

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5025551360

Status:

Active

Description:

0.42mm (.017") Pitch Easy-On™ Type FPC Connector, Right Angle, SMT, Top Contact, 5.90mm (.232") Mated Height, 136 Circuits, with Dust Cover, Lead-free

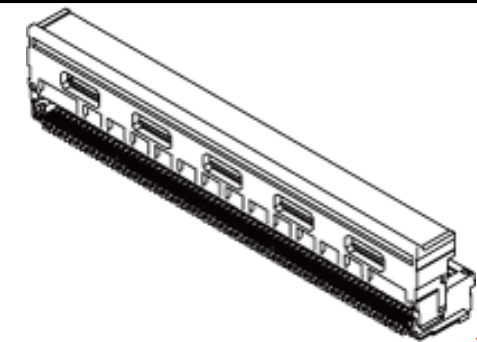


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-502555-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Series

Product Name

FFC/FPC Connectors

502555

Easy-On™

Physical

Circuits (Loaded)

Contact Position

Durability (mating cycles max)

Entry Angle

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Number of Rows

Orientation

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to PCB

Stackable

Temperature Range - Operating

Termination Interface: Style

Wire/Cable Type

136

Top

20

90° Angle

0.232 In

5.90 mm

Phosphor Bronze

Gold

Gold

1

Right Angle

None

Embossed Tape on Reel

0.017 In

0.42 mm

Yes

No

-30°C to +105°C

Surface Mount

FPC only

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.3A

125V

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-502555-001, RPS-502555-001, RPS-502555-002

SD-502555-001, SD-502555-002

EU RoHS

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

China RoHS



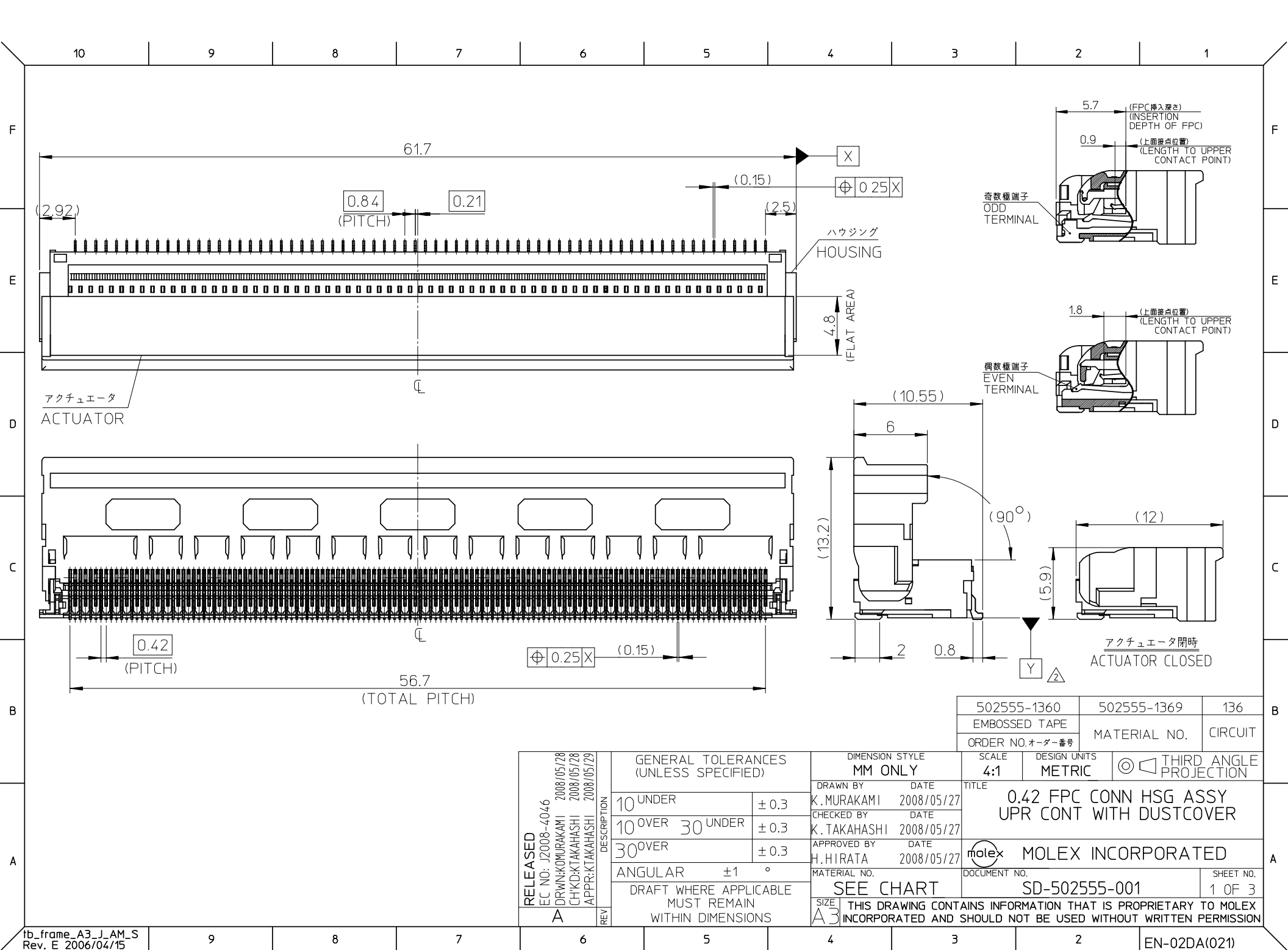
Need more information on product
environmental compliance?

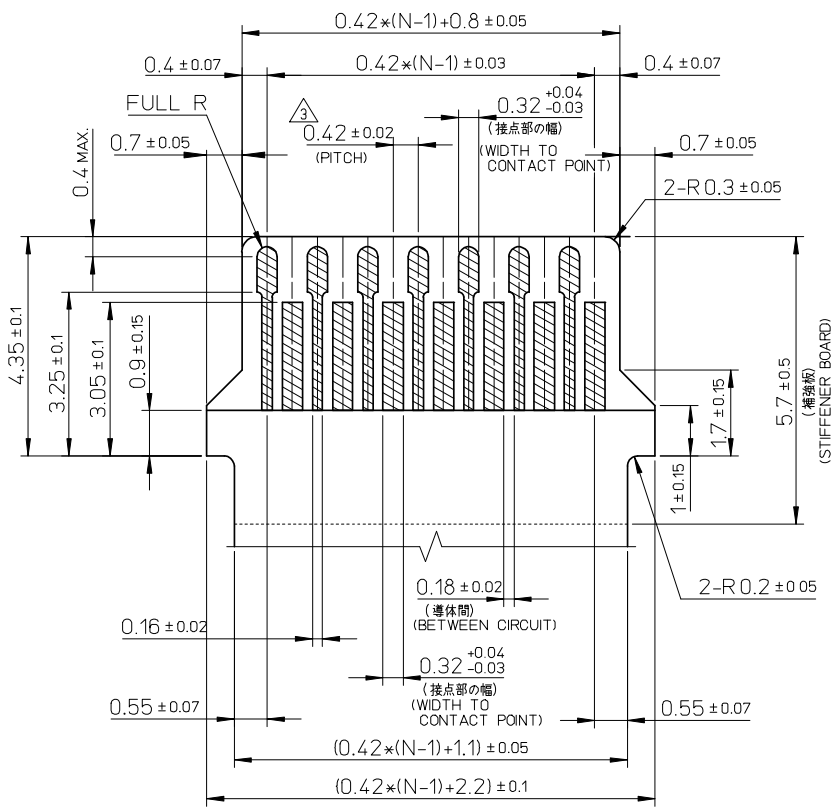
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
502555Series

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適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ: 0.3±0.05)
(THICKNESS: 0.3±0.05)

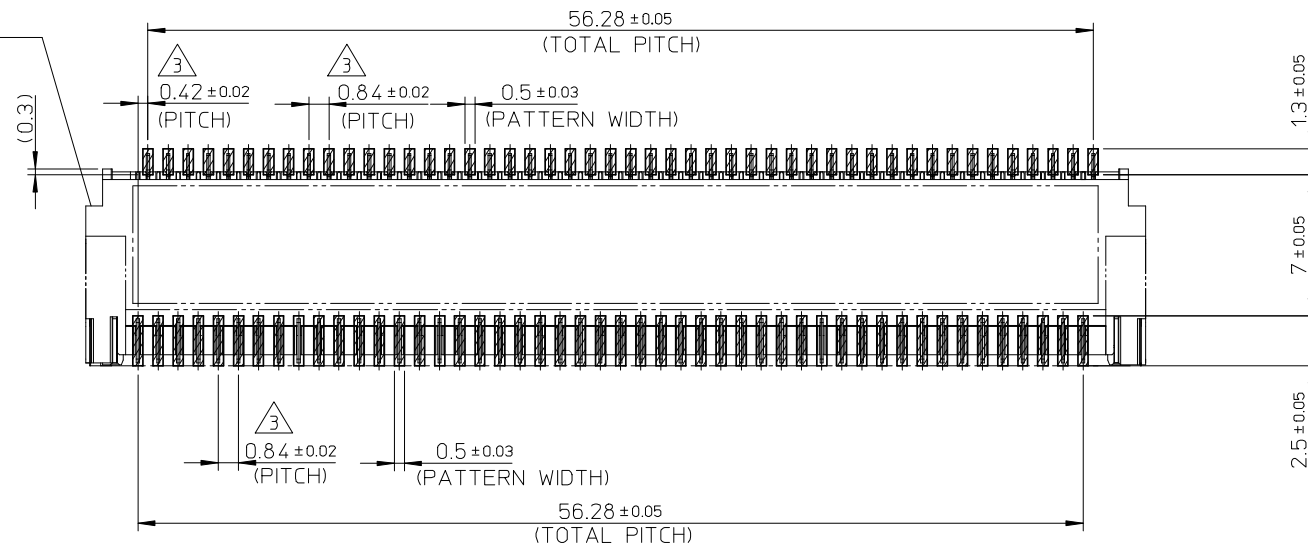
FPCについて:
抜き方向は、導体側から補強板側を推奨致します。
補強フィルム材質は、ポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、
染み出しが無い様、お願い致します。

ABOUT FPC:
RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.
RECOMMENDED MATERIAL:
STIFFENER FILM: POLYIMIDE
BONDING AGENT: THERMOSETTING AGENT
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON THE
CONTACT AREA BECAUSE THE EXTRA ADHESIVE MAY CAUSE
THE DEFECT IN ELECTRICAL CONTINUITY.

RELEASED EC NO: J2008-4046 DRAWN: K. MURAKAMI 2008/05/28 CHKD: K. TAKAHASHI 2008/05/28 APPR: K. TAKAHASHI 2008/05/29 A	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE —#—	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER ±0.3		DRAWN BY DATE K. MURAKAMI 2008/05/27		TITLE 0.42 FPC CONN HSG ASSY UPR CONT WITH DUSTCOVER			
		10 OVER 30 UNDER ±0.3		CHECKED BY DATE K. TAKAHASHI 2008/05/27					
		30 OVER ±0.3		APPROVED BY DATE H. HIRATA 2008/05/27		MOLEX INCORPORATED			
		ANGULAR ±1°		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SD-502555-001		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			

10 9 8 7 6 5 4 3 2 1

コネクタ位置
CONNECTOR
POSITION



参考基板レイアウト図
RECOMMENDED P.C.BOARD
PATTERN DIM(REF)

(マウント面)
(MOUNTING SIDE)

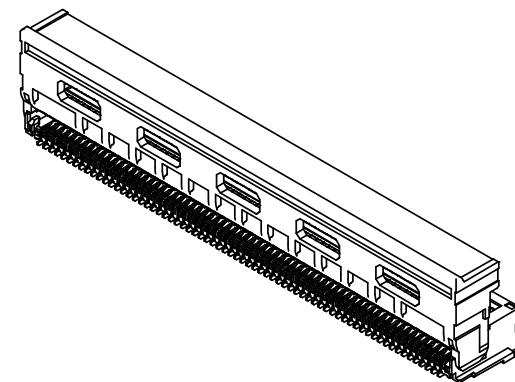
注記 NOTES

1. 使用材料 MATERIAL
ハウジング: 液晶ポリマー ガラス充填 UL94V-0
HOUSING: LIQUID CRYSTAL POLYMER (GRASS FILLED) UL94V-0
アクチュエータ: PPS、ガラス充填 UL94V-0
ACTUATOR: POLYPHENYLENESULFIDE (GRASS FILLED) UL94V-0
ターミナル: リン青銅 (t=0.15)
TERMINAL: PHOSPHOR-BRONZE
メッキ
PLATING
コンタクト: ニッケル下地
CONTACT AREA: GOLD(0.1 MICROMETER MIN. FOR SEALING DEPOSITION)
OVER NICKEL PLATING
テール: ニッケル下地
TAIL AREA: GOLD(0.05 MICROMETER MIN. FOR SEALING DEPOSITION)
OVER NICKEL PLATING

△. ソルダータール半田付け面のズレ量は、基準面 Y に対し、
上方向 0.05 MAXIMUM、下方向 0.25 MAXIMUM とする。
又、相互のパラッキ量は、0.1 MAXIMUM とする。
MISALIGNMENT OF SOLDER TAILS FROM Y
UPPER DIRECTION : 0.05 MAXIMUM, LOWER DIRECTION : 0.25 MAX.
OFFSET BETWEEN SOLDER TAILS AND FITTING NAILS : 0.1 MAX.

△. 公差非累積のこと。
NON-ACCUMULATIVE.

4. そり/ねじれ調整により、外観形状が変更することがあります。
外形寸法が変更する場合は、別途協議させていただきます。
THE EXTERNALS SHAPE CHANGES BY
WARP/TWIST ADJUSTMENT OCCASIONALLY.
WE WILL CONFER SEPARATELY WHEN EXTERNALS
SIZE CHANGES.
5. 推奨ベースト厚: 150 μm
RECOMMEND SCREEN THICKNESS : 150 μm
6. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT



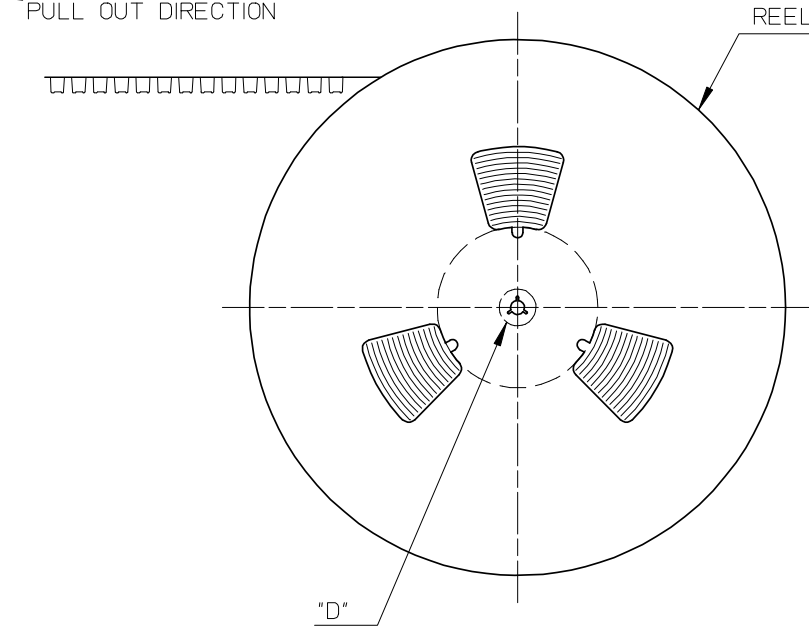
RELEASED		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: J2008-4046	2008/05/28	10 UNDER	± 0.3	DRAWN BY	DATE	—/—	METRIC	◎ □	
DRW: K. MURAKAMI	2008/05/28	10 OVER 30 UNDER	± 0.3	CHECKED BY	DATE	TITLE 0.42 FPC CONN HSG ASSY UPR CONT WITH DUSTCOVER			
CHKD: K. TAKAHASHI	2008/05/28	30 OVER	± 0.3	APPROVED BY	DATE				
APPR: K. TAKAHASHI	2008/05/29	ANGULAR	± 1	H. HIRATA	2008/05/27	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO.		SHEET NO.	
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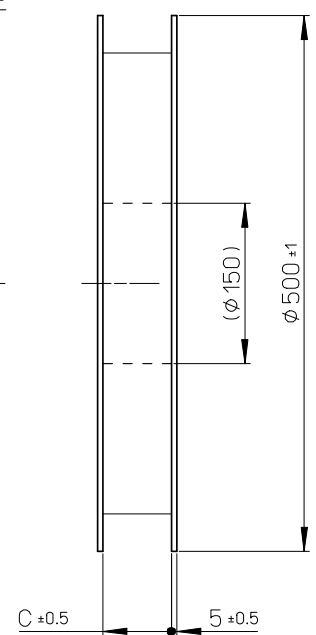
NOTES

- 製品詳細寸法については図面 SD-502555-001を参照下さい。
RE DETAILED DIMENSION, SEE SD-502555-001
- 梱包数量: 500 個/リール
NUMBER OF CONNECTORS: 500 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH

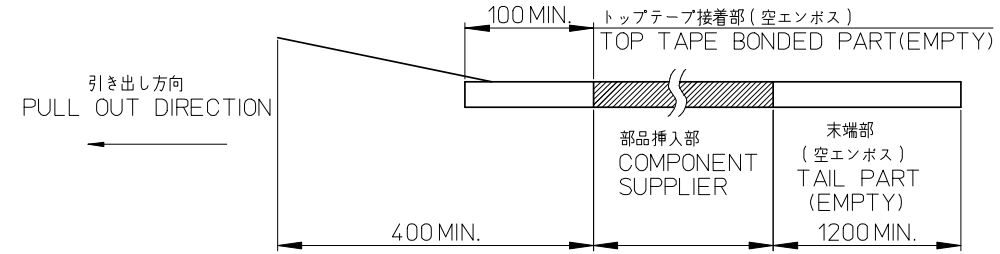
引き出し方向
PULL OUT DIRECTION



REEL

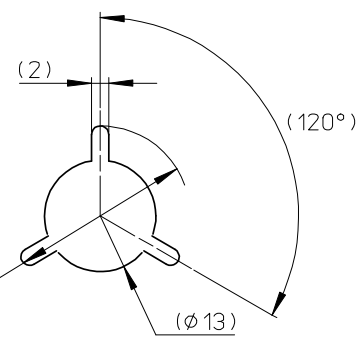


トップテープ未接着部
TOP TAPE NON-BONDED PART



- 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
リール(REEL): 紙製
PAPER

- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT



DETAIL "D"

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		30 OVER	± ---	APPROVED BY H. HIRATA	DATE 2008/05/27	MOLEX INCORPORATED				
		ANGULAR ± --- °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2 OF 2		SD-502555-002		1 OF 2		
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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F

E

D

C

B

A

F

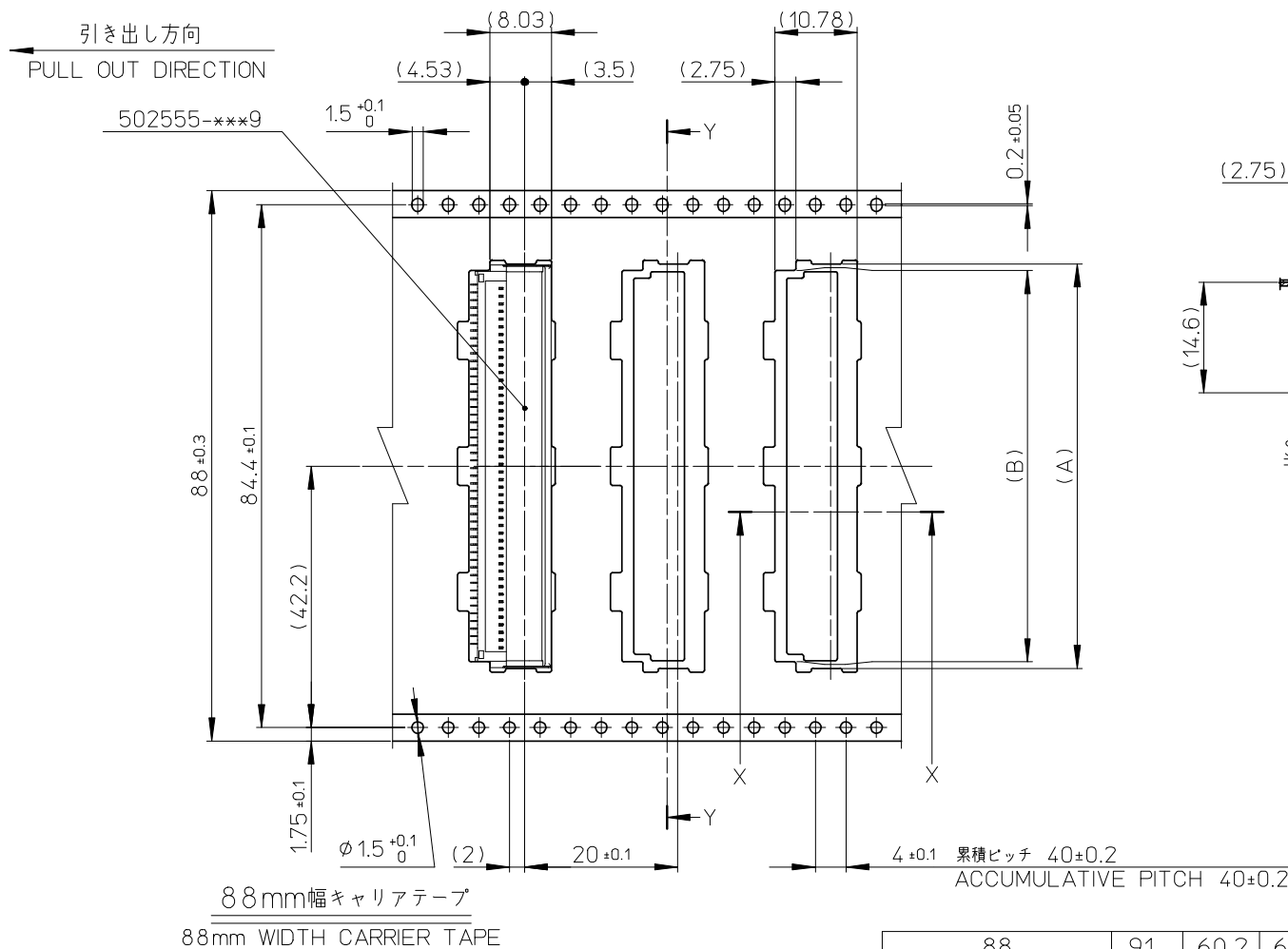
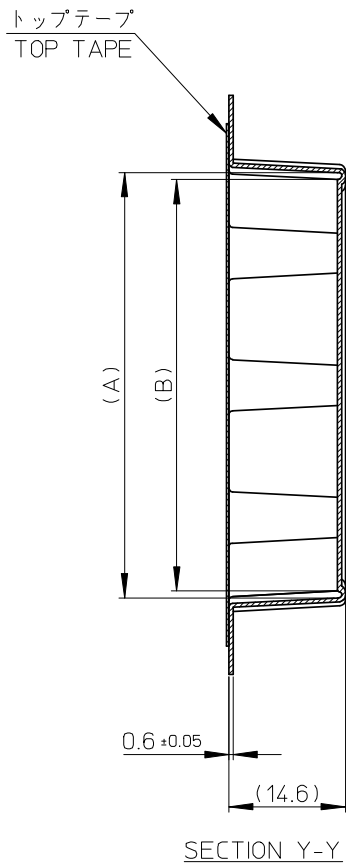
E

D

C

B

A



CARRIER TAPE		88		91	60.2	61.9	502555-1360	136
		キャリアテープ幅 CARRIER TAPE WIDTH		C	(B)	(A)	製品番号 MATERIAL No	極数 Ckt
MODEL NO. 502555-***0				SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
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A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						