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Part Number:

0533980371

Status:

Active

Overview:

[picoblade](#)

Description:

1.25mm (.049") Pitch PicoBlade™ Header, SMT, Vertical, Lead-free, 3 Circuits

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-51021-024 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL

E29179

General

Product Family

Series

Application

MolexKits

Overview

Product Name

PCB Headers

53398

Wire-to-Board

Yes

[picoblade](#)

PicoBlade™

Physical

Breakaway

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

No

3

Natural

30

No

94V-0

No

No

Yes

0.224 In

5.70 mm

Phosphor Bronze

Tin

Tin

Nylon

1

Vertical

0.024 In

0.60 mm

No

Yes

Embossed Tape on Reel

0.049 In

1.25 mm

Yes

Yes

Partial

No

-40°C to +85°C

Surface Mount

Electrical

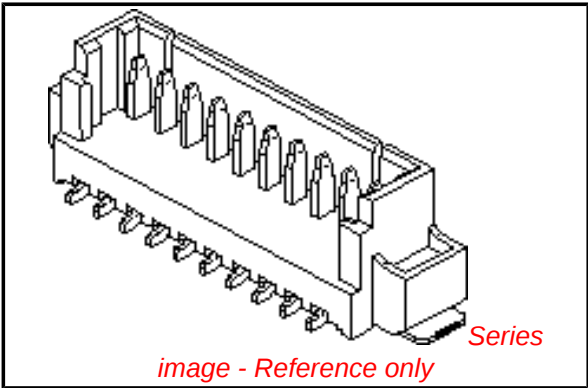
Current - Maximum per Contact

Voltage - Maximum

1A

125V

Material Info



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

53398Series

Mates With

51021 PicoBlade™ Wire-to-Wire and Wire-to-Board Housing

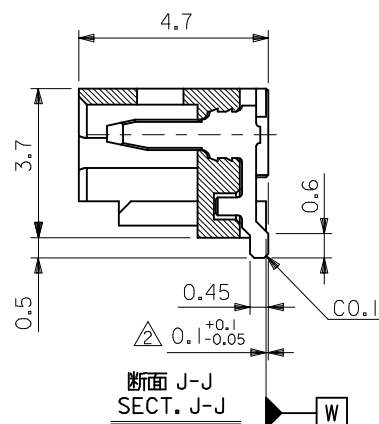
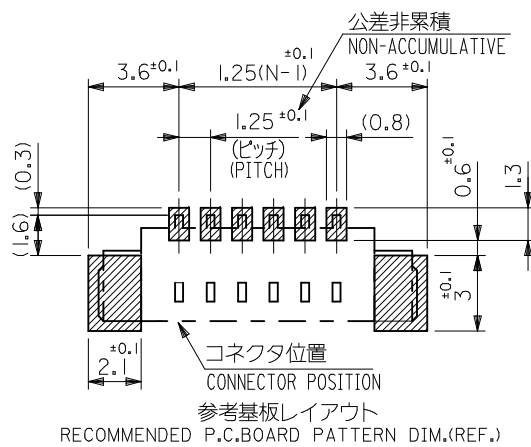
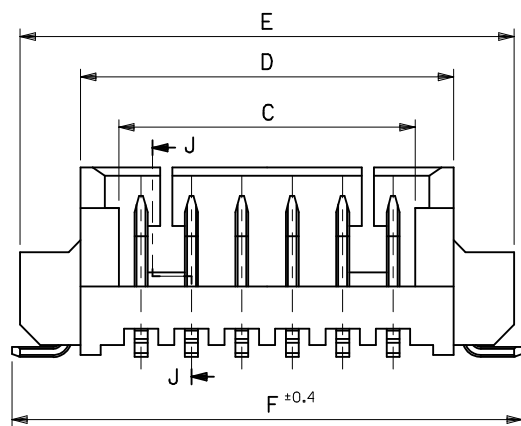
Reference - Drawing Numbers

Packaging Specification
Product Specification

SPK-53398-001, SPK-53398-002
PS-51021-024, RPS-51021-038, RPS-51021-039,
RPS-51021-040, RPS-51021-043, RPS-51021-045,
RPS-51021-046, RPS-51021-047, RPS-51021-051,
RPS-51021-053, RPS-51021-057, RPS-51021-064,
RPS-51021-065, RPS-51021-067, RPS-51021-068,
RPS-51021-074, RPS-51021-077, RPS-51021-081,
RPS-51021-085, RPS-51021-086, RPS-51021-091,
RPS-51021-092, RPS-51021-097, RPS-51021-098,
RPS-51021-099, RPS-51021-101, RPS-53398-002,
RPS-53398-038
SD-53398-032, SD-53398-033

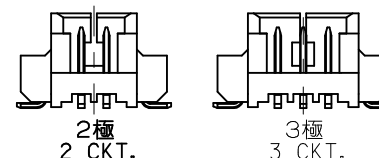
Sales Drawing

This document was generated on 05/25/2010
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注記 NOTES

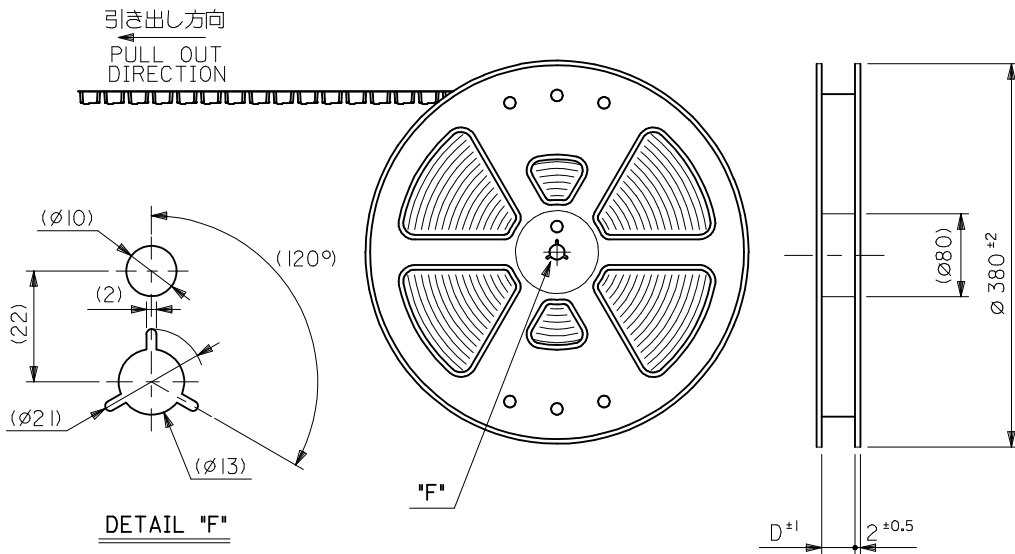
1. 嵌合相手: 51021シリーズ MATE WITH: 51021 SERIES
- △ 水平面上において、ウエハー底面 **W** とソルダーテール及び
フィッティングネイル底面とのズレ量を示す。
MISALIGNMENT OF SOLDER TAIL & FITTING NAIL FROM **W**
- △ 偶数極にのみ適用。APPLY EVEN CIRCUIT PRODUCTS.
- △ ロック窓は、2、3極は1ヶ所、4極以上は2ヶ所とする。
LOCKING WINDOW: ONE PLACE FOR 2&3 CKTS.
TWO PLACES FOR MORE THAN 4 CKTS.
5. 材質 MATERIAL LEAD, UL94V-0 COLOR:NATURAL
ウエハー :
WAFER
ピン : リン青銅
PIN : PHOS-BRO
: 錫メッキ 1.0マイクロメートル以上
: MATTE TIN 1.0 MICROMETER MINIMUM
: ニッケル下地 1.0マイクロメートル以上
: NICKEL(UNDER PLATING)1.0 MICROMETER MINIMUM
金具 : リン青銅
FITTING NAIL : PHOS-BRO
: 錫メッキ 1.0マイクロメートル以上
: MATTE TIN 1.0 MICROMETER MINIMUM
: ニッケル下地 1.0マイクロメートル以上
: NICKEL(UNDER PLATING)1.0 MICROMETER MINIMUM
6. 本製品は 53398-**10 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53398-***10.



△4 ロック形状図

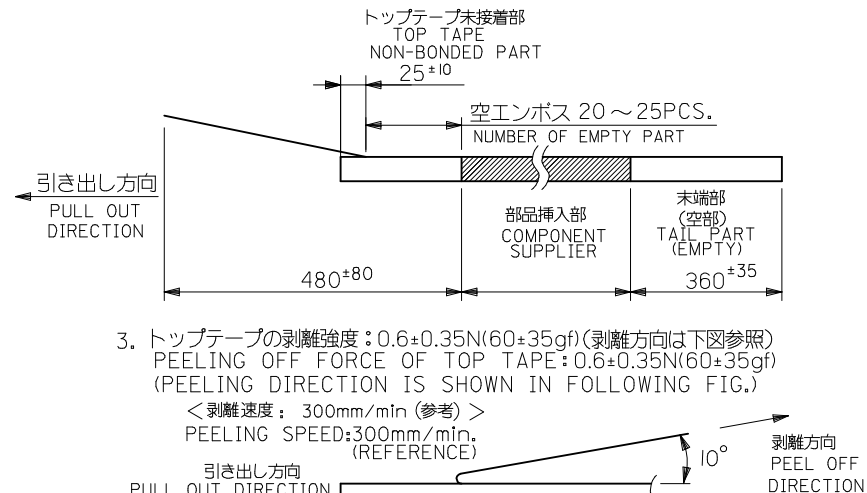
REVISED	EC NO: J2010-0213	2009/09/25 DRWN:TKON CHKD:NUKITA 2009/09/25 APPR:NUKITA 2009/09/28	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				10 UNDER	± 0.2	DRAWN BY MNI NOMIYA	DATE 04/02/06	TITLE 1.25 W/B CONN. ASS'Y FOR SMT(ST.) -LEAD FREE-		MOLEX INCORPORATED	
				10 OVER 30 UNDER	± 0.25	CHECKED BY KTOJO	DATE 04/02/06				
				30 OVER	± 0.3	APPROVED BY MSASAO	DATE 04/02/06				
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		SD-53398-032		1 OF 2	
REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

[illegible]

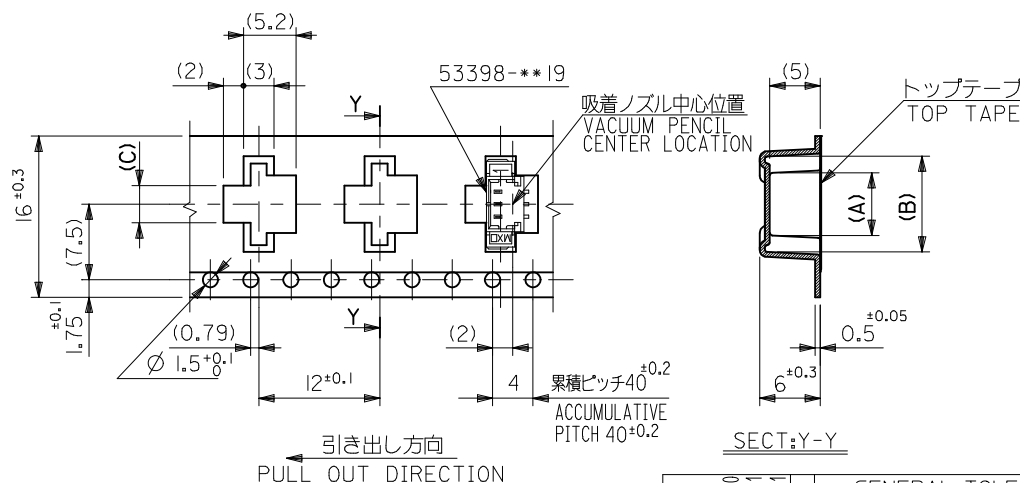


NOTES

- 梱包数量: 1000個/リール
NUMBER OF CONNECTOR: 1000PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH



- トップテープの剥離強度: 0.6 ± 0.35N(60 ± 35gf) (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE: 0.6 ± 0.35N(60 ± 35gf)
(PEELING DIRECTION IS SHOWN IN FOLLOWING FIG.)
剥離速度: 300mm/min (参考) >
PEELING SPEED: 300mm/min. (REFERENCE)
- 53398-**-19 の詳細寸法については図面 SD-53398-032 を参照下さい。
RE DETAILED DIMENSIONS, SEE SD-53398-032.
- 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, PEF
リール (REEL): ポリスチレン (P.S) <リサイクル材含む>
POLYSTYRENE (P.S) <RECYCLE MATERIAL CONTAINED>
- 本製品は 53398-**-90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53398-**-90.
- 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.



16幅テープ
(TAPE WIDTH: 16)

16	21.4	17.4	3.7	9.5	5.8	53398-0371	3
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	2.45	8.25	4.55	53398-0271	2
			(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO.: J2009-2060 DRAWN: IKON CHKD: MATSUMOTO APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY NINOMIYA	DATE '04/02/06	TITLE 1.25 W/B CONN WAFER ASSY FOR SMT. EMBSTP. PKG. -LEAD FREE-	MOLEX MOLEX INCORPORATED	SHEET NO. 1 OF 3	
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE '04/02/06				
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE '04/02/06				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE & SHEET 2.3		SD-53398-033			
		REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

F

E

D

C

B

A

F

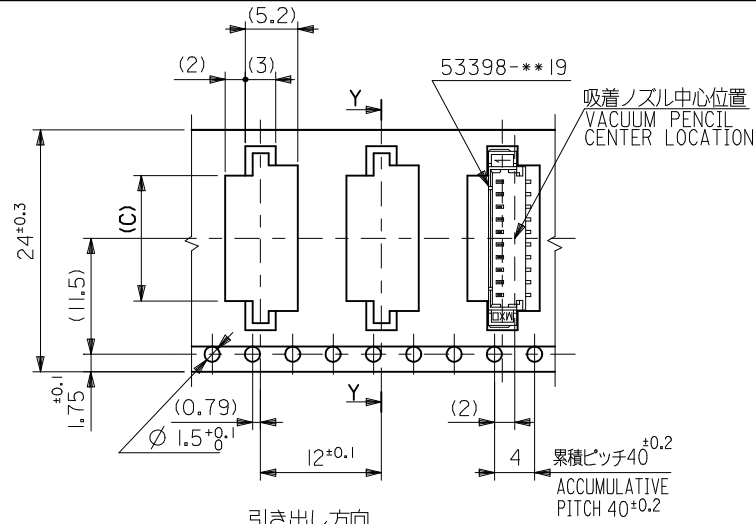
E

D

C

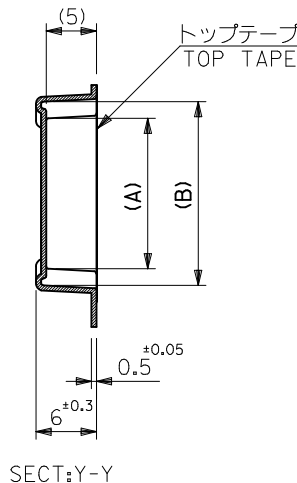
B

A

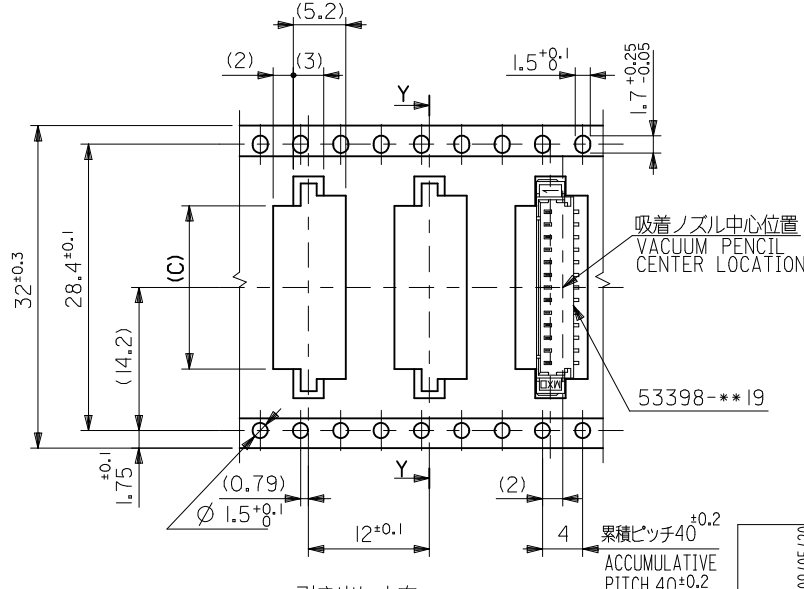


引き出し方向
PULL OUT DIRECTION

24幅テープ
(TAPE WIDTH:24)

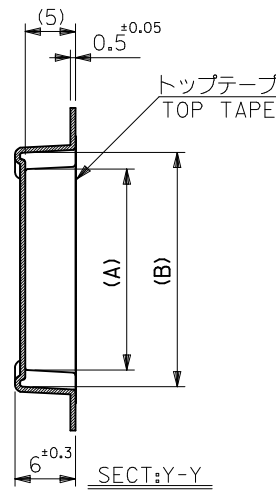


SECT:Y-Y



引き出し方向
PULL OUT DIRECTION

32幅テープ
(TAPE WIDTH:32)



SECT:Y-Y

32	37.4	33.4	16.2	22	18.3	53398-1371	13
			14.95	20.75	17.05	▲ -1271	12
24	29.4	25.4	13.7	19.5	15.8	▲ -1171	11
			12.45	18.25	14.55	▲ -1071	10
			11.2	17	13.3	▲ -0971	9
			9.95	15.75	12.05	▲ -0871	8
			8.7	14.5	10.8	▲ -0771	7
			7.45	13.25	9.55	▲ -0671	6
			6.2	12	8.3	▼ -0571	5
			4.95	10.75	7.05	53398-0471	4
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED

EC NO: J2009-2060

DRWN:TKON 2009/05/20

CHKD:HMATSUMOTO 2009/05/21

APPR:NUKITA 2009/05/21

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3

ANGULAR ±3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY NINOMIYA	DATE '04/02/06
CHECKED BY K. TOJO	DATE '04/02/06
APPROVED BY M. SASAO	DATE '04/02/06

MATERIAL NO.
SEE TABLE & SHEET 1.3

SIZE
A3

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
1.25 W/B CONN WAFER ASSY
FOR SMT. EMBSTP. PKG.
-LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO.
SD-53398-033

SHEET NO.
2 OF 3

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

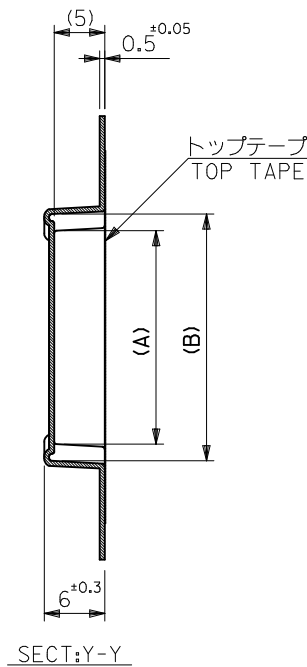
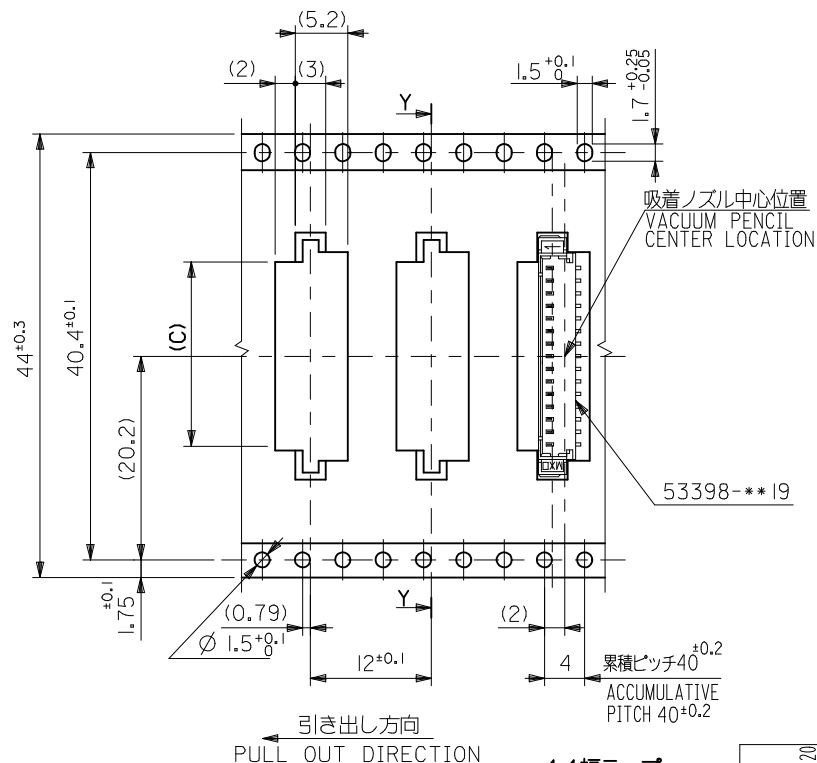
E

D

C

B

A



44幅テープ
(TAPE WIDTH:44)

44	49.4	45.4	18.7	24.5	20.8	53398-1571	15
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	17.45	23.25	19.55	53398-1471	14
	(C)	(B)	(A)			MATERIAL NO.	極数 CKT.

REVISED EC NO.: J2009-2060 DRWN:TKON 2009/05/20 CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 2009/05/21 REV B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	NINOMIYA	DATE '04/02/06	TITLE 1.25 W/B CONN WAFER ASSY FOR SMT. EMBSTP. PKG. -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE '04/02/06					
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/02/06	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						DOCUMENT NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE & SHEET 12		SD-53398-033				3 OF 3	
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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

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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:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9