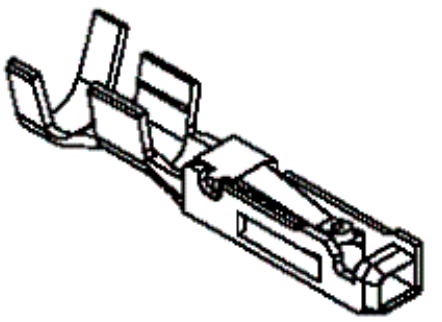
This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 5016481000
Status: Active
Overview: igrid
Description: 2.00mm (.079") Pitch iGrid™ Wire-to-Board Crimp Terminal, Female, 26-28 AWG, Reel



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-501646-001 (PDF)

General

Product Family	Crimp Terminals
Series	501648
Crimp Quality Equipment	Yes
Overview	igrid
Product Name	iGrid™

Physical

Durability (mating cycles max)	30
Gender	Receptacle
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	0.85-1.40 (.033-.055")
Wire Size AWG	26, 28
Wire Size mm²	0.079-0.136

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-501646-001, RPS-501646-001, RPS-501646-002, RPS-501646-006, RPS-501646-007
Sales Drawing	SD-501648-001

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
501648Series

Mates With
501645 Vertical Header . 501676 Right Angle Header

Use With
501646 Receptacle Housing

Application Tooling | **FAQ**

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

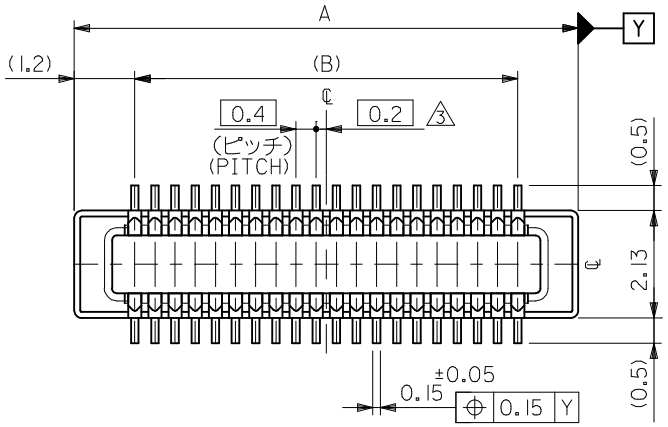
Global

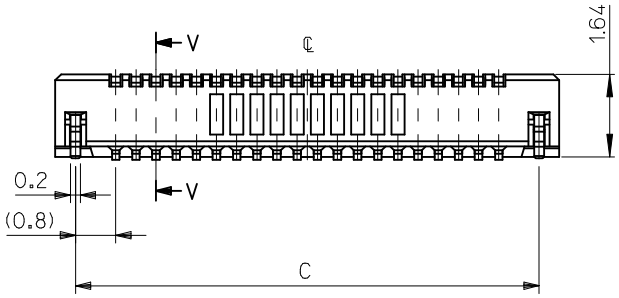
Description	Product #
Manual Extraction Tool	0638131500
Hand Crimp Tool for 2.00mm (.079") Pitch iGrid™ Wire-to-Board Crimp	0638192400

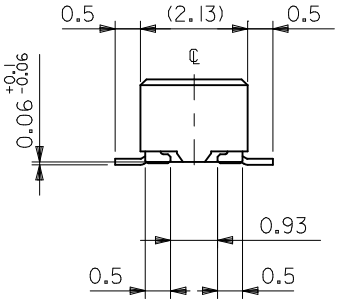
Terminals, 26-28 AWG	
T2 Terminator Tooling Die	0638518100
FineAdjust™ Applicator	0638618100

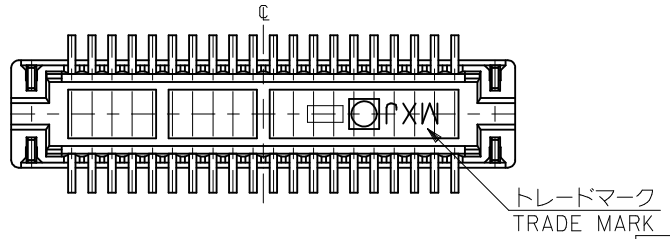
Japan

Description	Product #
Applicator for M211A Bench Press, 22-26 AWG, for 501647 and 501648 Crimp Terminal	5780213000
Side-Feed Applicator for Fully-Auto Machine, 22-26 AWG, for 501647 and 501648 Crimp Terminal	5780213200
Hand Crimp Tool - Straight Action	5780215400







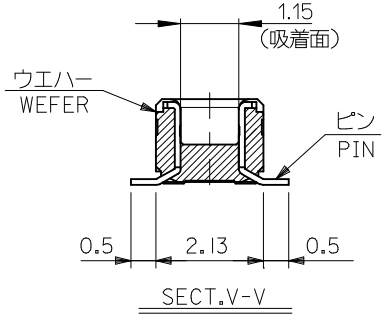


注記 NOTES:

1. 使用材料 MATERIAL
   ウエハー：液晶ポリマー（ＬＣＰ） ガラス充填 ＵＬ９４Ｖ－０（黒）
   WAFER: LIQUID CRYSTAL POLYMER(GLASS FILLED) UL94V-0 (COLOR:BLACK)
   ピン：黄銅（ｔ＝０．１２）
   PIN: BRASS (t=0.12)
   金具：リン青銅（ｔ＝０．２）
   FITTING NAIL: PHOSPHOR BRONZE (t=0.2)
2. メッキ仕様 PLATING
   ピン PIN
   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
   金具 FITTING NAIL
   錫メッキ 1.0 マイクロメートル以上
   TIN PLATING 1.0MICROMETER 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 1.0MICROMETER MINIMUM

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

4. 嵌合相手：５１３３８シリーズ、５００９１３シリーズ
   MATE WITH : 51338 SERIES, 500913SERIES.
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 0.1 MAXIMUM
6. ELV 及び RoHS 適合品
   ELV AND RoHS COMPLIANT.



–	O	17.2	15.6	18.0	501745-0801	80
O	O	13.2	11.6	14.0	501745-0601	60
O	O	11.2	9.6	12.0	501745-0501	50
O	O	9.2	7.6	10.0	501745-0401	40
–	O	8.0	6.4	8.8	501745-0341	34
2.3	2.0	C	B	A	EMBOSSED PACKAGE	CKT.
MATED HEIGHT					ORDER NO. オーダー番号	

CONNECTOR SERIES No. 501745-***0

REVISED
EC NO: J2010-0060 2009/08/07
DRWN:MTAKAHASHI03 2009/08/17
CH'KD:THARUYAMA 2009/08/17
APPR:MSASAO
DESCRIPTION
REV

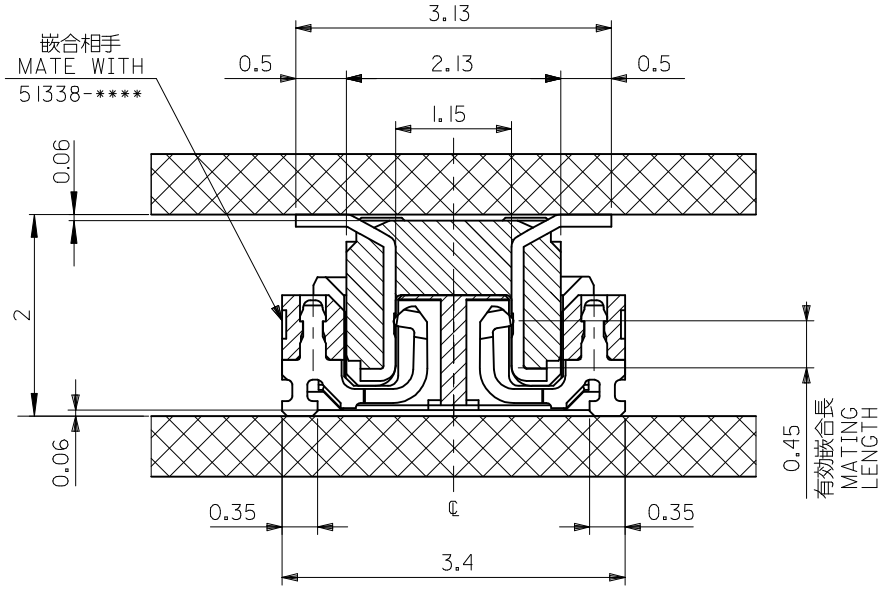
GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

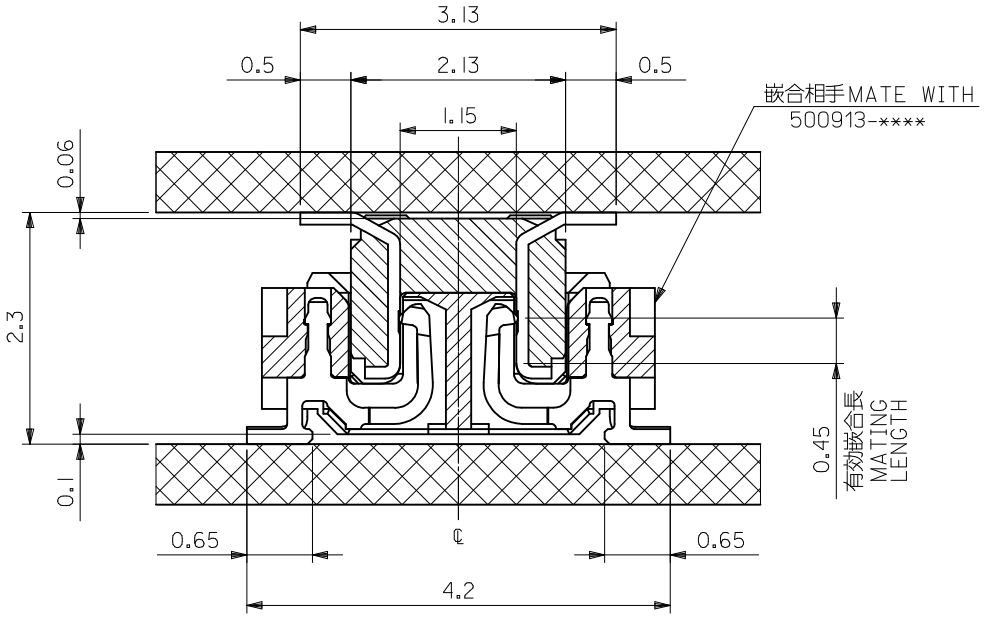
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	K.SAITO
DATE	2007/03/01
CHECKED BY	K.KASAHARA
DATE	2007/03/01
APPROVED BY	N.UKITA
DATE	2007/03/01
MATERIAL NO.	SEE TABLE
TITLE	0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) WITH NAIL
	MOLEX INCORPORATED
DOCUMENT NO.	SD-501745-001
SHEET NO.	1 OF 2
SIZE	A3

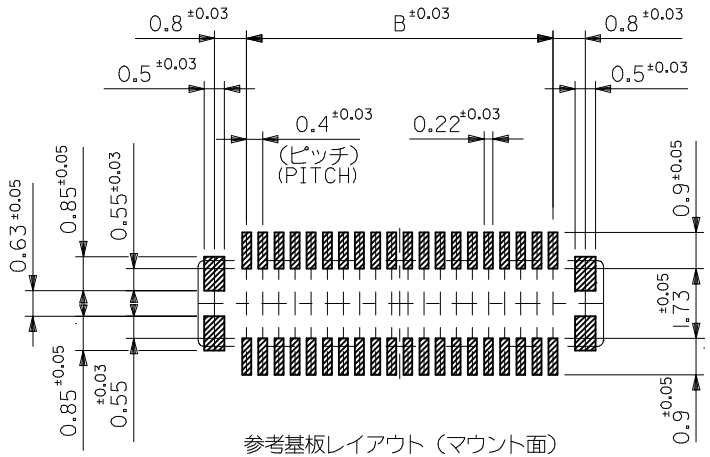
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嵌合断面図（参考）
MATED DRAWING (REFERENCE)



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: J2010-0060
DRWN:MTAKAHASHI03 2009/08/07
CH'KD:THIRATA 2009/08/17
APPR:MSASAO 2009/08/17
DESCRIPTION
REV
C

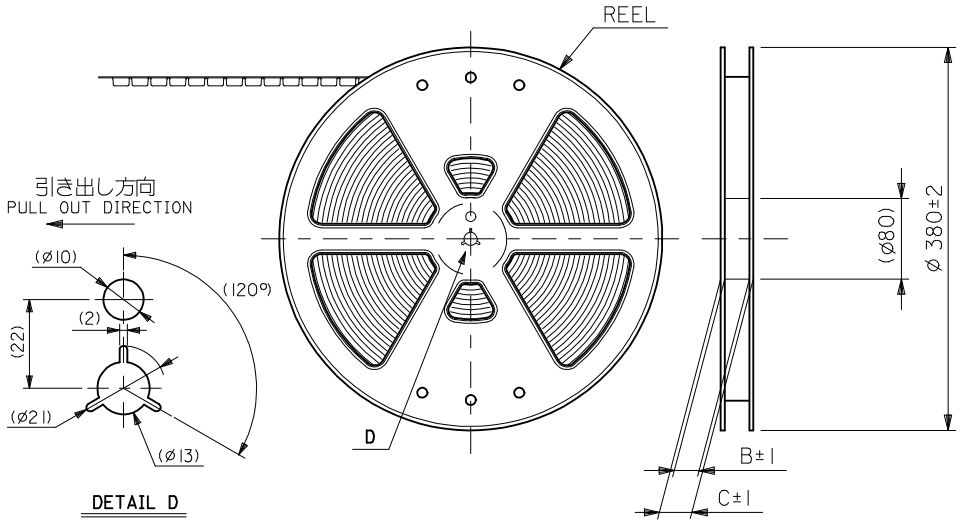
GENERAL TOLERANCES (UNLESS SPECIFIED)

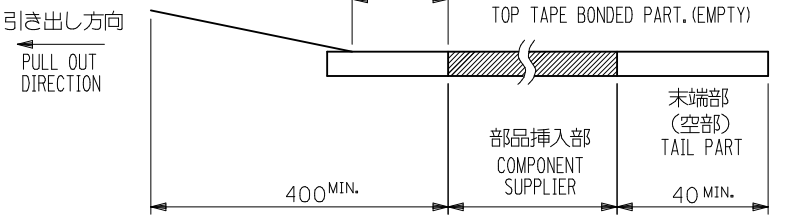
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	K.SAITO 2007/03/01
CHECKED BY / DATE	K.KASAHARA 2007/03/01
APPROVED BY / DATE	N.UKITA 2007/03/01
MATERIAL NO.	SEE SHEET1
CONNECTOR SERIES No.	501745-***0
TITLE	0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) WITH NAIL
	MOLEX INCORPORATED
DOCUMENT NO.	SD-501745-001
SHEET NO.	2 OF 2
SIZE	A3

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NOTES

1. 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.
2. 梱包数量：２５００個／リール
   NUMBER OF CONNECTORS ：2500PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH
4. 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>
5. ELV 及び RoHS 適合品
   ELV AND RoHS COMPLIANT.

CONNECTOR SERIES No. 501745-***1

REVISED
EC NO: J2010-0060
DRWN:MTAKAHASHI03 2009/08/07
CH'KD:THIRATA 2009/08/17
APPR:MSASAO 2009/08/17
DESCRIPTION
REV

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: K.SAITO DATE: 2007/03/01
CHECKED BY: K.KASAHARA DATE: 2007/03/01
APPROVED BY: N.UKITA DATE: 2007/03/01

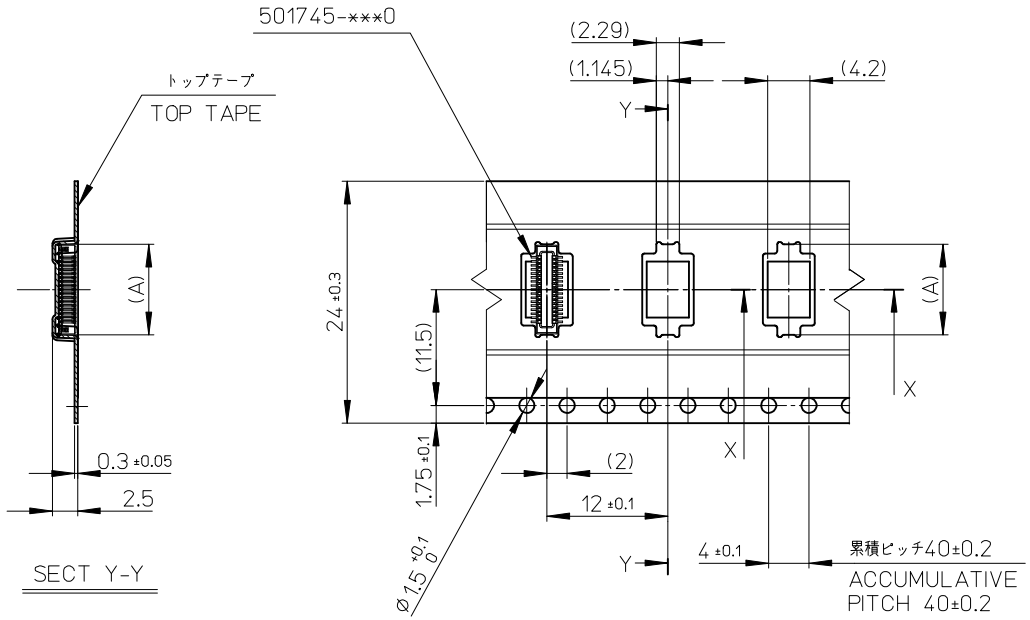
TITLE: 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) EMBSTP PKG

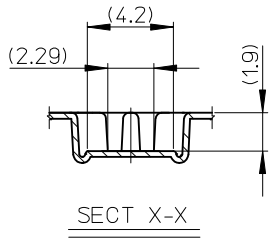
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-501745-002
SHEET NO.: 1 OF 3
SIZE: A3

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引き出し方向
PULL OUT DIRECTION





24	29.4	25.4	14.16	501745-0601	60
			12.16	501745-0501	50
			10.16	501745-0401	40
			8.96	501745-0341	34
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	EMBOSSED PACKAGE ORDER NO.	極数 CKT.

CONNECTOR SERIES No. 501745-***1

REVISED
EC NO: J2010-0060 2009/08/07
DRWN:MTAKAHASHI03 2009/08/17
CH'KD:THIRATA 2009/08/17
APPR:MSASAO
DESCRIPTION
REV. C

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

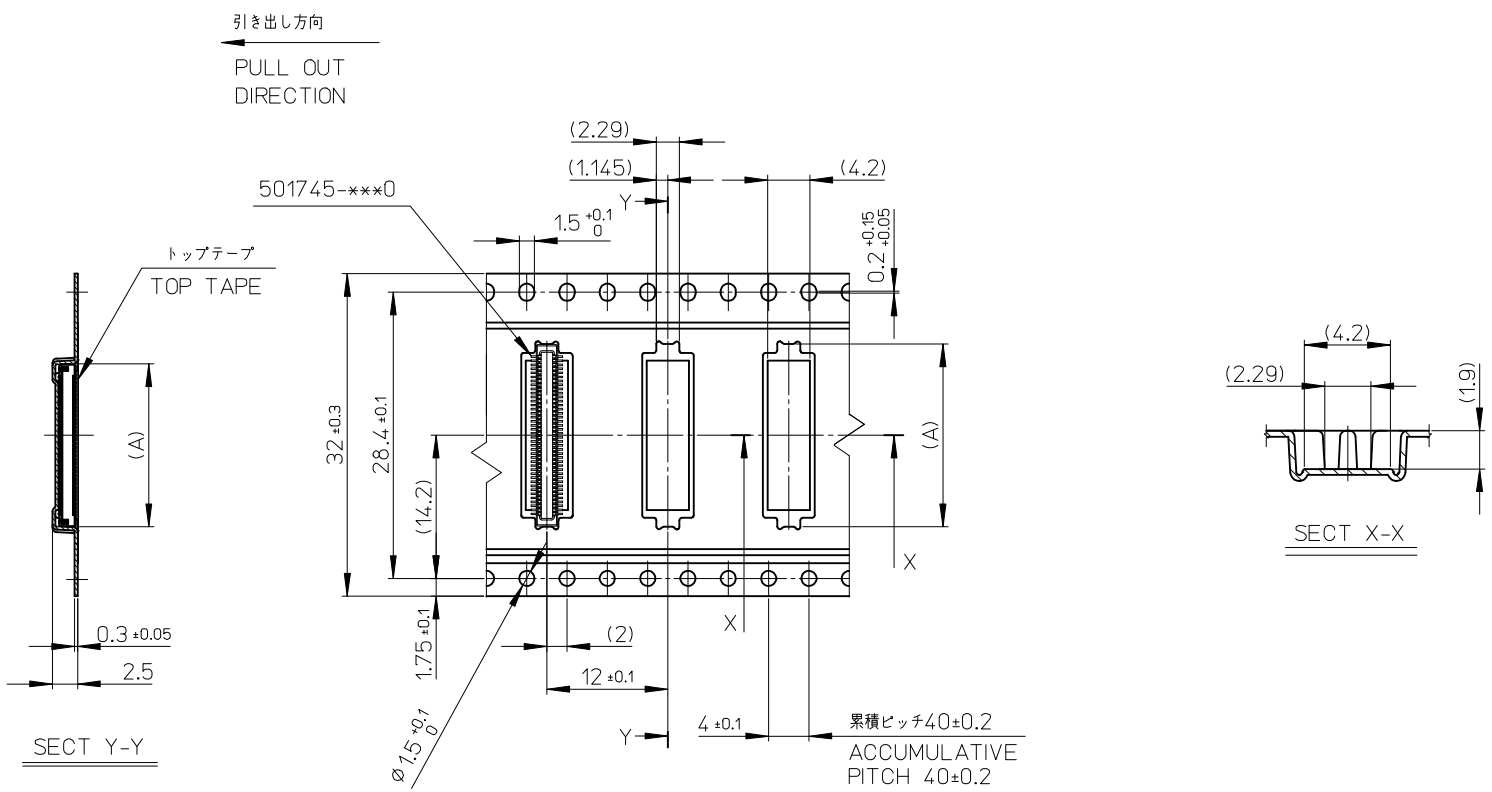
DRAWN BY: K.SAITO DATE: 2007/03/01
CHECKED BY: K.KASAHARA DATE: 2007/03/01
APPROVED BY: N.UKITA DATE: 2007/03/01

TITLE: 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) EMBSTP PKG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-501745-002
SHEET NO.: 2 OF 3
SIZE: A3

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32	37.4	33.4	18.16	501745-0801	80
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	EMBOSSED PACKAGE ORDER NO.	極数 CKT.

CONNECTOR SERIES No. 501745-***1

REVISED
EC NO: J2010-0060 2009/08/07
DRWN:MTAKAHASHI03 2009/08/17
CH'KD:THIRATA 2009/08/17
APPR:MSASAO

DESCRIPTION

REV: C

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: K.SAITO DATE: 2007/03/01
CHECKED BY: K.KASAHARA DATE: 2007/03/01
APPROVED BY: N.UKITA DATE: 2007/03/01

TITLE: 0.4 B-TO-B CONN. PLUG ASSY (HGT=2/2.3) EMBSTP PKG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-501745-002
SHEET NO.: 3 OF 3
SIZE: A3

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Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709