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Part Number:

0559092274

Status:

Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch Board-to-Board SlimStack™ Plug, Surface Mount, Dual Row, Vertical Stacking, 1.50mm (.059") Stacking Height, Lead-free, 22 Circuits

Documents:

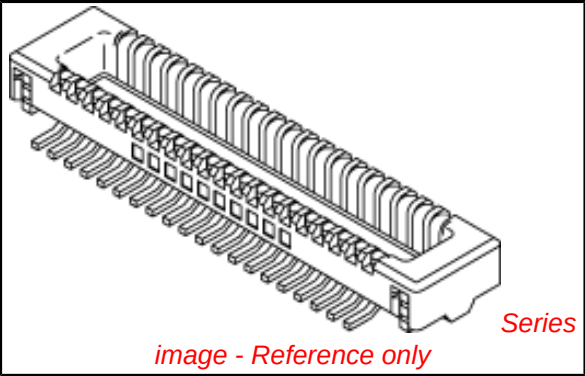
3D Model

Drawing (PDF)

Product Specification PS-51338-002 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	55909
Application	Board-to-Board
Comments	Solder Tab Plating: Tin
Overview	slimstack_mm016_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height (in)	0.059 In
Mated Height (mm)	1.50 mm
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.020 In
PC Tail Length (mm)	0.50 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.016 In
Pitch - Mating Interface (mm)	0.40 mm
Plating min: Mating (µin)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	4
Plating min: Termination (µm)	0.1
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	50V



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

55909Series

Mates With

51338 Board-to-Board SlimStack™ Receptacle

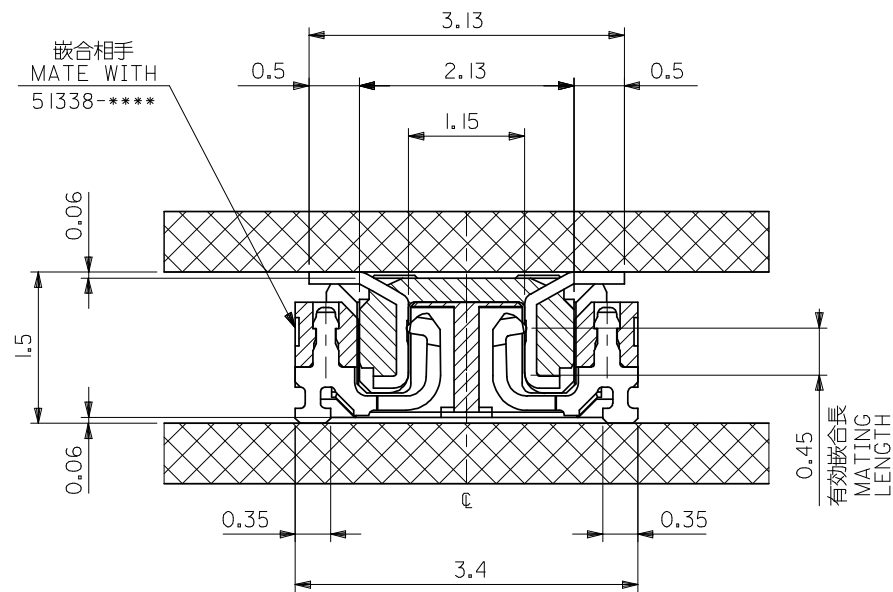
Material Info

Reference - Drawing Numbers

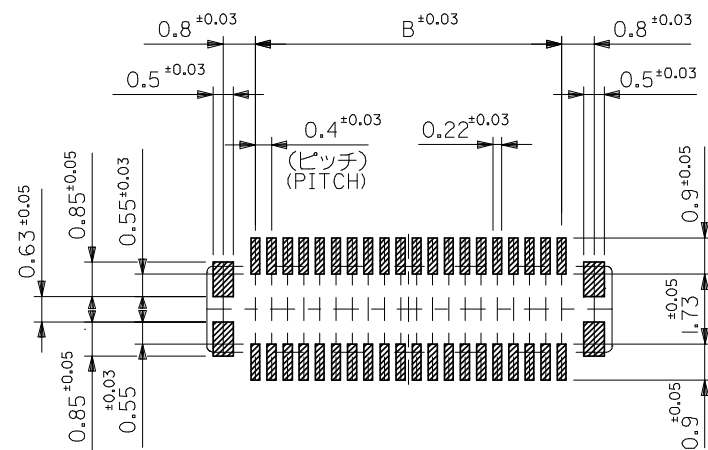
Packaging Specification	SPK-55909-001
Product Specification	PS-51338-002, RPS-500913-003, RPS-500913-005, RPS-51338-001, RPS-51338-002, RPS-51338-005, RPS-51338-007, RPS-51338-008, RPS-51338-012, RPS-51338-013, RPS-51338-018, RPS-51338-019, RPS-51338-020, RPS-51338-022, RPS-51338-025, RPS-51338-027, RPS-51338-030, RPS-51338-031, RPS-55909-001
Sales Drawing	SD-55909-003, SD-55909-004

This document was generated on 05/27/2010

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嵌合断面図 (参考)
MATED DRAWING (REFERENCE)



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

REVISED	EC NO. J2009-0301 DRWN:MABEI CHKD:THARUYAMA APPR:NUKITA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			10 UNDER	± 0.2	DRAWN BY DATE HSHIMABUKURO 2004/02/20		TITLE 0.4 B-TO-B CONN. PLUG ASSY (HGT=1.5) WITH NAIL -LEAD FREE-			
			10 OVER 30 UNDER	± 0.25	CHECKED BY DATE K. TOJO 2004/02/20					
			30 OVER	± 0.3	APPROVED BY DATE M. SASAO 2004/02/20		MOLEX INCORPORATED			
			ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-55909-003		2 OF 2	
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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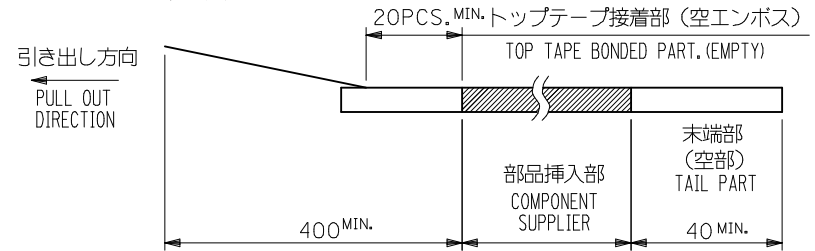
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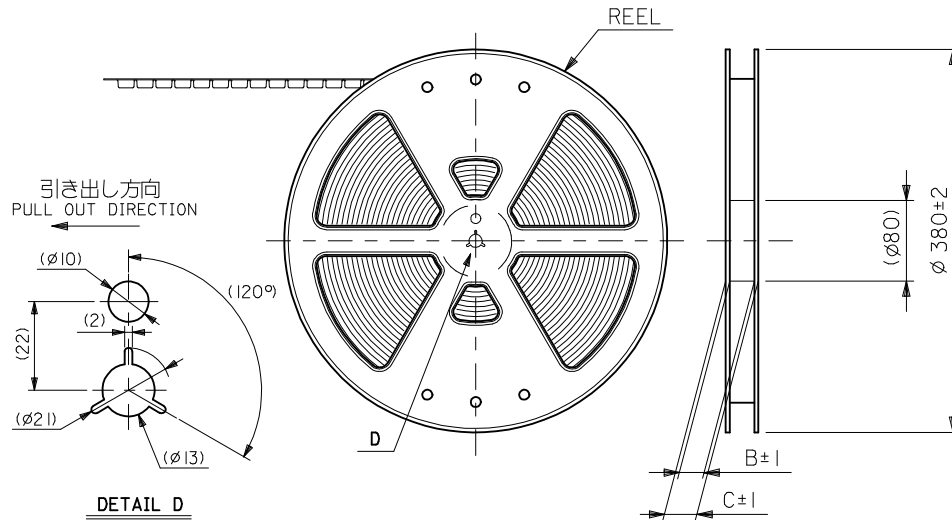
CONFIDENTIAL

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



- 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>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- ELV 及び RoHS 適合品。
ELV AND RoHS COMPLIANT.



REVISED EC NO: J2010-0487 DRWN:TKA IHO 2009/09/18 CHKD:SMARUYAMA 2009/09/18 APPR:MSASAO 2009/09/18	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY H. SHIMAB	DATE 2004/02/20	TITLE 0.4 B-T-O-B CONN PLUG ASSY(HGT=1.5) EMBSTP PKG				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	DATE 2004/02/20					
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/02/20	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-55909-004		1 OF 5		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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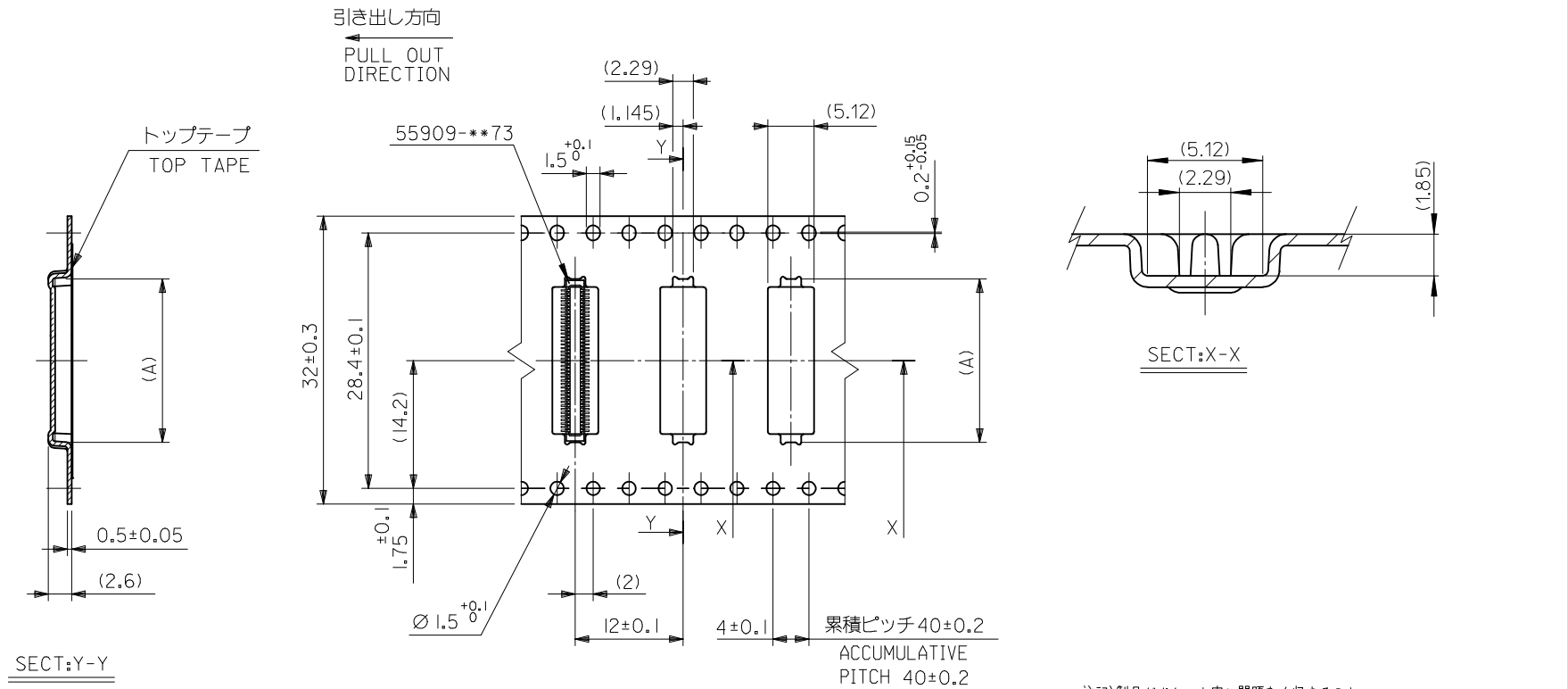
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EN-02JA(021)

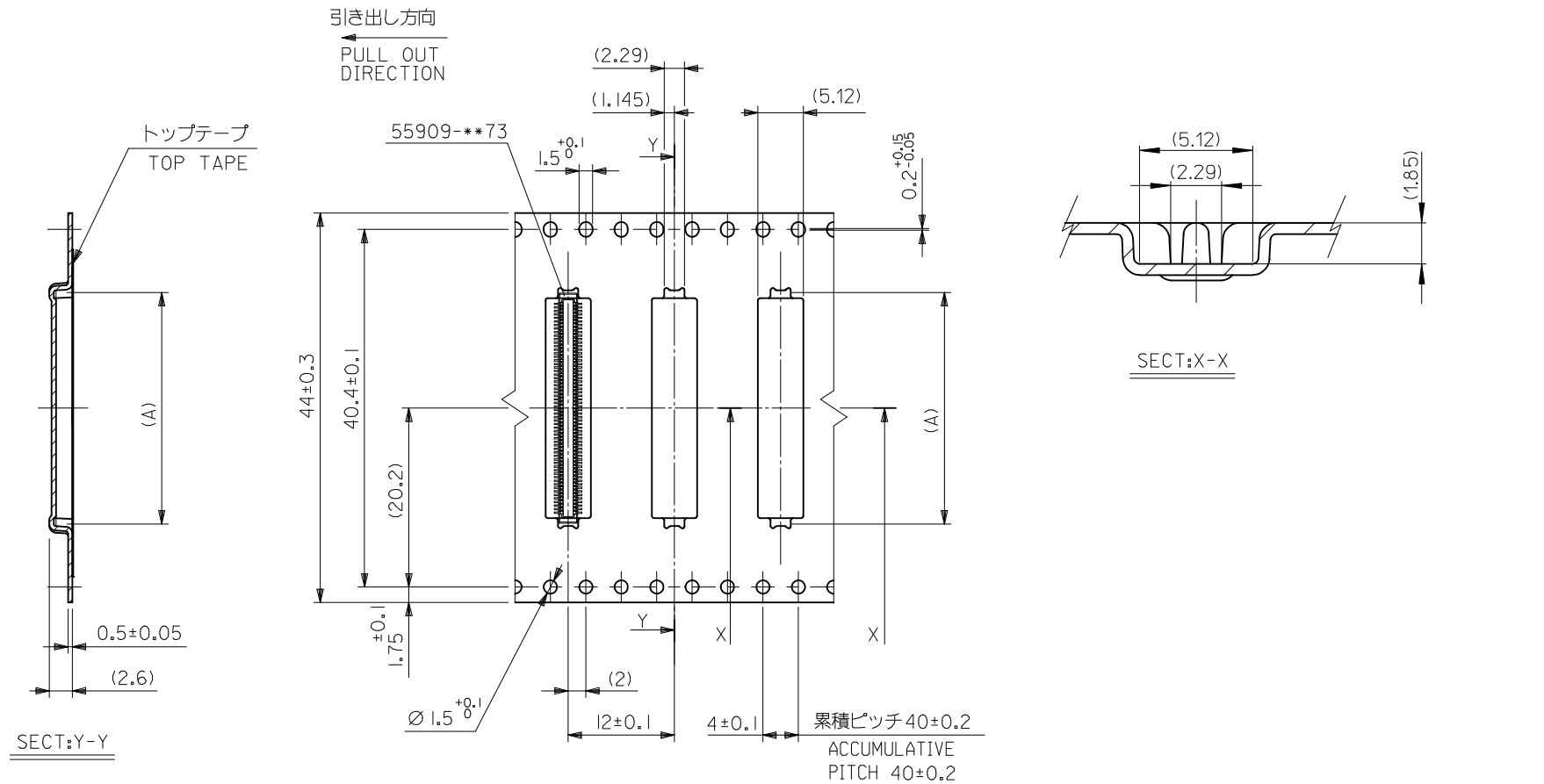


注記) 製品がポケット内に問題なく収まること。
NOTE. Pocket should contain product smoothly.

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	37.4	33.4	19.16	55909-0974	90
			18.16	55909-0874	80
			16.16	55909-0774	70
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2010-0487 DRWN:TKA IHO CHKD:SMRUYAMA APPR:MSASAO 2009/09/18 2009/09/18 2009/09/18	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY H. SHIMAB	DATE 2004/02/20	TITLE 0.4 B-TO-B CONN PLUG ASSY(HGT=1.5) EMBSTP PKG				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE 2004/02/20					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2004/02/20	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



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44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

44	49.4	45.4	22.16	55909-1074	100
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

55909-***74 MODEL NO.

DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

REVISED
EC NO: J2010-0487
DRWN:TKA IHO
CHKD:SMARUYAMA
APPR:MSASAO

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

DRAWN BY	DATE
H. SHIMAB	2004/02/20
CHECKED BY	DATE
K. TOJO	2004/02/20
APPROVED BY	DATE
M. SASAO	2004/02/20
MATERIAL NO.	

SCALE

TITLE

0.4 B-T-O-B CONN PLUG
ASSY(HGT=1.5) EMBSTP PKG

molex

MOLEX INCORPORATED

DOCUMENT NO.

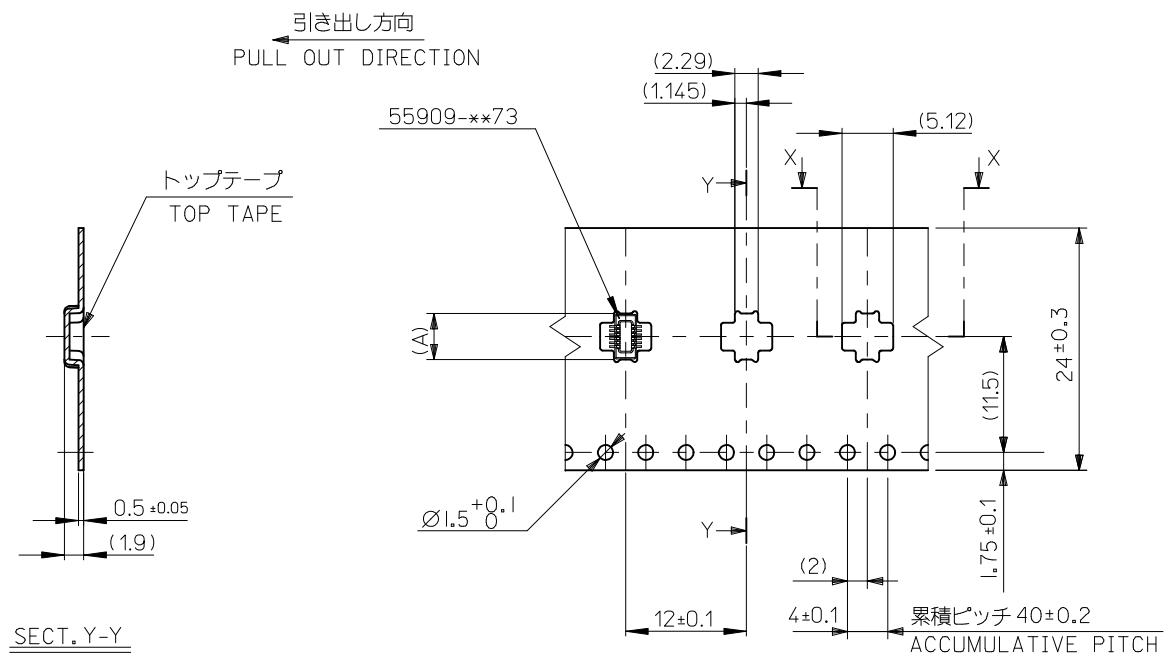
SD-55909-004

SHEET NO.

4 OF 5

SEE CHART

SIZE
A3THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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24	29.4	25.4	4.56	55909-9974	12
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	CKT

REVISED EC NO: J2010-0487 DRWN:TKA IHO 2009/09/18 CHKD:SMRUYAMA 2009/09/18 APPR:MSASAO 2009/09/18	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
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		ANGULAR ±3 °		MATERIAL NO.					DOCUMENT NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-55909-004			5 OF 5
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							