

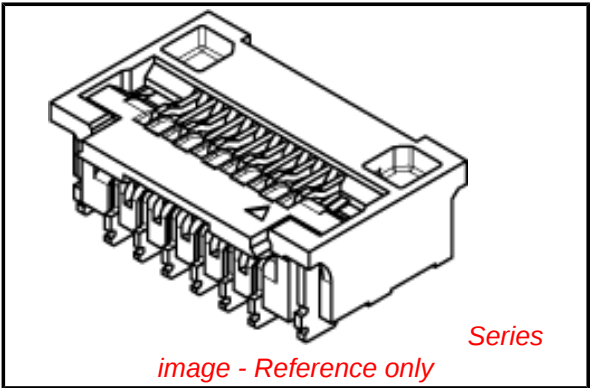
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5033204160](#)
Status: **Active**
Description: 0.25mm (.010") Pitch Easy-On™ Type FPC Connector, 1.65mm (.065") Mated Height, Right Angle, SMT, Bottom Contact Style, 41 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-503320-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	FFC/FPC Connectors
Series	503320
Product Name	Easy-On™
Physical	
Circuits (Loaded)	41
Contact Position	Bottom
Durability (mating cycles max)	10
Entry Angle	90° Angle
Mated Height (in)	0.065 In
Mated Height (mm)	1.65 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	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	-40°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FPC only

Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	50V
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-503320-001, RPS-503320-001
Sales Drawing	SD-503320-001, SD-503320-002



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

China RoHS



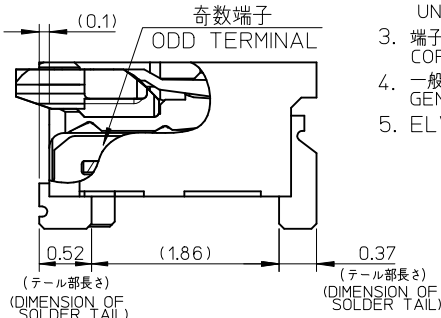
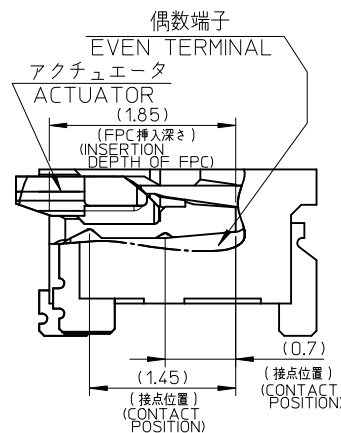
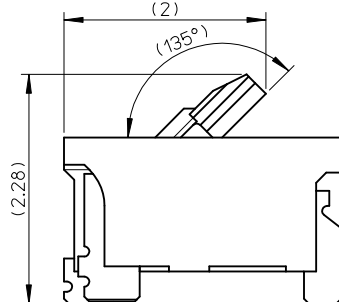
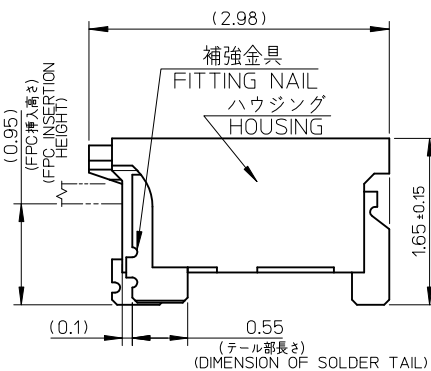
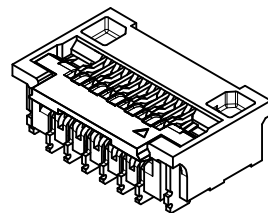
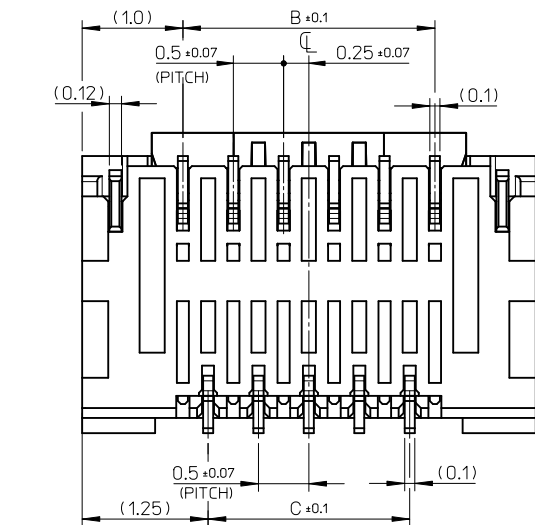
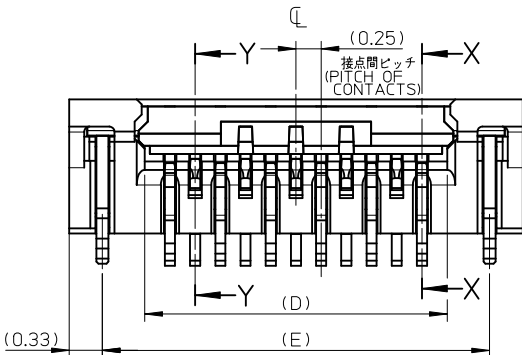
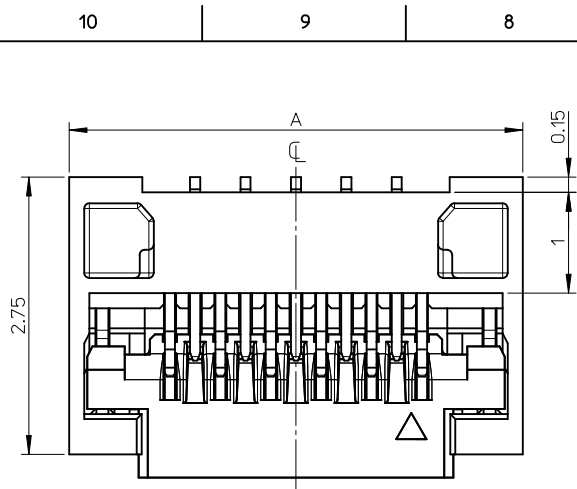
Need more information on product environmental compliance?

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
[503320Series](#)

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



アクチュエータ開放位置
ACTUATOR OPENING POSITION

注記 NOTES

1. 使用材料 MATERIALS

- ハウジング : 液晶ポリマー(ガラス充填, UL94V-0, ベージュ)
アクチュエータ : ポリアミド(ガラス充填, UL94V-0, 黒色)
奇数端子 : 銅合金
偶数端子 : 銅合金
補強金具 : 銅合金
HOUSING : LIQUID CRYSTAL POLYMER (GLASS FILLED, BEIGE)
ACTUATOR : POLYAMIDE (GLASS FILLED, BLACK)
ODD TERMINAL : COPPER ALLOY
EVEN TERMINAL : COPPER ALLOY
FITTING NAIL : COPPER ALLOY

2. メッキ仕様 PLATING

端子 TERMINAL

- テール部 : 部分金メッキ
接点部 : 部分金メッキ 0.1μm MIN.
下地 : ニッケルメッキ 1.0μm MIN.
TAIL AREA : SEPARATED GOLD PLATING
CONTACT AREA : SEPARATED GOLD PLATING 0.1μm MIN.
UNDER PLATING : NICKEL PLATING 1.0μm MIN.

金具 FITTING NAIL

- テール部 : スズメッキ 0.5μm MIN.
下地 : ニッケルメッキ 1.0μm MIN.
TAIL AREA : TIN PLATING 0.5μm MIN.
UNDER PLATING : NICKEL PLATING 1.0μm MIN.

3. 端子、補強金具のコプラナリティーは 0.1 以下とする
COPLANARITY OF SOLDER TAILS AND FITTING NAILS : 0.1MAX.

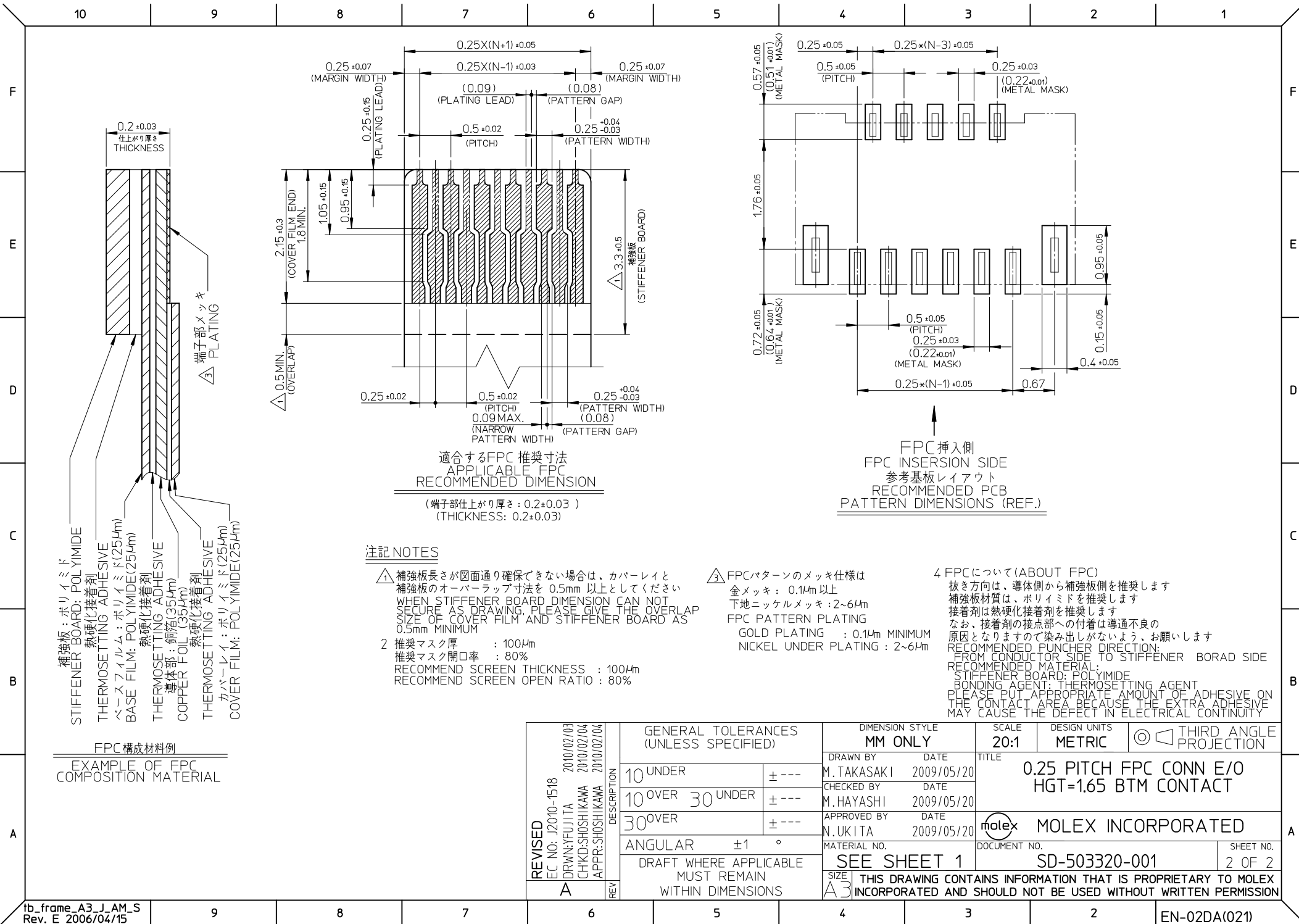
4. 一般公差 : ±0.3
GENERAL TOLERANCES : ±0.3

5. ELV & RoHS COMPLIANT.

11.34	10.5	9.5	10.0	12.0	503320-4160	41
10.34	9.5	8.5	9.0	11.0	503320-3760	37
7.34	6.5	5.5	6.0	8.0	503320-2560	25
E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	極数 CIRCUITS

CONNECTOR SERIES NO. 503320-**68

REVISED EC NO: J2010-1518 DRWN:YFUJITA CHKD:SHOSHIKAWA APPR:SHOSHIKAWA 2010/02/03 2010/02/04 2010/02/04	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 20:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY M.TAKASAKI	DATE 2009/05/20	TITLE 0.25 PITCH FPC CONN E/O HGT=1.65 BTM CONTACT	MOLEX INCORPORATED	DOCUMENT NO. SD-503320-001	SHEET NO. 1 OF 2
		10 OVER 30 UNDER	± ---	CHECKED BY M.HAYASHI	DATE 2009/05/20				
		30 OVER	± ---	APPROVED BY N.UKITA	DATE 2009/05/20				
		ANGULAR ±1 °		MATERIAL NO. SEE CHART					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3						
A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

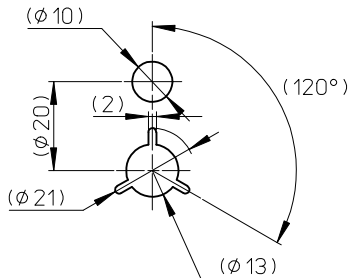
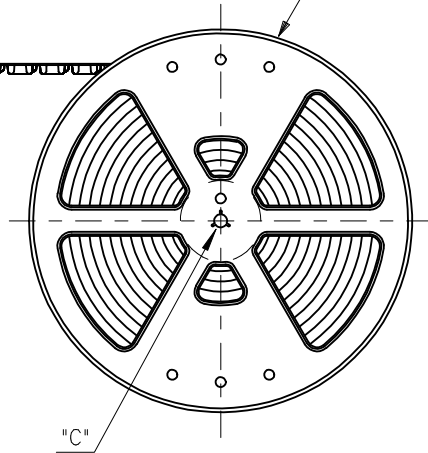


注記 NOTES

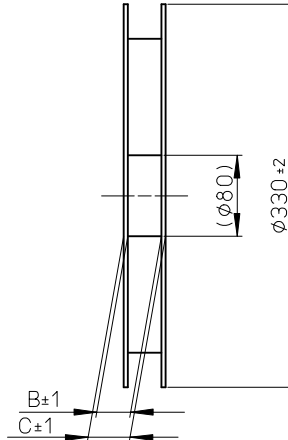
- 製品詳細寸法については図面 SD-503320-001 を参照下さい。
RE DETAILED DIMENSION, SEE SD-503320-001
- 梱包数量 : 3000 個/リール
NUMBER OF CONNECTORS : 3000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH

引き出し方向
PULL OUT
DIRECTION

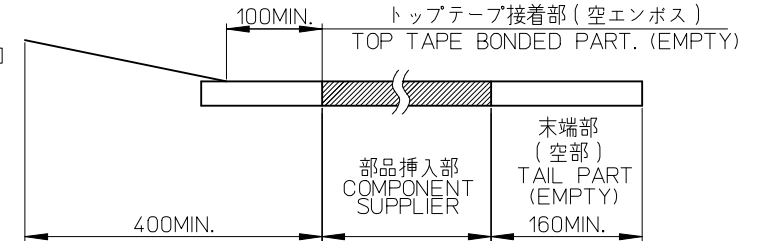
REEL



DETAIL "C"

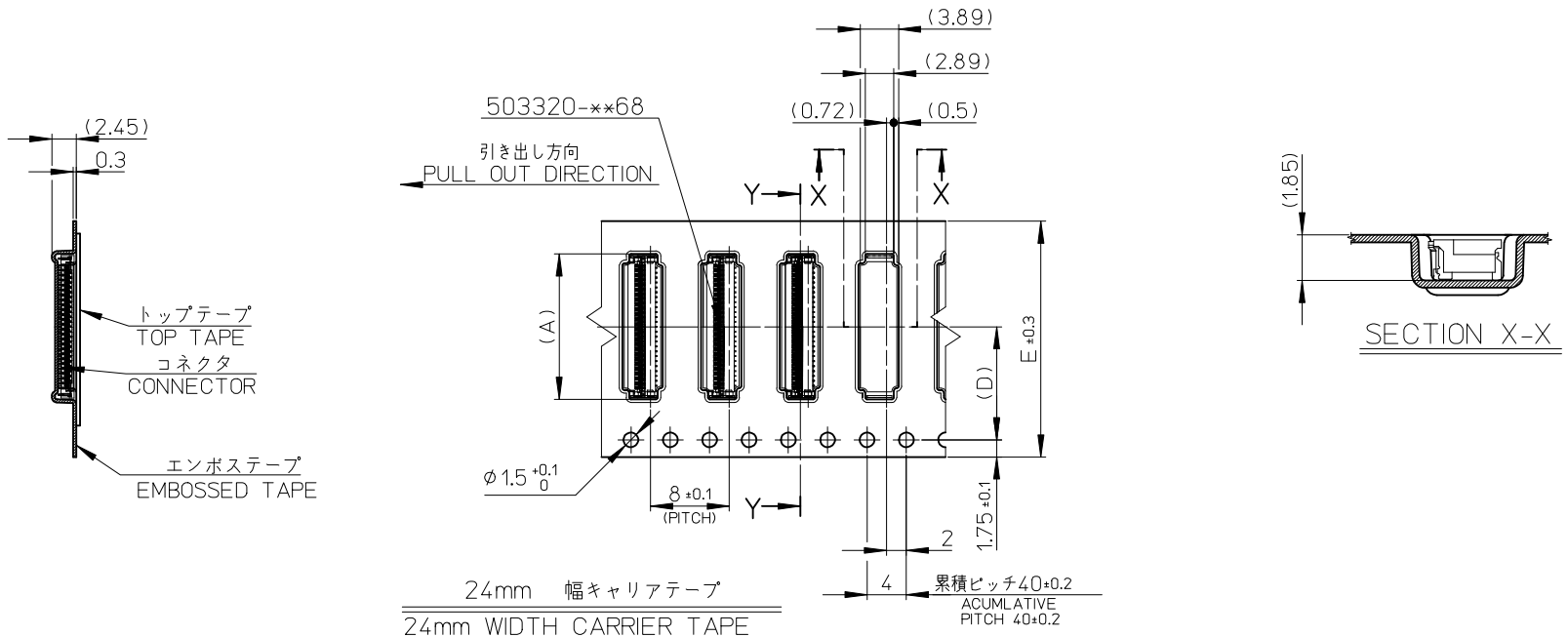


引き出し方向
PULL OUT
DIRECTION



- 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 & RoHS COMPLIANT

RELEASED EC NO.: J2010-0413 DRWN: CARIZONO 2009/09/15 CH'KD: T. HARUYAMA 2009/09/15 APPR: NUKITA 2009/09/15 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± ---	DRAWN BY C. ARIZONO	DATE 2009/05/20	TITLE 0.25MM PITCH FPC CONN HGT=1.65 HSG ASSY EMBOSSED TAPE PACKAGE			
		10 OVER 30 UNDER	± ---	CHECKED BY T. HARUYAMA	DATE 2009/05/20				
		30 OVER	± ---	APPROVED BY N. UKITA	DATE 2009/05/20	 MOLEX INCORPORATED			
		ANGULAR ± --- °		MATERIAL NO. SEE CHART					
		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					



24	11.5	29.4	25.4	12.3	503320-4160	41	
				11.3	503320-3760	37	
				8.3	503320-2560	25	
E キャリアテープ幅 CARRIER TAPE WIDTH	(D)	C	B	(A)	EMBOSSSED PACKAGE	極数	
					オーダー番号	ORDER NO.	CKT.
					MATERIAL NO. 503320-**-60		

RELEASED EC NO: J2010-0413 DRWN: CARIZONO 2009/09/15 CHKD: T. HARUYAMA 2009/09/15 APPR: NUKITA 2009/09/15 REV: 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY C. ARIZONO	DATE 2009/05/20	TITLE 0.25MM PITCH FPC CONN HGT=1.65 HSG ASSY EMBOSSED TAPE PACKAGE				
		10 OVER 30 UNDER	± ---	CHECKED BY T. HARUYAMA	DATE 2009/05/20					
		30 OVER	± ---	APPROVED BY N. UKITA	DATE 2009/05/20	MOLEX INCORPORATED				
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503320-002		2 OF 2			
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					