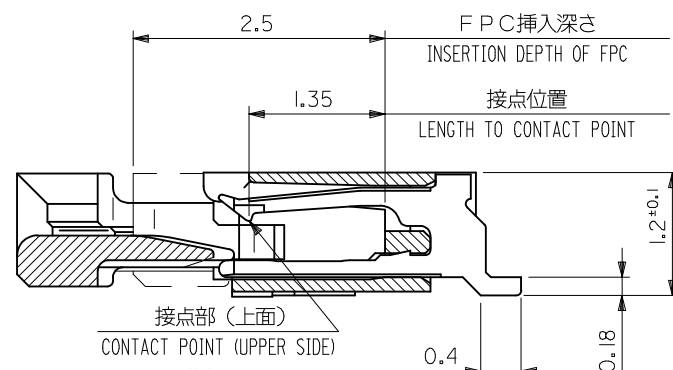
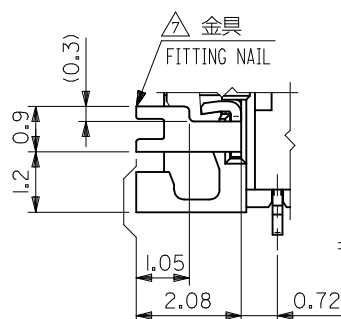
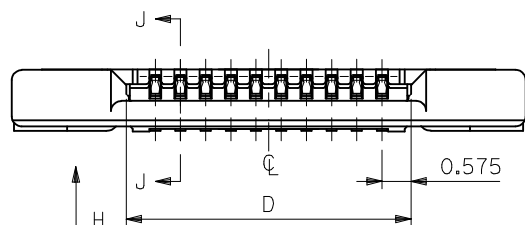
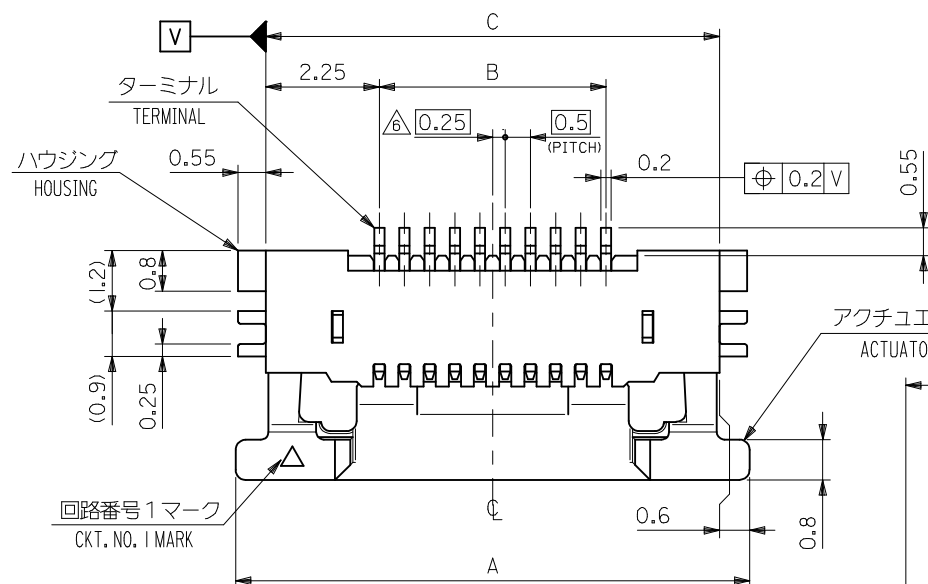


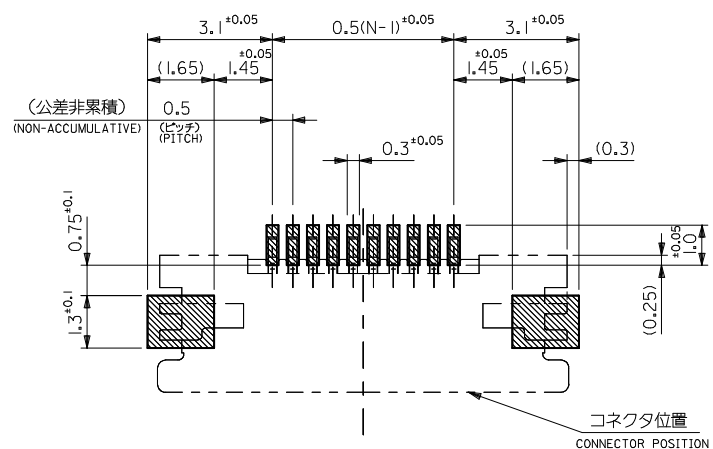


SECT. J-J
SCALE 20:1

0.28 ^{+0.03}	13.65	17	12.5	18.2	54550-2633	26
0.3 ^{+0.03}	12.65	16	11.5	17.2	54550-2433	24
	11.65	15	10.5	16.2	54550-2233	22
	11.15	14.5	10	15.7	54550-2133	21
	10.65	14	9.5	15.2	54550-2033	20
	10.15	13.5	9	14.7	54550-1933	19
	9.65	13	8.5	14.2	54550-1833	18
	9.15	12.5	8	13.7	54550-1733	17
	8.65	12	7.5	13.2	54550-1633	16
	8.15	11.5	7	12.7	54550-1533	15
	7.65	11	6.5	12.2	54550-1433	14
	7.15	10.5	6	11.7	54550-1333	13
	6.65	10	5.5	11.2	54550-1233	12
	6.15	9.5	5	10.7	54550-1133	11
	5.65	9	4.5	10.2	54550-1033	10
	5.15	8.5	4	9.7	54550-0933	9
	4.65	8	3.5	9.2	54550-0833	8
	4.15	7.5	3	8.7	54550-0733	7
	3.65	7	2.5	8.2	54550-0633	6
3.15	6.5	2	7.7	54550-0533	5	
2.65	6.0	1.5	7.2	54550-0433	4	
THICKNESS OF FPC	D	C	B	A	EMBOSSED TAPE ORDER No. オークター番号	極数 Ckt

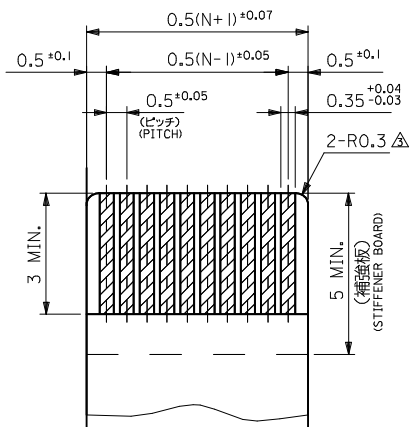
CONNECTOR SERIES NO. : 54550-**22

REVISED	EC NO: J2013-1168	DRAWN: SANJIMA 2013/04/15 CHKD: K TAKAHASHI 2013/04/16 APPR: KMORI KAWA 2013/04/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
				10 UNDER	± 0.2	DRAWN BY NKONDO	DATE 2012/09/13	TITLE 0.5MM FPC CONN ZIF R/A HOUSING ASSY (UPPER CONTACT) molex			
				10 OVER 30 UNDER	± 0.25	CHECKED BY K TAKAHASHI	DATE 2012/09/13				
				30 OVER	± 0.3	APPROVED BY KMORI KAWA	DATE 2013/03/15				
				ANGULAR ±3 °		MATERIAL NO.					
REV	A			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54550-075		1 OF 2	
				SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

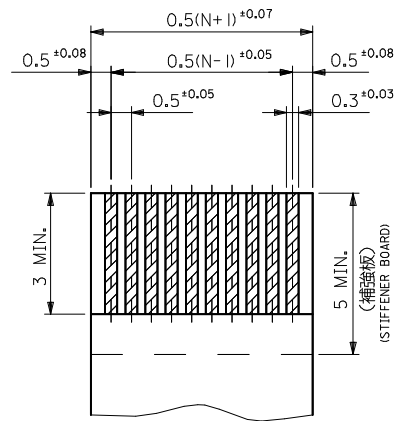


推奨基板レイアウト
RECOMMENDED P.C.BOARD
PATTERN DIMENSION

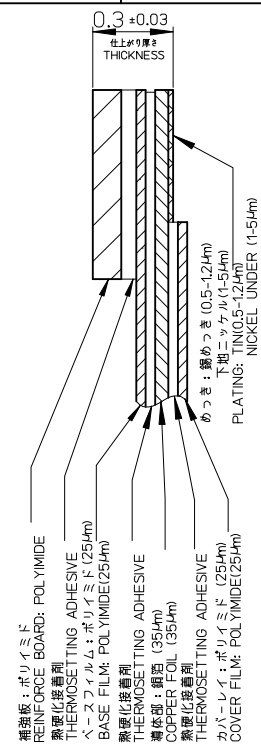
(マウント面)
(MOUNTING SIDE)



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ:表参照)
(THICKNESS:SEE CHART)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ:表参照)
(THICKNESS:SEE CHART)



FPC構成推奨仕様
STRUCTURE OF FPC

注記 NOTES

I. 使用材料 MATERIAL

ハウジング	： 液晶ホリマー（LCP）、ナチュラル(白色)、 ガラス充填、UL94V-0
HOUSING	LIQUID QLYSTAL POLYMER, NATURAL(WHITE), GLASS FILLED, UL-94V0
アクチュエータ	： ポリフェニレンサルファイド(PPS)、ナチュラル(茶色) ガラス充填、UL94V-0
ACTUATOR	POLYPHENYLENE SULFIDE, NATURAL(BROWN), GLASS FILLED, UL-94V0
ターミナル TERMINAL	： リン青銅（t=0.2） PHOSPHOR BRONZE (t=0.2)
金具 FITTING NAIL	： リン青銅（t=0.2）、 PHOSPHOR BRONZE (t=0.2)

2. めっき仕様 PLATING
ターミナル TERMINAL

錫銀ビスマスメッキ(1.0 μm以上)
 下地: ニッケルメッキ(1.0 μm以上)
 TIN SILVER BISMUTH PLATING (1.0 MICROMETER MINIMUM)
 UNDER PLATE : NICKEL PLATING (1.0 MICROMETER MINIMUM)
 金具 FITTING NAIL
 銅メッキ(1.0 μm以上)
 下地: ニッケルメッキ(1.0 μm以上)
 TIN PLATING
 TIN PLATING (1.0 MICROMETER MINIMUM)
 UNDER PLATE : NICKEL PLATING (1.0 MICROMETER MINIMUM)

③ R0.3はFPCの導体部にかからないこと
R0.3 MUST NOT BE OVERLAPED TO PATTERN OF FPC.

4. エンボステープ梱包時は、アクチュエータがロックした状態とする。
IN THE PACKAGE,ACTUATOR OF PART NO.54550-*** SHOULD BE LOCKED.

△ソルダーテール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 [Z] に対し上方向 0MAX.、下方向 0.15MAX.とし
相互のバラツキ量は0.1MAX.とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM [Z]
UPPER DIRECTION: 0 MAX. , LOWER DIRECTION: 0.15 MAX.
OFFSET BETWEEN UPPER AND LOWER 0.1MAX.

△ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

△ パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B. PATTERN.

8. ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

FPC/FFCについて ABOUT FPC/FFC

打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟銅箔35 μmまたは50 μmを推奨します。

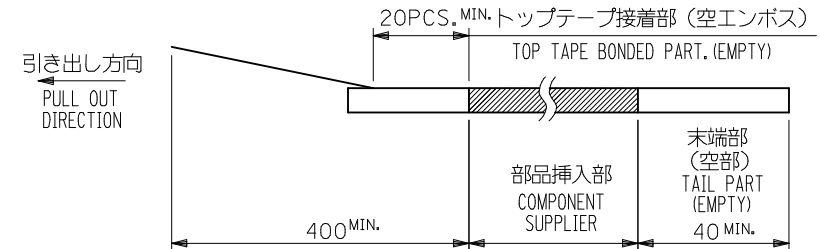
RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER

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25 µm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.

REVISED EC NO: J2013-1168 DRWN: NKONDO CHKD: K TAKAHASHI APPR: KMORI KAWA 2013/03/15 2013/04/16 2013/04/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	NKONDO	2012/09/13	TITLE 0.5MM FPC CONN ZIF R/A HOUSING ASSY (UPPER CONTACT)				
		10 OVER 30 UNDER	± 0.25	K TAKAHASHI	2012/09/13					
		30 OVER	± 0.3	KMORI KAWA	2013/03/15					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54550-075				2 OF 2	
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

NOTES

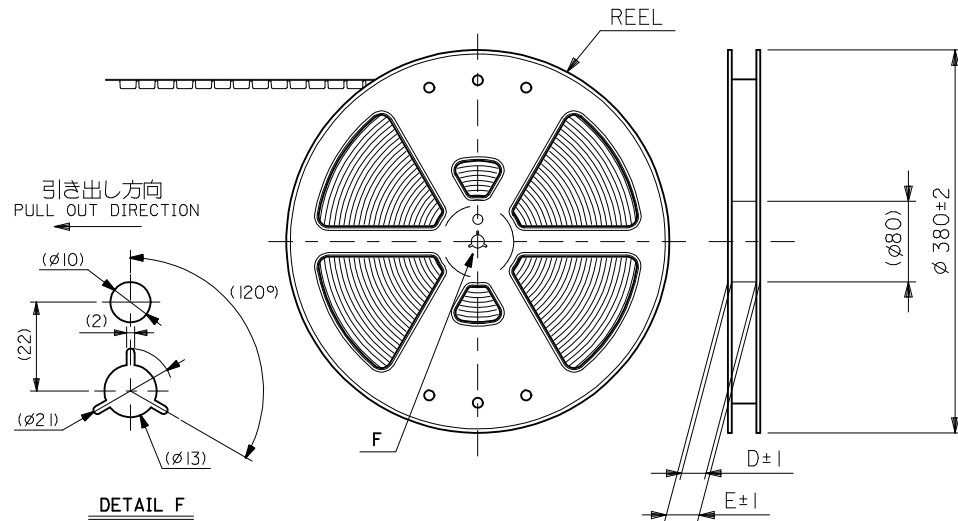
- 製品詳細寸法については図面 54550-**22 を参照下さい。
RE DETAILED DIMENSION, SEE 54550-**22
- 梱包数量：3000個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- カバートープの剥離強度については、IEC60286-3に準拠
Cover tape peel force is defined by IEC60286-3.

- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE)：PET、PE、PEF
リール(REEL)：ポリスチレン(P.S.) <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



RELEASED EC NO: J2013-1014 DRWN: NKONDO 2012/09/13 CHKD: TAKAHASHI 2012/09/13 APPR: KMORIKAWA 2013/03/15 REV 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY NKONDO	DATE 2012/09/13	TITLE EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF R/A HOUSING ASSY molex DOCUMENT NO. SD-54550-076 SHEET NO. 1 OF 4			
		10 OVER 30 UNDER	± 0.25	CHECKED BY TAKAHASHI	DATE 2012/09/13				
		30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/03/15				
		ANGULAR ±3 °	MATERIAL NO.						
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART							
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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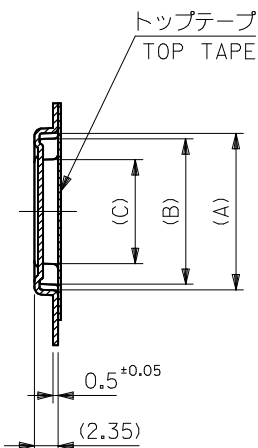
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4

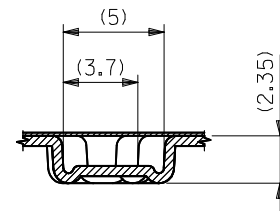
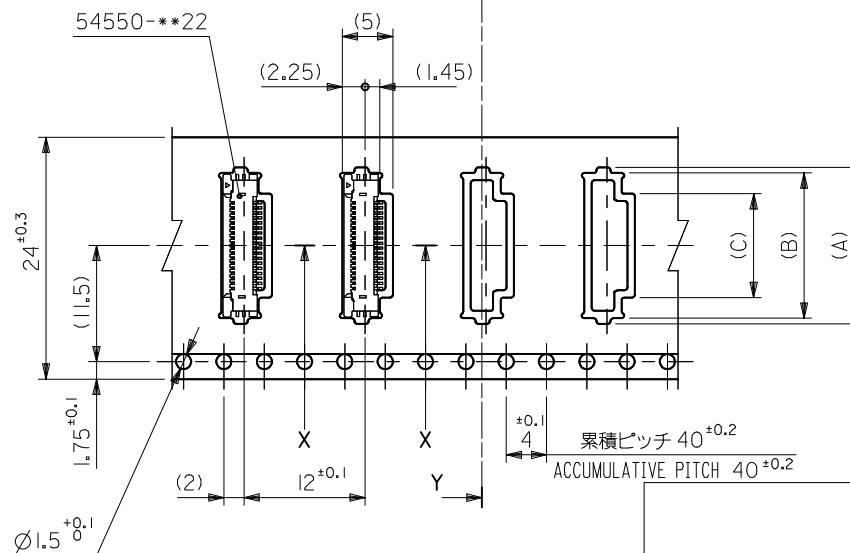
3

2

1

引き出し方向
PULL OUT DIRECTION

SECT. Y-Y



SECT. X-X

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	12.3	16.4	17.5	54550-2233	22
			11.8	15.9	17	54550-2133	21
			11.3	15.4	16.5	54550-2033	20
			10.8	14.9	16	54550-1933	19
			10.3	14.4	15.5	54550-1833	18
			9.8	13.9	15	54550-1733	17
			9.3	13.4	14.5	54550-1633	16
			8.8	12.9	14	54550-1533	15
			8.3	12.4	13.5	54550-1433	14
			7.8	11.9	13	54550-1333	13
			7.3	11.4	12.5	54550-1233	12
			6.8	10.9	12	54550-1133	11
			6.3	10.4	11.5	54550-1033	10
			5.8	9.9	11	54550-0933	9
5.3	9.4	10.5	54550-0833	8			
4.8	8.9	10	54550-0733	7			
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	製品番号 MATERIAL No.	極数 Ckt
					54550-**33	MODEL No.	

RELEASED EC NO: J2013-1014 DRWN: NKONDO 2012/09/13 CHKD: TAKAHASHI 2012/09/13 APPR: KMORIKAWA 2013/03/15	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY NKONDO	DATE 2012/09/13	TITLE EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF R/A HOUSING ASSY molex			
		10 OVER 30 UNDER	± 0.25	CHECKED BY TAKAHASHI	DATE 2012/09/13				
		30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/03/15				
		ANGULAR ±3 °		MATERIAL NO.					DOCUMENT NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54550-076		3 OF 4		
	0	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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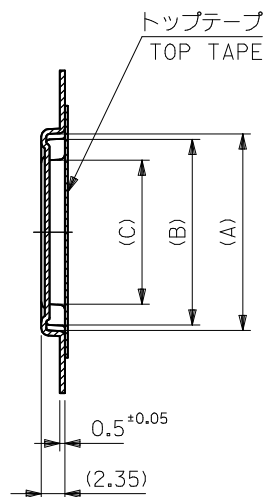
4

3

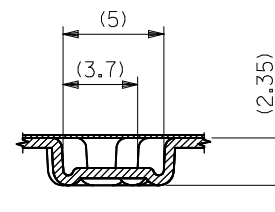
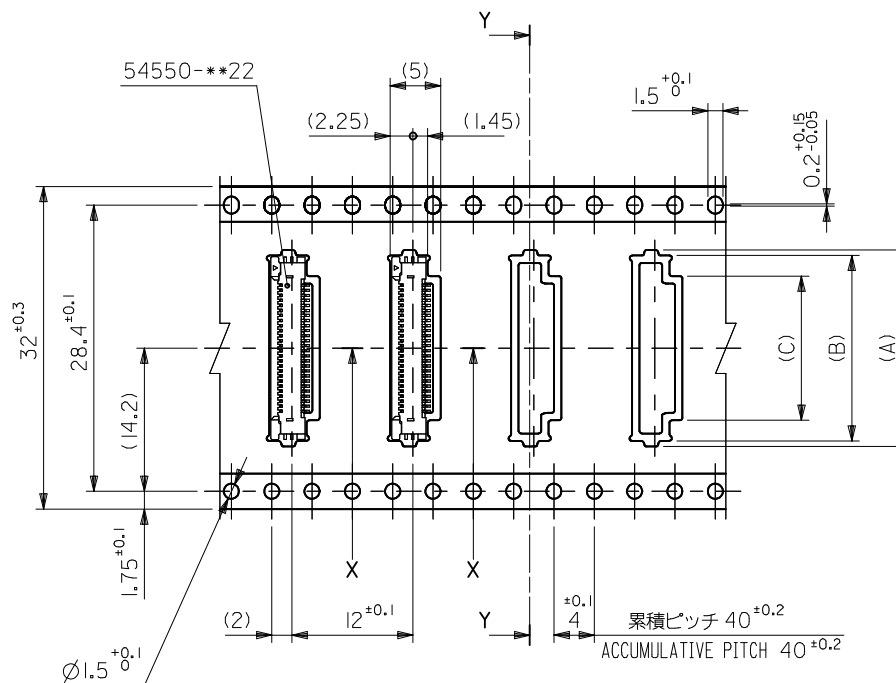
2

1

引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



SECT. X-X

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	37.4	33.4	14.3	18.4	19.5	54550-2633	26
			13.3	17.4	18.5	54550-2433	24
キャリアテープ幅 CARRIER TAPE WIDTH		E	D	(C)	(B)	(A)	製品番号 MATERIAL No.
		54550-***33		MODEL No.			

RELEASED EC NO: J2013-1014 2012/09/13 DRWN: NKONDO 2012/09/13 CHKD: TAKAHASHI 2012/09/13 APPR: KMORIKAWA 2013/03/15	DESCRIPTION REV 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY NKONDO	DATE 2012/09/13	TITLE EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF R/A HOUSING ASSY molex			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTAKAHASHI	DATE 2012/09/13				
		30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/03/15				
		ANGULAR ±3 °		MATERIAL NO.					DOCUMENT NO. SD-54550-076
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART					
		SIZE A3							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION