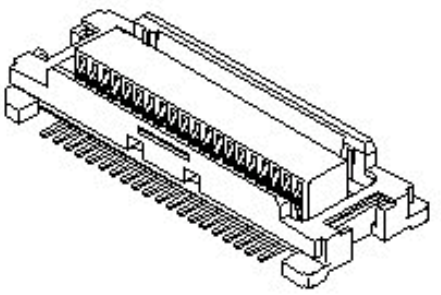
This document was generated on 04/16/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0541670608

Status: Active

Description: 0.50mm (.020") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 3.00 and 4.00mm (.118" and .157") Stacking Heights, Lower Circuit Size Version, Black, 60 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-52991-003 (PDF)
Product Specification PS-54167-002 (PDF)
Product Specification PS-54167-003 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	54167
Application	Board-to-Board
Product Name	SlimStack™

Physical

Circuits (Loaded)	60
Glow-Wire Compliant	No
Mated Height (in)	0.118 In, 0.157 In
Mated Height (mm)	3.00 mm, 4.00 mm
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Plating min: Mating (µin)	4
Plating min: Mating (µm)	0.1
Plating min: Termination (µin)	10
Plating min: Termination (µm)	0.25
Polarized to PCB	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

Material Info

Reference - Drawing Numbers

Product Specification	PS-52991-003, PS-54167-002, PS-54167-003, RPS-52991-019, RPS-54167-006
Sales Drawing	SD-54167-001, SD-54167-002

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

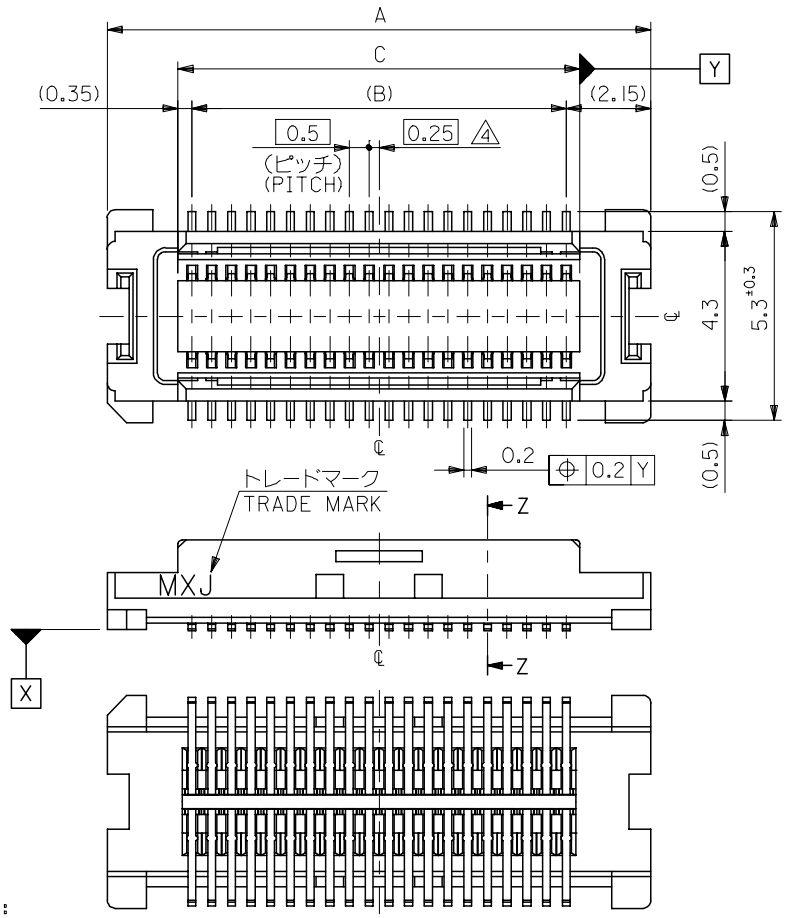
Please visit the Contact Us section for any non-product compliance questions.

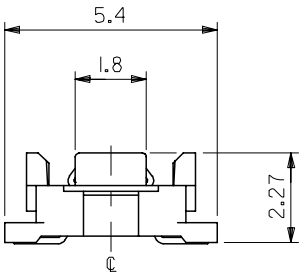
Search Parts in this Series
54167Series

Mates With
53916 , 53748

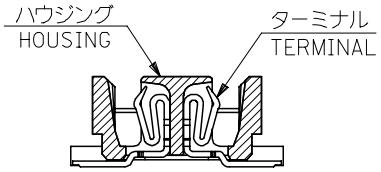
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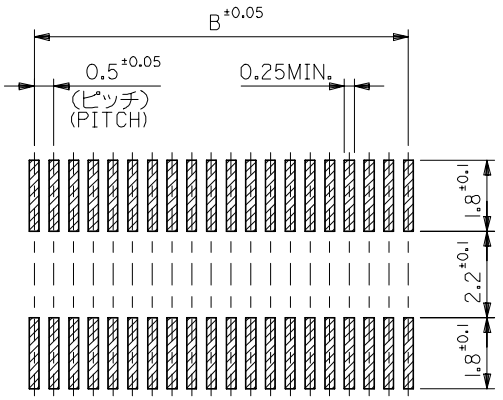
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





SECT.Z-Z





参考基板レイアウト（マウント面）
P.C.BOARD PATTERN
DIMENSION. (REF.)
(MOUNTING AREA)

注記 NOTES:

1. 使用材料 MATERIAL
   ハウジング：ＬＣＰガラス入り（黒），UL94V-0
   HOUSING:LCP(G.F.)(COLOR :BLACK),
   UL94V-0
   ターミナル：リン青銅 (t=0.15)
   TERMINAL:PHOSPHOR BRONZE(t=0.15)
2. メッキ仕様 PLATING
   全体仕上げ：金メッキ 0.1 MICROMETER MIN.
   ALL OVER : GOLD 0.1 MICROMETER MIN.
   下地メッキ：ニッケルメッキ 1.5 MICROMETER MIN.
   UNDER PLATING : NICKEL 1.5 MICROMETER MIN.
3. 基準面 X からのソルダーテールの半田付け面のズレ量は、上方向 0 、下方向 0.15MAX. とする。
   MISALIGNMENT OF SOLDER TAIL FROM X
   : UPPER DIRECTION 0 , LOWER DIRECTION 0.15 MAX.

4 （全極数／2）＝偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN.

5 嵌合相手：53748 シリーズ，53916 シリーズ，502280シリーズ
MATE WITH : 53748 SERIES, 53916 SERIES. 502280 SERIES.

6 テール平坦度は、0.1MAX.
TAIL COPLANARITY TO BE 0.1MAX.

C	B	A	MATERIAL NO.	極数 CIRCUIT
20.2	19.5	23.8	54167-0801	80
17.7	17.0	21.3	-0701	70
15.2	14.5	18.8	-0601	60
12.7	12.0	16.3	-0501	50
10.2	9.5	13.8	-0401	40
7.7	7.0	11.3	-0301	30
5.2	4.5	8.8	54167-0201	20

MODEL NO. 54167***1

REVISED
EC NO: J2007-0273 2006/07/28
DRWN:TENAGASE 2006/08/03
CHKD:THARUYAMA
APPR:NUKITA 2006/08/07
DESCRIPTION
REV D

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

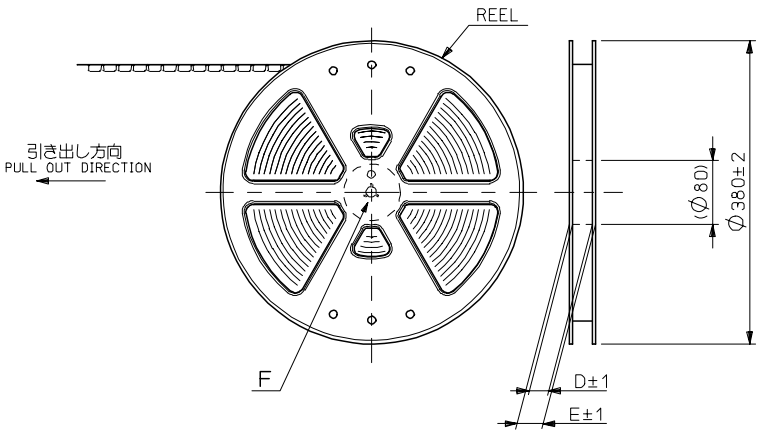
DRAWN BY	S.AIHARA
DATE	'96/11/28
CHECKED BY	M.SASAO
DATE	'01/12/26
APPROVED BY	M.SASAO
DATE	'01/12/26
MATERIAL NO.	SEE CHART

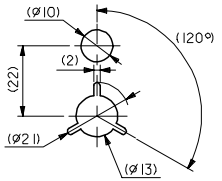
TITLE: 0.5 B/B CONN REC HSG ASSY(W/O BOSS, W/O NAIL) -LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO. SD-54167-001
SHEET NO. 1 OF 1
SIZE A3

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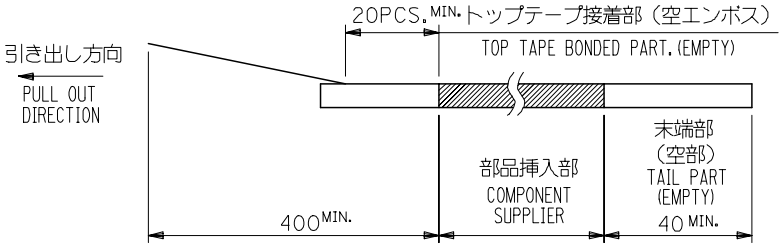




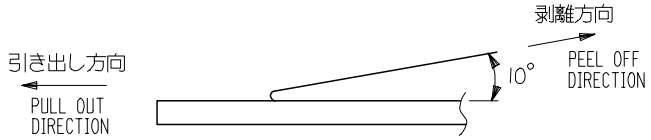
DETAIL F

NOTES

1. 製品詳細寸法については図面 SD-54167-001 を参照下さい。
   RE DETAILED DIMENSION, SEE SD-54167-001
2. 梱包数量：３０００個／リール
   NUMBER OF CONNECTORS : 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度： 0.1N~1.3 {10gf~130gf} （剥離方向は下図参照）
   尚、本規格値は出荷時に適用。（但し、輸送時に剥離が発生しないこと。）
   PEELING OFF FORCE OF TOP TAPE : 0.1N~1.3 {10gf~130gf}
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
   THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
   PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



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(TOPTAPE)： PET , PE , PEF
   リール(REEL)：ポリスチレン（PS）<リサイクル材を含む>
   POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>

REVISED				REV
EC NO: J2006-0604	2005/08/31			
DRWN:NAIDA	2005/09/01			
CHKD:KTOYODA	2005/09/09			
APPR:NUKITA				

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

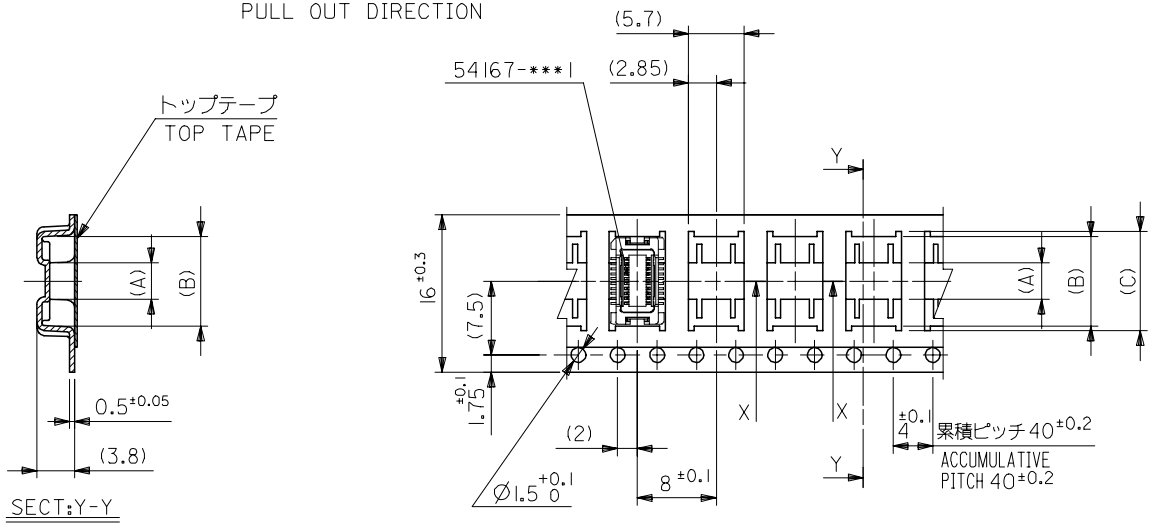
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

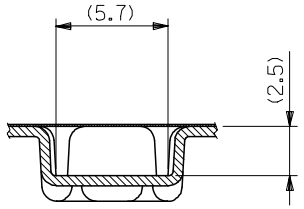
DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	S.AIHARA '96/11/25
CHECKED BY / DATE	T.ITO '00/12/06
APPROVED BY / DATE	M.FUKUSHIMA '00/12/06
MATERIAL NO.	SEE CHART
TITLE	0.5 B/B CONN REC HSG ASSY EMBSTP PKG -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-54167-002
SHEET NO.	1 OF 6
SIZE	A3

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54167***8 MODEL NO.

引き出し方向
PULL OUT DIRECTION





16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	21.4	17.4	10.1	9.1	3.7	54167-0208	20
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

54167***8 MODEL NO.

REVISED
EC NO: J2006-0604 2005/08/31
DRWN:NAIDA 2005/09/01
CHKD:KTOYODA 2005/09/09
APPR:NUKITA

REV	DESCRIPTION
A	

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

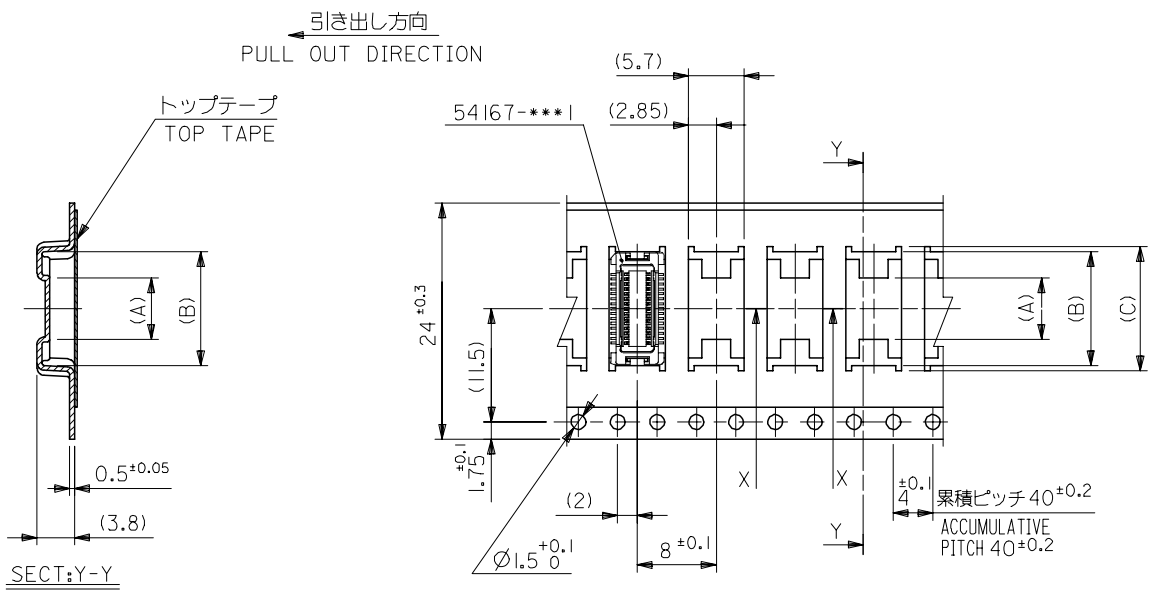
DRAWN BY	S.AIHARA	DATE '97/05/09
CHECKED BY	T.ITO	DATE '00/12/06
APPROVED BY	M.FUKUSHIMA	DATE '00/12/06

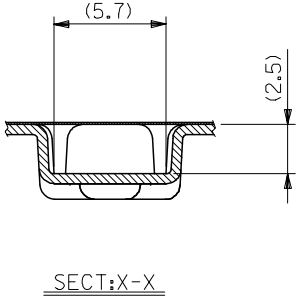
TITLE: 0.5 B/B CONN REC HSG ASSY EMBSTP PKG -LEAD FREE-

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-54167-002
SHEET NO.: 2 OF 6
SIZE: A3

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24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT
24	29.4	25.4	15.1	14.1	7.4	54167-0408	40
			12.6	11.6	4.9	54167-0308	30

54167***8 MODEL NO.

REVISED
EC NO: J2006-0604 2005/08/31
DRWN:NAIDA 2005/09/01
CHKD:KTOYODA 2005/09/09
APPR:NUKITA
REV DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR ±--- °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: S.AIHARA DATE: '97/05/09
CHECKED BY: T.ITO DATE: '00/12/06
APPROVED BY: M.FUKUSHIMA DATE: '00/12/06

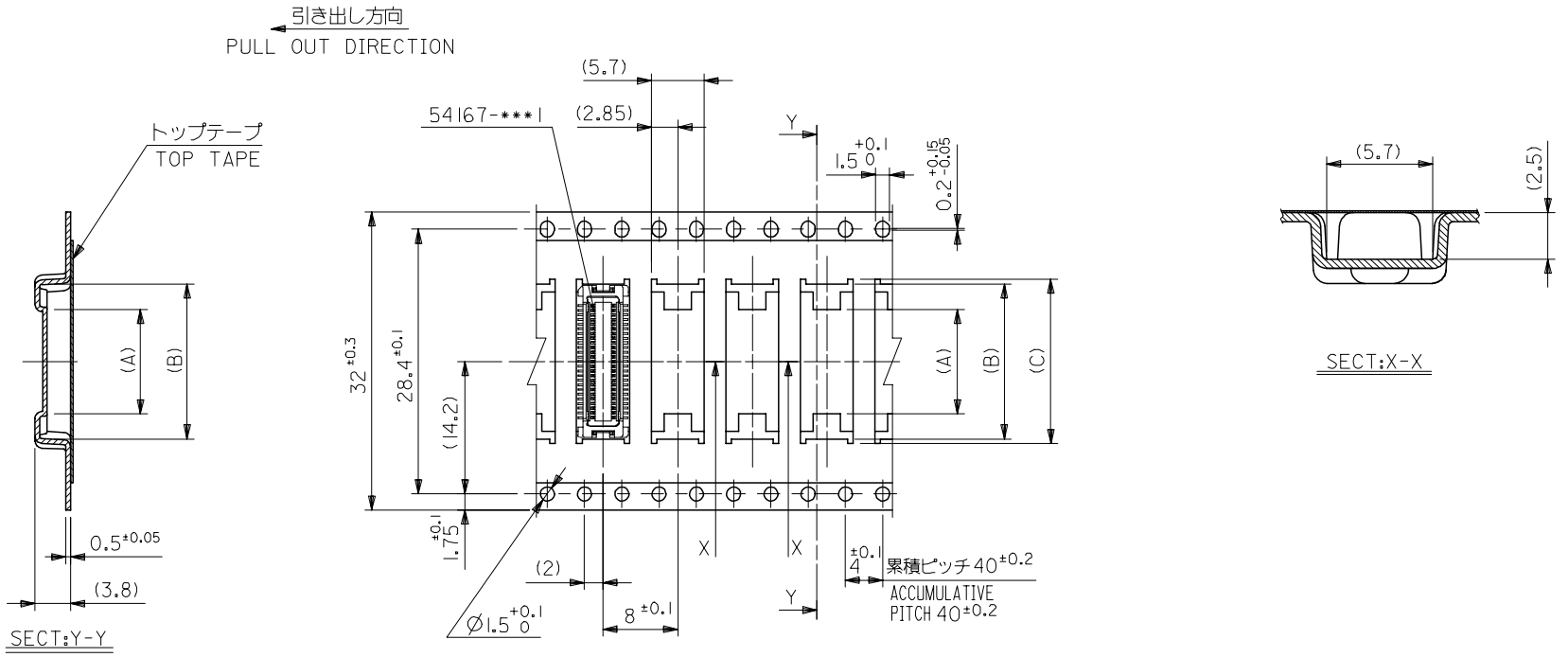
TITLE: 0.5 B/B CONN REC HSG ASSY EMBSTP PKG -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-54167-002
SHEET NO.: 3 OF 6

SIZE A3

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32mm幅キャリアテープ

32mm WIDTH CARRIER TAPE

32	37.4	33.4	17.6	16.6	11.2	54167-0508	50
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

54167-***8 MODEL NO.

REVISED
EC NO: J2006-0604 2005/08/31
DRWN:NAIDA 2005/09/01
CHKD:KTOYODA 2005/09/09
APPR:NUKITA

REV	DESCRIPTION
T1	

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY | SCALE: --- | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION

DRAWN BY: S.AIHARA DATE: '96/11/25
CHECKED BY: T.ITO DATE: '00/12/06
APPROVED BY: M.FUKUSHIMA DATE: '00/12/06

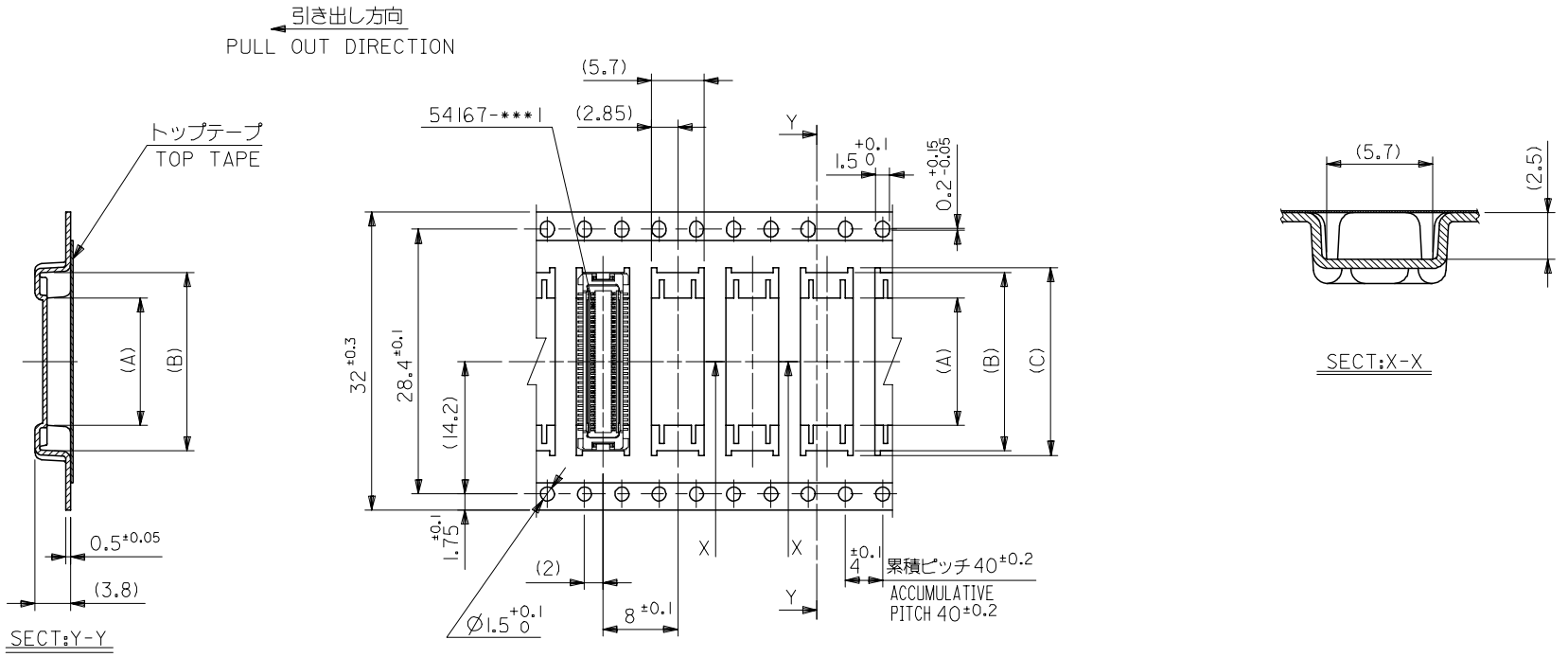
TITLE: 0.5 B/B CONN REC HSG ASSY EMBSTP PKG -LEAD FREE-

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-54167-002
SHEET NO.: 4 OF 6

SIZE A3

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32mm幅キャリアテープ

32mm WIDTH CARRIER TAPE

32	37.4	33.4	20.1	19.1	13.7	54167-0608	60
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

54167***8 MODEL NO.

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR ±1	°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REVISED

REV	DESCRIPTION		
T	EC NO: J2006-0604	2005/08/31	
	DRWN:NAIDA	2005/09/01	
	CHKD:KTOYODA	2005/09/09	
	APPR:NUKITA		

DIMENSION STYLE: MM ONLY | SCALE: --- | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION

DRAWN BY: T.YASUI DATE: '97/05/14

CHECKED BY: T.ITO DATE: '00/12/06

APPROVED BY: M.FUKUSHIMA DATE: '00/12/06

MATERIAL NO.: SEE CAHRT

TITLE: 0.5 B/B CONN REC HSG ASSY EMBSTP PKG -LEAD FREE-

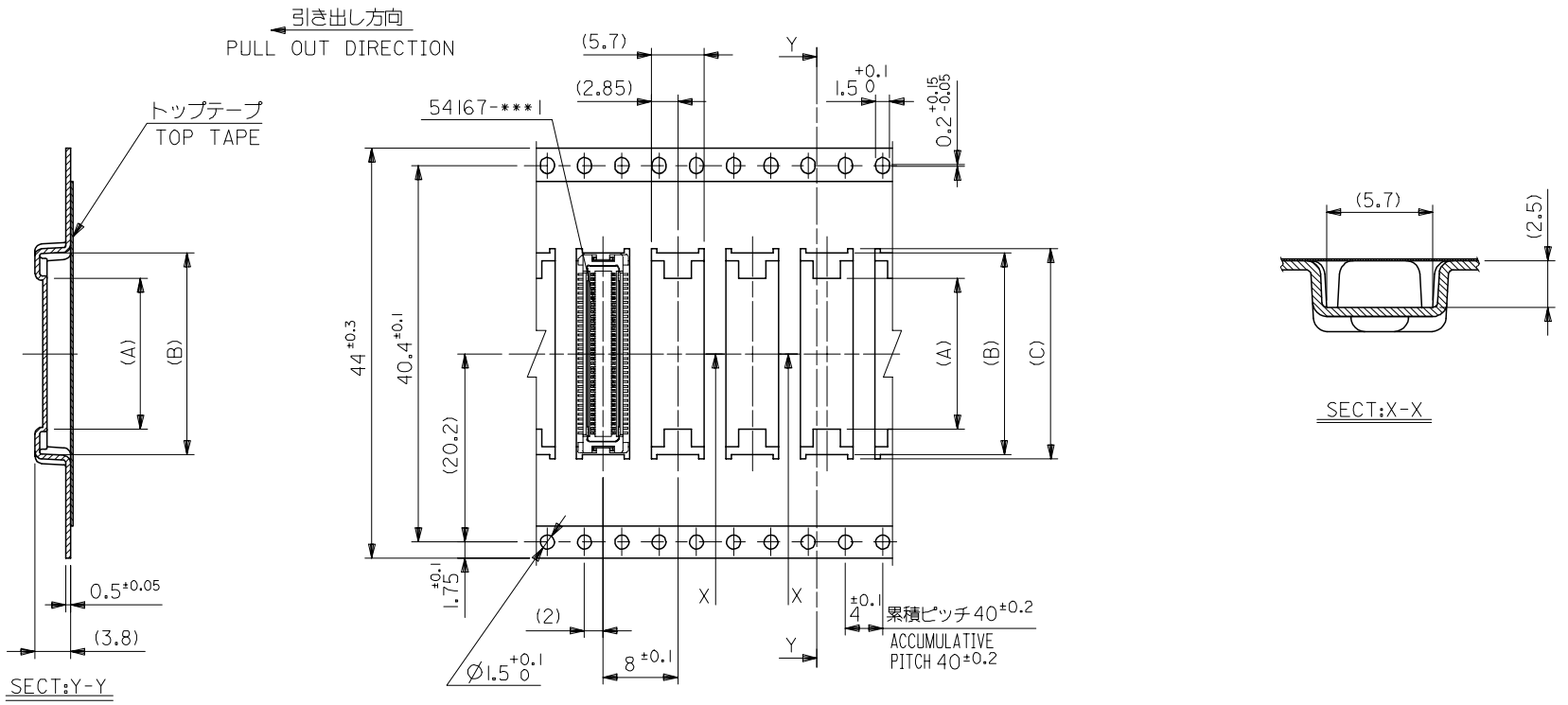
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DOCUMENT NO.: SD-54167-002

SHEET NO.: 5 OF 6

SIZE A3

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44mm幅キャリアテープ

44mm WIDTH CARRIER TAPE

44	49.4	45.4	25.1	24.1	17.5	54167-0808	80
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

54167***8 MODEL NO.

REVISED
EC NO: J2006-0604 2005/08/31
DRWN:NAIDA 2005/09/01
CHKD:KTOYODA
APPR:NUKITA 2005/09/09

REV	DESCRIPTION
T1	

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±--- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: S.AIHARA DATE: '98/10/23
CHECKED BY: T.ITO DATE: '00/12/06
APPROVED BY: M.FUKUSHIMA DATE: '00/12/06

TITLE: 0.5 B/B CONN REC HSG ASSY EMBSTP PKG -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-54167-002
SHEET NO.: 6 OF 6

SIZE A3

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