

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0545500871](#)
Status: **Active**
Overview: [ffc_fpc_smt](#)
Description: 0.50mm (.020") Pitch FFC/FPC Connector, 1.20mm (.047") Height, Right Angle, SMT, ZIF, Top Contact Style, 8 Circuits, Gold Contact Plating

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-54550-012 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	FFC/FPC Connectors
Series	54550
Overview	ffc_fpc_smt
Product Name	N/A

Physical

Circuits (Loaded)	8
Contact Position	Top
Durability (mating cycles max)	20
Entry Angle	90° Angle
Mated Height (in)	0.047 In
Mated Height (mm)	1.20 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FFC/FPC

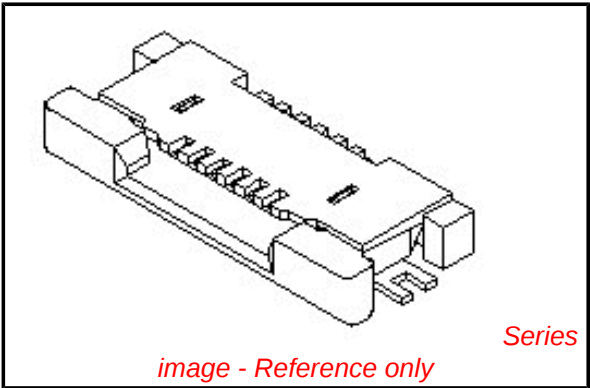
Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-54550-056
Product Specification	PS-54550-012, RPS-54550-078, RPS-54550-080, RPS-54550-083, RPS-54550-088, RPS-54550-089, RPS-54550-090
Sales Drawing	SD-54550-042, SD-54550-043



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS

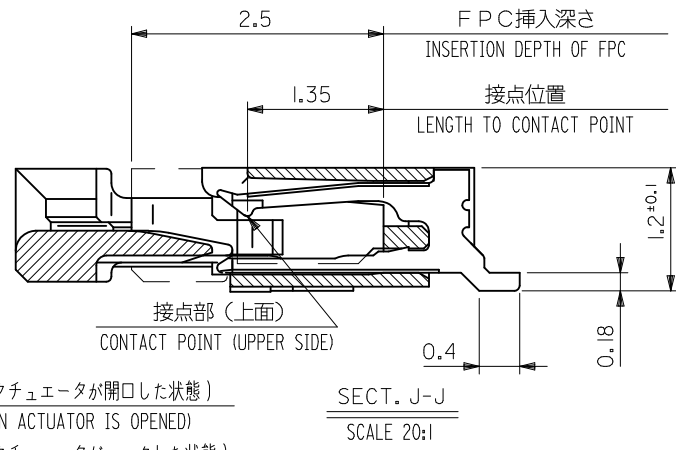
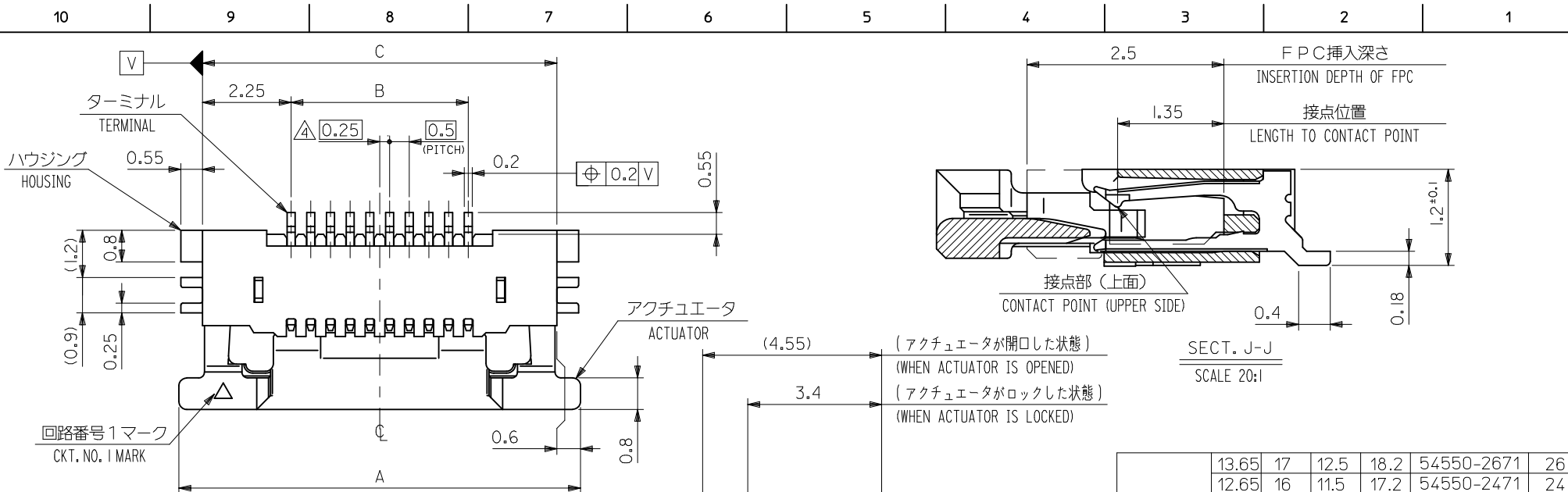


**Need more information on product
environmental compliance?**

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.

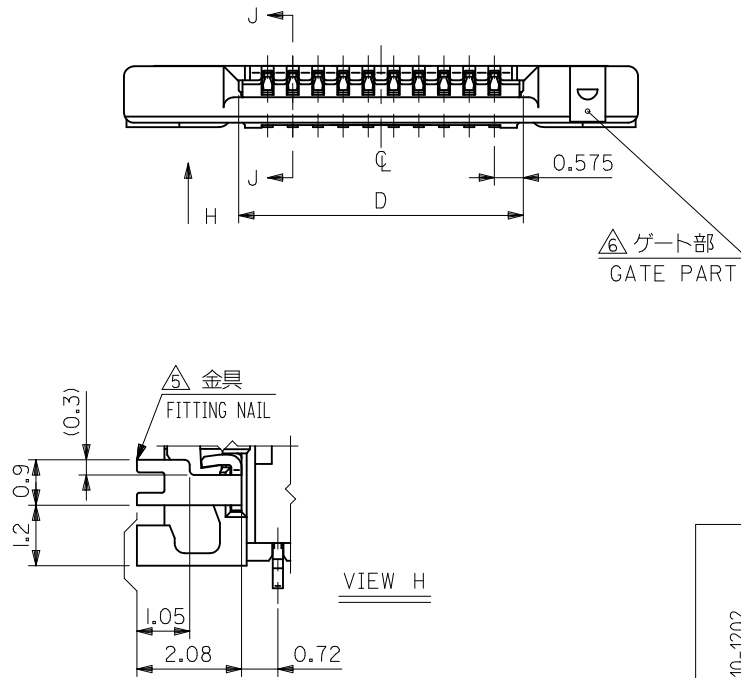
Search Parts in this Series
[54550Series](#)



SECT. J-J
SCALE 20:1

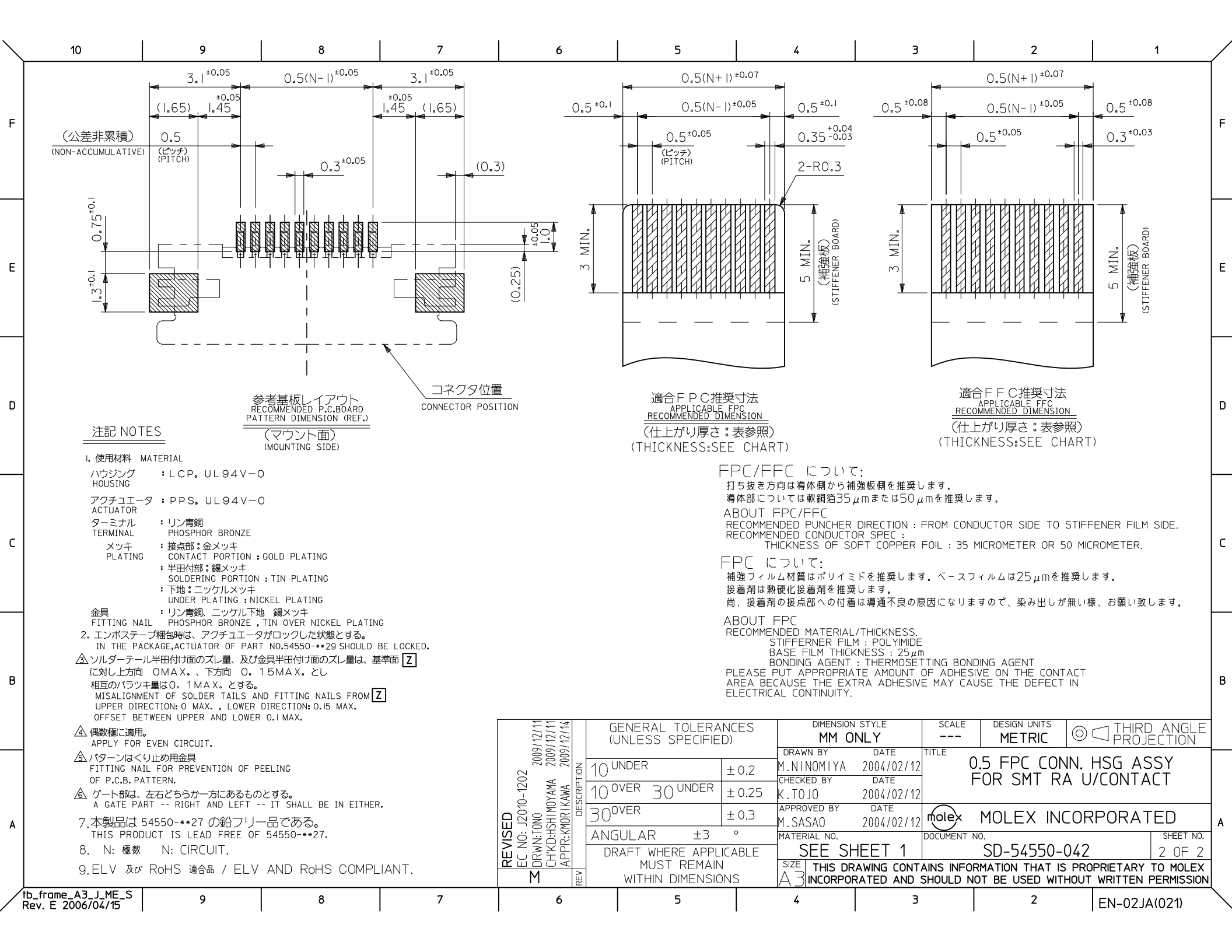
0.3 ±0.03	13.65	17	12.5	18.2	54550-2671	26
	12.65	16	11.5	17.2	54550-2471	24
	11.65	15	10.5	16.2	54550-2271	22
	11.15	14.5	10	15.7	54550-2171	21
	10.65	14	9.5	15.2	54550-2071	20
	10.15	13.5	9	14.7	54550-1971	19
	9.65	13	8.5	14.2	54550-1871	18
	9.15	12.5	8	13.7	54550-1771	17
	8.65	12	7.5	13.2	54550-1671	16
	7.65	11	6.5	12.2	54550-1471	14
	7.15	10.5	6	11.7	54550-1371	13
	6.65	10	5.5	11.2	54550-1271	12
	6.15	9.5	5	10.7	54550-1171	11
	5.65	9	4.5	10.2	54550-1071	10
	5.15	8.5	4	9.7	54550-0971	9
	4.65	8	3.5	9.2	54550-0871	8
	4.15	7.5	3	8.7	54550-0771	7
	3.65	7	2.5	8.2	54550-0671	6
	3.15	6.5	2	7.7	54550-0571	5
	2.65	6	1.5	7.2	54550-0471	4
THICKNESS OF FPC	D	C	B	A	EMBOSSED TAPE ORDER No. オーダー番号	極数 Ck+

CONNECTOR SERIES NO. 54550-**-29



VIEW H

REVISED EC NO: J2010-1202 DRWN: TONO CHKD: HSHIMOTO APPR: KMORI KAWA 2009/12/11 2009/12/11 2009/12/14	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY M. NINOMIYA	DATE 2004/02/12	TITLE 0.5 FPC CONN. HSG ASSY FOR SMT RA U/CONTACT				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/02/12					
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/02/12	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54550-042		1 OF 2		
	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

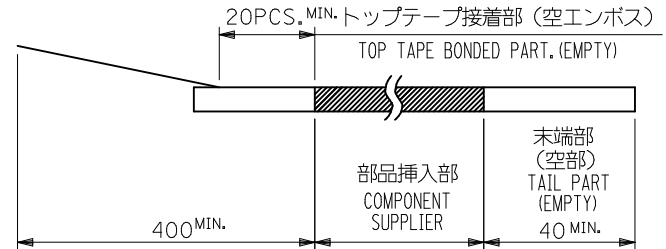
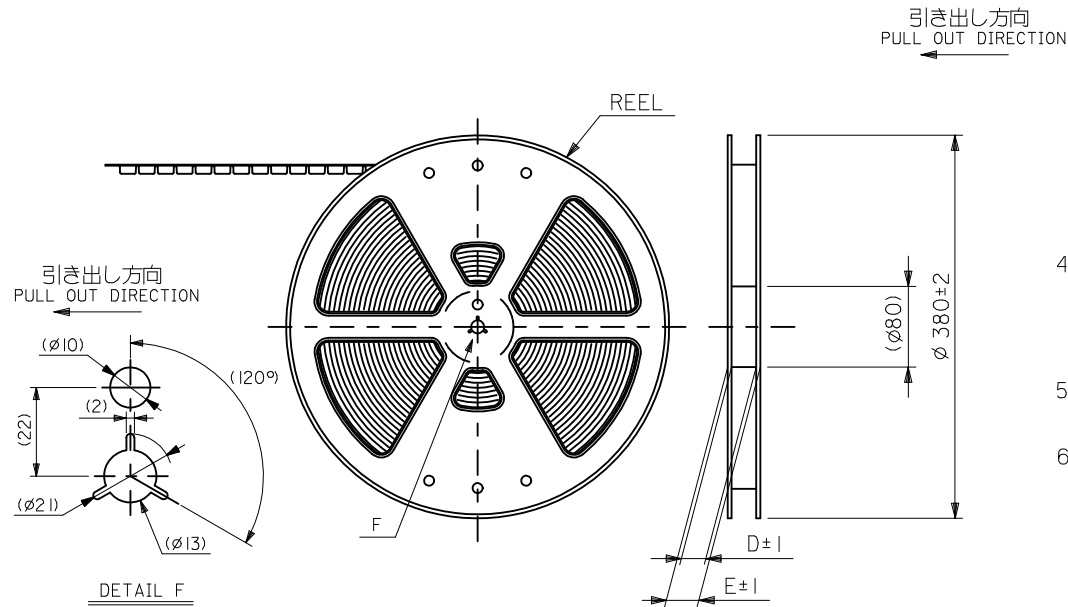
3

2

1

NOTES

- 製品詳細寸法については図面 SD-54550-042 を参照下さい。
RE DETAILED DIMENSION, SEE SD-54550-042.
- 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



- 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 (TOP TAPE) : 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 (P.S) <RECYCLE MATERIAL CONTAINED>
- 本製品は 54550-**9I の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 54550-**9I.
- ELV 及び RoHS 適合品 / ELV AND RoHS COMPLIANT.

REVISED EC NO: J2010-1202 DRWN: TONO CHKD: SHIMOMIYAMA APPR: KIMORI KAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NINOMIYA	DATE 2004/02/12	TITLE EMBSTP PKG FOR 0.5 FPC CONN ZIF UPR CONT				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/02/12					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/02/12	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.			DOCUMENT NO.			SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1 OR 2			SD-54550-043			1 OF 3	
L	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9

8

7

6

5

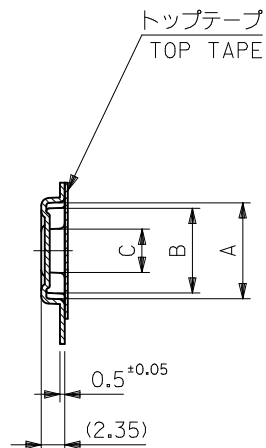
4

3

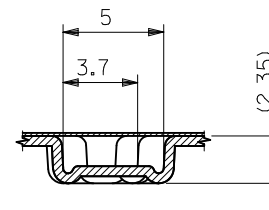
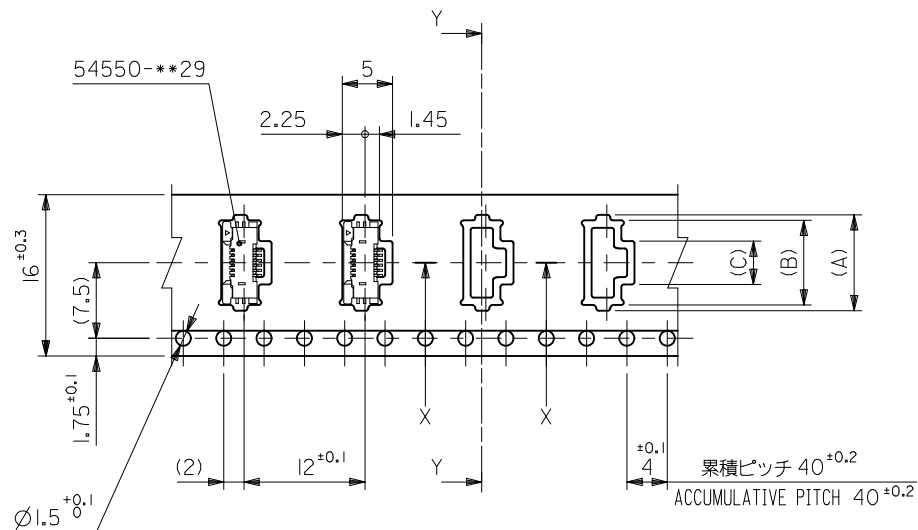
2

10 9 8 7 6 5 4 3 2 1

引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



SECT. X-X

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	21.4	17.4	4.3	8.4	9.5	54550-0671	6
			3.8	7.9	9	54550-0571	5
			3.3	7.4	8.5	54550-0471	4
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

REVISED EC NO: J2010-1202 DRWN: TONO CHKD: SHIMOMIYAMA APPR: KMORI KAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NINOMIYA	DATE 2004/02/12	TITLE EMBSTP PKG FOR 0.5 FPC CONN ZIF UPR CONT				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/02/12					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/02/12	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-54550-043			2 OF 3	
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

F

E

D

C

B

A

F

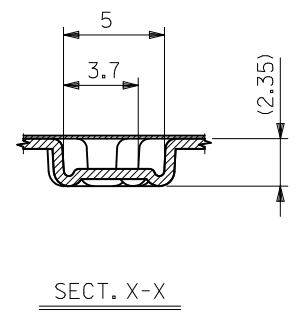
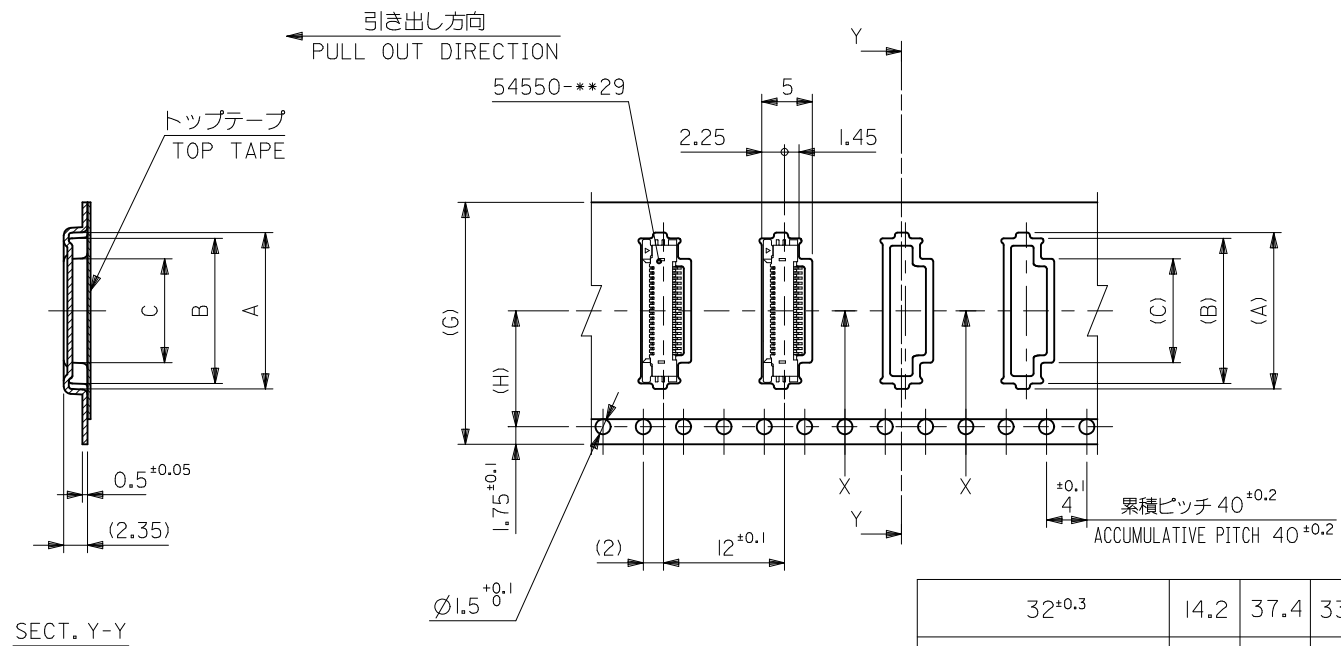
E

D

C

B

A



SECT. Y-Y

24, 32mm幅キャリアテープ
24mm, 32mm WIDTH CARRIER TAPE

32 ^{+0.3}	14.2	37.4	33.4	14.3	18.4	19.5	54550-2671	26
24 ^{+0.3}	11.5	29.4	25.4	13.3	17.4	18.5	54550-2471	24
				12.3	16.4	17.5	54550-2271	22
				11.8	15.9	17	54550-2171	21
				11.3	15.4	16.5	54550-2071	20
				10.8	14.9	16	54550-1971	19
				10.3	14.4	15.5	54550-1871	18
				9.8	13.9	15	54550-1771	17
				9.3	13.4	14.5	54550-1671	16
				8.3	12.4	13.5	54550-1471	14
				7.8	11.9	13	54550-1371	13
				7.3	11.4	12.5	54550-1271	12
				6.8	10.9	12	54550-1171	11
				6.3	10.4	11.5	54550-1071	10
				5.8	9.9	11	54550-0971	9
				5.3	9.4	10.5	54550-0871	8
				4.8	8.9	10	54550-0771	7
G キャリアテープ幅 CARRIER TAPE WIDTH	H	E	D	(C)	(B)	(A)	製品番号 MATERIAL No.	極数 Ck+

REVISED EC NO: J2010-1202 DRWN: TONO 2009/12/11 CHKD: SHIMOMIYAMA 2009/12/11 APPR: KMORI KAWA 2009/12/14	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NINOMIYA	DATE 2004/02/12	TITLE EMBSTP PKG FOR 0.5 FPC CONN ZIF UPR CONT				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/02/12					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/02/12	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SHEET NO. 3 OF 3					
	REV			SIZE A3						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION