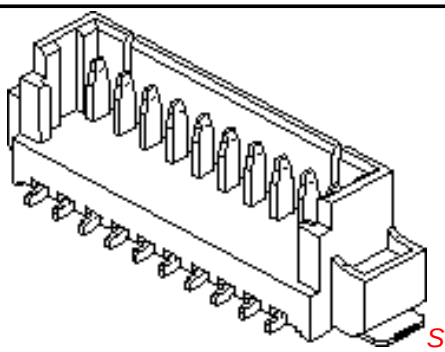
This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0533980271
Status: Active
Overview: picoblade
Description: 1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, Lead-free, 2 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51021-024 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	PCB Headers
Series	53398
Application	Wire-to-Board
MolexKits	Yes
Overview	picoblade
Product Name	PicoBlade™

Physical

Breakaway	No
Circuits (Loaded)	2
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Lock to Mating Part	Yes
Mated Height (in)	0.224 In
Mated Height (mm)	5.70 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.024 In
PC Tail Length (mm)	0.60 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	125V

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

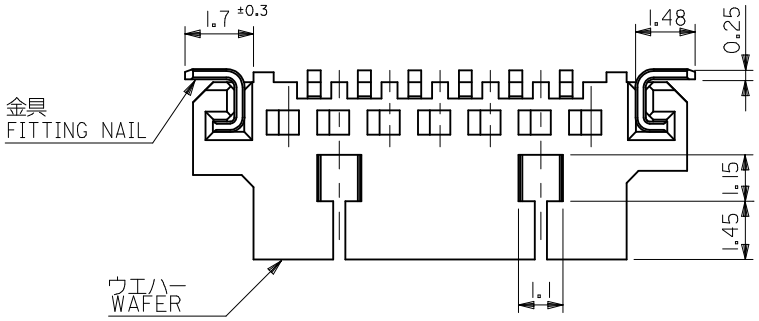
Material Info

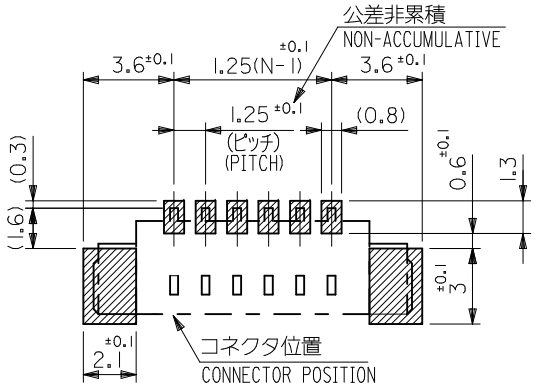
Reference - Drawing Numbers

Packaging Specification	SPK-53398-001, SPK-53398-002
Product Specification	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
Sales Drawing	SD-53398-032, SD-53398-033

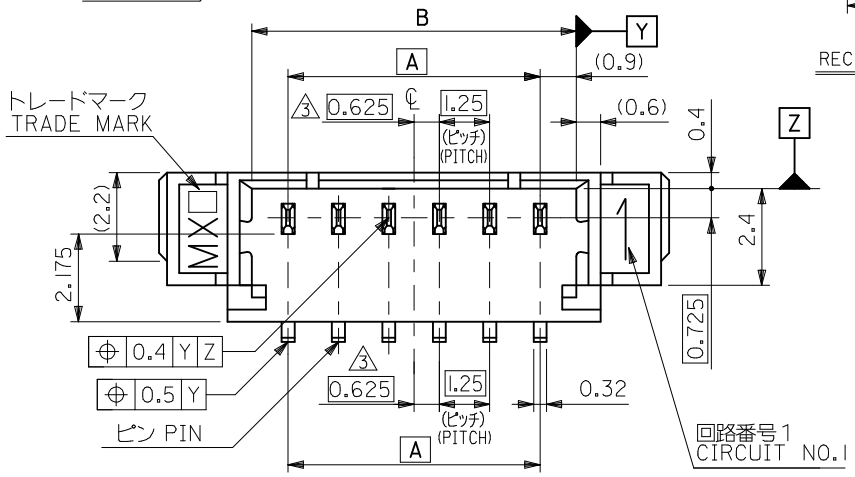
This document was generated on 06/07/2010

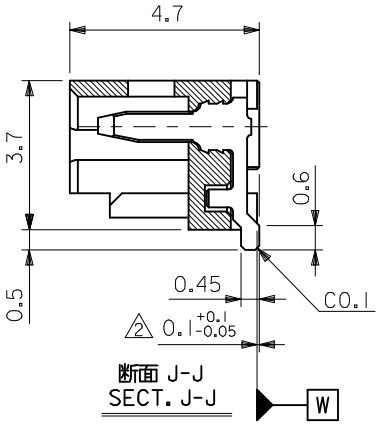
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





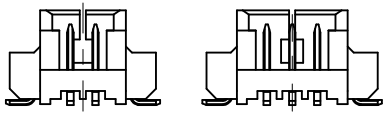
参考基板レイアウト
RECOMMENDED P.C.BOARD PATTERN DIM.(REF.)



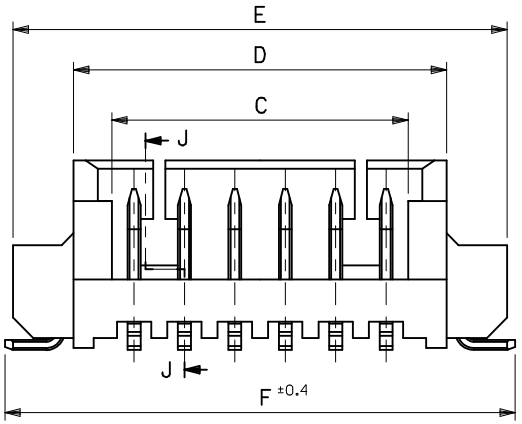


注記 NOTES

1. 嵌合相手：51021シリーズ　MATE WITH：51021 SERIES
2. 水平面上においての、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
3. 偶数極にのみ適用。APPLY EVEN CIRCUIT PRODUCTS.
4. ロック窓は、2，3極は1ケ所、4極以上は2ケ所とする。
   LOCKING WINDOW：ONE PLACE FOR 2&3 CKTS.
   TWO PLACES FOR MORE THAN 4 CKTS.
5. 材質 MATERIAL PA, 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
LOCK CONFIGURATION



REVISED	EC NO:	DRWN	CHKD	APPR	DESCRIPTION	REV
E	J2010-0213	IKON	NUKITA	NUKITA	2009/09/25 2009/09/25 2009/09/28	

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
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	MNINOMIYA 04/02/06
CHECKED BY / DATE	KTOJO 04/02/06
APPROVED BY / DATE	MSASAO 04/02/06
MATERIAL NO.	SEE SHEET 2
TITLE	1.25 W/B CONN. ASS'Y FOR SMT(ST.) -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-53398-032
SHEET NO.	1 OF 2
MODEL NO.	53398-**19
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

23.9	23.5	20.5	18.6	19.3	17.5	53398-1571	15
22.65	22.25	19.25	17.35	18.05	16.25	53398-1471	14
21.4	21	18	16.1	16.8	15	53398-1371	13
20.15	19.75	16.75	14.85	15.55	13.75	53398-1271	12
18.9	18.5	15.5	13.6	14.3	12.5	53398-1171	11
17.65	17.25	14.25	12.35	13.05	11.25	53398-1071	10
16.4	16	13	11.1	11.8	10	53398-0971	9
15.15	14.75	11.75	9.85	10.55	8.75	53398-0871	8
13.9	13.5	10.5	8.6	9.3	7.5	53398-0771	7
12.65	12.25	9.25	7.35	8.05	6.25	53398-0671	6
11.4	11	8	6.1	6.8	5	53398-0571	5
10.15	9.75	6.75	4.85	5.55	3.75	53398-0471	4
8.9	8.5	5.5	3.6	4.3	2.5	53398-0371	3
7.65	7.25	4.25	2.35	3.05	1.25	53398-0271	2
F	E	D	C	B	A	EMBOSSED TAPE PKG. (HIGH BARRIER PKG.) ORDER No.	極数 NO. OF CKTS.

CONNECTOR SERIES NO. 53398-**19

REVISED
EC NO: J2010-0213
DRWN:TKON 2009/09/25
CH'KD:NUKITA 2009/09/25
APPR:NUKITA 2009/09/28
DESCRIPTION
REV.

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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

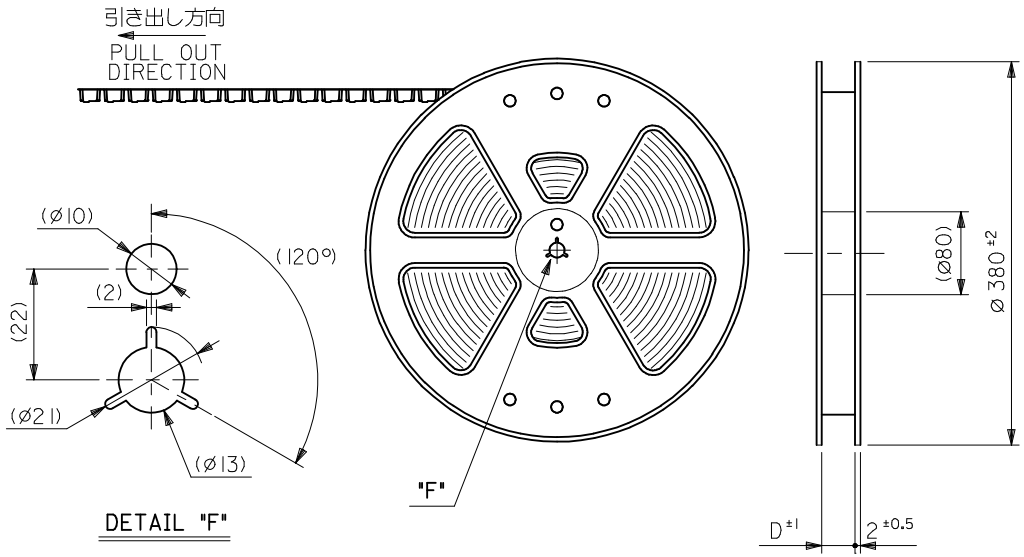
DRAWN BY: MNINOMIYA DATE: 04/02/06
CHECKED BY: KTOJO DATE: 04/02/06
APPROVED BY: MSASAO DATE: 04/02/06

TITLE: 1.25 W/B CONN. ASS'Y FOR SMT(ST.) -LEAD FREE-

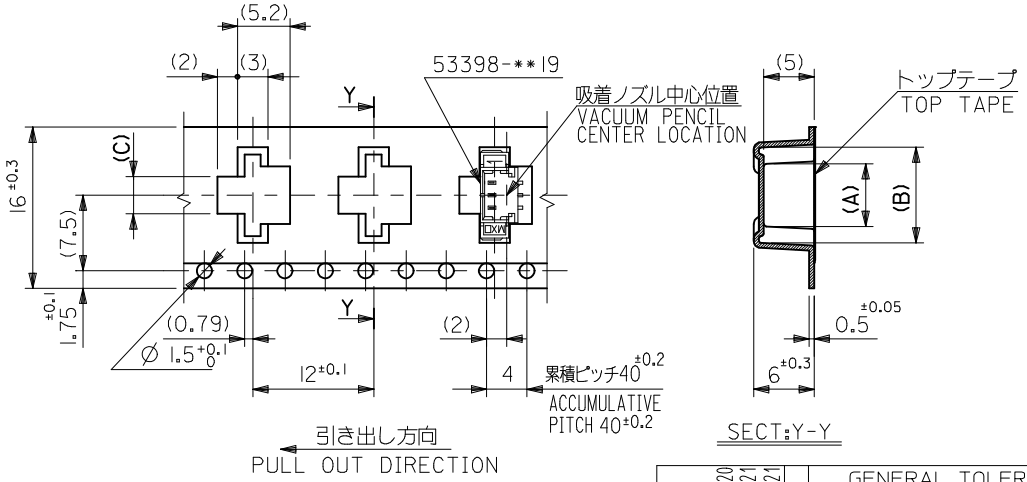
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-53398-032
SHEET NO.: 2 OF 2
SIZE: A3

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DETAIL "F"



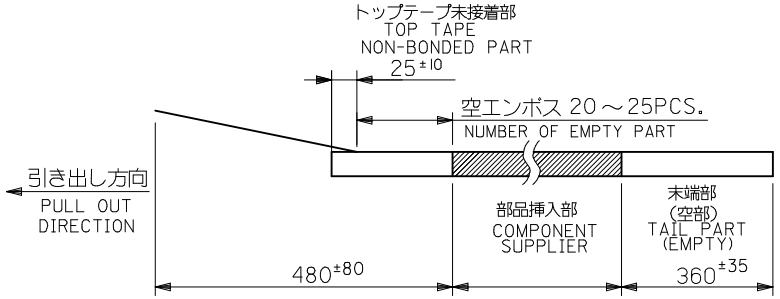
SECT:Y-Y

16幅テープ
(TAPE WIDTH:16)

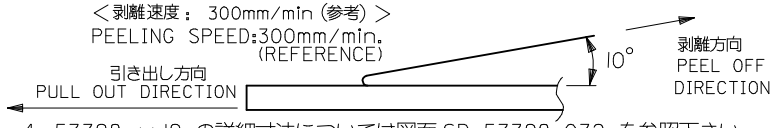
NOTES

1. 梱包数量：１０００個／リール
NUMBER OF CONNECTOR:1000PCS/REEL

2. リードテープ長さ
LEAD TAPE LENGTH



3. 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.)



4. 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.

5. 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（ＰＳ）<リサイクル材含む>
POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>

6. 本製品は 53398-**90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53398-**90.

7. 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	21.4	17.4	3.7	9.5	5.8	53398-0371	3
			2.45	8.25	4.55	53398-0271	2
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 2009/05/20
DRWN:IKON 2009/05/21
CH'KD:HMATSUMOTO
APPR:NUKITA
DESCRIPTION
REV B

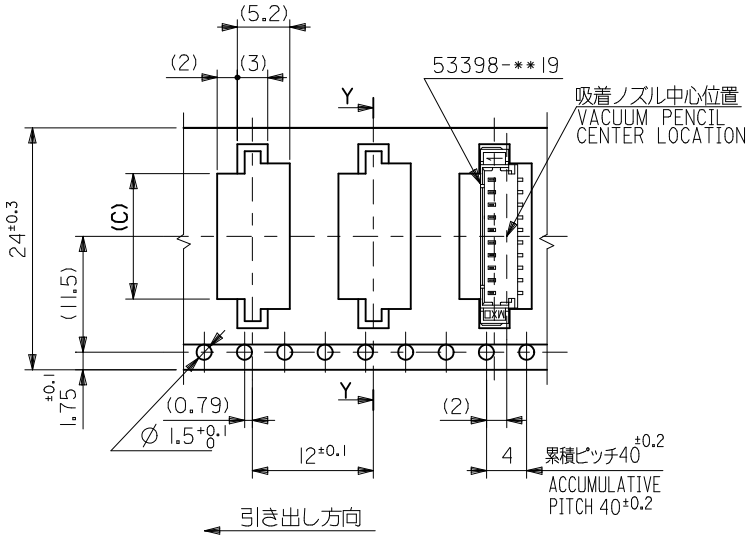
GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

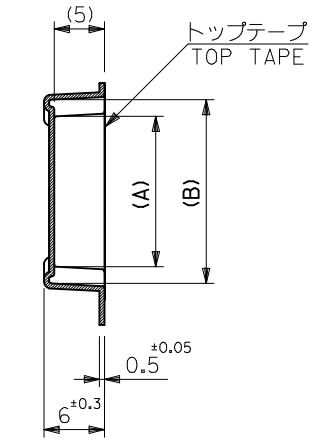
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

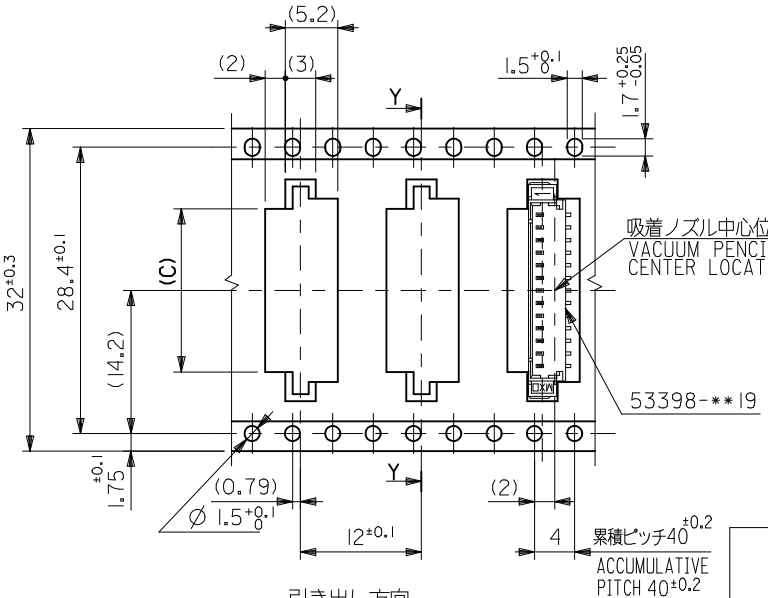
DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	NINOMIYA '04/02/06
CHECKED BY / DATE	K.TOJO '04/02/06
APPROVED BY / DATE	M.SASAO '04/02/06
MATERIAL NO.	SEE TABLE & SHEET 2,3
TITLE	1.25 W/B CONN WAFER ASSY FOR SMT. EMBSTP. PKG. -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-53398-033
SHEET NO.	1 OF 3
SIZE	A3

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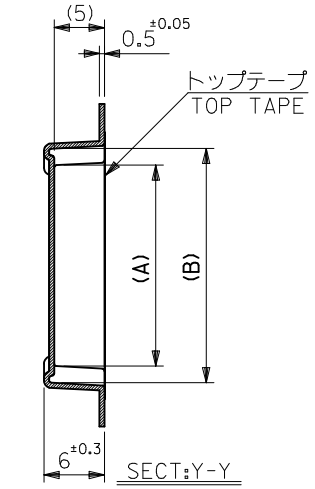


24幅テープ
(TAPE WIDTH:24)





32幅テープ
(TAPE WIDTH:32)



キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.
32	37.4	33.4	16.2	22	18.3	53398-1371	13
			14.95	20.75	17.05	-1271	12
			13.7	19.5	15.8	-1171	11
24	29.4	25.4	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

REVISED
EC NO: J2009-2060 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO 2009/05/21
APPR:NUKITA
DESCRIPTION
B
REV

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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

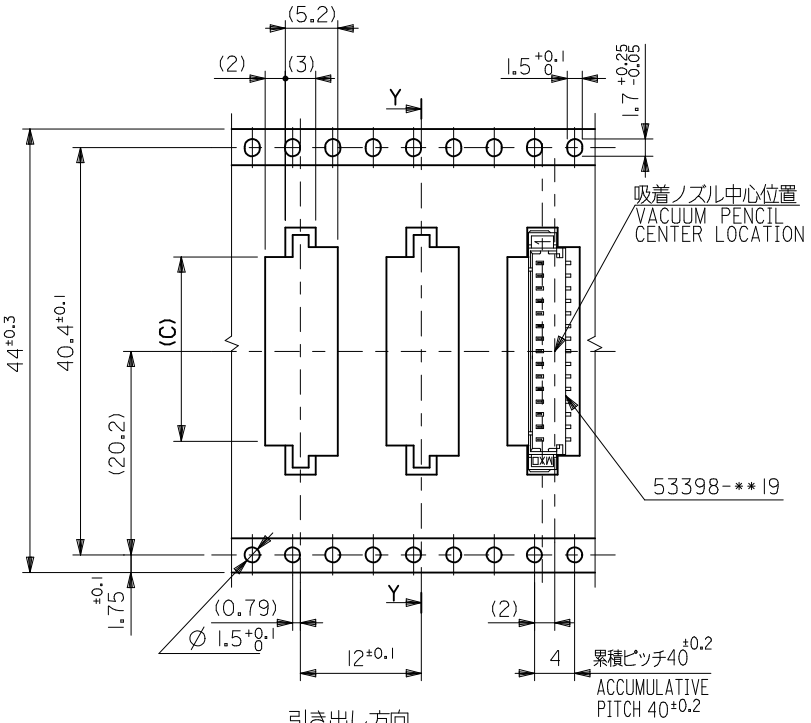
TITLE
1.25 W/B CONN WAFER ASSY
FOR SMT. EMBSTP. PKG.
-LEAD FREE-

MOLEX INCORPORATED

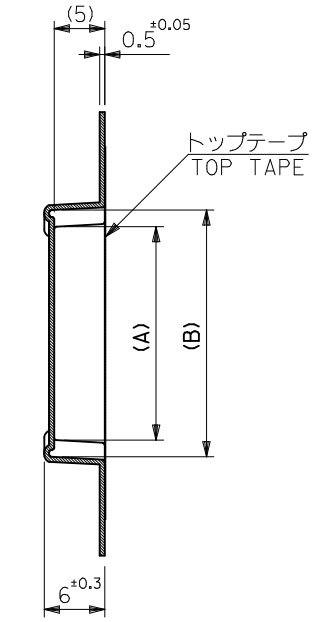
DOCUMENT NO.: SD-53398-033
SHEET NO.: 2 OF 3

SIZE A3

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44幅テープ
(TAPE WIDTH:44)



SECT:Y-Y

44	49.4	45.4	18.7 17.45	24.5 23.25	20.8 19.55	53398-1571 53398-1471	15 14
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 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO 2009/05/21
APPR:NUKITA 2009/05/21
DESCRIPTION
REV B

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
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	NINOMIYA '04/02/06
CHECKED BY / DATE	K.TOJO '04/02/06
APPROVED BY / DATE	M.SASAO '04/02/06
MATERIAL NO.	SEE TABLE & SHEET 1,2
TITLE	1.25 W/B CONN WAFER ASSY FOR SMT. EMBSTP. PKG. -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-53398-033
SHEET NO.	3 OF 3
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

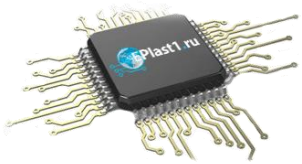
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.