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Part Number: [0513380974](#)
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, 90 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-51338-002 \(PDF\)](#)
[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)	90
Circuits (maximum)	90
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.059 In
Mated Height (mm)	1.50 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

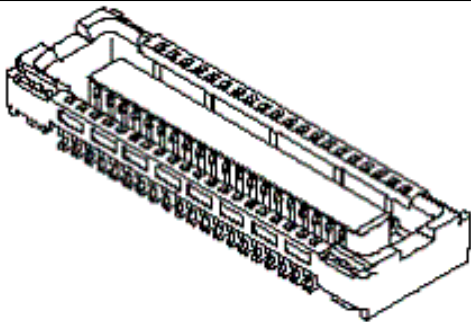
Electrical

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, RPS-51338-013, RPS-51338-018, RPS-51338-019, RPS-51338-020, RPS-51338-022, RPS-51338-024, RPS-51338-025, RPS-51338-027, RPS-51338-030, RPS-51338-031
Sales Drawing	SD-51338-003, SD-51338-004



Series

image - Reference only

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](#)

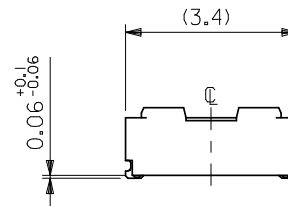
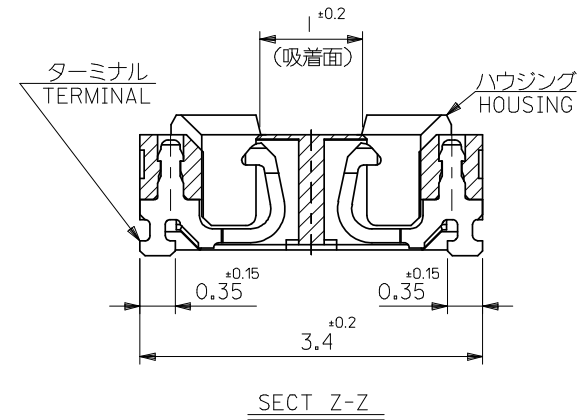
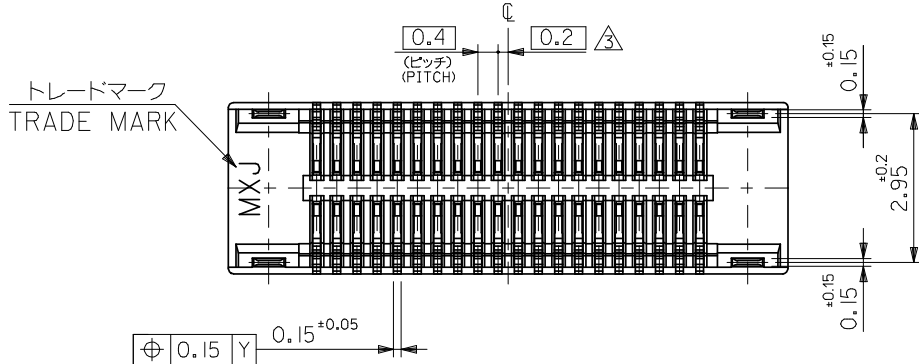
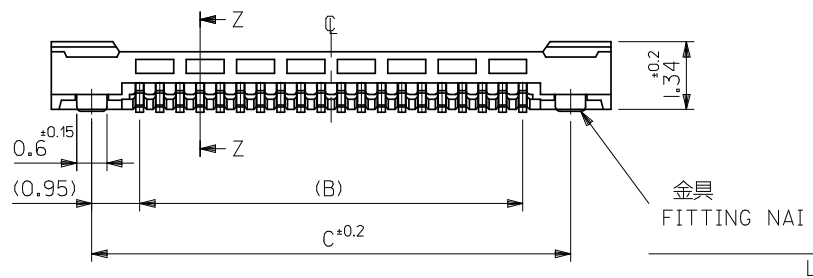
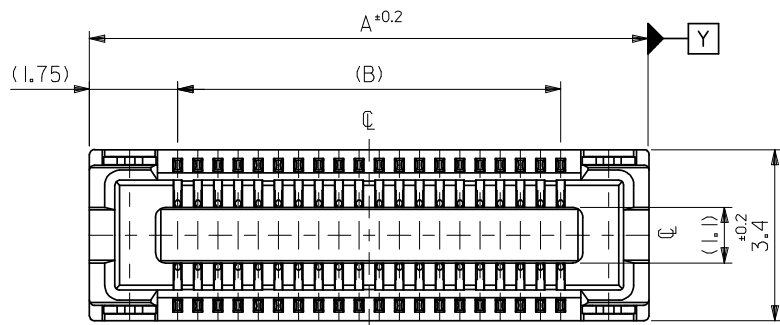
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

Mates With
[55909](#) PCB Header

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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 2008/08/27
CHKD: THARUYAMA 2008/08/28
APPR: NUKITA 2008/08/28

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

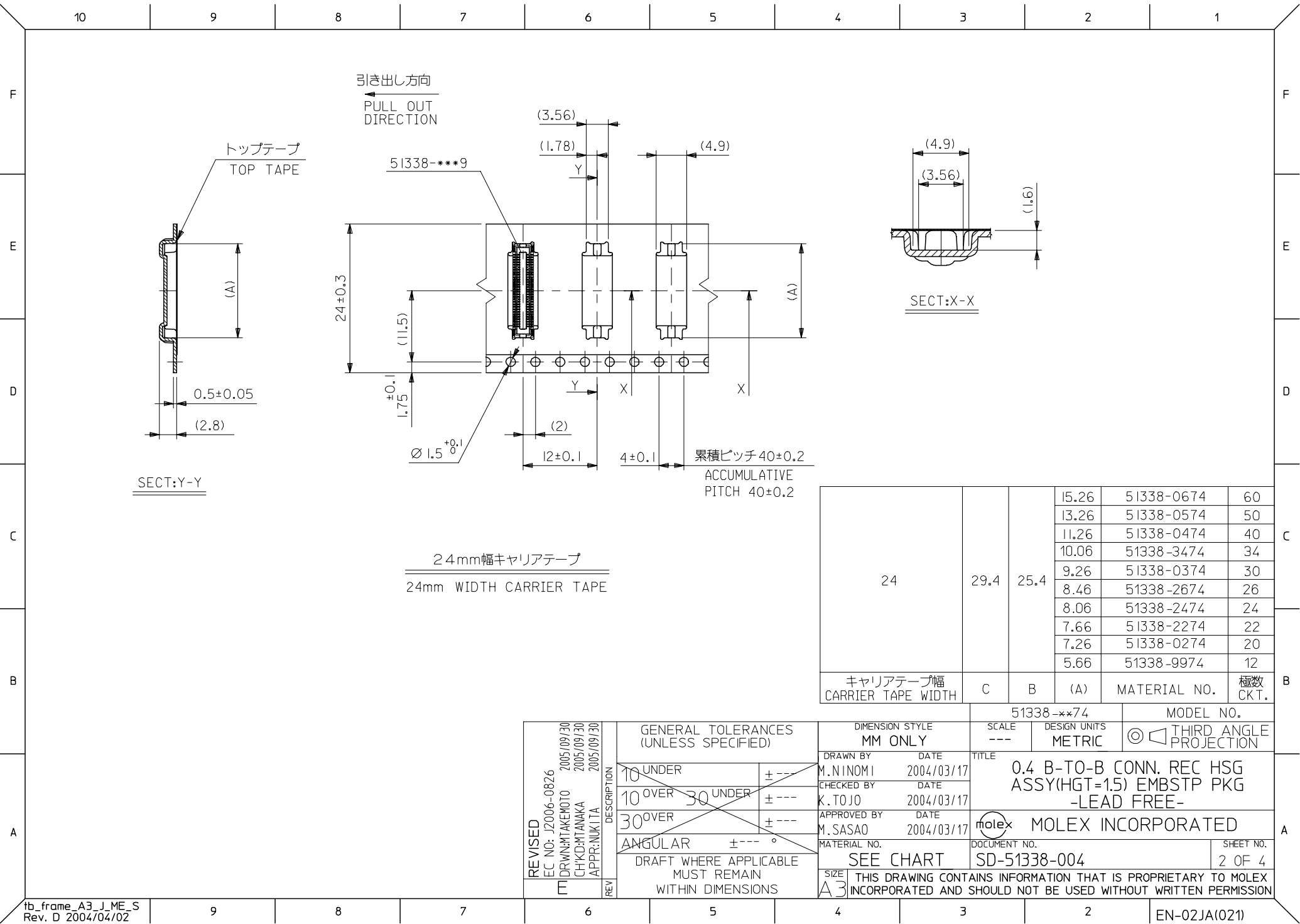
DIMENSION STYLE MM ONLY	
DRAWN BY M. NINOMIYA	DATE 2004/03/17
CHECKED BY K. TOJO	DATE 2004/03/17
APPROVED BY M. SASAO	DATE 2004/03/17
MATERIAL NO.	
SEE TABLE	
SIZE A3	

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 INCORPORATED	
DOCUMENT NO. SD-51338-003	SHEET NO. 1 OF 2



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

tb_frame_A3_J_ME_S
Rev. E 2006/04/15



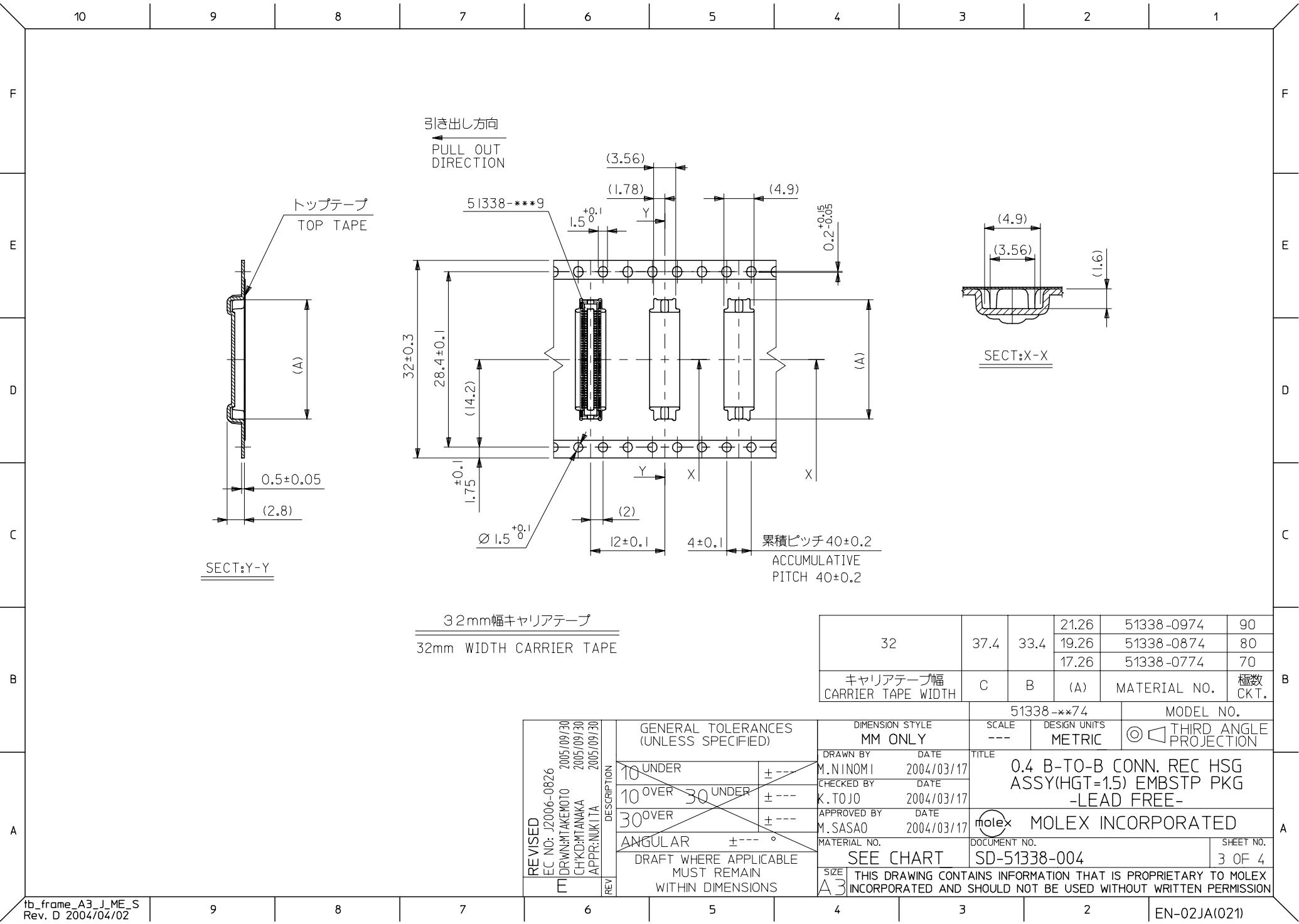
SECT:Y-Y

SECT:X-X

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	15.26	51338-0674	60
			13.26	51338-0574	50
			11.26	51338-0474	40
			10.06	51338-3474	34
			9.26	51338-0374	30
			8.46	51338-2674	26
			8.06	51338-2474	24
			7.66	51338-2274	22
			7.26	51338-0274	20
			5.66	51338-9974	12
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

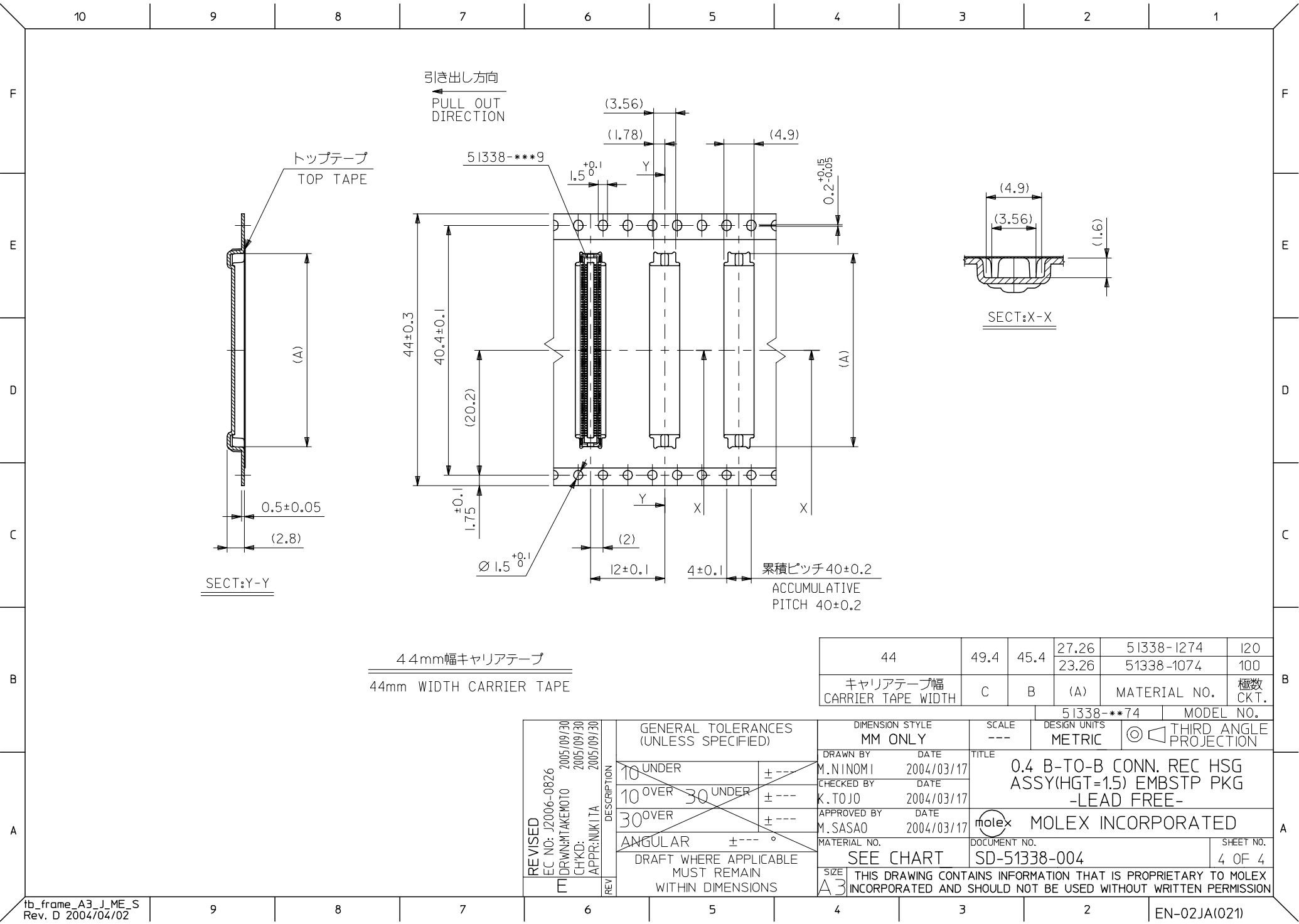
REVISED EC NO: J2006-0826 DRW:MTAKEMOTO 2005/09/30 CHKD:MTANAKA 2005/09/30 APPR:NUKITA 2005/09/30	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±---	DRAWN BY M.NINOMI	DATE 2004/03/17	TITLE 0.4 B-TO-B CONN. 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.			SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51338-004			2 OF 4	
		REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



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.				SHEET NO.	
				SIZE A3		SEE CHART		SD-51338-004		3 OF 4	



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.

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	
DRWN: TAKEMOTO		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.				SHEET NO.	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SEE CHART		SD-51338-004				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					

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