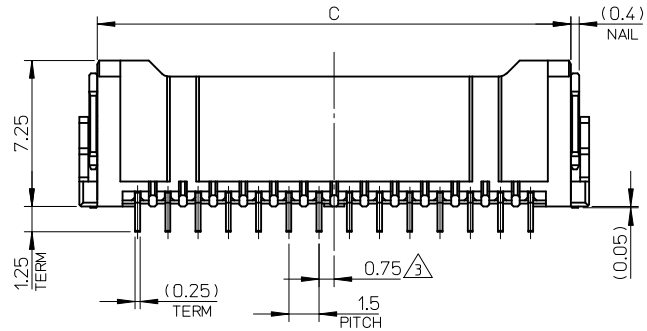


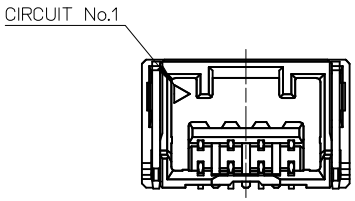
2~5極形状（ロック面及び反ロック面）

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









2~11 極 CIRCUIT No.1

CIRCUIT No.1 OF 2-11 CIRCUIT

6	5.2	25	21	26.8	502585-157*	15
6	5.2	23.5	19.5	25.3	-147*	14
6	5.2	22	18	23.8	-137*	13
6	5.2	20.5	16.5	22.3	-127*	12
6	5.2	19	15	20.8	-117*	11
6	3.2	17.5	13.5	19.3	-107*	10
6	3.2	16	12	17.8	-097*	9
6	2.5	14.5	10.5	16.3	-087*	8
6	2.5	13	9	14.8	-077*	7
6	2.3	11.5	7.5	13.3	-067*	6
2.9	3.6	10	6	11.8	-057*	5
2.9	3.3	8.5	4.5	10.3	-047*	4
2.9	2.55	7	3	8.8	-037*	3
2.9	2.3	5.5	1.5	7.3	502585-027*	2
E	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
		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: J2010-0037
DRWN:N.ITO 2009/07/06
CH'KD:K.ASAKAWA 2009/07/07
APPR:NUKITA 2009/07/08
DESCRIPTION
REV H

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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: N.ITO DATE: '07/07/10
CHECKED BY: K.ASAKAWA DATE: '07/07/11
APPROVED BY: Y.ITO DATE: '07/07/11

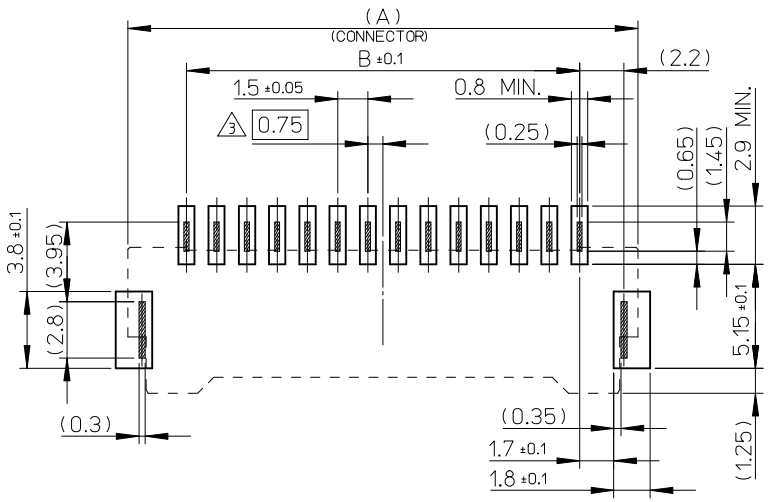
TITLE: 1.5 W/B CONN. R/A REC. ASS'Y

MOLEX INCORPORATED

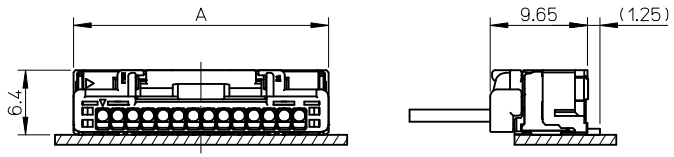
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-502585-001
SHEET NO.: 1 OF 3

SIZE A3

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



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



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.

502585-××××
極数 CIRCUIT SIZE
色 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 2009/07/06
DRWN:NITO 2009/07/07
CH'KD:K.ASAKAWA
APPR:NUKITA 2009/07/08
DESCRIPTION
H
REV

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	SCALE: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: N.ITO DATE: '07/07/10	TITLE: 1.5 W/B CONN. R/A REC. ASS'Y		
CHECKED BY: K.ASAKAWA DATE: '07/07/11			
APPROVED BY: Y.ITO DATE: '07/07/11	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-502585-001	SHEET NO.: 2 OF 3	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

⚠8 ORDER No. AND CONNECTOR SERIES No.

HSG COLOR : BLUE		HSG COLOR : YELLOW		HSG COLOR : RED		HSG COLOR : BLACK		HSG COLOR : BEIGE		
502585-1574	502585-**74	502585-1573	502585-**73	502585-1572	502585-**72	502585-1571	502585-**71	502585-1570	502585-**70	15
502585-1474		502585-1473		502585-1472		502585-1471		502585-1470		14
502585-1374		502585-1373		502585-1372		502585-1371		502585-1370		13
502585-1274		502585-1273		502585-1272		502585-1271		502585-1270		12
502585-1174		502585-1173		502585-1172		502585-1171		502585-1170		11
502585-1074		502585-1073		502585-1072		502585-1071		502585-1070		10
502585-0974		502585-0973		502585-0972		502585-0971		502585-0970		9
502585-0874		502585-0873		502585-0872		502585-0871		502585-0870		8
502585-0774		502585-0773		502585-0772		502585-0771		502585-0770		7
502585-0674		502585-0673		502585-0672		502585-0671		502585-0670		6
502585-0574		502585-0573		502585-0572		502585-0571		502585-0570		5
502585-0474		502585-0473		502585-0472		502585-0471		502585-0470		4
502585-0374		502585-0373		502585-0372		502585-0371		502585-0370		3
502585-0274		502585-0273		502585-0272		502585-0271		502585-0270		2
EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	極数
オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	CKT. NO.

HSG COLOR : VIOLET		HSG COLOR : ORANGE		HSG COLOR : BROWN		HSG COLOR : GREEN		HSG COLOR : PINK		
502585-1579	502585-**79	502585-1578	502585-**78	502585-1577	502585-**77	502585-1576	502585-**76	502585-1575	502585-**75	15
502585-1479		502585-1478		502585-1477		502585-1476		502585-1475		14
502585-1379		502585-1378		502585-1377		502585-1376		502585-1375		13
502585-1279		502585-1278		502585-1277		502585-1276		502585-1275		12
502585-1179		502585-1178		502585-1177		502585-1176		502585-1175		11
502585-1079		502585-1078		502585-1077		502585-1076		502585-1075		10
502585-0979		502585-0978		502585-0977		502585-0976		502585-0975		9
502585-0879		502585-0878		502585-0877		502585-0876		502585-0875		8
502585-0779		502585-0778		502585-0777		502585-0776		502585-0775		7
502585-0679		502585-0678		502585-0677		502585-0676		502585-0675		6
502585-0579		502585-0578		502585-0577		502585-0576		502585-0575		5
502585-0479		502585-0478		502585-0477		502585-0476		502585-0475		4
502585-0379		502585-0378		502585-0377		502585-0376		502585-0375		3
502585-0279		502585-0278		502585-0277		502585-0276		502585-0275		2
EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	EMBOSSED TAPE PACKAGE	コネクタシリーズ	極数
オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	オーダー番号ORDER No.	CONNECTOR SERIES	CKT. NO.

REVISED
EC NO: J2010-0037 2009/07/06
DRWN:NITO 2009/07/07
CH'KD:K.ASAKAWA
APPR:NUKITA 2009/07/08
DESCRIPTION
H
REV

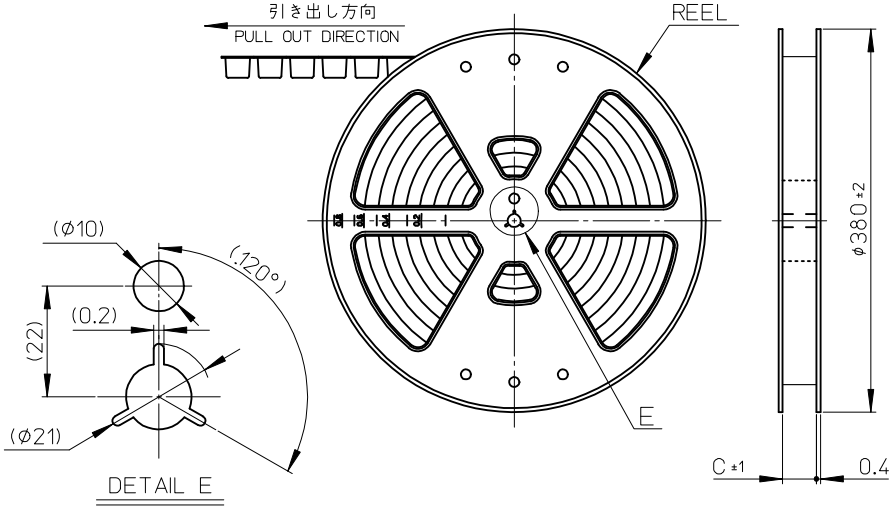
GENERAL TOLERANCES (UNLESS SPECIFIED)

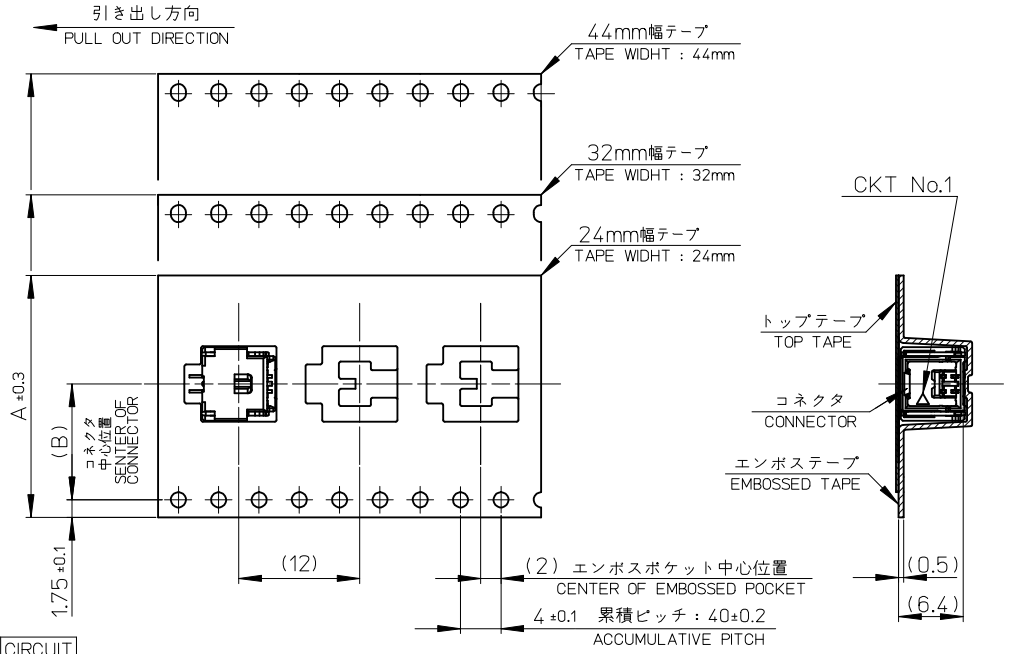
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	N.ITO
DATE	'07/07/10
CHECKED BY	K.ASAKAWA
DATE	'07/07/11
APPROVED BY	Y.ITO
DATE	'07/07/11
MATERIAL NO.	SEE CHART
TITLE	1.5 W/B CONN. R/A REC. ASS'Y
	MOLEX INCORPORATED
DOCUMENT NO.	SD-502585-001
SHEET NO.	3 OF 3
SIZE	A3

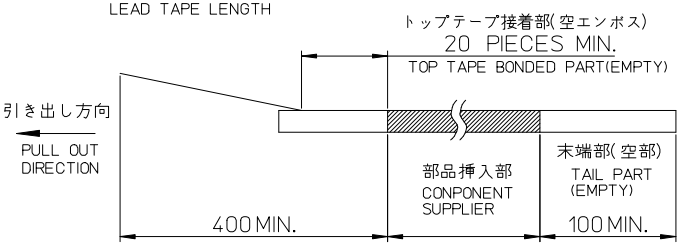
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NOTES

1. 製品詳細寸法については、SD-502585-001を参照下さい。
   PLEASE REFER TO SD-502585-001 FOR THE DETAILED DIMENSION OF THE CONNECTOR.
2. 梱包数量： 1000個
   NUMBER OF CONNECTIORS : 1000 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 , POLYETHLENE , 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

△6 製品番号
MATERIAL NO.

502585-****
極数 CIRCUIT SIZE
色 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	

△7 ORDER No. AND CONNECTOR SERIES No.

8. 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.

		エンボステープ幅A WIDTH OF TAPE	△6 製品番号 MATERIAL NO.	極数 CKT. NO.
45.5	20.2	44	502585-157*	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	502585-027*	2
C	B			

REVISED
EC NO: J2010-0624 2009/10/07
DRWN:NITO 2009/10/07
CH'KD:KASAKAWA
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
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	NITO
DATE	2007/07/17
CHECKED BY	KASAKAWA
DATE	2007/07/17
APPROVED BY	YOITO
DATE	2007/07/17
MATERIAL NO.	SEE TABLE
TITLE	EMBOSSED TAPE PACKAGE FOR 502585
	MOLEX INCORPORATED
DOCUMENT NO.	SD-502585-002
SHEET NO.	1 OF 2
SIZE	A3

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

△7 ORDER No. AND CONNECTOR SERIES No.

HSG COLOR : BLUE		HSG COLOR : YELLOW		HSG COLOR : RED		HSG COLOR : BLACK		HSG COLOR : BEIGE		
502585-**74	502585-1574	502585-**73	502585-1573	502585-**72	502585-1572	502585-**71	502585-1571	502585-**70	502585-1570	15
	502585-1474		502585-1473		502585-1472		502585-1471		502585-1470	14
	502585-1374		502585-1373		502585-1372		502585-1371		502585-1370	13
	502585-1274		502585-1273		502585-1272		502585-1271		502585-1270	12
	502585-1174		502585-1173		502585-1172		502585-1171		502585-1170	11
	502585-1074		502585-1073		502585-1072		502585-1071		502585-1070	10
	502585-0974		502585-0973		502585-0972		502585-0971		502585-0970	9
	502585-0874		502585-0873		502585-0872		502585-0871		502585-0870	8
	502585-0774		502585-0773		502585-0772		502585-0771		502585-0770	7
	502585-0674		502585-0673		502585-0672		502585-0671		502585-0670	6
	502585-0574		502585-0573		502585-0572		502585-0571		502585-0570	5
	502585-0474		502585-0473		502585-0472		502585-0471		502585-0470	4
	502585-0374		502585-0373		502585-0372		502585-0371		502585-0370	3
	502585-0274		502585-0273		502585-0272		502585-0271		502585-0270	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 CKT. NO.

HSG COLOR : VIOLET		HSG COLOR : ORANGE		HSG COLOR : BROWN		HSG COLOR : GREEN		HSG COLOR : PINK		
502585-**79	502585-1579	502585-**78	502585-1578	502585-**77	502585-1577	502585-**76	502585-1576	502585-**75	502585-1575	15
	502585-1479		502585-1478		502585-1477		502585-1476		502585-1475	14
	502585-1379		502585-1378		502585-1377		502585-1376		502585-1375	13
	502585-1279		502585-1278		502585-1277		502585-1276		502585-1275	12
	502585-1179		502585-1178		502585-1177		502585-1176		502585-1175	11
	502585-1079		502585-1078		502585-1077		502585-1076		502585-1075	10
	502585-0979		502585-0978		502585-0977		502585-0976		502585-0975	9
	502585-0879		502585-0878		502585-0877		502585-0876		502585-0875	8
	502585-0779		502585-0778		502585-0777		502585-0776		502585-0775	7
	502585-0679		502585-0678		502585-0677		502585-0676		502585-0675	6
	502585-0579		502585-0578		502585-0577		502585-0576		502585-0575	5
	502585-0479		502585-0478		502585-0477		502585-0476		502585-0475	4
	502585-0379		502585-0378		502585-0377		502585-0376		502585-0375	3
	502585-0279		502585-0278		502585-0277		502585-0276		502585-0275	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 CKT. NO.

REVISED
EC NO: J2010-0624 2009/10/07
DRWN:NITO 2009/10/07
CHKD:KASAKAWA
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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	NITO
DATE	2007/07/17
CHECKED BY	KASAKAWA
DATE	2007/07/17
APPROVED BY	YOITO
DATE	2007/07/17
MATERIAL NO.	SEE TABLE

TITLE: EMBOSSED TAPE PACKAGE FOR 502585

molex MOLEX INCORPORATED

DOCUMENT NO. SD-502585-002
SHEET NO. 2 OF 2

SIZE A3

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