

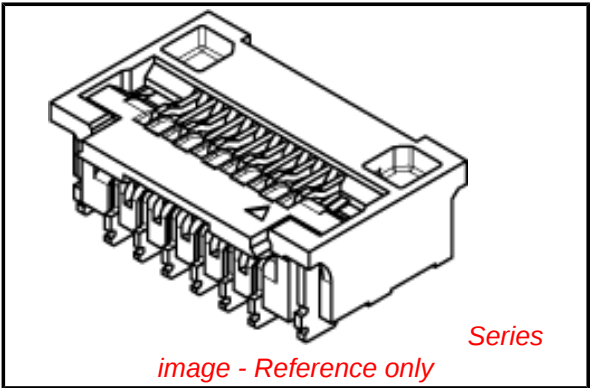
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Part Number: [5033203760](#)
Status: **Active**
Description: 0.25mm (.010") Pitch Easy-On™ Type FPC Connector, 1.65mm (.065") Mated Height, Right Angle, SMT, Bottom Contact Style, 37 Circuits

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)	37
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
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

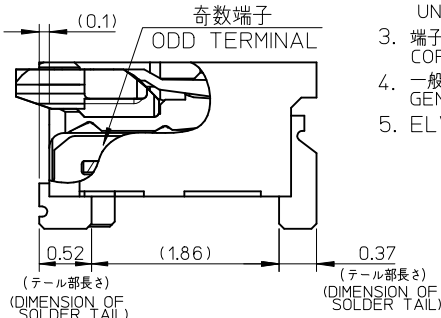
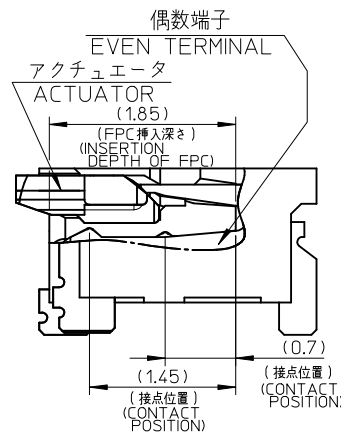
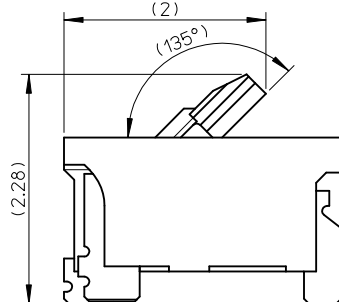
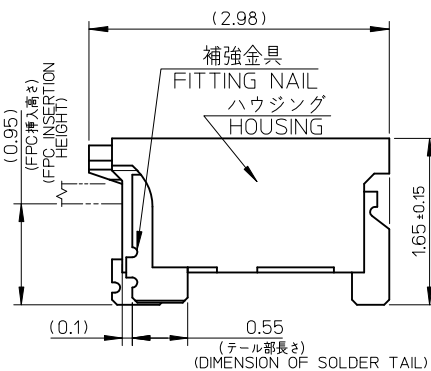
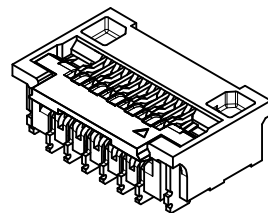
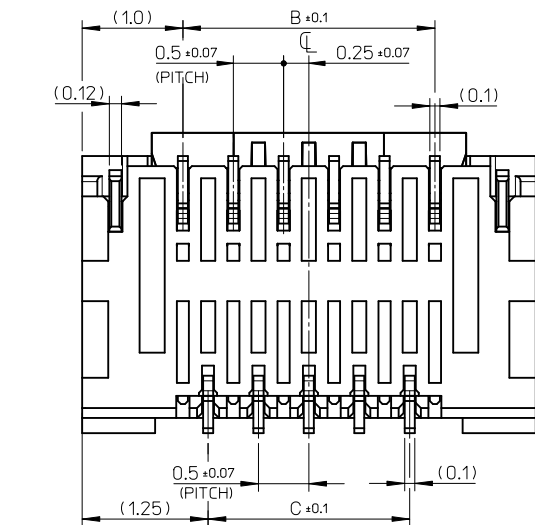
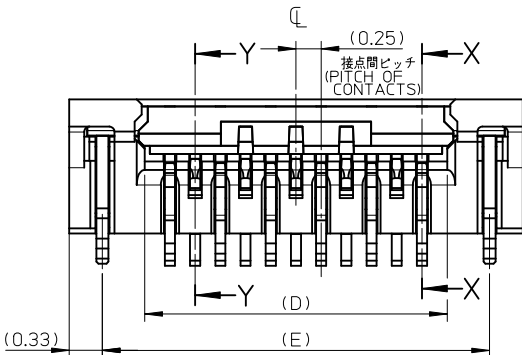
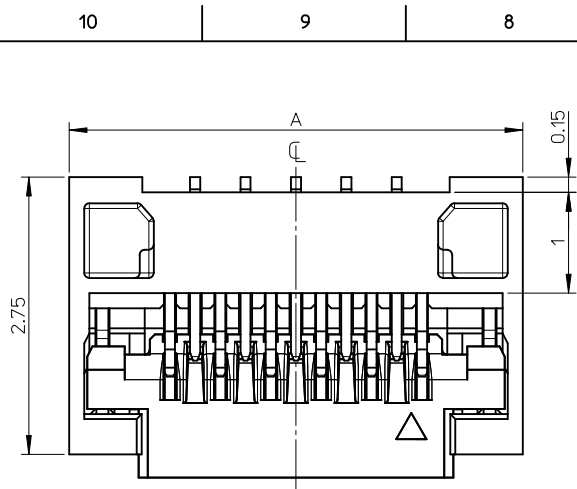
China RoHS



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](#)

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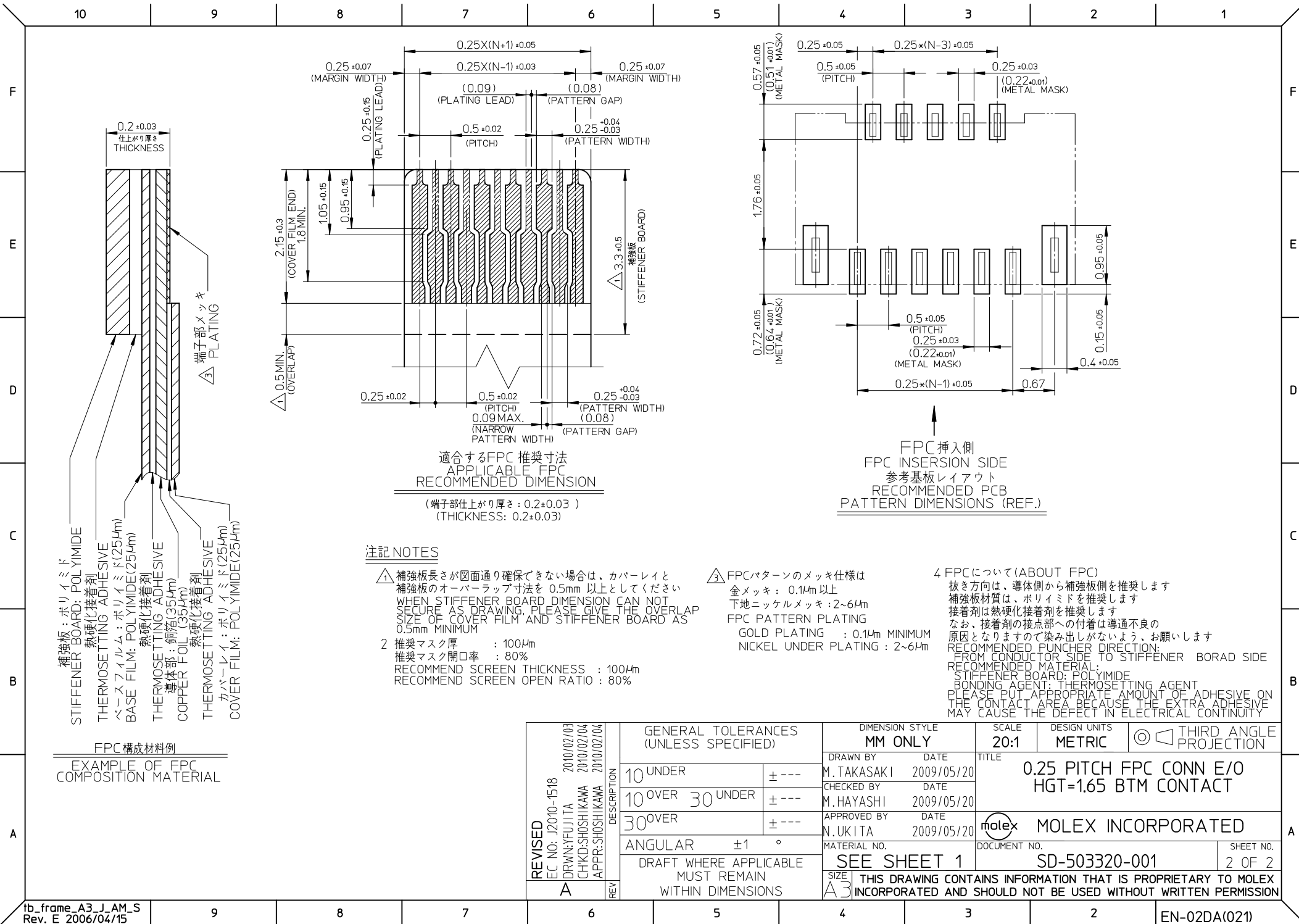
アクチュエータ開放位置
ACTUATOR OPENING POSITION

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						

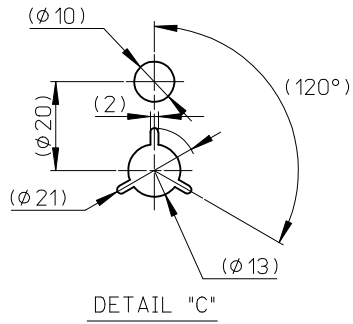
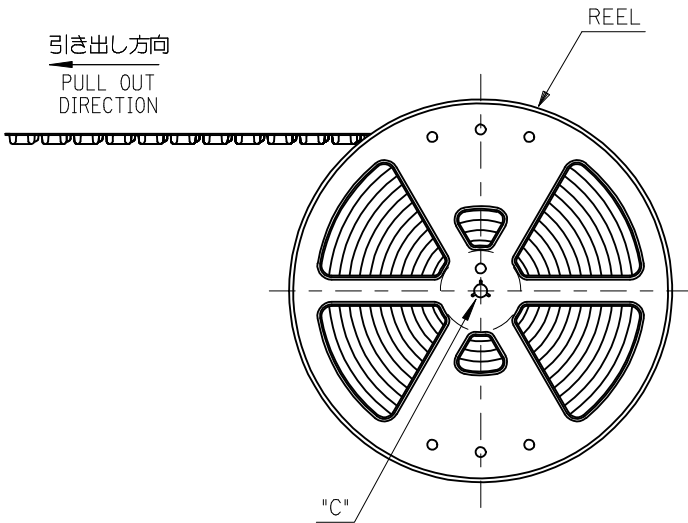
REVISED		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: J2010-1518		10 UNDER		MM ONLY		20:1		METRIC		THIRD ANGLE PROJECTION	
DRWN: YFUJITA		10 OVER 30 UNDER		DRAWN BY DATE		M. TAKASAKI 2009/05/20		TITLE		0.25 PITCH FPC CONN E/O HGT=1.65 BTM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



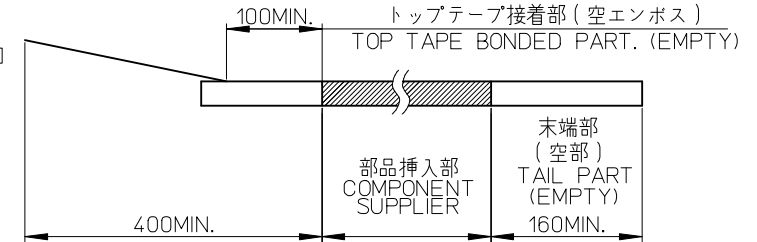
注記 NOTES

- 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

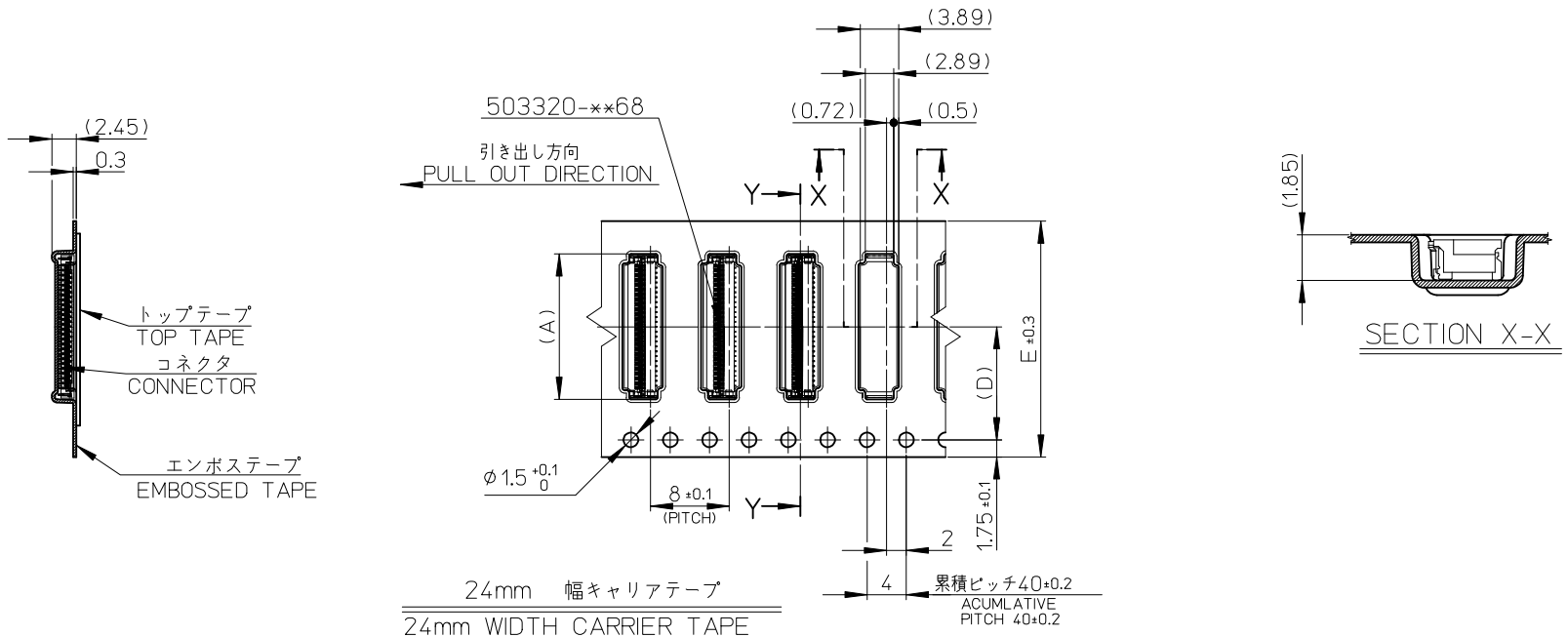


引き出し方向
PULL OUT
DIRECTION



- 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 CHK'D: T. HARUYAMA APPR: NUKITA 2009/09/15 2009/09/15 2009/09/15	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± ---	C. ARIZONO	2009/05/20	TITLE 0.25MM PITCH FPC CONN HGT=1.65 HSG ASSY EMBOSSED TAPE PACKAGE			
		10 OVER 30 UNDER	± ---	T. HARUYAMA	2009/05/20				
		30 OVER	± ---	APPROVED BY N. UKITA	2009/05/20	MOLEX MOLEX INCORPORATED			
		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-503320-002		1 OF 2	
				SIZE A3		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)	EMBOSSED 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					
		ANGULAR ± --- °		MATERIAL NO.			DOCUMENT NO. SD-503320-002			SHEET NO. 2 OF 2
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART							
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					