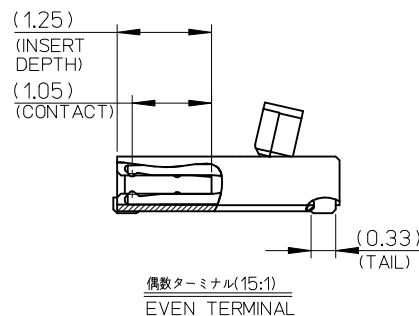
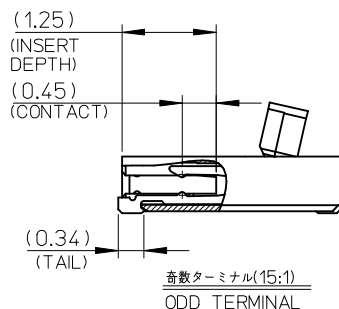
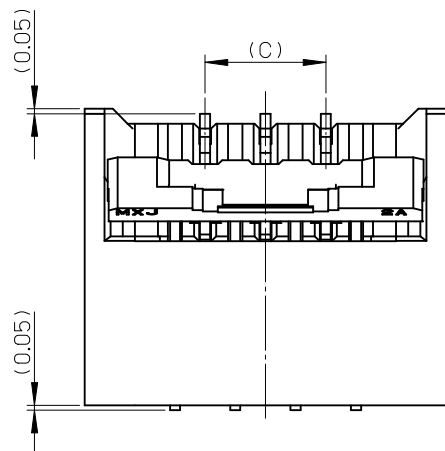


10 9 8 7 6 5 4 3 2 1



注記 NOTES:

1.材質 MATERIAL

ハウジング: 液晶ポリマー(LCP)、黒色、ガラス充填、UL94_V-0
HOUSING: LIQUID CRYSTAL POLYMER, BLACK,
GLASS FILLED, UL94_V-0

アクチュエータ: ポリアミド樹脂(PA)、灰色、ガラス充填、UL94_HB
ACTUATOR: POLYAMIDE, GRAY, GLASS FILLED, UL94_HB

奇数ターミナル: 銅合金(t=0.10)
ODD TERMINAL: COPPER ALLOY(t=0.10)

偶数ターミナル: 銅合金(t=0.10)
EVEN TERMINAL: COPPER ALLOY(t=0.10)

2.めっき仕様 PLATING
奇数/偶数ターミナル ODD/EVEN TERMINAL

接点部: 部分金めっき(0.1μm以上)
CONTACT AREA: SEPARATED GOLD PLATING
(0.1 MICROMETER MINIMUM)

半田付け部: 部分金めっき
SOLDER TAIL AREA: SEPARATED GOLD PLATING

下地: ニッケルめっき(1.0μm以上)
UNDERPLATE: NICKEL PLATING(1.0 MICROMETER MINIMUM)

3.平坦度は、0.1ミリ以下とする。

TAILS' COPLANARITY TO BE 0.1 MAXIMUM.

4.ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

18.6	17.4	18	19.8	504754-6120	61
15.6	14.4	15	16.8	504754-5120	51
12.6	11.4	12	13.8	504754-4120	41
12.0	10.8	11.4	13.2	504754-3920	39
11.4	10.2	10.8	12.6	504754-3720	37
10.8	9.6	10.2	12.0	504754-3520	35
10.2	9	9.6	11.4	504754-3320	33
9.6	8.4	9	10.8	504754-3120	31
7.8	6.6	7.2	9	504754-2520	25
6.6	5.4	6	7.8	504754-2120	21
4.8	3.6	4.2	6	504754-1520	15
3.6	2.4	3	4.8	504754-1120	11
3	1.8	2.4	4.2	504754-0920	9
2.4	1.2	1.8	3.6	504754-0720	7

D	C	B	A	EMBOSSED PACKAGE	CIRCUITS
				オーダー番号:ORDER NO.	

CONNECTOR SERIES : 504754-**-29

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	20:1	METRIC	

DRAWN BY DATE
AYOSHI101 2014/01/17
CHECKED BY DATE
YKOBAYASHI02 2014/01/17
APPROVED BY DATE
YNOGAWA 2014/10/31
MATERIAL NO.
DOCUMENT NO.
SHEET NO.

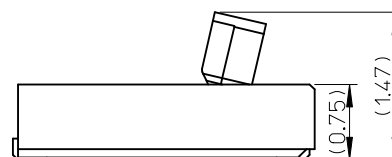
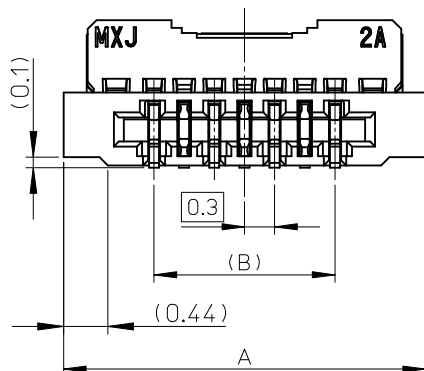
0.3 FPC CONN. BACK FLIP
LA75 SERIES
HOUSING ASSY

molex

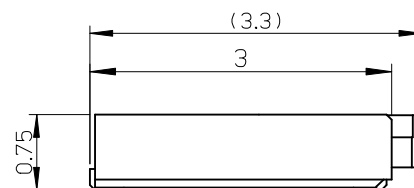
SD-504754-003

1 OF 2

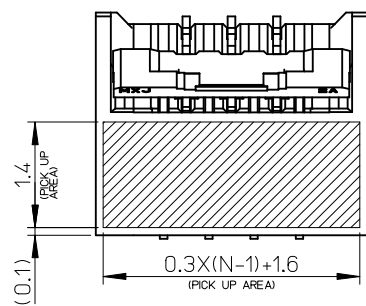
SEE CHART
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



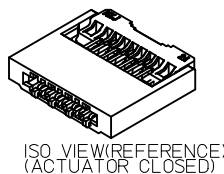
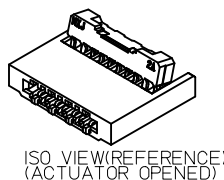
(ACTUATOR OPEN)



(ACTUATOR CLOSED)



推奨ピックアップエリア(15:1)
RECOMMENDED PICK UP AREA



REVISED EC NO: J2016-0484 DRAWN BY: YOSHI101 CHKD: YKOBAYASHI02 APPR: YNOGAWA	DESCRIPTION 2015/11/10 2015/11/10 2015/11/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	
				MM ONLY	
		0.25 UNDER	±0.03	DRAWN BY	DATE
		0.25 OVER 0.5 UNDER	±0.05	AYOSHI101	2014/01/17
		0.5 OVER 1.0 UNDER	±0.1	CHECKED BY	DATE
		1.0 OVER 10 UNDER	±0.2	YKOBAYASHI02	2014/01/17
REV		10 OVER 30 UNDER	±0.25	APPROVED BY	DATE
		30 OVER	±0.3	YNOGAWA	2014/10/31
		ANGULAR	±1 °	MATERIAL NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	

A3

9 8 7 6 5 4 3 2 1

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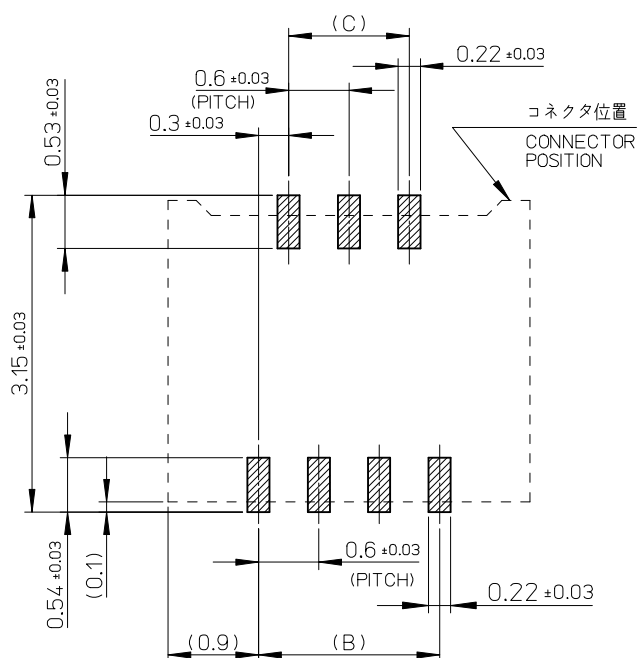
E

D

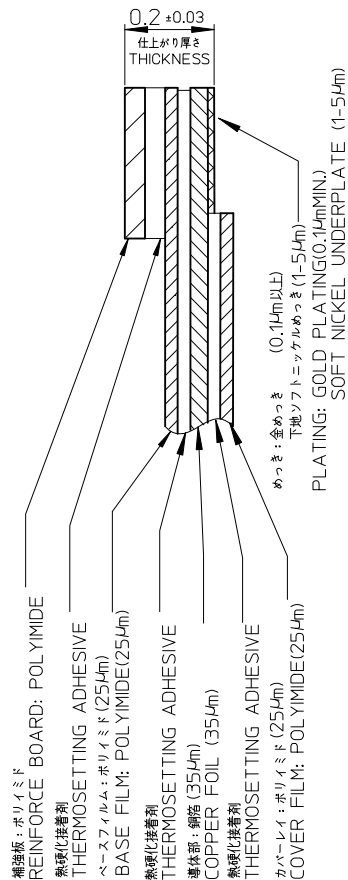
C

B

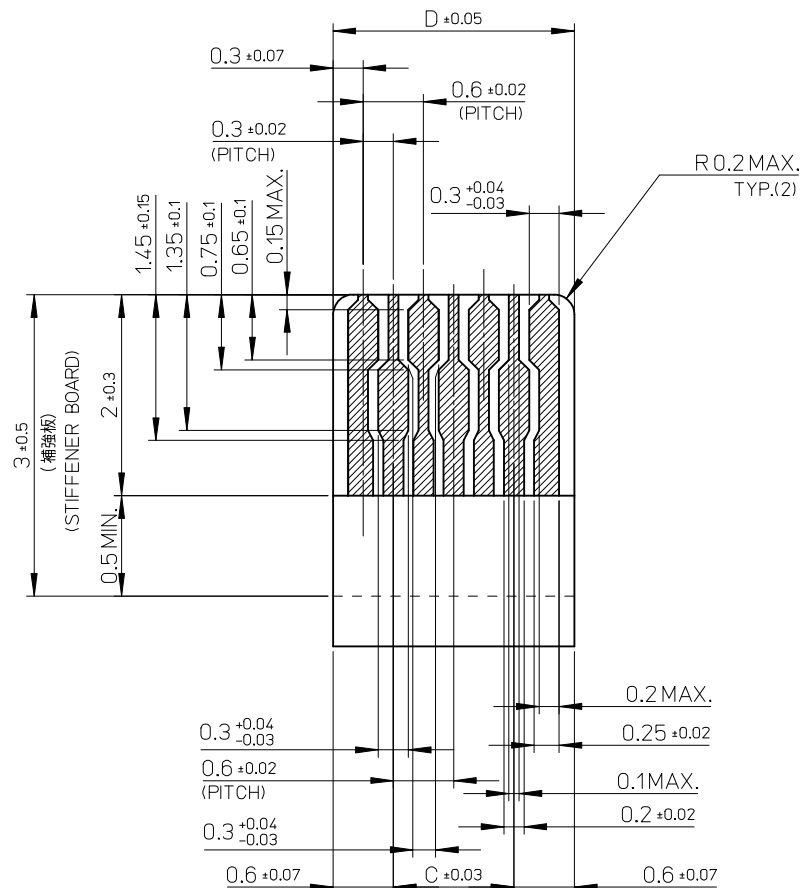
A



推奨基板レイアウト	
RECOMMENDED P.C.BOARD PATTERN LAYOUT	
推奨メタルマスク厚さ: 0.1mm	
RECOMMENDED METAL MASK THICKNESS: 0.1mm	
推奨開口率: 70%	
APERTURE RATE: 70%	



FPC構成推奨仕様
STRUCTURE OF FPC



適合金メッキFPC推奨寸法
仕上がり厚さ: 0.2 ±0.03

APPLICABLE FPC WITH GOLD PLATING
RECOMMENDED DIMENSION
THICKNESS: 0.2 ±0.03

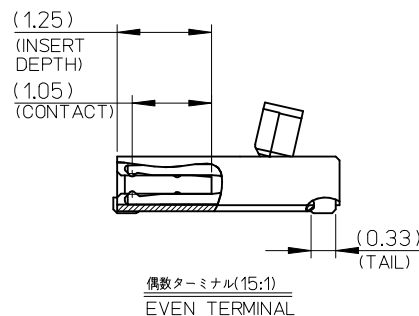
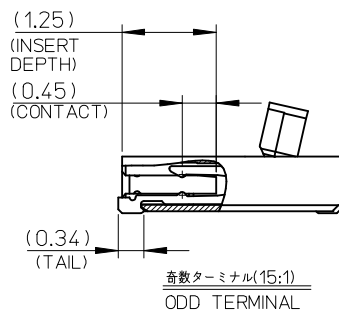
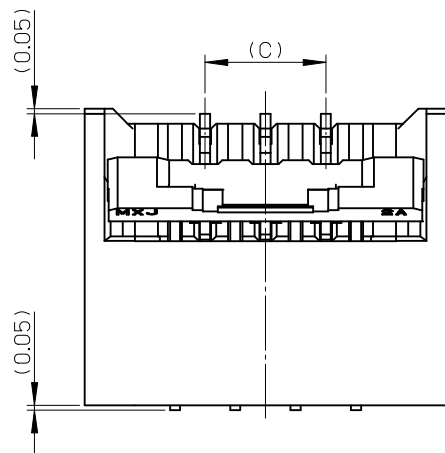
注記
NOTE

- 必ず基板に実装してからアクチュエータを操作して下さい。
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON THE SUBSTRATE.
- FPCについて
ABOUT FPC
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様、お願い致します。
RECOMMENDED STIFFENER MATERIAL: POLYIMIDE
RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE
NOTE: PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

打抜き方向は導体側から補強板側を推奨致します。
RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.

SEE SHEET 1 OF 2	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 20:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		0.25 UNDER	±0.03	DRAWN BY	DATE	TITLE 0.3 FPC CONN. BACK FLIP LA75 SERIES HOUSING ASSY		
		0.25 OVER 0.5 UNDER	±0.05	AYOSHI I01	2014/01/17			
		0.5 OVER 1.0 UNDER	±0.1	CHECKED BY	DATE	DOCUMENT NO. SD-504754-003		
		1.0 OVER 10 UNDER	±0.2	YKOBAYASHI02	2014/01/17			
		10 OVER 30 UNDER	±0.25	APPROVED BY	DATE	SHEET NO. 2 OF 2		
		30 OVER	±0.3	YNOGAWA	2014/10/31			
		ANGULAR ±1 °		MATERIAL NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1				
		SIZE A3						

10 9 8 7 6 5 4 3 2 1



注記 NOTES:

1.材質 MATERIAL

ハウジング: 液晶ポリマー(LCP)、黒色、ガラス充填、UL94_V-0
HOUSING: LIQUID CRYSTAL POLYMER, BLACK, GLASS FILLED, UL94_V-0

アクチュエータ: ポリアミド樹脂(PA)、灰色、ガラス充填、UL94_HB
ACTUATOR: POLYAMIDE, GRAY, GLASS FILLED, UL94_HB

奇数ターミナル: 銅合金(t=0.10)

ODD TERMINAL: COPPER ALLOY(t=0.10)

偶数ターミナル: 銅合金(t=0.10)

EVEN TERMINAL: COPPER ALLOY(t=0.10)

2.めっき仕様 PLATING

奇数/偶数ターミナル ODD/EVEN TERMINAL

接点部: 部分金めっき(0.1μm以上)

CONTACT AREA: SEPARATED GOLD PLATING
(0.1 MICROMETER MINIMUM)

半田付け部: 部分金めっき

SOLDER TAIL AREA: SEPARATED GOLD PLATING

下地: ニッケルめっき(1.0μm以上)

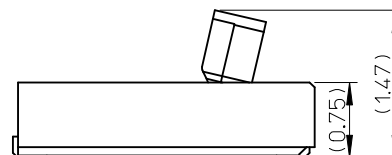
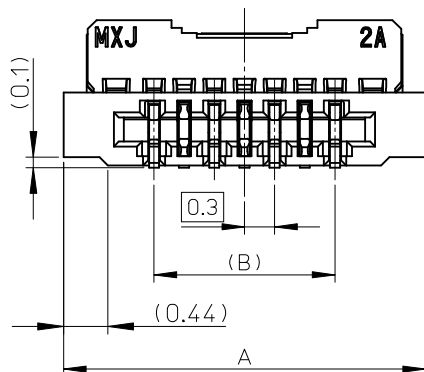
UNDERPLATE: NICKEL PLATING(1.0 MICROMETER MINIMUM)

3.平坦度は、0.1ミリ以下とする。

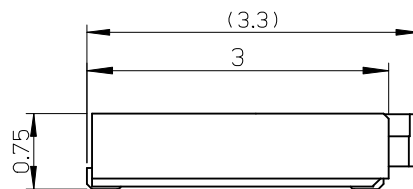
TAILS' COPLANARITY TO BE 0.1 MAXIMUM.

4.ELV及びRoHS適合品

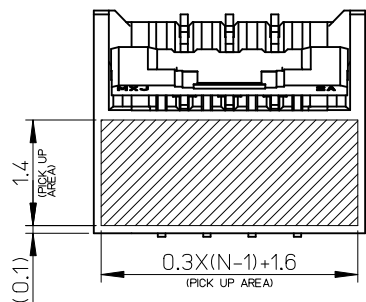
ELV AND RoHS COMPLIANT



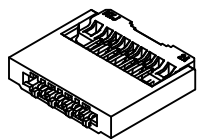
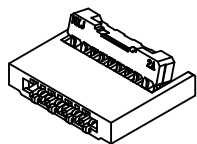
(ACTUATOR OPEN)



(ACTUATOR CLOSED)



推奨ピックアップエリア(15:1)
RECOMMENDED PICK UP AREA



ISO VIEW(REFERENCE)
(ACTUATOR OPENED)

ISO VIEW(REFERENCE)
(ACTUATOR CLOSED)

18.6	17.4	18	19.8	504754-6120	61
15.6	14.4	15	16.8	504754-5120	51
12.6	11.4	12	13.8	504754-4120	41
12.0	10.8	11.4	13.2	504754-3920	39
11.4	10.2	10.8	12.6	504754-3720	37
10.8	9.6	10.2	12.0	504754-3520	35
10.2	9	9.6	11.4	504754-3320	33
9.6	8.4	9	10.8	504754-3120	31
7.8	6.6	7.2	9	504754-2520	25
6.6	5.4	6	7.8	504754-2120	21
4.8	3.6	4.2	6	504754-1520	15
3.6	2.4	3	4.8	504754-1120	11
3	1.8	2.4	4.2	504754-0920	9
2.4	1.2	1.8	3.6	504754-0720	7

D	C	B	A	EMBOSSED PACKAGE	CIRCUITS
				オーダー番号:ORDER NO.	

CONNECTOR SERIES : 504754-**-29

REVISED	EC NO: J2016-0484		2015/11/10		2015/11/10		2015/11/10		2015/11/10		2015/11/12			
	DRAWN:AYOSHI 101		2015/11/10		CHKD:YKOBAYASHI 102		2015/11/10		APPR:YNOGAWA		2015/11/12			
	DESCRIPTION													
	0.25 UNDER			±0.03			DRAWN BY			DATE				
	0.25 OVER 0.5 UNDER			±0.05			AYOSHI 101			2014/01/17				
	0.5 OVER 1.0 UNDER			±0.1			CHECKED BY			DATE				
	1.0 OVER 10 UNDER			±0.2			YKOBAYASHI 102			2014/01/17				
	10 OVER 30 UNDER			±0.25			APPROVED BY			DATE				
	30 OVER			±0.3			YNOGAWA			2014/10/31				
	ANGULAR ±1 °						MATERIAL NO.							
REV	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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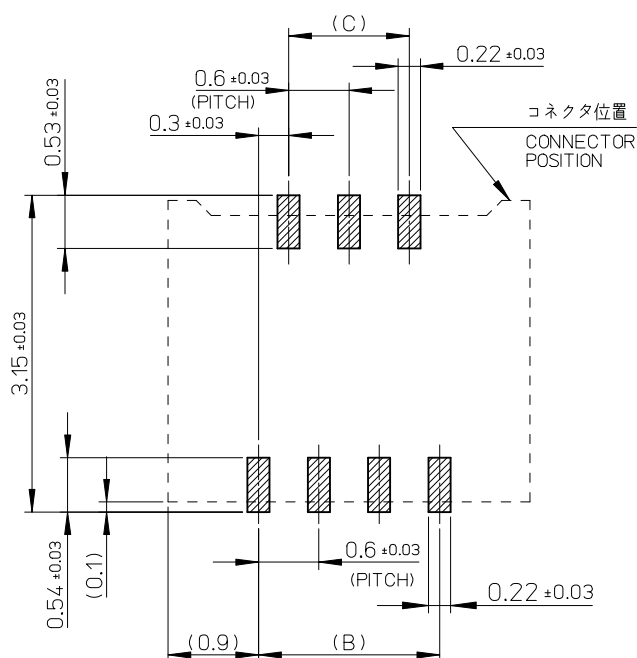
E

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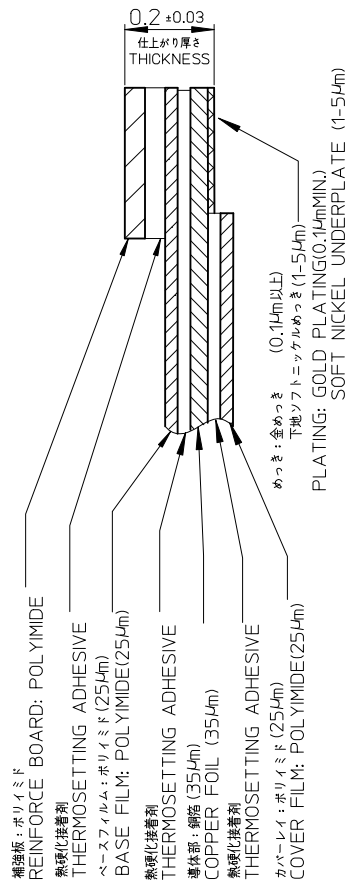
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B

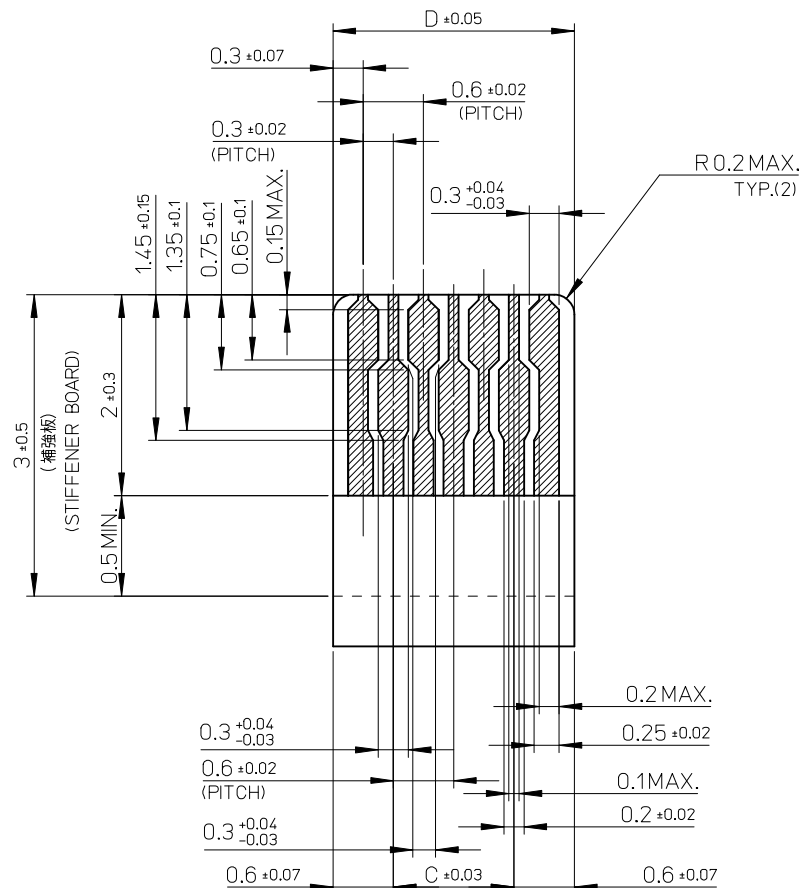
A



推奨基板レイアウト	
RECOMMENDED P.C.BOARD PATTERN LAYOUT	
推奨メタルマスク厚さ: 0.1mm	
RECOMMENDED METAL MASK THICKNESS: 0.1mm	
推奨開口率: 70%	
APERTURE RATE: 70%	



FPC構成推奨仕様
STRUCTURE OF FPC



適合金メッキFPC推奨寸法
仕上がり厚さ: 0.2 ±0.03

APPLICABLE FPC WITH GOLD PLATING
RECOMMENDED DIMENSION
THICKNESS: 0.2 ±0.03

注記
NOTE

- 必ず基板に実装してからアクチュエータを操作して下さい。
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON THE SUBSTRATE.
- FPCについて
ABOUT FPC
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様、お願い致します。
RECOMMENDED STIFFENER MATERIAL: POLYIMIDE
RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE
NOTE: PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

打抜き方向は導体側から補強板側を推奨致します。
RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.

SEE SHEET 1 OF 2 EC NO: J2016-0484 DRAWN BY: AYOSHI101 2015/11/10 CHK'D BY: YKOBAYASHI022015/11/10 APPR: YNOGAWA 2015/11/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 20:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		0.25 UNDER	±0.03	DRAWN BY	DATE	TITLE 0.3 FPC CONN. BACK FLIP LA75 SERIES HOUSING ASSY molex		
		0.25 OVER 0.5 UNDER	±0.05	AYOSHI101	2014/01/17			
		0.5 OVER 1.0 UNDER	±0.1	CHECKED BY	DATE	DOCUMENT NO. SD-504754-003		
		1.0 OVER 10 UNDER	±0.2	YKOBAYASHI02	2014/01/17			
		10 OVER 30 UNDER	±0.25	APPROVED BY	DATE	SHEET NO. 2 OF 2		
		30 OVER	±0.3	YNOGAWA	2014/10/31			
		ANGULAR ±1 °		MATERIAL NO.		SEE SHEET 1		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3				

10

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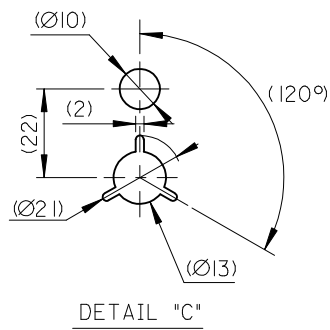
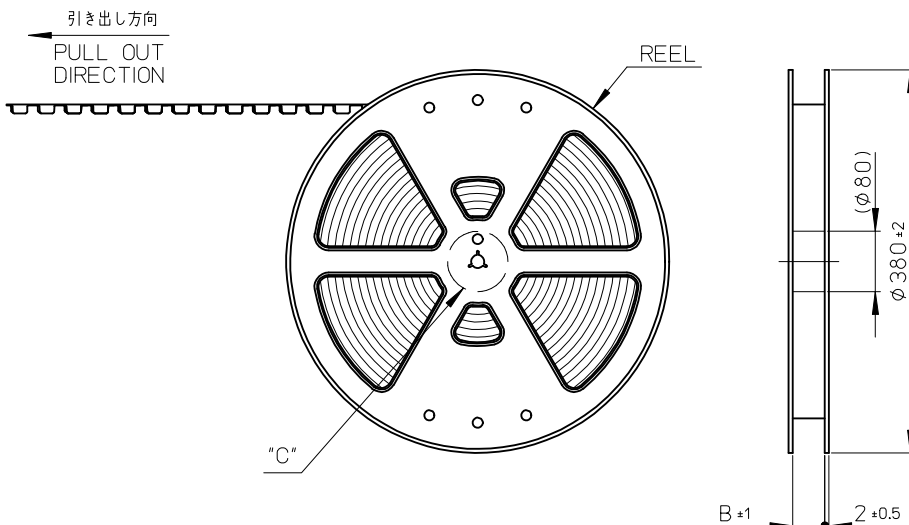
4

3

2

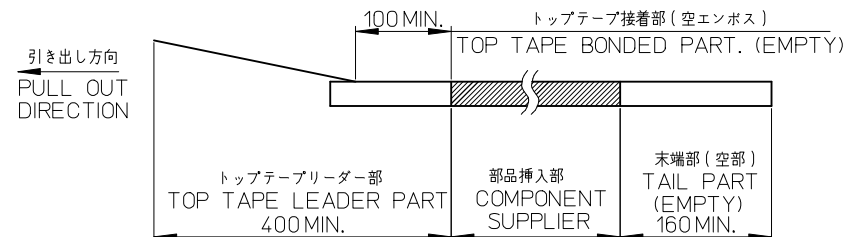
1

ELV AND RoHS COMPLIANT



注記 NOTES

- 製品詳細寸法については図面 SD-504754-003 を参照下さい。
REFER TO THE SD-504754-003 ABOUT DIMENSIONS IN DETAIL.
- 梱包数量：5000個／リール
NUMBER OF CONNECTORS：5000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



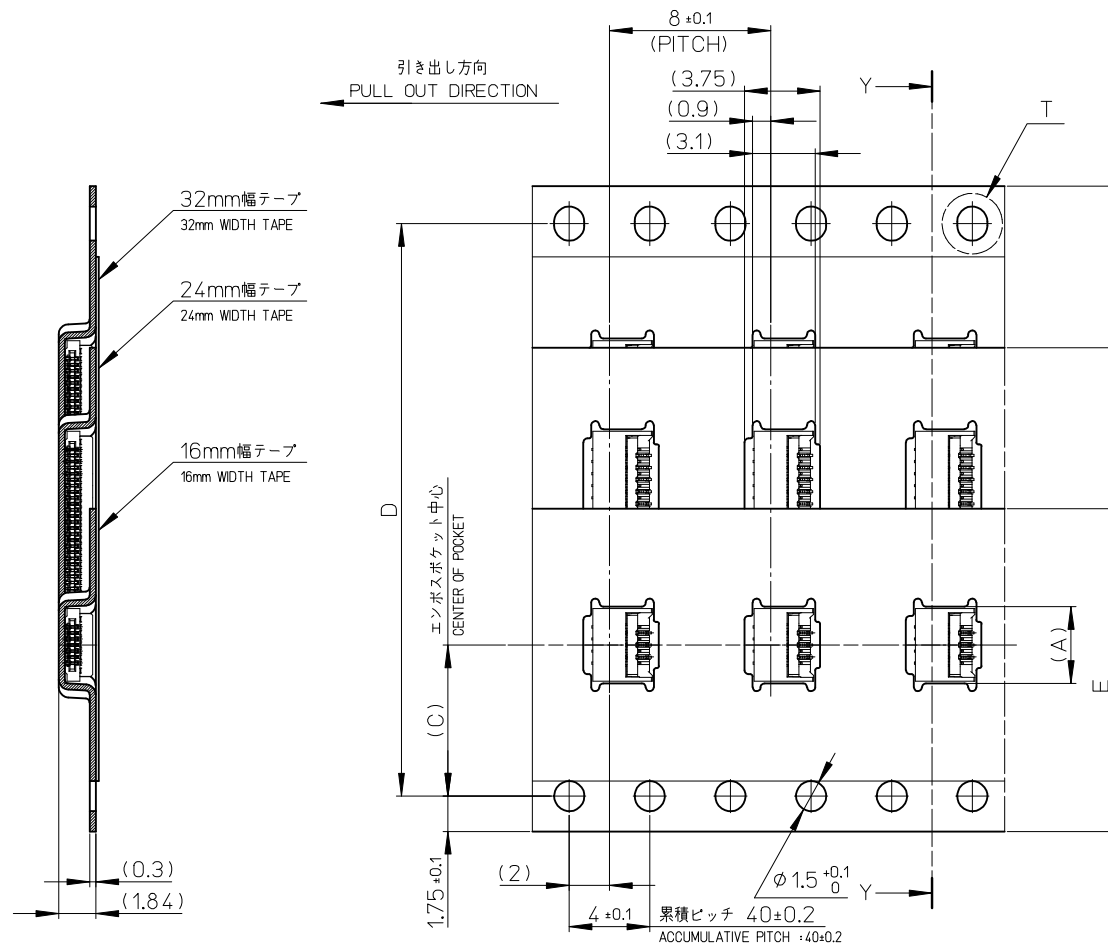
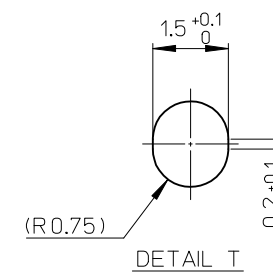
4. 材料 MATERIAL

キャリアテープ (CARRIER TAPE)：ポリスチレン (POLYSTYRENE)
トップテープ (TOP TAPE)：PET，PE，PEF
リール (REEL)：ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT

REVISED	EC NO: J2016-0484 DRAWN:AYOSHI101 2015/11/10 CHKD:YKOBAYASHI022015/11/10 APPR:YNOGAWA 2015/11/12	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			0.25 UNDER	± 0.03	DRAWN BY	DATE	TITLE 0.3 FPC CONN. BACK FLIP LA75 SERIES TAPING PACKAGE molex				
			0.25 OVER 0.5 UNDER	± 0.05	AYOSHI101	2014/01/17					
			0.5 OVER 1.0 UNDER	± 0.1	CHECKED BY	DATE					
			1.0 OVER 10 UNDER	± 0.2	YKOBAYASHI02	2014/01/17					
			10 OVER 30 UNDER	± 0.25	APPROVED BY	DATE					
			30 OVER	± 0.3	YNOGAWA	2015/01/29	DOCUMENT NO. SD-504754-004			SHEET NO. 1 OF 2	
			ANGULAR ±1 °	MATERIAL NO.							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART						
			REV	T	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

ELV AND RoHS COMPLIANT



SECTION Y-Y

32±0.3	28.4	14.2	33.4	20.0	504754-6120	61	
				17.0	504754-5120	51	
24±0.3	--	11.5	25.4	14.0	504754-4120	41	
				13.4	504754-3920	39	
				12.8	504754-3720	37	
				12.2	504754-3520	35	
				11.6	504754-3320	33	
				11.0	504754-3120	31	
				9.2	504754-2520	25	
				8.0	504754-2120	21	
16±0.3	--	7.5	17.4	6.2	504754-1520	15	
				4.9	504754-1120	11	
				4.3	504754-0920	9	
				3.7	504754-0720	7	
E キャリアテープ幅 EMBOSSED TAPE WIDTH		D	C	B	A	オーダー番号 ORDER NO.	極 数 CIRCUITS

SEE SHEET 1 EC NO: J2016-0484 DRWN:AYOSHI I01 2015/11/10 CHKD:YKOBAYASHI022015/11/10 APPR:YNOGAWA 2015/11/12	DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	REV	0.25 UNDER	±0.03	DRAWN BY	DATE	TITLE 0.3 FPC CONN. BACK FLIP LA75 SERIES TAPING PACKAGE molex	DOCUMENT NO. SD-504754-004	SHEET NO. 2 OF 2	
		0.25 OVER 0.5 UNDER	±0.05	AYOSHI I01	2014/01/17				
		0.5 OVER 1.0 UNDER	±0.1	CHECKED BY	DATE				
		1.0 OVER 10 UNDER	±0.2	YKOBAYASHI02	2014/01/17				
		10 OVER 30 UNDER	±0.25	APPROVED BY	DATE				
		30 OVER	±0.3	YNOGAWA	2015/01/29				
	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					

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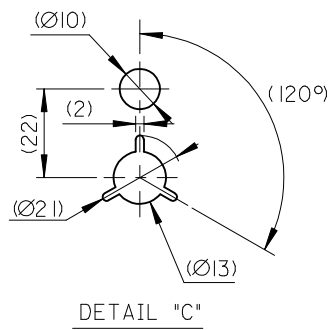
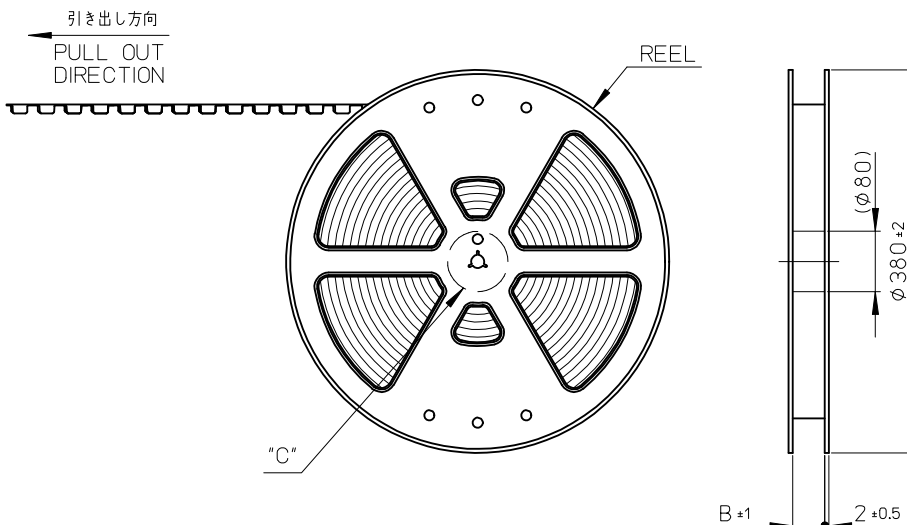
4

3

2

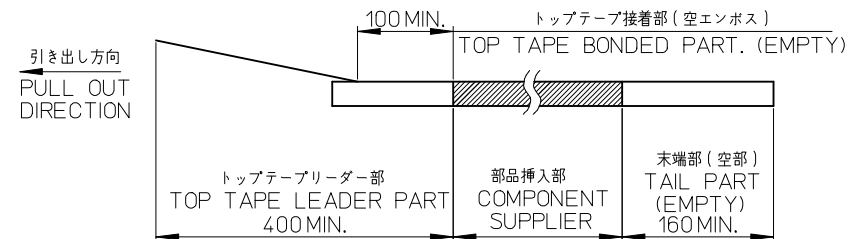
1

ELV AND RoHS COMPLIANT



注記 NOTES

- 製品詳細寸法については図面 SD-504754-003 を参照下さい。
REFER TO THE SD-504754-003 ABOUT DIMENSIONS IN DETAIL.
- 梱包数量：5000個／リール
NUMBER OF CONNECTORS：5000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



4. 材料 MATERIAL

キャリアテープ (CARRIER TAPE)：ポリスチレン (POLYSTYRENE)

トップテープ (TOP TAPE)：PET，PE，PEF

リール (REEL)：ポリスチレン (PS) <リサイクル材を含む>

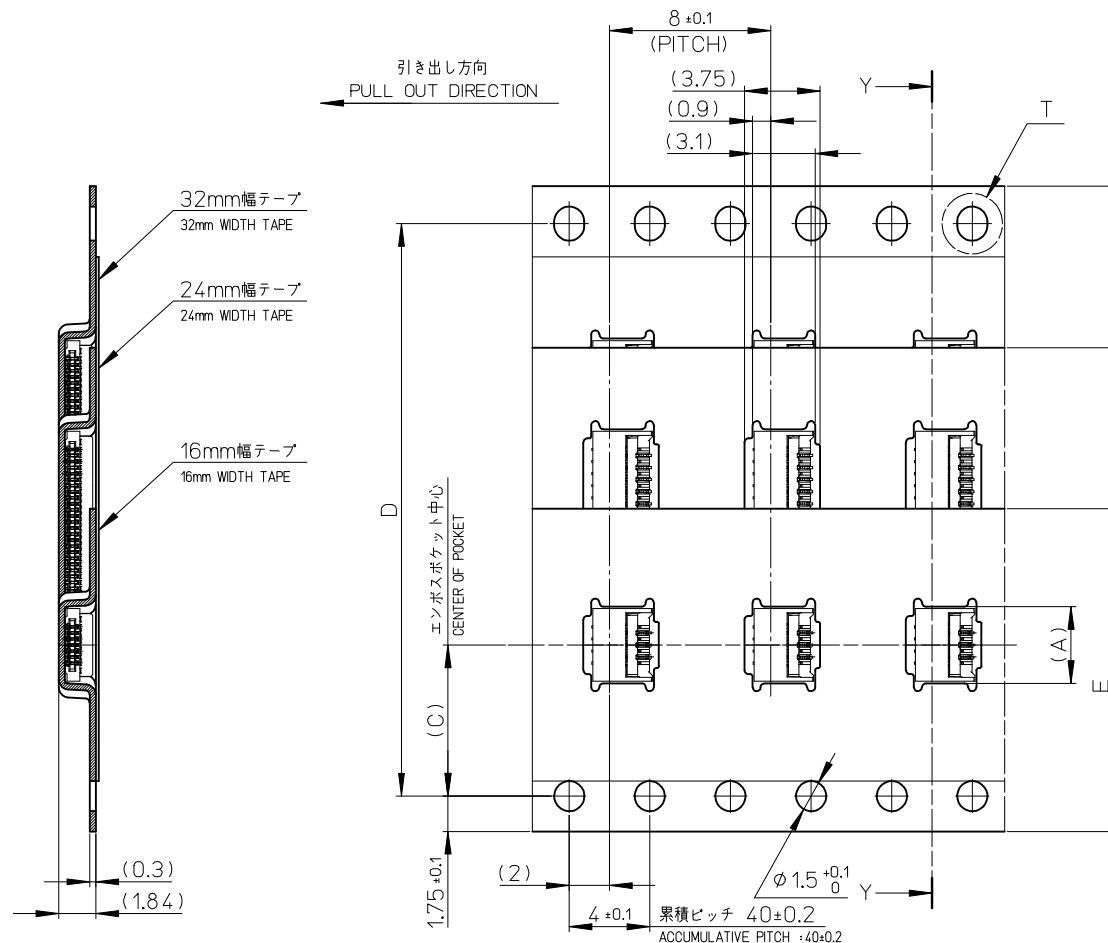
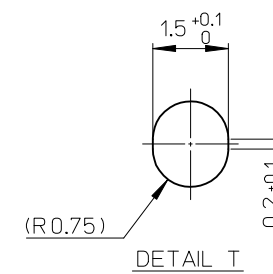
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

5. ELV 及び RoHS 適合品

ELV AND RoHS COMPLIANT

REVISED EC NO.: J2016-0484 DRAWN: AYOSHI 101 2015/11/10 CHKD.: KOBAYASHI 022015/11/10 APPR.: YNOGAWA 2015/11/12	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		0.25 UNDER		± 0.03	DRAWN BY	DATE	TITLE 0.3 FPC CONN. BACK FLIP LA75 SERIES TAPING PACKAGE		
		0.25 OVER	0.5 UNDER	± 0.05	AYOSHI 101	2014/01/17			
		0.5 OVER	1.0 UNDER	± 0.1	CHECKED BY	DATE			
		1.0 OVER	10 UNDER	± 0.2	YKOBAYASHI 02	2014/01/17			
		10 OVER	30 UNDER	± 0.25	APPROVED BY	DATE			
		30 OVER		± 0.3	YNOGAWA	2015/01/29			
		ANGULAR ±1 °			MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
					SEE CHART		SD-504754-004	1 OF 2	
		REV	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		

ELV AND RoHS COMPLIANT



SECTION Y-Y

32±0.3	28.4	14.2	33.4	20.0	504754-6120	61	
				17.0	504754-5120	51	
24±0.3	--	11.5	25.4	14.0	504754-4120	41	
				13.4	504754-3920	39	
				12.8	504754-3720	37	
				12.2	504754-3520	35	
				11.6	504754-3320	33	
				11.0	504754-3120	31	
				9.2	504754-2520	25	
				8.0	504754-2120	21	
16±0.3	--	7.5	17.4	6.2	504754-1520	15	
				4.9	504754-1120	11	
				4.3	504754-0920	9	
				3.7	504754-0720	7	
E キャリアテープ幅 EMBOSSED TAPE WIDTH		D	C	B	A	オーダー番号 ORDER NO.	極 数 CIRCUITS

SEE SHEET 1 EC NO: J2016-0484 DRWN:AYOSHI I01 2015/11/10 CHKD:YKOBAYASHI022015/11/10 APPR:YNOGAWA 2015/11/12	DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	REV	0.25 UNDER	±0.03	DRAWN BY	DATE	TITLE 0.3 FPC CONN. BACK FLIP LA75 SERIES TAPING PACKAGE molex	DOCUMENT NO. SD-504754-004	SHEET NO. 2 OF 2	
		0.25 OVER 0.5 UNDER	±0.05	AYOSHI I01	2014/01/17				
		0.5 OVER 1.0 UNDER	±0.1	CHECKED BY	DATE				
		1.0 OVER 10 UNDER	±0.2	YKOBAYASHI02	2014/01/17				
		10 OVER 30 UNDER	±0.25	APPROVED BY	DATE				
		30 OVER	±0.3	YNOGAWA	2015/01/29				
	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					