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Part Number: [0513383474](#)
Status: **Active**
Description: 0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, 1.50mm (.059") Stacking Height, with Space Saving J-Bend Leads, 34 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-51338-002 \(PDF\)](#)
[Product Specification PS-51338-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General
Product Family PCB Receptacles
Series [51338](#)
Application Board-to-Board
Comments Solder Tab Plating: Tin (Sn) over Nickel
Product Name SlimStack™

Physical
Circuits (Loaded) 34
Circuits (maximum) 34
Color - Resin Black
Durability (mating cycles max) 30
Glow-Wire Compliant No
Lock to Mating Part Yes
Mated Height (in) 0.059 In, 0.079 In
Mated Height (mm) 1.50 mm, 2.00 mm
Material - Metal Phosphor Bronze
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) 0.016 In
Pitch - Mating Interface (mm) 0.40 mm
Polarized to Mating Part No
Polarized to PCB No
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -25°C to +85°C
Termination Interface: Style Surface Mount

Electrical
Current - Maximum per Contact 0.3A
Voltage - Maximum 50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers
Packaging Specification SPK-51338-001
Product Specification PS-51338-002, PS-51338-003, RPS-51338-015, RPS-51338-018, RPS-51338-019, RPS-51338-020, RPS-51338-022, RPS-51338-024, RPS-51338-025, RPS-51338-027, RPS-51338-029, RPS-51338-030, RPS-51338-031

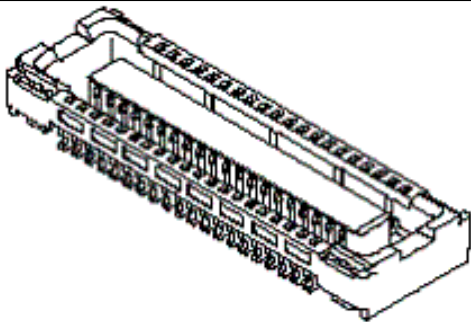


image - Reference only Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS

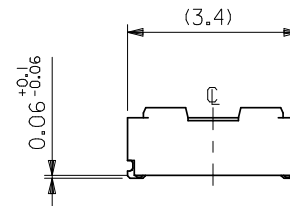
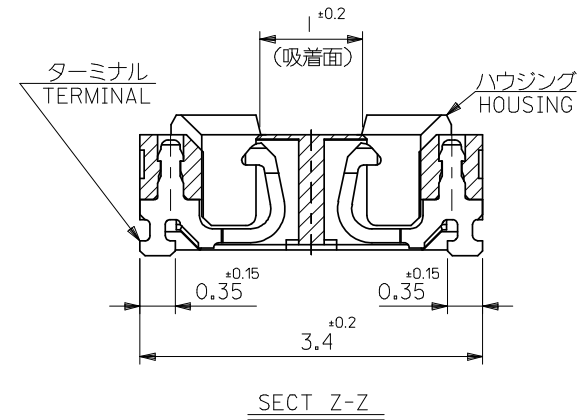
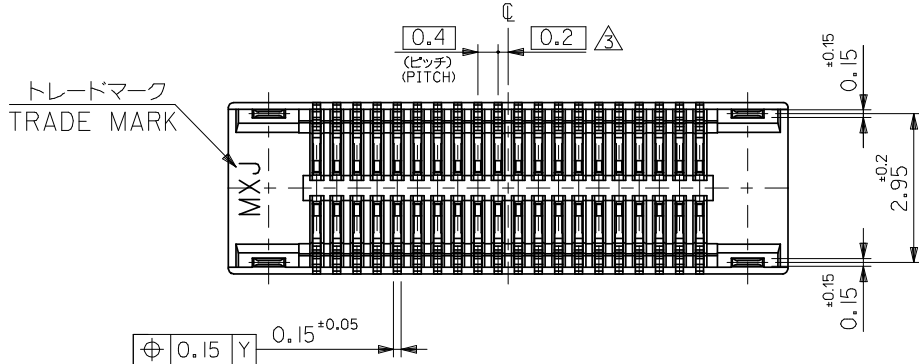
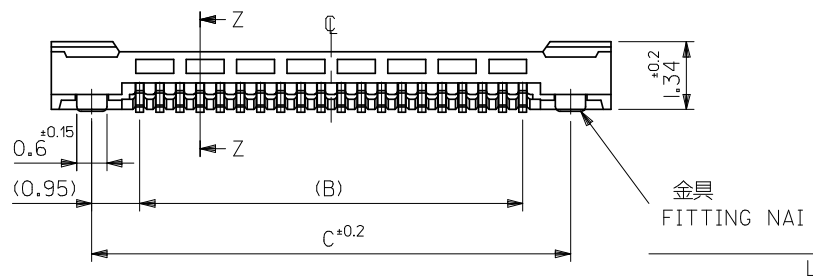
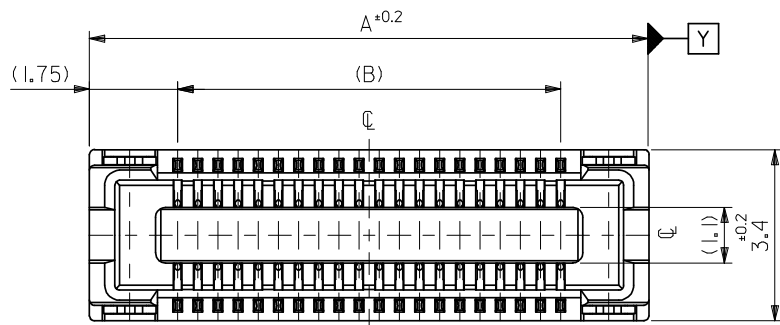
Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[51338Series](#)

Mates With
[55909](#) PCB Header, [501745](#) PCB Header

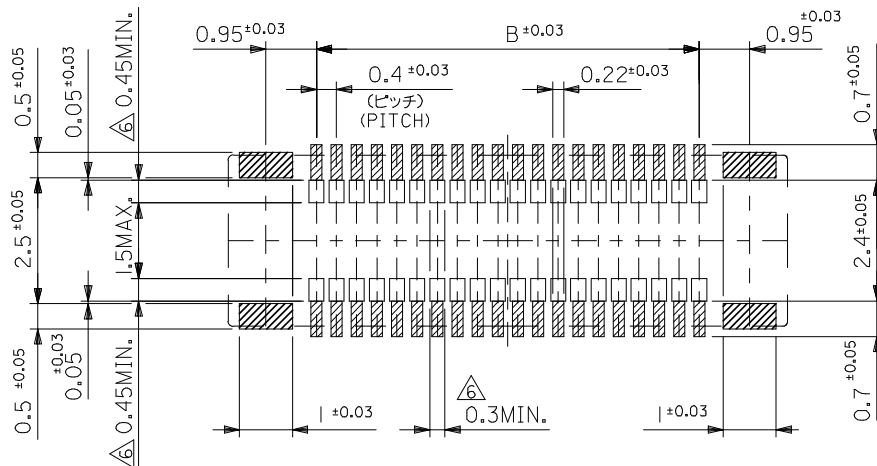
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25.5	23.6	27.1	51338-1274	51338-1209	120
21.5	19.6	23.1	51338-1074	51338-1009	100
19.5	17.6	21.1	51338-0974	51338-0909	90
17.5	15.6	19.1	51338-0874	51338-0809	80
15.5	13.6	17.1	51338-0774	51338-0709	70
13.5	11.6	15.1	51338-0674	51338-0609	60
11.5	9.6	13.1	51338-0574	51338-0509	50
9.5	7.6	11.1	51338-0474	51338-0409	40
8.3	6.4	9.9	51338-3474	51338-0349	34
7.5	5.6	9.1	51338-0374	51338-0309	30
6.7	4.8	8.3	51338-2674	51338-0269	26
6.3	4.4	7.9	51338-2474	51338-0249	24
5.9	4.0	7.5	51338-2274	51338-0229	22
5.5	3.6	7.1	51338-0274	51338-0209	20
3.9	2.0	5.5	51338-9974	51338-0129	12
C	B	A	EMBOSSD TAPE PKG. ORDER No. オーダー番号	MATERIAL No.	CKT.

REVISED EC NO: J2009-0301 DRAWN: MWBEI CHKD: THARUYAMA APPR: NUKITA 2008/08/27 2008/08/28 2008/08/28	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER ± ---		DRAWN BY DATE M. NINOMIYA 2004/03/17		TITLE 0.4 B-TO-B REC ASSY HGT=1.5 J-BEND TAIL -LEAD FREE-			
		10 OVER 30 UNDER ± ---		CHECKED BY DATE K. TOJO 2004/03/17					
		30 OVER ± ---		APPROVED BY DATE M. SASAO 2004/03/17		MOLEX MOLEX INCORPORATED			
		ANGULAR ± --- °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-51338-003		SHEET NO. 1 OF 2	
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



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

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 (黒)
HOUSING: LIQUID CRYSTAL POLYMER (GLASS FILLED)
UL94V-0 (COLOR: BLACK)
ターミナル: リン青銅 (t=0.15)
TERMINAL: PHOSPHOR BRONZE (t=0.15)
金具: リン青銅 (t=0.15)
FITTING NAIL: PHOSPHOR BRONZE (t=0.15)

2. メッキ仕様 PLATING

ターミナル TERMINAL

金メッキ 0.2マイクロメートル以上 (コンタクト部)
GOLD 0.2MICROMETER MINIMUM (CONTACT AREA)

金メッキ 0.4マイクロメートル以下 (テール部)
GOLD 0.4MICROMETER MAXIMUM (TAIL AREA)

下地メッキ: ニッケルメッキ 1.5マイクロメートル以上
UNDER PLATING: NICKEL 1.5MICROMETER MINIMUM

* コンタクト部とテール部はニッケルメッキによって分断されている金メッキです。
DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT
AND THE TAIL PART BY THE NICKEL PLATING.

金具 FITTING NAIL

錫メッキ 1.0 マイクロメートル以上
TIN PLATING 1.0 MICROMETER MINIMUM

下地メッキ: ニッケルメッキ 1.0 マイクロメートル以上
UNDER PLATING: NICKEL 1.0 MICROMETER MINIMUM

③ (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN.

4. 嵌合相手: 55909シリーズ

MATE WITH: 55909 SERIES.

5. テール平坦度は、0.08以下

テール及び金具の平坦度は、0.1以下
TAIL COPLANARITY TO BE 0.08MAXIMUM
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1MAXIMUM

④ 同一回路以外のパターン書込み禁止範囲を示す。
NO PRINT CIRCUIT AREA OTHER THAN THE SAME CIRCUIT.

7. 本製品は 51338-***3 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 51338-***3.

REVISED	EC NO: J2009-0301	2008/08/27
DRWN: MWBEI	2008/08/28	
CHKD: THARUYAMA	2008/08/28	
APPR: NUKITA	2008/08/28	
REV		

GENERAL TOLERANCES (UNLESS SPECIFIED)		
10 UNDER	±---	
10 OVER 30 UNDER	±---	
30 OVER	±---	
ANGULAR	±---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
M. NINOMIYA	2004/03/17
CHECKED BY	DATE
K. TOJO	2004/03/17
APPROVED BY	DATE
M. SASAO	2004/03/17
MATERIAL NO.	
SEE SHEET 1	
SIZE	
A3	

51338-***9		MODEL NO.
SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE		
0.4 B-TO-B REC ASSY HGT=1.5 J-BEND TAIL -LEAD FREE-		
moLEX MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-51338-003		2 OF 2
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

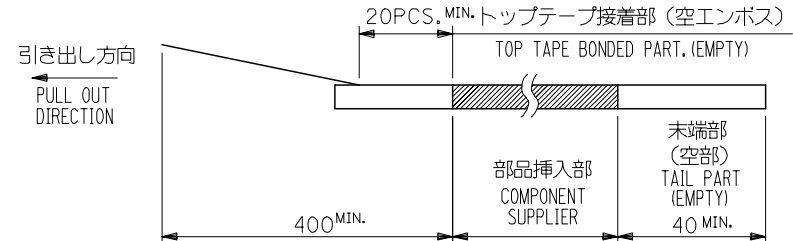
C

B

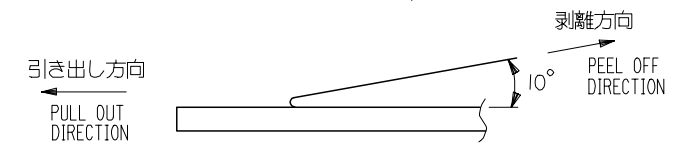
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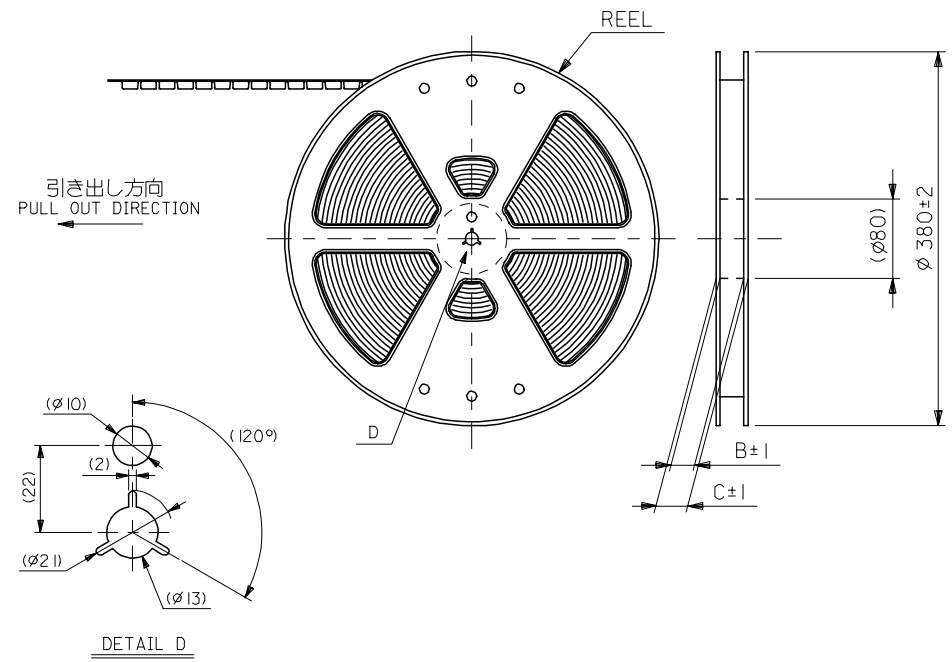
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量：2500個/リール
NUMBER OF CONNECTORS : 2500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



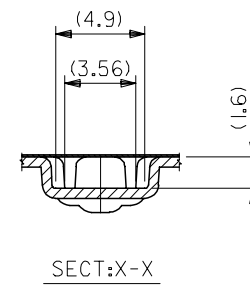
- トップテープの剥離強度：0.1N～1.3N(10gf～130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N～1.3N(10gf～130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



- 材料
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>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- 本製品は 5138-***4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 5138-***4.

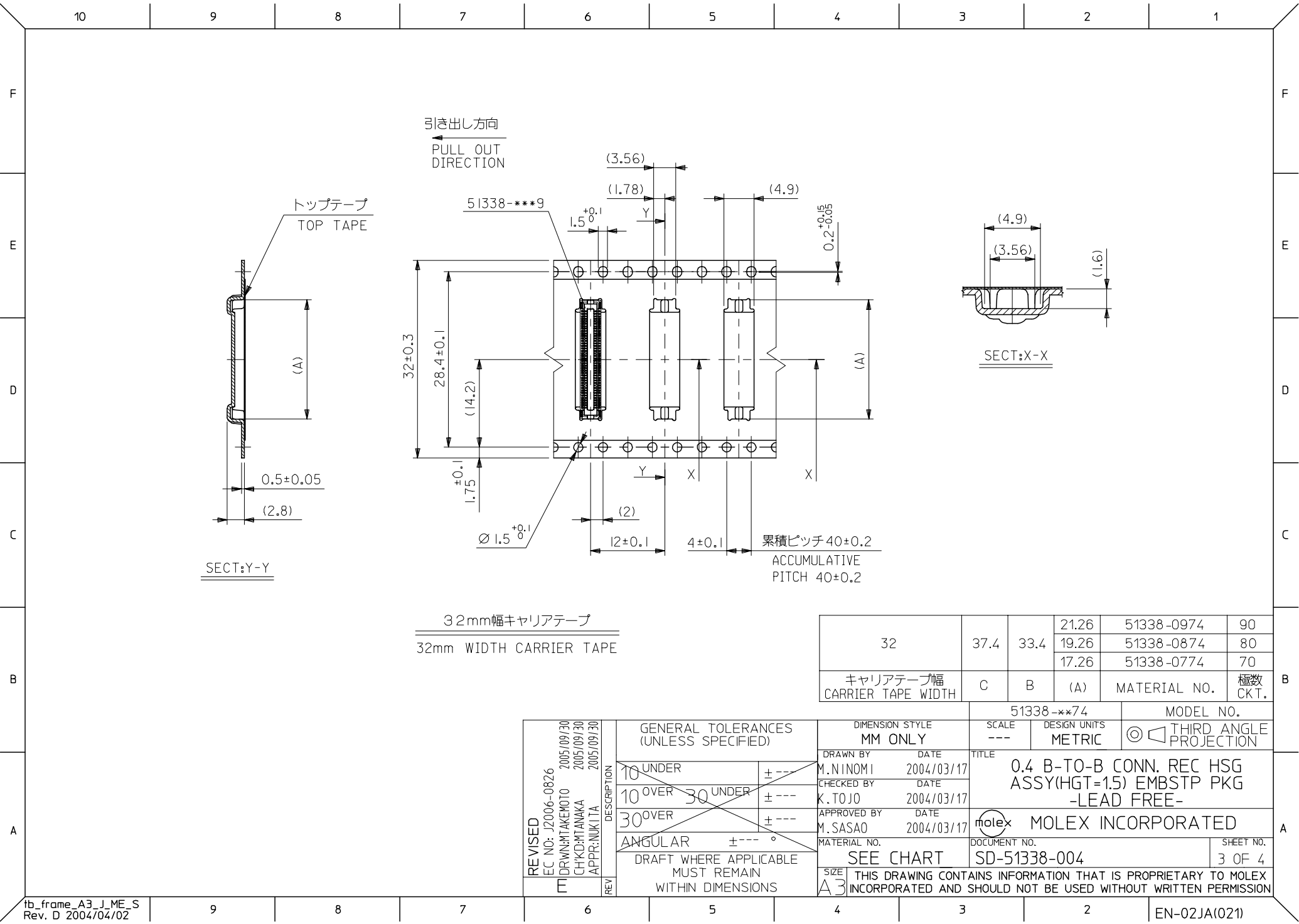


REVISED EC NO: J2006-0826 DRWN:TAKEMOTO CHKD: APPR:NUKITA REV	DESCRIPTION 2005/09/30 2005/09/30 2005/09/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		5138-xx74		MODEL NO.					
		10 UNDER ± ---		DRAWN BY DATE M.NINOMI 2004/03/17		TITLE 0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-	SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
		10 OVER 30 UNDER ± ---		CHECKED BY DATE K.TOJO 2004/03/17									
		30 OVER ± ---		APPROVED BY DATE M.SASAO 2004/03/17									
		ANGULAR ± --- °		MATERIAL NO.						molex MOLEX INCORPORATED		DOCUMENT NO. SD-5138-004	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



DRAWN BY M. NINOMI		DATE 2004/03/17		TITLE 0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-	
CHECKED BY K. TOJO		DATE 2004/03/17		APPROVED BY M. SASAO	
DATE 2004/03/17		MOLEX		MOLEX INCORPORATED	
MATERIAL NO. SEE CHART		DOCUMENT NO. SD-51338-004			SHEET NO. 2 OF 4
SIZE A 3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

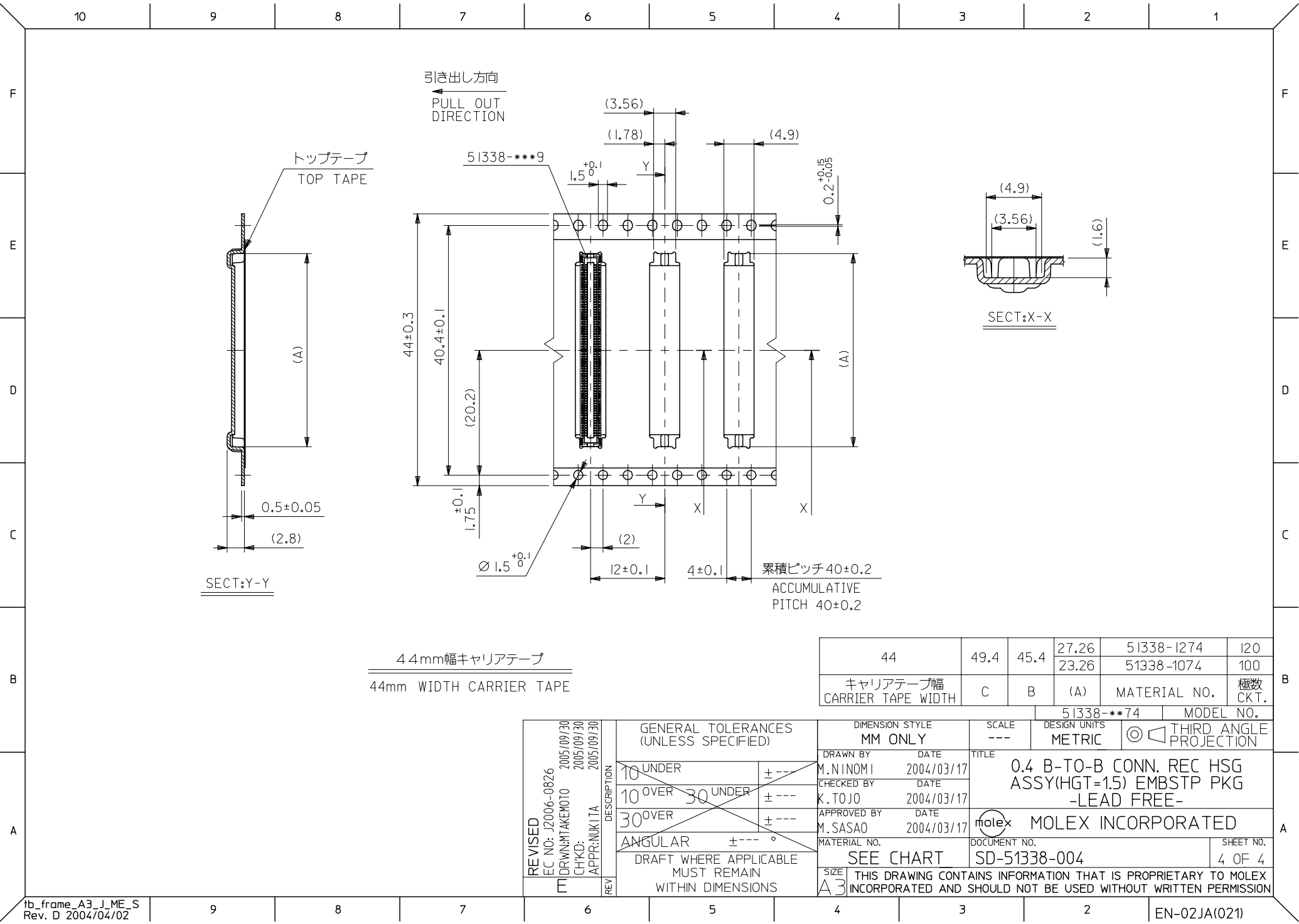
REVISED	EC NO: J2006-0826	2005/09/30	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	DRW/DATE/MO	2005/09/30		10 UNDER	± ---
	CHK/DAT/ANAKA	2005/09/30		10 OVER 30 UNDER	± ---
	APPR:NUK/ITA	2005/09/30		30 OVER	± ---
				ANGULAR	± --- °
			REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	



32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	37.4	33.4	21.26	51338-0974	90
			19.26	51338-0874	80
			17.26	51338-0774	70
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2006-0826 DRWN: TAKEMOTO CHKD: TANAKA APPR: NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		51338-**74		MODEL NO.	
		10 UNDER		± ---		SCALE ---		DESIGN UNITS METRIC	
		10 OVER 30 UNDER		± ---		TITLE		THIRD ANGLE PROJECTION	
		30 OVER		± ---		0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-			
		ANGULAR		± --- °		MOLEX MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			
				DRAWN BY DATE M. NINOMI 2004/03/17					
				CHECKED BY DATE K. TOJO 2004/03/17					
				APPROVED BY DATE M. SASAO 2004/03/17					
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

44	49.4	45.4	27.26	51338-1274	120
			23.26	51338-1074	100
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

51338-***74 MODEL NO.

REVISED		EC NO: J2006-0826		2005/09/30		2005/09/30		2005/09/30		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
DRAWN: TAKEUCHI		CHKD:		APPR: NUKITA		DESCRIPTION		10 UNDER		±---		DRAWN BY M. NINOMI		DATE 2004/03/17		TITLE 0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-			
						10 OVER 30 UNDER		±---		CHECKED BY K. TOJO		DATE 2004/03/17							
						30 OVER		±---				APPROVED BY M. SASAO		DATE 2004/03/17		MOLEX MOLEX INCORPORATED			
						ANGULAR		±---				MATERIAL NO.		DOCUMENT NO.					
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SEE CHART		SD-51338-004				SHEET NO. 4 OF 4	
REV		A3										SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					