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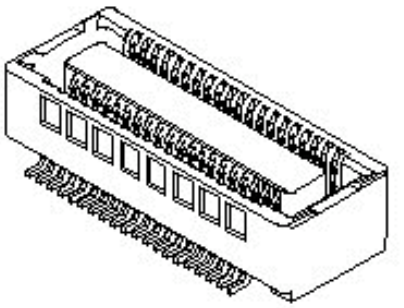
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0546841204

Status: Active

Description: 0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, 3.50mm (.138") Stacking Height, 120 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-54684-006 (PDF)
Product Specification PS-54684-008 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	54684
Application	Board-to-Board
Product Name	SlimStack™

Physical

Circuits (Loaded)	120
Color - Resin	Brown
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Mated Height (in)	0.138 In
Mated Height (mm)	3.50 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
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
Plating min: Mating (µin)	4
Plating min: Mating (µm)	0.1
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Polarized to PCB	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-25°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.3A
Voltage - Maximum	30V

Material Info

Reference - Drawing Numbers

Product Specification	PS-54684-006, PS-54684-008, RPS-54684-013, RPS-54684-015, RPS-54684-016, RPS-54684-017, RPS-54684-021
Sales Drawing	SD-54684-011, SD-54684-012

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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

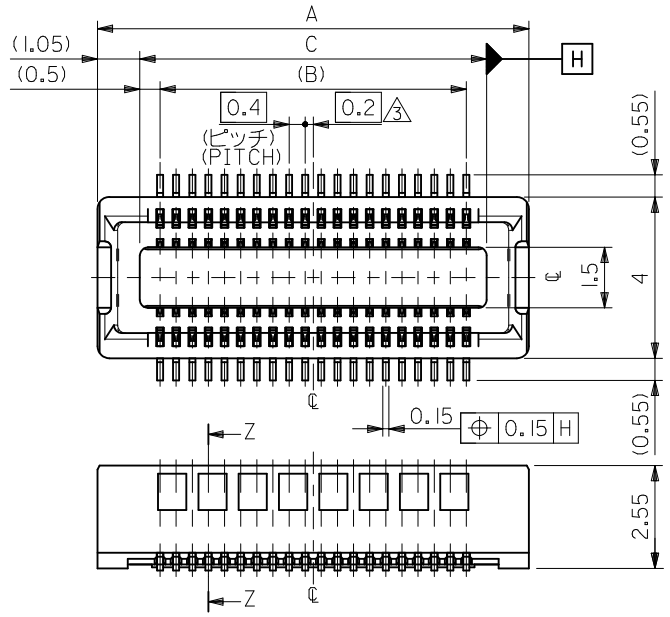
Please visit the Contact Us section for any non-product compliance questions.

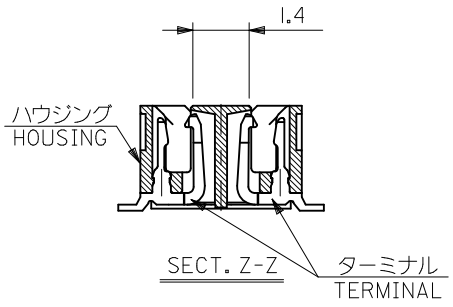
Search Parts in this Series
54684Series

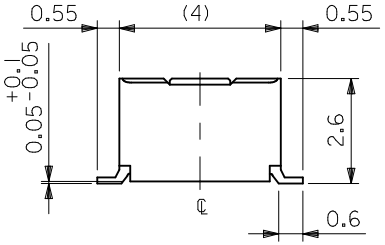
Mates With
55526 PCB Header

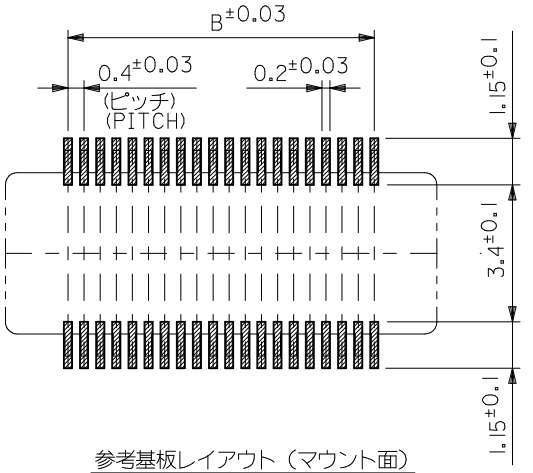
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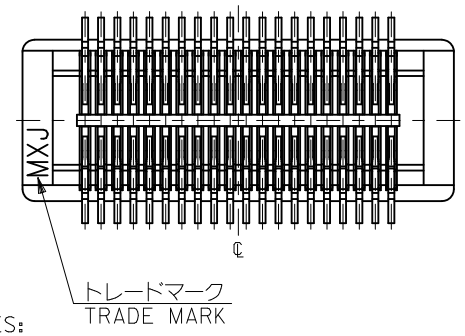








参考基板レイアウト（マウント面）
P.C.BOARD
PATTERN DIMENSION (REF.)
(MOUNTING AREA)



C	B	A	MATERIAL NO.	CIRCUIT
24.6	23.6	26.7	54684-1203	120
20.6	19.6	22.7	54684-1003	100
18.6	17.6	20.7	54684-0903	90
16.6	15.6	18.7	54684-0803	80
14.6	13.6	16.7	54684-0703	70
12.6	11.6	14.7	54684-0603	60
10.6	9.6	12.7	54684-0503	50
5.4	4.4	7.5	54684-0243	24

MODEL NO. 54684-***3

注記 NOTES:

1. 使用材料 MATERIAL
   ハウジング：液晶ポリマー　ガラス充填 UL94V-0 茶色
   HOUSING:LIQUID CRYSTAL POLYMER
   GLASS FILLED UL94V-0
   COLOR BROWN
   ターミナル：リン青銅（t＝0.15）
   TERMINAL:PHOSPHOR BRONZE(t=0.15)
2. メッキ仕様 PLATING
   金メッキ 0.10 マイクロメートル以上（コンタクト部）
   GOLD 0.10 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 1.5MICROMETER 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 PART AND THE TAIL PART BY THE NICKEL PLATING.

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

4. 嵌合相手：55526シリーズ、501017シリーズ。
MATE WITH : 55526 SERIES AND 501017 SERIES.

5. テール平坦度は、0.08MAX.
TAIL COPLANARITY TO BE 0.08MAX.

REVISED
EC NO: J2010-2361 2010/05/21
DRWN:MKATO 2010/05/24
CH'KD:THIRATA 2010/06/09
APPR:MSASAO
DESCRIPTION
REV D

GENERAL TOLERANCES (UNLESS SPECIFIED)

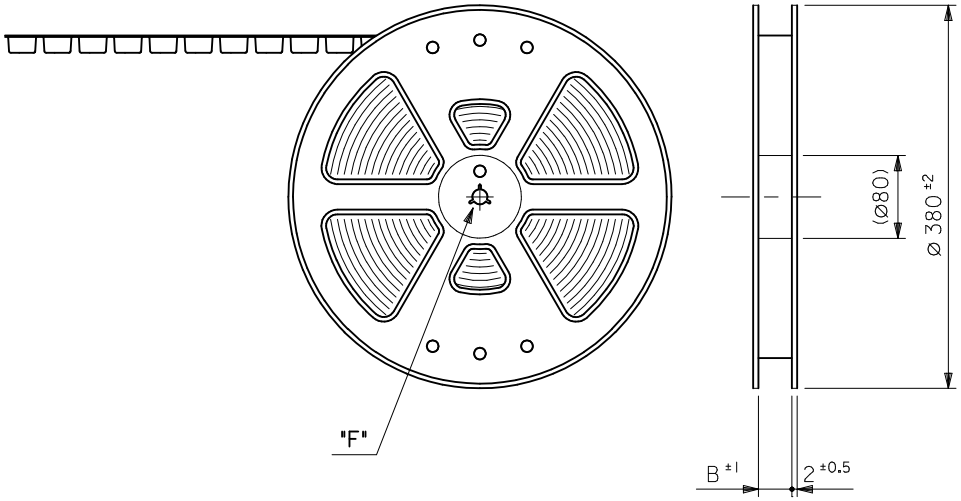
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

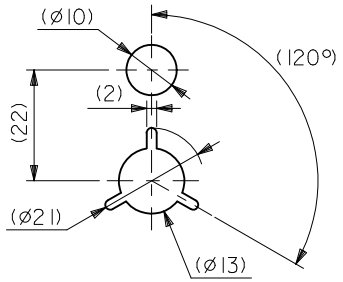
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	T.KAIHO 2003/07/15
CHECKED BY / DATE	T.ITO 2003/07/15
APPROVED BY / DATE	T.YAMAGU 2003/07/15
MATERIAL NO.	SEE CHART
TITLE	0.4BB CONN.REC HSGASSY NO BOSS NI BARRIER -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-54684-011
SHEET NO.	1 OF 1
SIZE	A3

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引き出し方向
PULL OUT
DIRECTION

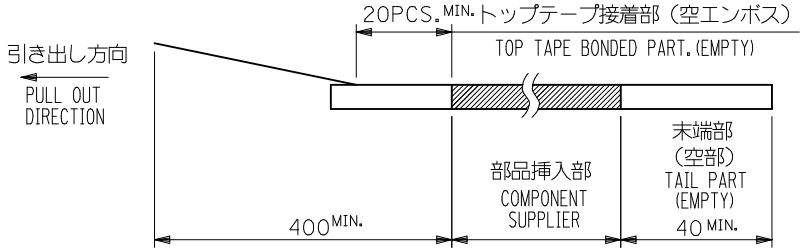




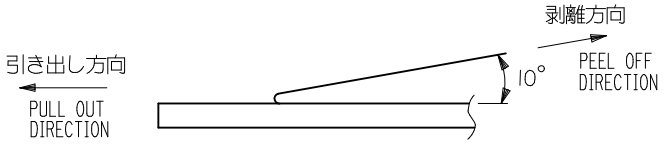
DETAIL "F"

NOTES

1. 製品詳細寸法については図面 SD-54684-011 を参照下さい。
   RE DETAILED DIMENSION, SEE SD-54684-011
2. 梱包数量：１５００個／リール
   NUMBER OF CONNECTORS : 1500PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度：0.1N ～ 0.7N(10.2gf ～ 71.4gf)
   （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 ～0.7N(10.2gf ～ 71.4gf)
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG,)
   THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
   PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



5. 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>
   POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>

REVISED				
E	EC NO: J2010-2361	DRWN:MKATO	CHKD:THIRATA	APPR:MSASAO
REV	DESCRIPTION	2010/05/21	2010/05/24	2010/06/09

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

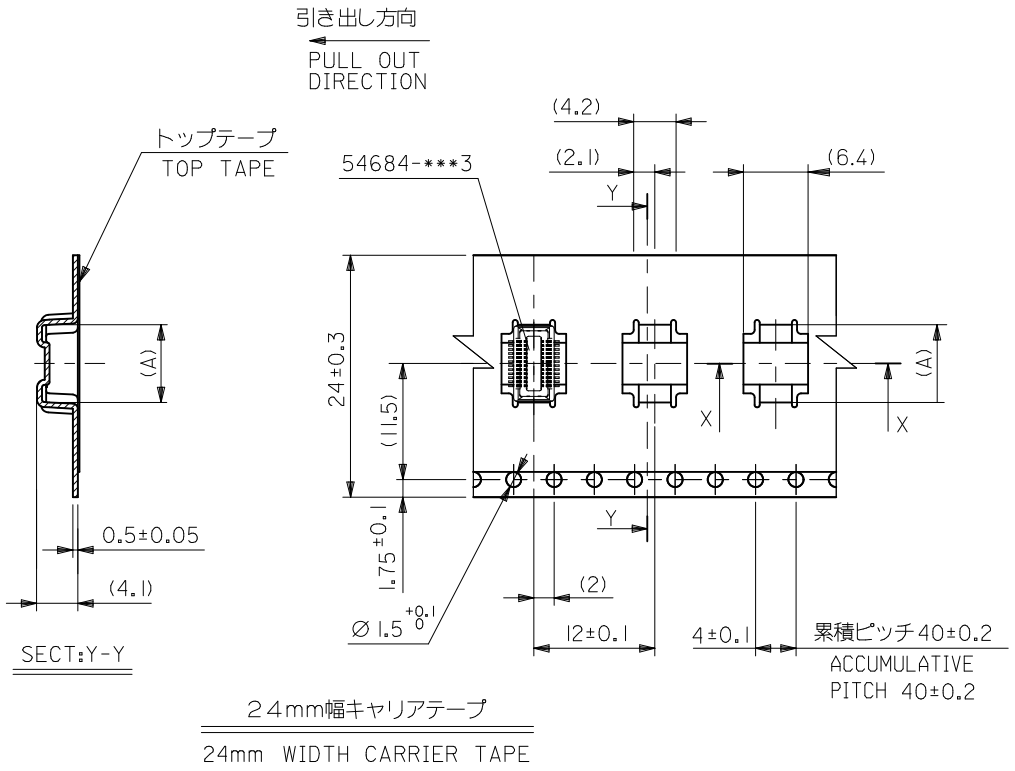
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DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: T.KAIHO	DATE: 2003/07/15	TITLE: 0.4BB CON.EMBSTP PKG FOR 54684-***3 -LEAD FREE-	
CHECKED BY: T.ITO	DATE: 2003/07/15		
APPROVED BY: T.YAMAGU	DATE: 2003/07/15	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE CHART		DOCUMENT NO.: SD-54684-012	SHEET NO.: 1 OF 4

MODEL NO. 54684-***4

SIZE A3

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24mm WIDTH CARRIER TAPE

24	25.5	7.7	54684-0244	24
キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.

MODEL NO. 54684-***4

REVISED
E
EC NO: J2010-2361 2010/05/21
DRWN:MKATO 2010/05/24
CH'KD:THIRATA 2010/06/09
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: T.KAIHO DATE: 2003/07/15
CHECKED BY: T.ITO DATE: 2003/07/15
APPROVED BY: T.YAMAGU DATE: 2003/07/15

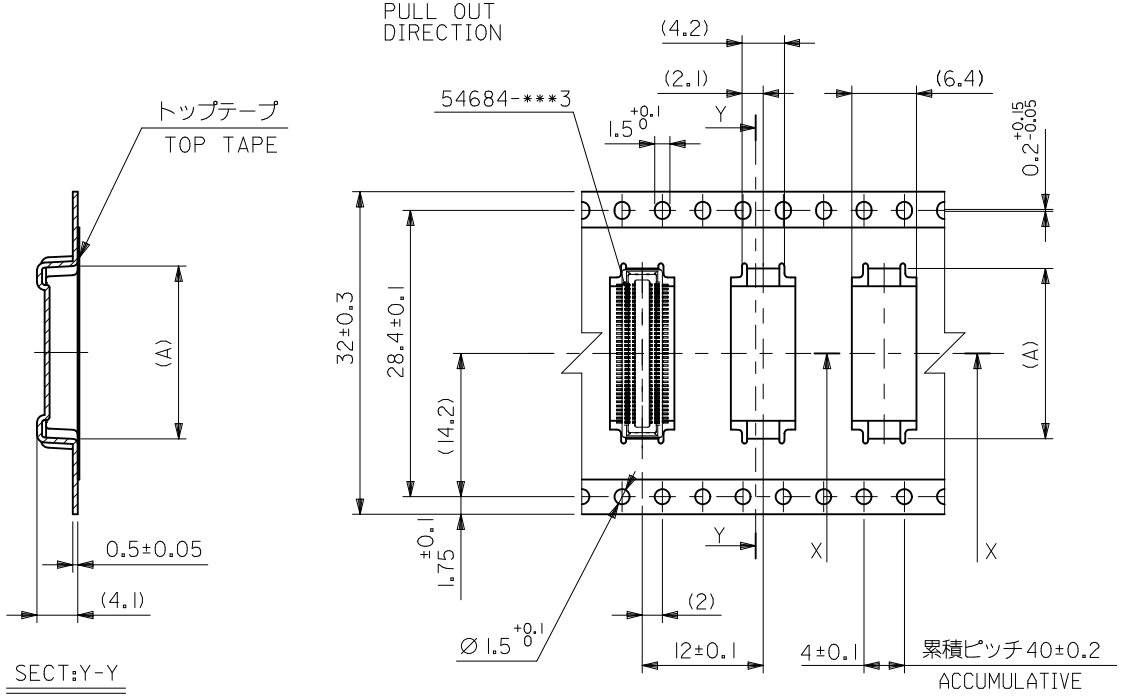
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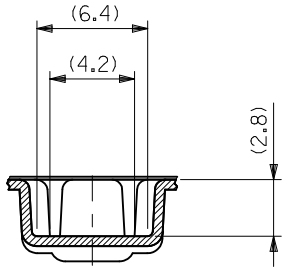
MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-54684-012
SHEET NO.: 2 OF 4
SIZE: A3

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引き出し方向
PULL OUT DIRECTION





32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.
32	33.5	20.9	54684-0904	90
		18.9	54684-0804	80
		16.9	54684-0704	70
		14.9	54684-0604	60
		12.9	54684-0504	50

MODEL NO. 54684-***4

REVISED
E
EC NO: J2010-2361 2010/05/21
DRWN:MKATO 2010/05/24
CH'KD:THIRATA 2010/06/09
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

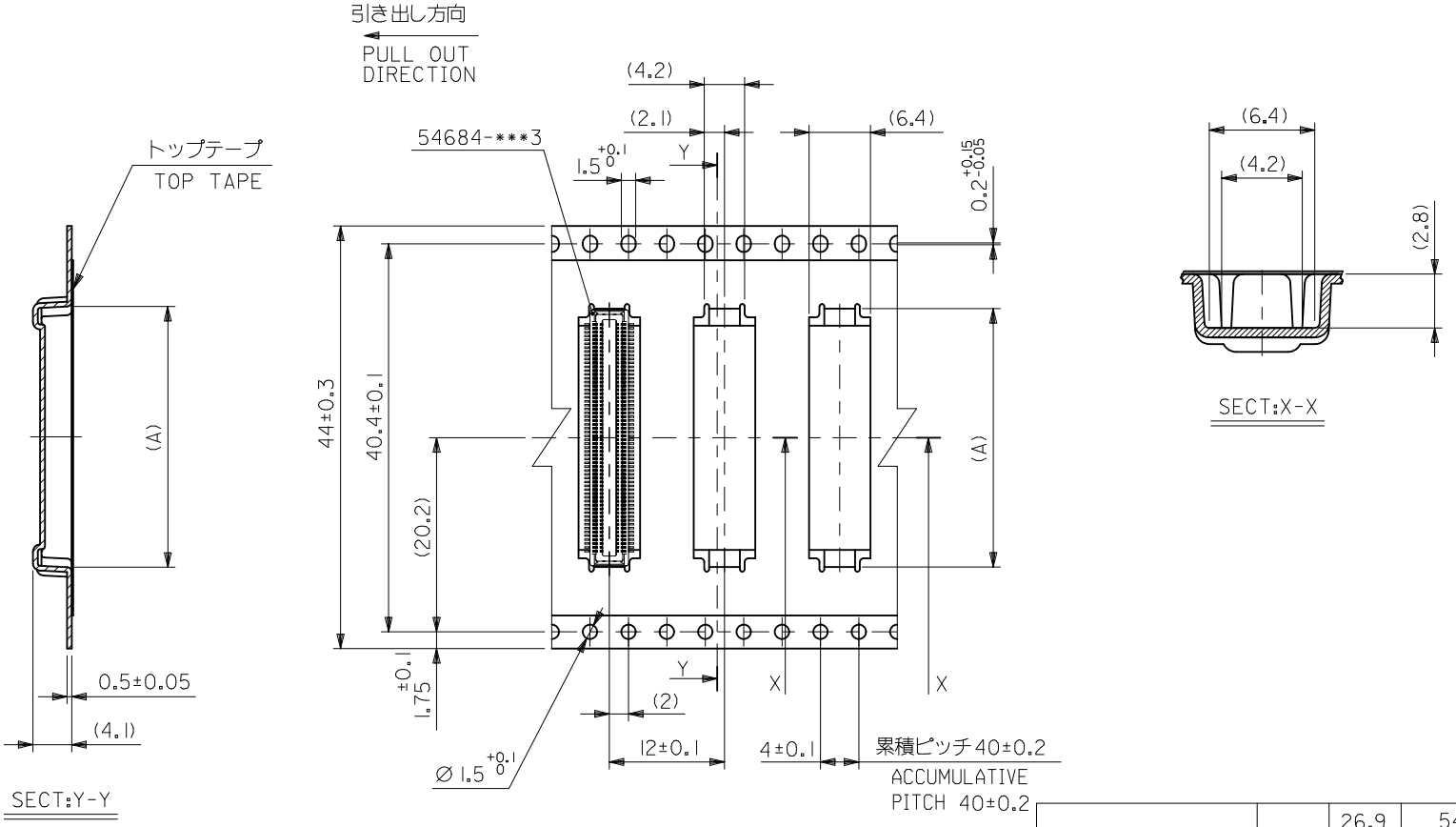
DRAWN BY: T.KAIHO DATE: 2003/07/15
CHECKED BY: T.ITO DATE: 2003/07/15
APPROVED BY: T.YAMAGU DATE: 2003/07/15
MATERIAL NO.: SEE CHART

TITLE: 0.4BB CON.EMBSTP PKG FOR 54684-***3 -LEAD FREE-

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DOCUMENT NO.: SD-54684-012
SHEET NO.: 3 OF 4
SIZE: A3

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44mm幅キャリアテープ

44mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	B	(A)	MATERIAL NO.	極数 CKT.
44	45.5	26.9	54684-1204	120
		22.9	54684-1004	100

MODEL NO. 54684-***4

REVISED
EC NO: J2010-2361 2010/05/21
DRWN:MKATO 2010/05/24
CH'KD:THIRATA 2010/06/09
APPR:MSASAO
DESCRIPTION
REV E

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: T.KAIHO DATE: 2003/07/15
CHECKED BY: T.ITO DATE: 2003/07/15
APPROVED BY: T.YAMAGU DATE: 2003/07/15
MATERIAL NO.: SEE CHART

TITLE: 0.4BB CON.EMBSTP PKG FOR 54684-***3 -LEAD FREE-

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DOCUMENT NO.: SD-54684-012
SHEET NO.: 4 OF 4

SIZE A3

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