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Part Number:

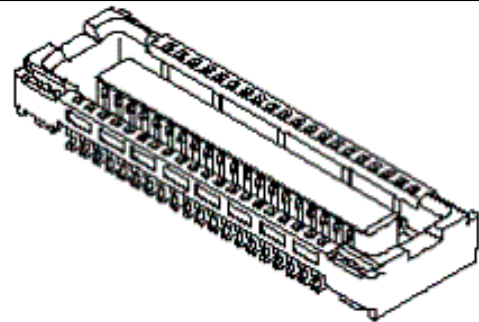
0513382474

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, 24 Circuits, Lead-free



Series

image - Reference only

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)	24
Circuits (maximum)	24
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-51338-012, RPS-51338-013, RPS-51338-015, RPS-51338-018, RPS-51338-019, RPS-51338-020, RPS-51338-022, RPS-51338-025, RPS-51338-027, RPS-51338-030, RPS-51338-031
Sales Drawing	SD-51338-003, SD-51338-004

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

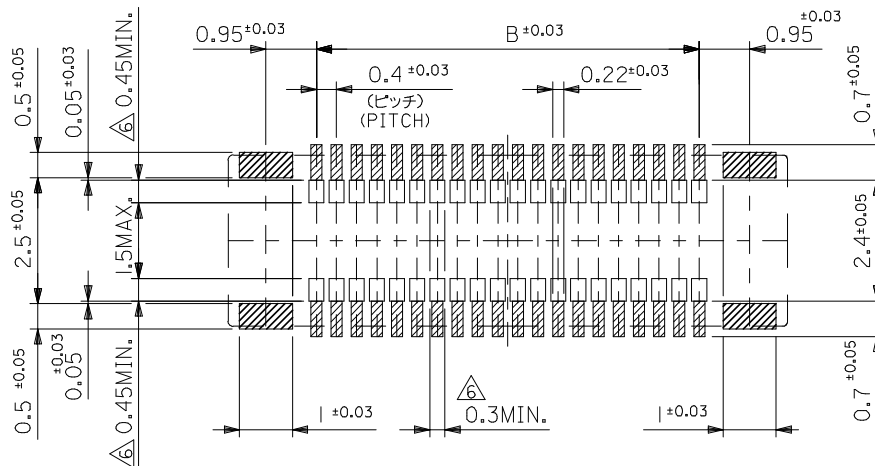
51338Series

Mates With

55909 PCB Header

This document was generated on 04/26/2010

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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 0.2 MICROMETER MINIMUM (CONTACT AREA)

金メッキ 0.4 マイクロメートル以下 (テール部)
GOLD 0.4 MICROMETER 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 1.5 MICROMETER 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 0.08 MAXIMUM

TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM

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	2008/08/28	2008/08/28
DRWN: MWBEI	CHKD: THARUYAMA	APPR: NUKITA		
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 INCORPORATED			
DOCUMENT NO. SD-51338-003			SHEET NO. 2 OF 2
AINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

F

E

D

C

B

A

F

E

D

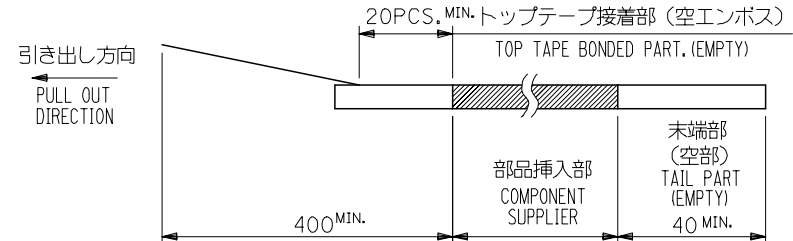
C

B

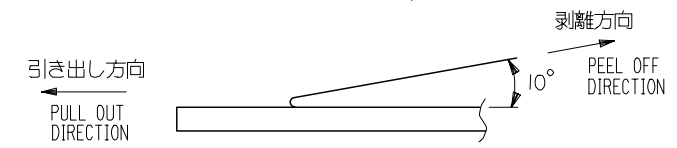
A

NOTES

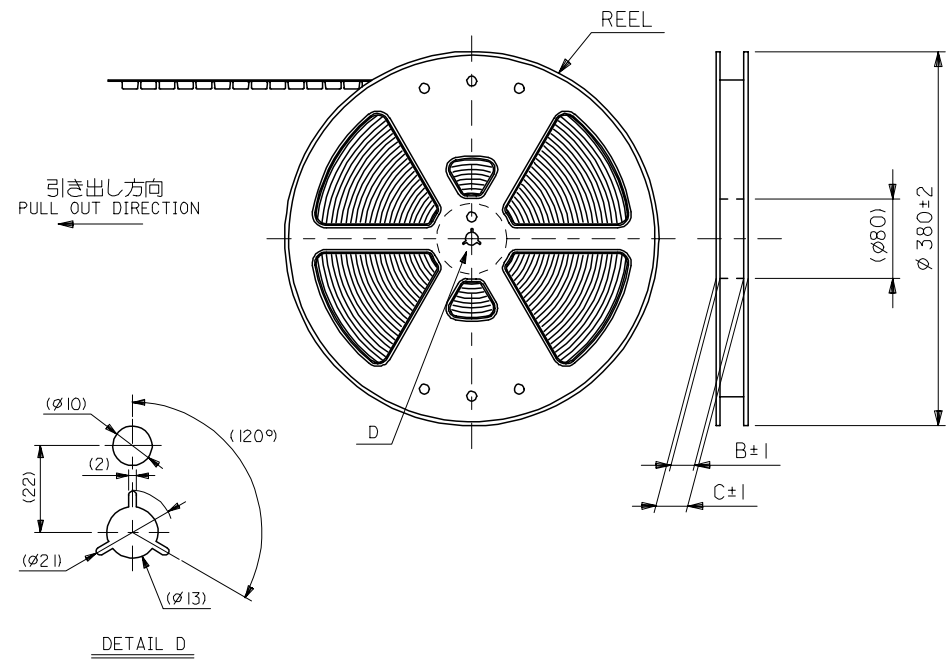
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量：2500個/リール
NUMBER OF CONNECTORS : 2500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



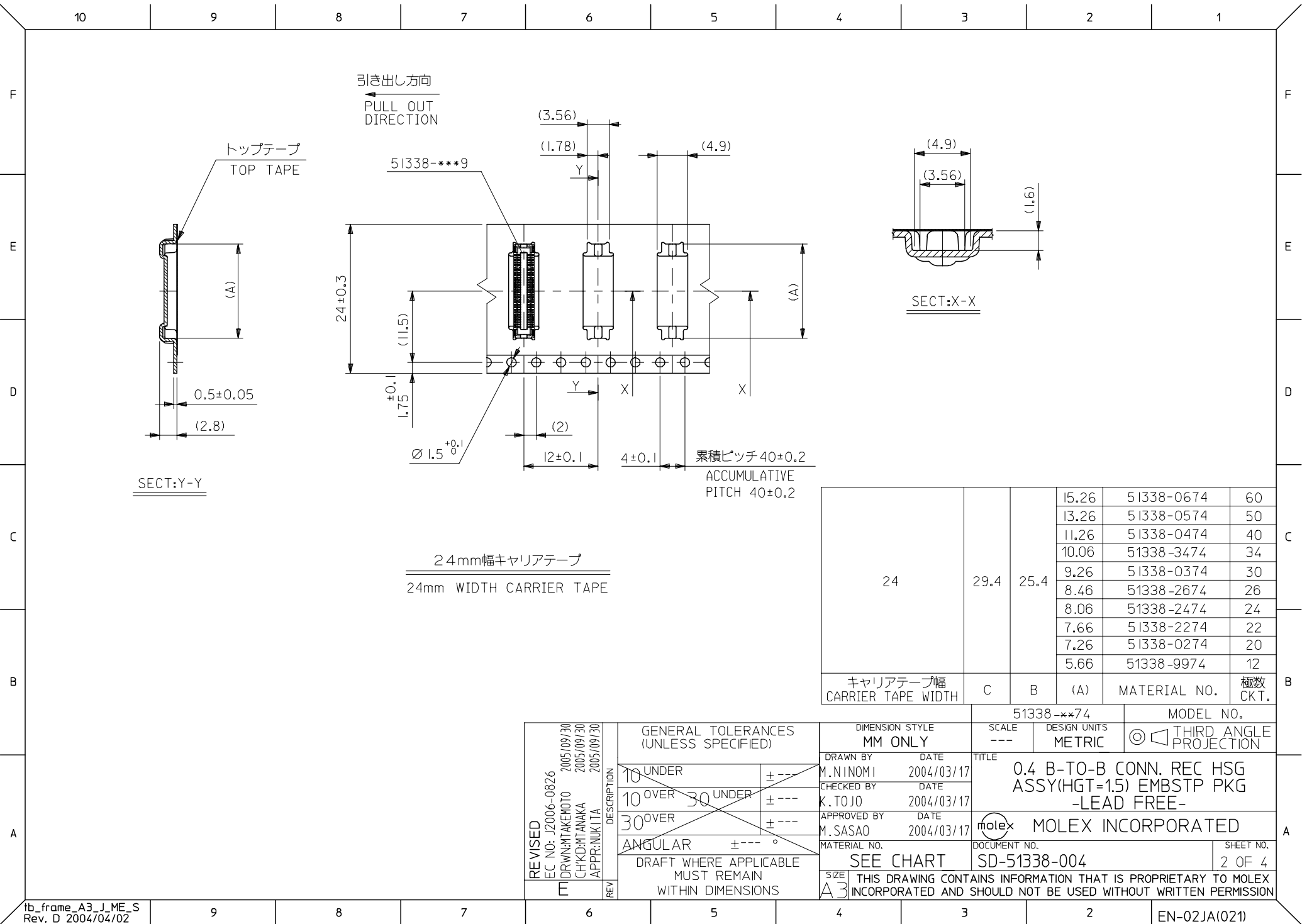
- トップテープの剥離強度：0.1N～1.3N(10gf～130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N～1.3N(10gf～130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.

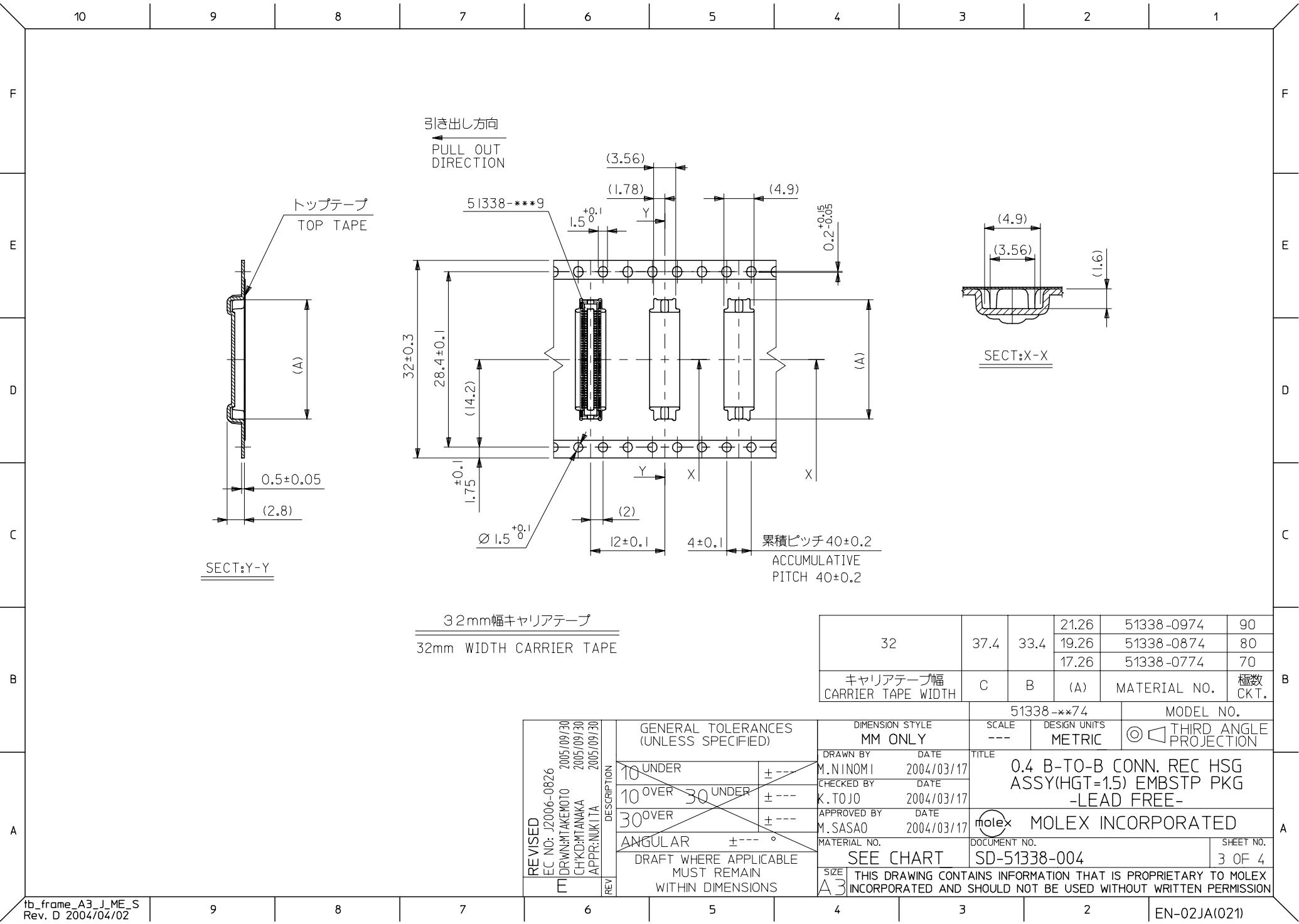


- 材料
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE) : PET , PE , PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- 本製品は 5138-***4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 5138-***4.



REVISED EC NO: J2006-0826 DRWN: TAKEMOTO CHKD: 2005/09/30 APPR: NUKITA 2005/09/30	DESCRIPTION REV	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					
		ANGULAR		± --- °	MATERIAL NO.		MOLEX MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE CHART		DOCUMENT NO. SD-51338-004		SHEET NO. 1 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

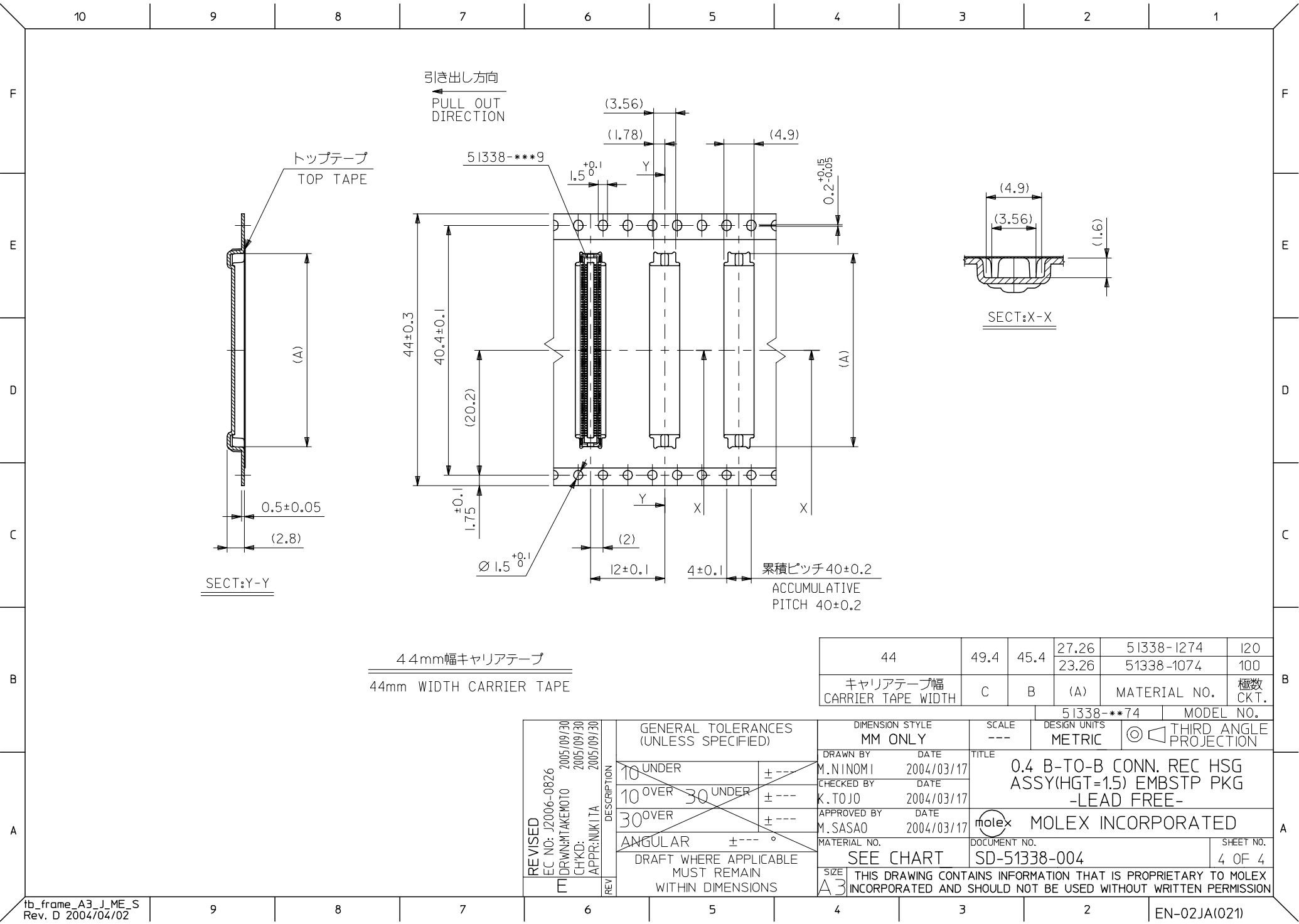




32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

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		± ---		DRAWN BY M. NINOMI		DATE 2004/03/17			
		30 OVER		± ---		CHECKED BY K. TOJO		DATE 2004/03/17			
		ANGULAR		± --- °		APPROVED BY M. SASAO		DATE 2004/03/17			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		TITLE 0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-		MOLEX INCORPORATED			
				SEE CHART		DOCUMENT NO. SD-51338-004		SHEET NO. 3 OF 4			
				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: 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		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							