

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5022441530](#)
Status: **Active**
Description: 0.50mm (.020") Pitch Easy-On™ Type FFC/FPC Connector, For LVDS, 2.33mm (.092") Height, Right Angle, SMT, ZIF, Bottom Contact Style, 15 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-502244-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	FFC/FPC Connectors
Series	502244
Product Name	Easy-On™
Physical	
Circuits (Loaded)	15
Color - Resin	Black, Natural
Contact Position	Bottom
Durability (mating cycles max)	20
Entry Angle	90° Angle
Mated Height (in)	0.092 In
Mated Height (mm)	2.33 mm
Material - Metal	Phosphor Bronze
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)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FFC only

Electrical	
Current - Maximum per Contact	0.4A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-502244-001, RPS-502244-001, RPS-502244-002, RPS-502244-003
Sales Drawing	SD-502244-001, SD-502244-002

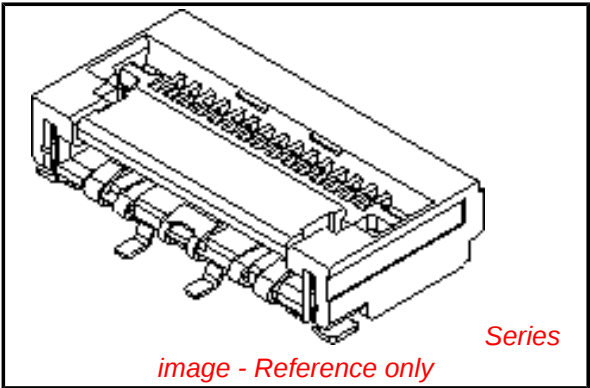


image - Reference only

Series

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

China RoHS



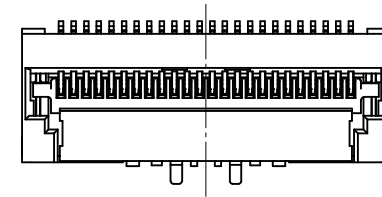
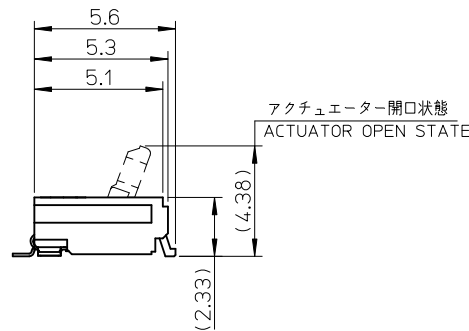
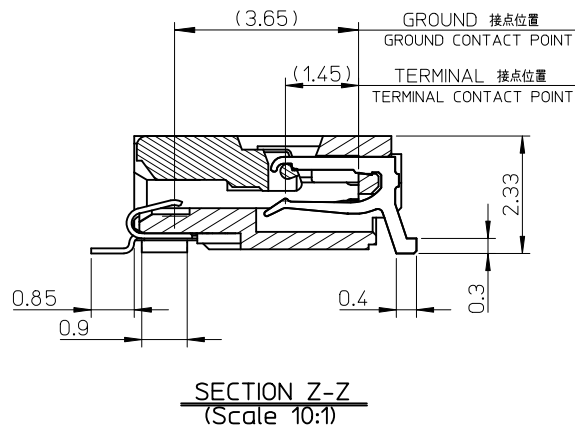
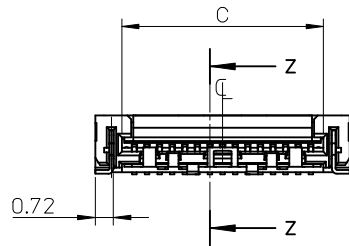
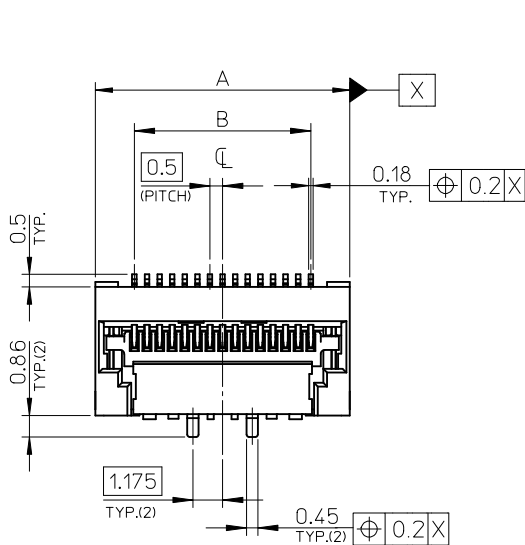
Need more information on product environmental compliance?

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

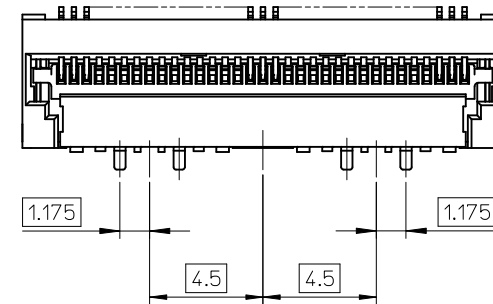
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[502244Series](#)

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24極品形状



33極品形状

17	16	19.1	502244-3330	33
12.5	11.5	14.6	502244-2430	24
8	7	10.1	502244-1530	15
C	B	A	EMBOSSED TAPE	CIRCUIT
			ORDER No.	
CONNECTOR SERIES No.502244-**39				

REVISED EC NO. J2010-1947 DRWN: NISHI CHKD: MATSUURA APPR: KIMORI KAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY THANYU	DATE '06/03/10	TITLE 0.5 FFC CONN. FOR LVDS HOUSING ASSY (BOTTOM CONTACT)				
		10 OVER 30 UNDER	± 0.25	CHECKED BY SMARUYAMA	DATE '06/03/10					
		30 OVER	± 0.3	APPROVED BY SICHIKAWA	DATE '06/03/10					
		ANGULAR ± 3 °		MATERIAL NO.		MOLEX INCORPORATED		SHEET NO. 1 OF 3		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502244-001					
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

注記 NOTES

1.使用材料 MATERIAL

ハウジング:液晶ポリマー (LCP), ガラス充填, UL94V-0, ナチュラル (白)
HOUSING: LIQUID CRYSTAL POLYMER (LCP),
GLASS FILLED, UL94V-0, NATURAL (WHITE)

アクチュエーター ACTUATOR

(15, 33極): ポリアミド (PA), ガラス充填, UL94V-0, 黒
(24極): ポリフェニレンスルファイド (PPS), ガラス充填, UL94V-0, 黒
(15, 33CKT): POLYAMIDE (PA), GLASS FILLED, UL94V-0, BLACK
(24CKT): POLYPHENYLENESULFIDE (PPS), GLASS FILLED,
UL94V-0, BLACK

ターミナル: 焼青銅

TERMINAL: PHOSPHOR BRONZE

ネイル: 焼青銅

NAIL: PHOSPHOR BRONZE

グラウンド: 焼青銅

GROUND: PHOSPHOR BRONZE

2.メッキ仕様

PLATING SPECIFICATION

ターミナルコンタクト部: 部分金メッキ (0.1μm以上)

TERMINAL CONTACT: SEPARATED GOLD PLATING (0.1μmMIN.)

ターミナルテール部: 部分金メッキ (0.05μm以上)

TERMINAL TAIL: SEPARATED GOLD PLATING (0.05μmMIN.)

ターミナル下地: ニッケルメッキ (1.0μm以上)

TERMINAL UNDERPLATE: NICKEL PLATING (1.0μmMIN.)

ネイル: 銅メッキ (1.0μm以上)

NAIL: TIN PLATING (1.0μmMIN.)

ネイル下地: ニッケルメッキ (1.0μm以上)

NAIL UNDERPLATE: NICKEL PLATING (1.0μmMIN.)

グラウンド: 銅メッキ (1.0μm以上)

GROUND: TIN PLATING (1.0μmMIN.)

グラウンド下地: ニッケルメッキ (1.0μm以上)

GROUND UNDERPLATE: NICKEL PLATING (1.0μmMIN.)

3.エンボステープ梱包時は、アクチュエーターが閉じた状態とする。

IN THE PACKAGE, ACTUATOR SHOULD BE CLOSED.

△使用するFFCはターミナル用パターン導体部とグラウンドターミナル用パターン導体部が重ならないこと。

FFC IS NOT OVER LAP PATTERN OF TERMINAL

AND GROUND TERMINAL.

5.FFCの挿入はアクチュエーターが完全に開いた状態でを行い、挿入口より真っ直ぐ

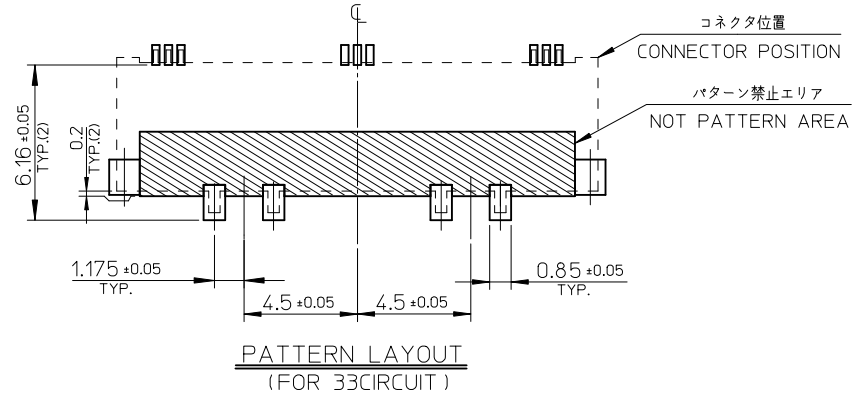
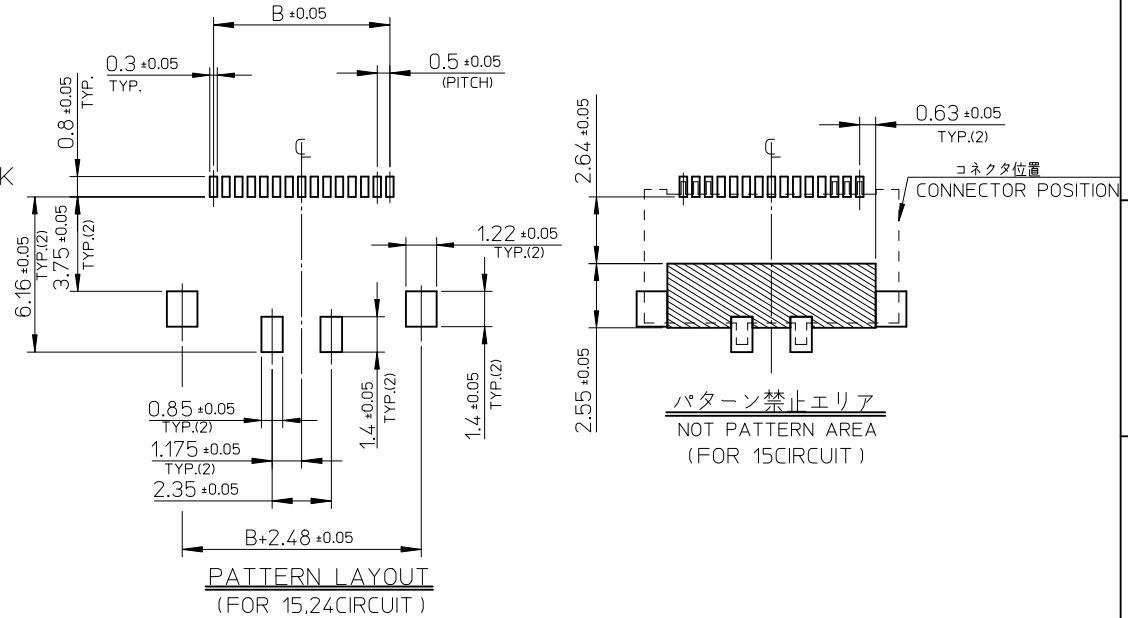
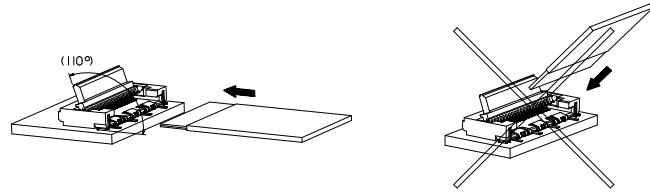
ハウジングに突き当たるまで挿入してください。

DO WITH THE ACTUATOR OPENED COMPLETELY

AND INSERT IT IN THE INTERIOR OF THE INSERTION

ENTRANCE SURELY WHEN YOU INSERT FFC.

6.ELV AND RoSH COMPLIANT.



REVISED		DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO.	J2010-1947	DRWN	NIISHI	2010/03/18		DRAWN BY	DATE	TITLE			
CH'KD	WATSUURA	2010/03/18				CHECKED BY	DATE				
APPR	KMORIKAWA	2010/03/29				APPROVED BY	DATE				
REV						SICHIKAWA	'06/03/10				
						MATERIAL NO.					
						SEE SHEET 1					
						SIZE					
						A3					
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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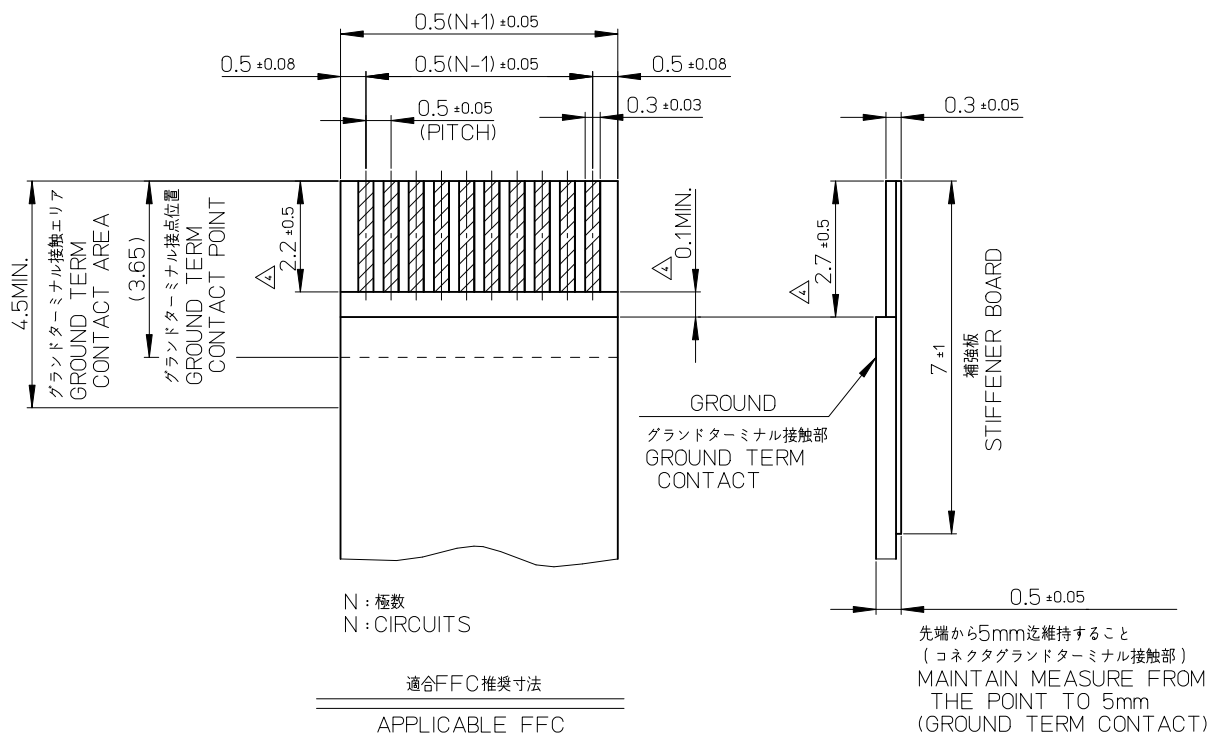
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FFCについて:

抜き方向は導体側から補強板側を推奨致します。

導体部については、軟銅箔: 35マイクロメートル又は50マイクロメートル

金めっきを推奨致します。

ABOUT FFC:

RECOMMENDED PUNCHER DIRECTION:

FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE

RECOMMENDED CONDUCTOR SPEC:

THICKNESS OF SOFT COPPER: 35 MICROMETER OR 50 MICROMETER

GOLD PLATING

REVISED	EC NO. J2010-1947	2010/03/18	DRWN: NISHI	2010/03/18	CHKD: MATSUURA	2010/03/29	APPR: KMORI KAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
									10 UNDER	± 0.2	DRAWN BY THANYU	DATE '06/03/10	TITLE 0.5 FFC CONN. FOR LVDS HOUSING ASSY (BOTTOM CONTACT)		
									10 OVER 30 UNDER	± 0.25	CHECKED BY SMARUYAMA	DATE '06/03/10			
									30 OVER	± 0.3	APPROVED BY SICHIKAWA	DATE '06/03/10			
									ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-502244-001		3 OF 3
								REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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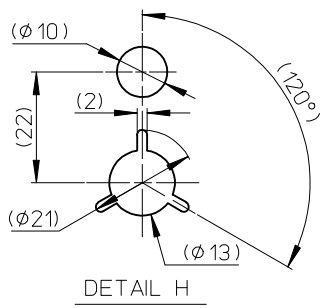
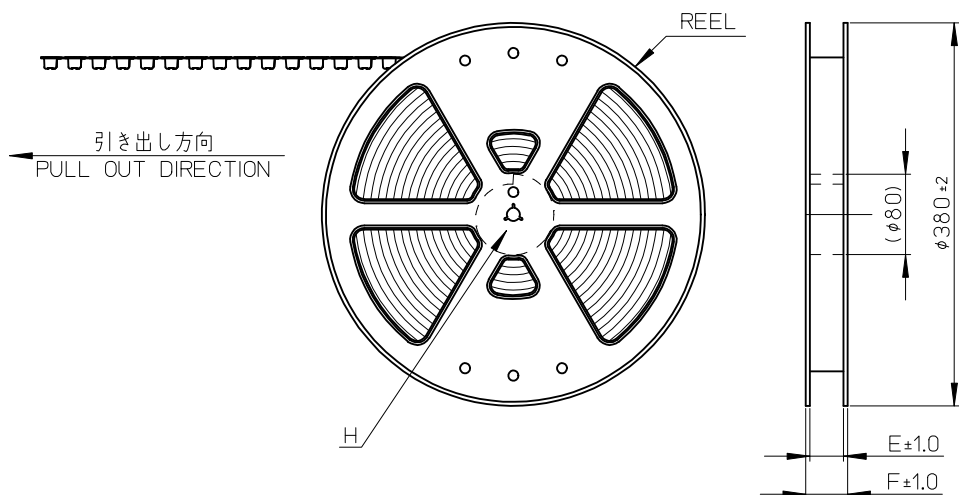
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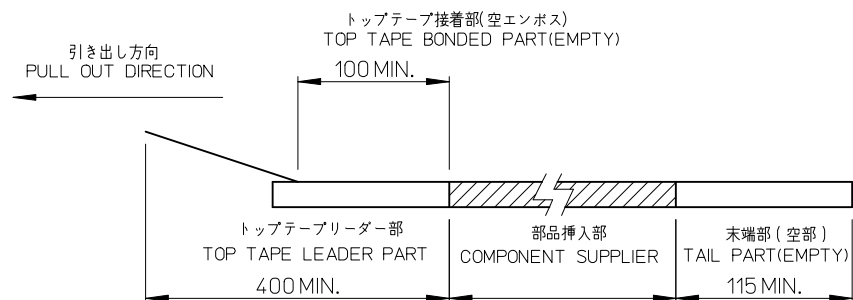
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NOTES

- 製品詳細寸法につきましては、製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS.
PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 梱包数量: 2500個/リール
NUMBER OF CONNECTORS : 2500PCS/REEL
- リードテープの長さ
LEAD TAPE LENGTH



- 材料
MATERIAL
キャリアテープ : ポリスチレン (PS)
CARRIER TAPE : POLYSTYRENE (PS)
トップテープ : PET, OTHER
TOP TAPE : PET, OTHER
リール : ポリスチレン (リサイクル材を含む)
REEL : POLYSTYRENE (RECYCLE MATERIAL CONTAINED)

5.ELV AND RoHS COMPLIANT

REVISED EC NO: J2009-1513 DRWN:MTAKASAKI CHKD:MIYASHI APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY NNISHI	DATE '06/5/22	TITLE 0.5 FFC CONN.FOR LVDS HOUSING ASSY EMBSTP PKG				
		10 OVER 30 UNDER	± 0.25	CHECKED BY SMARUYAMA	DATE '06/5/22					
		30 OVER	± 0.3	APPROVED BY SICHIKAWA	DATE '06/5/22	MOLEX INCORPORATED				
		ANGULAR ±1 °		MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-502244-002			SHEET NO. 1 OF 3	
		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						
	REV									

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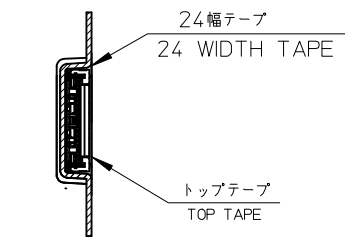
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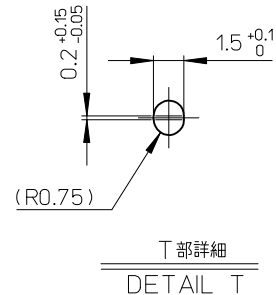
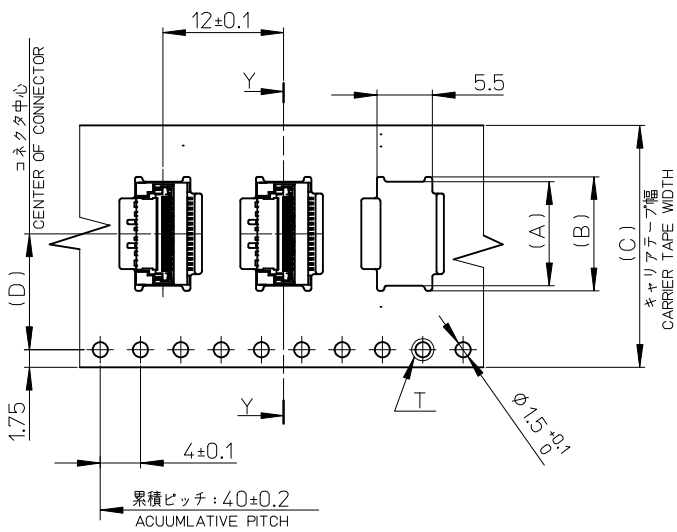
B

A

引き出し方向
PULL OUT DIRECTION



断面Y-Y
SECTION Y-Y



29.4	25.4	11.5	24	15.8	14.8	502244-2439	502244-2430	24
				11.3	10.3	502244-1539	502244-1530	15
F	E	(D)	(C)	(B)	(A)	製品単体 CONNECTOR	製品番号 MATERIAL NO.	極数 CIRCUITS

REVISED EC NO: J2009-1513 DRWN:MTAKASAKI CHKD:MHAYASHI APPR:NUKITA REV	DESCRIPTION 2008/12/11 2008/12/12 2008/12/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY NNISHI	DATE '06/5/22	TITLE 0.5 FFC CONN.FOR LVDS HOUSING ASSY EMBSTP PKG				
		10 OVER 30 UNDER	±0.25	CHECKED BY SMARUYAMA	DATE '06/5/22					
		30 OVER	±0.3	APPROVED BY SICHIKAWA	DATE '06/5/22	MOLEX MOLEX INCORPORATED				
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502244-002				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

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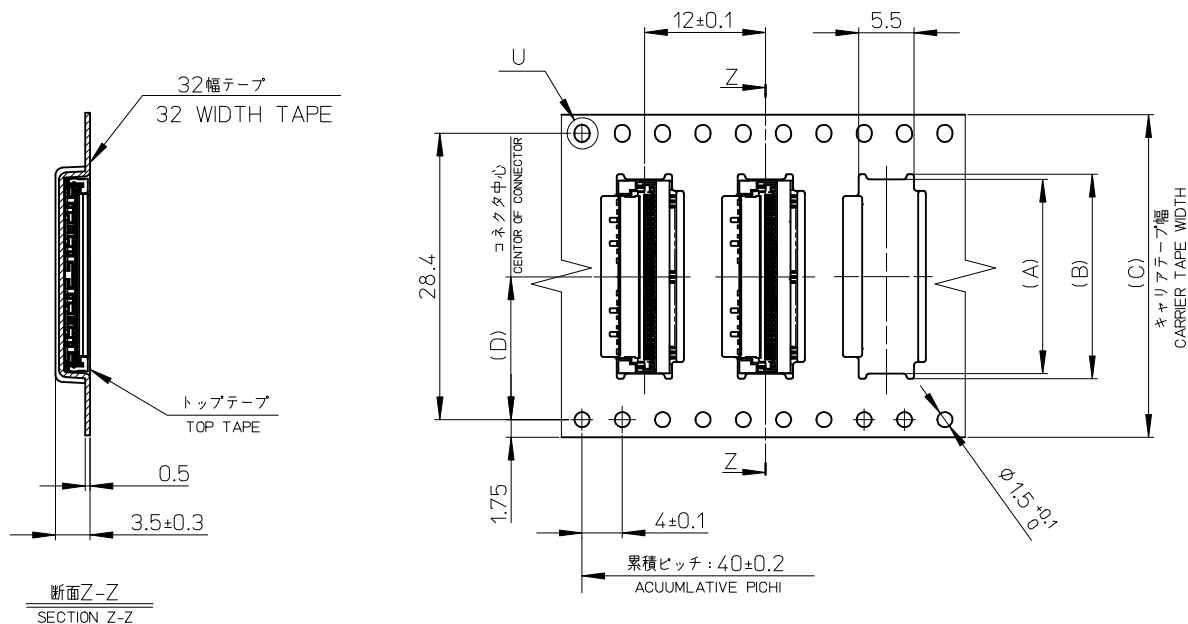
D

C

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A

引き出し方向
PULL OUT DIRECTION



37.4	33.4	14.15	32	20.3	19.3	502244-3339	502244-3330	33
F	E	(D)	(C)	(B)	(A)	製品単体 CONNECTOR	製品番号 MATERIAL NO.	極数 CIRCUITS

REVISED EC NO: J2009-1513 DRWN:MTAKASAKI CHKD:MHAYASHI APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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		10 OVER 30 UNDER	±0.25	CHECKED BY SMARUYAMA	DATE '06/5/22					
		30 OVER	±0.3	APPROVED BY SICHIKAWA	DATE '06/5/22	MOLEX INCORPORATED				
		ANGULAR ±1 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502244-002		3 OF 3		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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