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Part Number: [5020786160](#)
Status: **Active**
Description: 0.25mm (.010") Pitch Easy-On™ Type FPC Connector, 1.00mm (.039") Mated Height, Right Angle, SMT, Bottom Contact Style, with Extended Actuator, 61 Circuits, Halogen Free

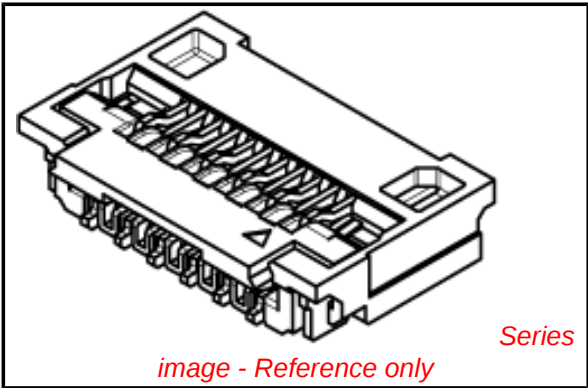
Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-502078-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	FFC/FPC Connectors
Series	502078
Product Name	Easy-On™
Physical	
Circuits (Loaded)	61
Contact Position	Bottom
Durability (mating cycles max)	10
Entry Angle	90° Angle
Mated Height (in)	0.039 In
Mated Height (mm)	1.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.010 In
Pitch - Mating Interface (mm)	0.25 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FPC only

Electrical	
Current - Maximum per Contact	0.2A
Voltage - Maximum	50V

Material Info

Reference - Drawing Numbers	
Packaging Specification	SPK-502078-001
Product Specification	PS-502078-003, RPS-502078-010
Sales Drawing	SD-502078-005, SD-502078-006



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

China RoHS

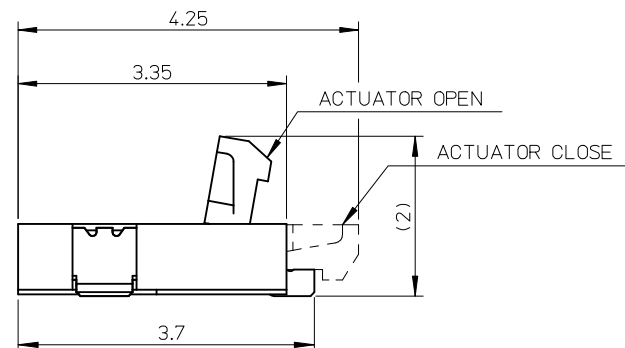
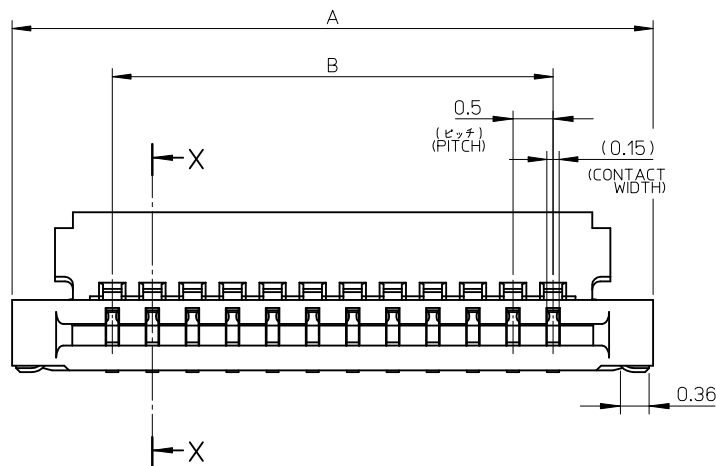
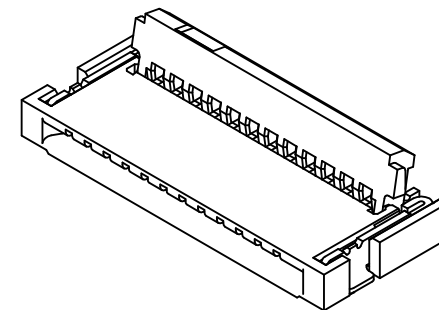
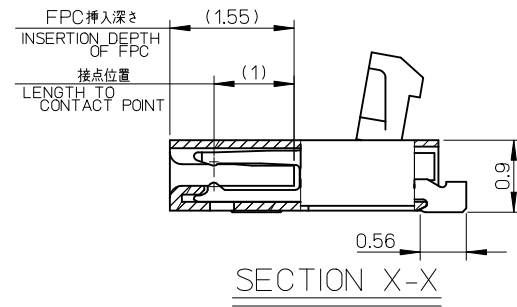
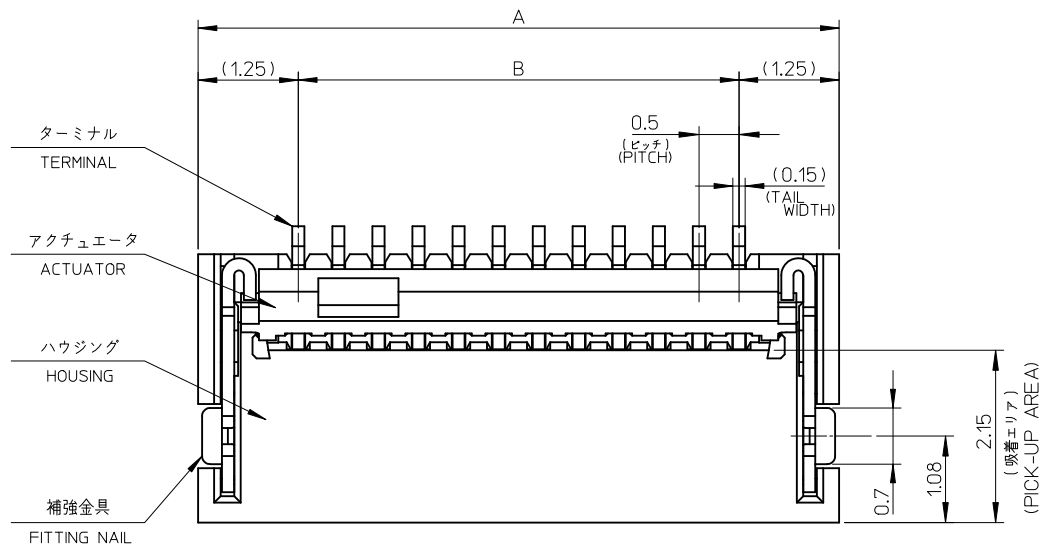


Need more information on product environmental compliance?

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

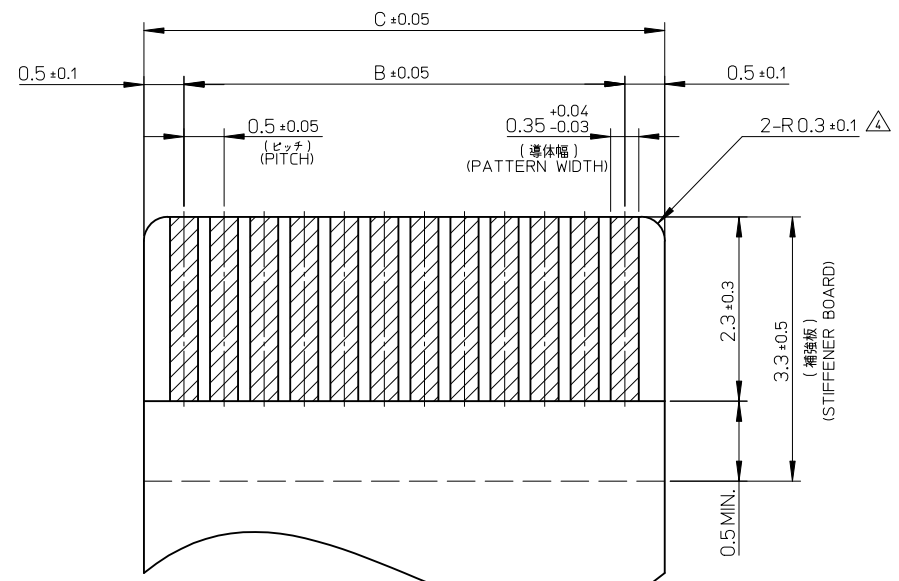
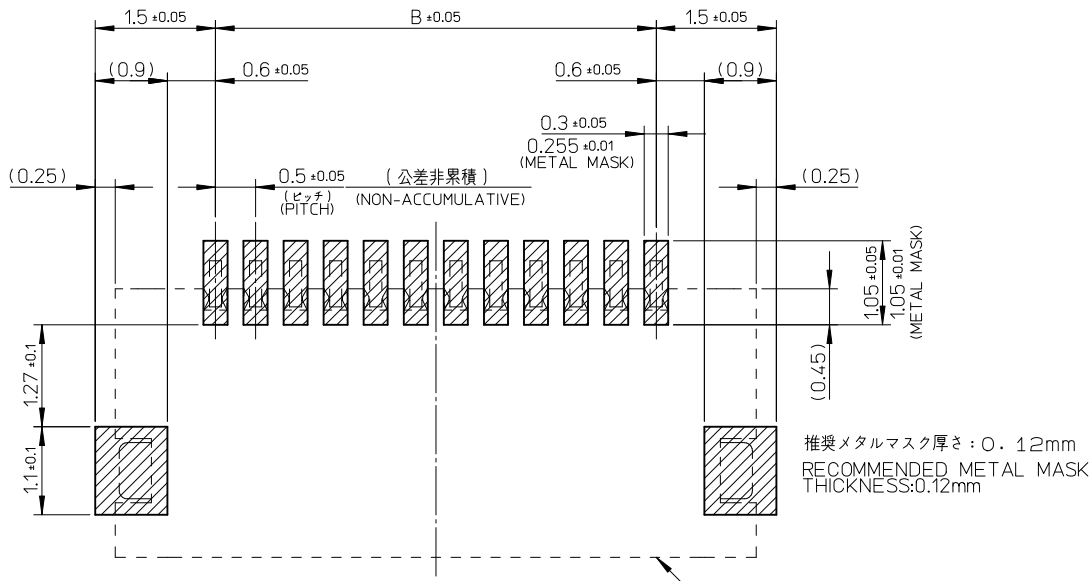
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[502078Series](#)



23	22	24.5	502118-4591	45
C	B	A	EMBOSSED PACKAGING オーダー番号 ORDER NO.	極数 CIRCUITS
CONNECTOR SERIES NO. : 502118-**-21				

RELEASED EC NO: J2010-1059 DRWN:HON001 2009/11/19 CHKD:SHIMOYAMA 2009/11/19 APPR:KNORIKAWA 2009/11/19	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE —//—	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY HONO	DATE 2008/11/19	TITLE 0.5 FPC CONN BACK FLIP H=0.9 UPR/BTM CONT				
		10 OVER 30 UNDER	± 0.25	CHECKED BY HSHIMOYAMA	DATE 2008/11/19					
		30 OVER	± 0.3	APPROVED BY HHIRATA	DATE 2008/11/19	molex MOLEX INCORPORATED				
		ANGULAR ±1 °	MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
	0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-502118-003		1 OF 2		
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



注 記 NOTE

1. 使用材料 MATERIAL

- ハウジング HOUSING : 液晶ポリマー, 色: 白
ガラス充填, UL94V-0
LIQUID CRYSTAL POLYMER, COLOR: WHITE
GLASS FILLED, UL94V-0
- アクチュエータ ACTUATOR : ポリアミド樹脂, 色: 黒
ガラス充填, UL94V-0
POLYAMIDE, COLOR: BLACK
GLASS FILLED, UL94V-0
- ターミナル TERMINAL : りん青銅 (t=0.15)
PHOSPHOR BRONZE (t=0.15)
- 補強金具 FITTING NAIL : りん青銅 (t=0.15)
PHOSPHOR BRONZE (t=0.15)

3. 端子、補強金具の平坦度は0.1以下とする。
SOLDER TAILS AND FITTING NAILS
COPLANALITY TO BE 0.1 MAXIMUM.

- △ R0.3はFPC導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED
TO PATTERN OF FPC.

5. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT.

6. 基板実装前にアクチュエータを操作しないで下さい。
必ず基板に実装し、FPCを挿入してからアクチュエータを操作して下さい。
PLEASE DO NOT OPERATE THE ACTUATOR
BEFORE MOUNTING.
PLEASE OPERATE THE ACTUATOR AFTER MOUNTING ON
THE SUBSTRATE, AND MATING FPC.

FPCについて
ABOUT FPC

抜き方向は、導体側から補強板を推奨します。
補強板材質は、ポリイミドを推奨します。
接着剤は熱硬化接着剤を推奨します。
なお、接着剤の接点部への付着は導通不良の
原因となりますので染み出しの無いよう、お願いします。

RECOMMENDED PUNCHER DIRECTION :
FROM CONDUCTOR SIDE TO STIFFENER BORAD SIDE.

RECOMMENDED MATERIAL :
STIFFENER BOARD : POLYIMIDE
BONDING AGENT : THERMOSETTING AGENT
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND
BECAUSE THERE IS A POSSIBILITY
THAT THE EXTRA ADHESIVE CAUSES THE DEFECT
IN ELECTRICAL CONTINUITY.

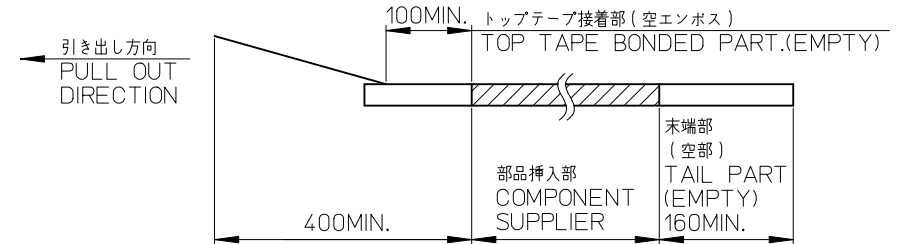
2. めっき仕様 PLATING

- ターミナル TERMINAL : コンタクト部: 金めっき (0.1 µm 以上)
テール部: 金めっき
下地: ニッケルめっき (1.0 µm 以上)
CONTACT AREA: GOLD PLATING (0.1 µm MINIMUM)
SOLDER TAIL AREA: GOLD PLATING
UNDER PLATE: NICKEL PLATING (1.0 µm MINIMUM)
- 補強金具 FITTING NAIL : 仕上: 錫めっき (1.0 µm 以上)
下地: ニッケルめっき (1.0 µm 以上)
PALTE: TIN PLATING (1.0 µm MINIMUM)
UNDER PLATE: NICKEL PLATING (1.0 µm MINIMUM)

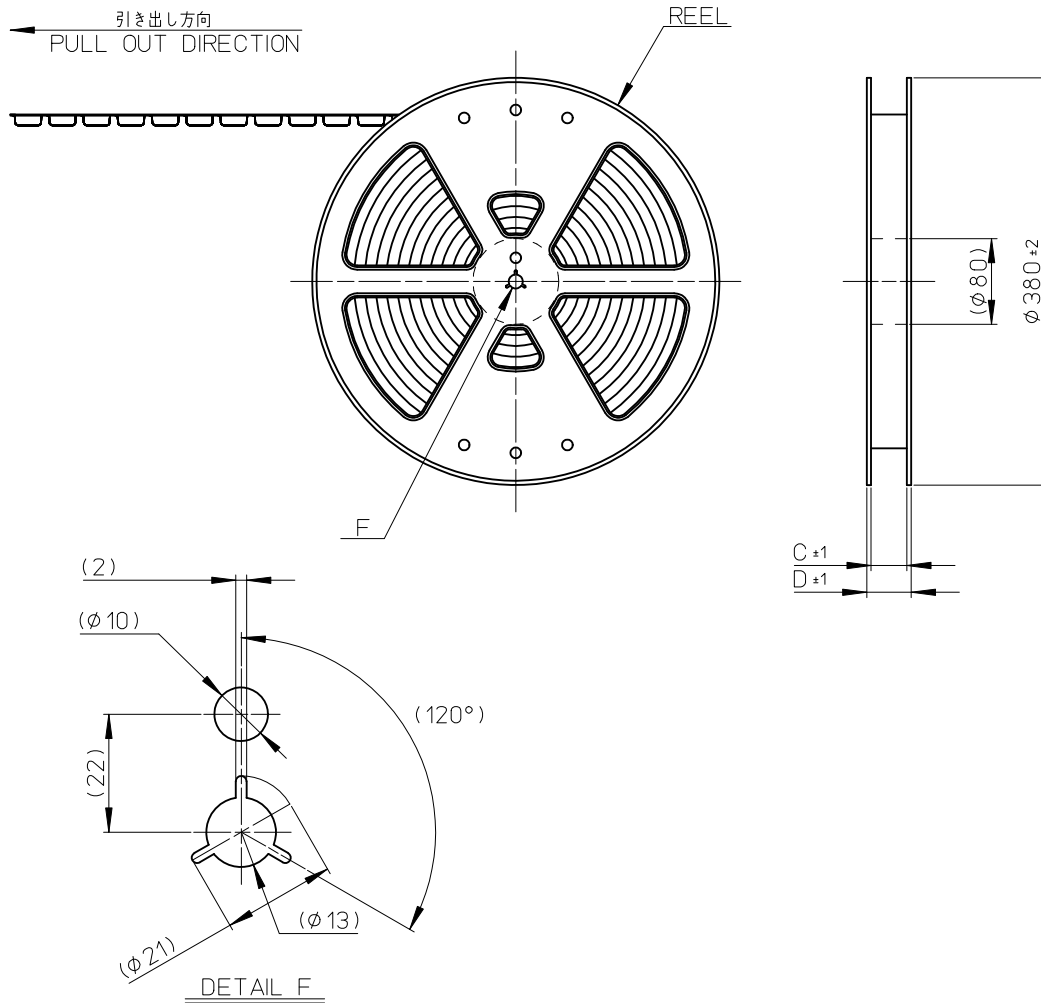
RELEASED EC NO: J2010-1059 DRW: HON001 CHKD: HSHIMOYAMA APPR: KMORI KAWA	2009/11/19 2009/11/19 2009/11/19	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE —/—	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

NOTES

- 1.製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
2.梱包数量:2500個/リール
NUMBER OF CONNECTORS 2500PCS/REEL
3.リードテープ長さ
LEAD TAPE LENGTH



- 4.材料
MATERIAL
キャリアテープ(CARRIRE 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 CONTAILED>
5.ELV及びRoHS適合品
ELV AND RoHS COMPLIANT.



RELEASED EC NO: J2010-1059 DRWN:HON001 CHKD:SHIMOYAMA APPR:KNORIKAWA	DESCRIPTION 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				DRAWN BY HONO		DATE 2008/11/19	TITLE 0.5 FPC CONN BACK FLIP H=0.9 UPR/BTM CONT EMBSTP PKG				
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		10 OVER 30 UNDER		± ---	APPROVED BY HHIRATA		DATE 2008/11/19	MOLEX INCORPORATED			
		30 OVER		± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-502118-004				
	ANGULAR		± --- °								
	REV 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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

F

E

D

C

B

A

F

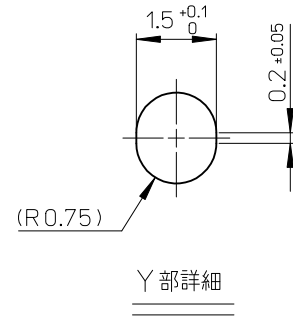
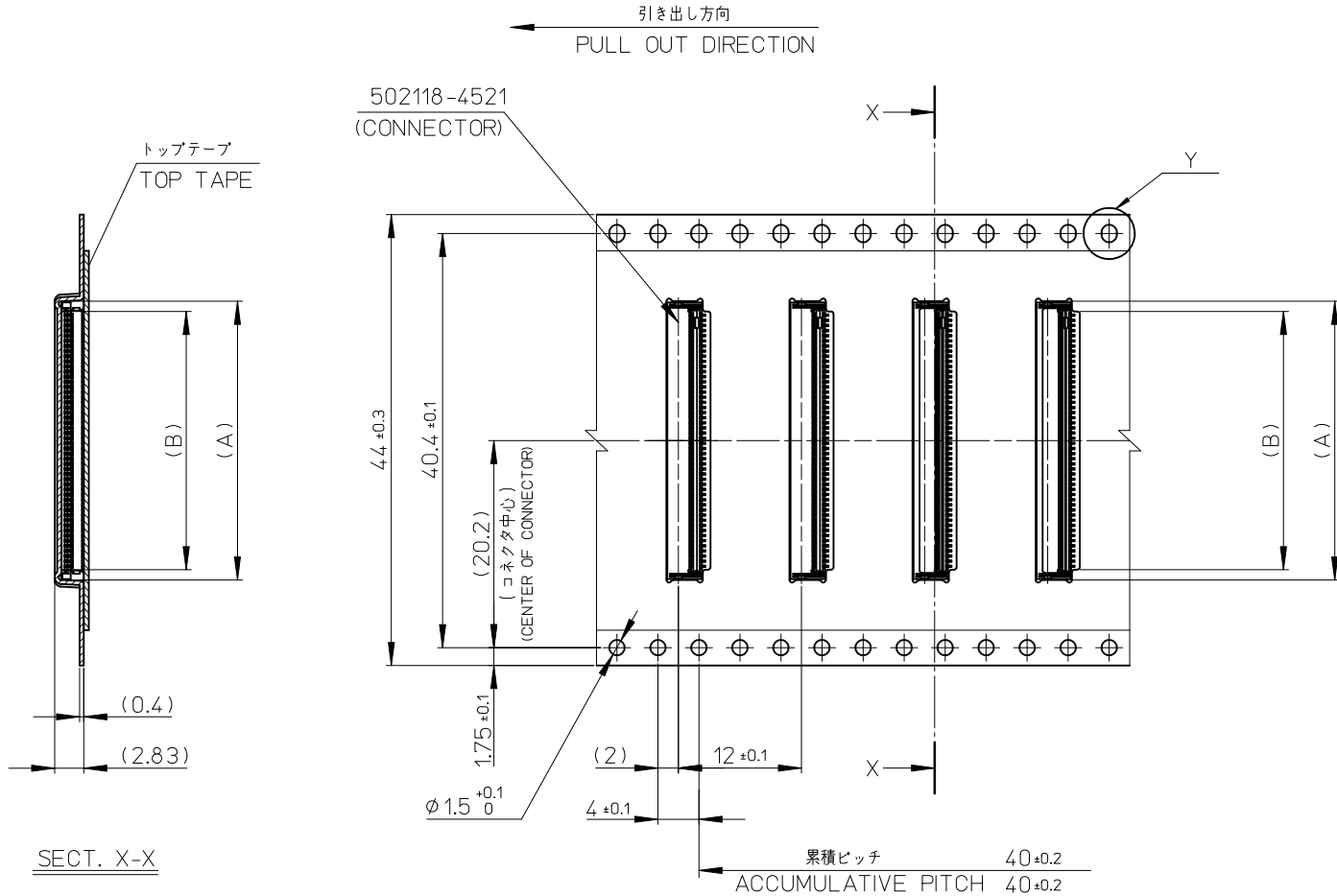
E

D

C

B

A



44	49.4	45.4	22.7	24.7	502118-4591	45
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	(B)	(A)	製品番号 MATERIAL NO.	極数 CIRCUITS

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