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Part Number:

0536270474

Status:

Active

Overview:

slimstack_0635mm_025_pitch

Description:

0.635mm (.025") Pitch SlimStack™ Header, Surface Mount, Dual Row, Vertical Stacking, 10.00 and 16.00mm (.394 and .630") Stacking Heights, Lead-free, 40 Circuits, with Embossed Tape with Cover Packaging

Documents:

3D Model

Drawing (PDF)

Product Specification PS-52760-015 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

MolexKits

Overview

Product Name

PCB Headers

53627

Board-to-Board

Stacking-Type

Yes

slimstack_0635mm_025_pitch

SlimStack™

Physical

Breakaway

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to PCB

Robotic Placement

Shrouded

Temperature Range - Operating

Termination Interface: Style

No

40

Brown

50

No

No

No

None

Yes

0.394 In, 0.630 In

10.00 mm, 16.00 mm

Copper Alloy, Phosphor Bronze, Stainless Steel

Gold

Tin

2

Vertical

Yes

Yes

Embossed Tape on Reel

0.025 In

0.64 mm

Yes

Metal Cap

Fully

-55°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

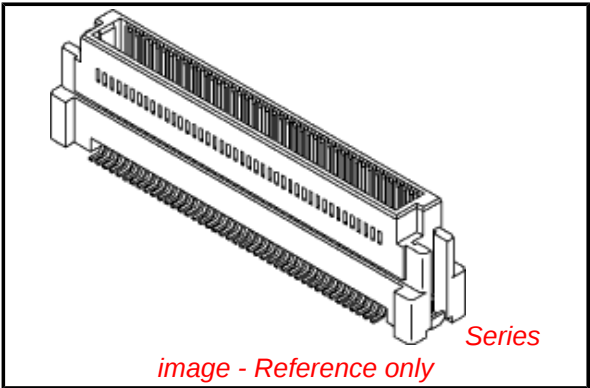
100V

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-53627-001



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

53627Series

Mates With

SlimStack™ Receptacle [52760](#) , [52837](#) , [52885](#) , [52901](#)

Product Specification

PS-52760-015, RPS-52760-017, RPS-52760-018,
RPS-52760-020, RPS-52760-021, RPS-52760-025,
RPS-52760-028, RPS-52760-029, RPS-52885-007,
RPS-52885-008, RPS-52885-009
SD-53627-001, SD-53627-002

Sales Drawing

This document was generated on 06/07/2010

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F

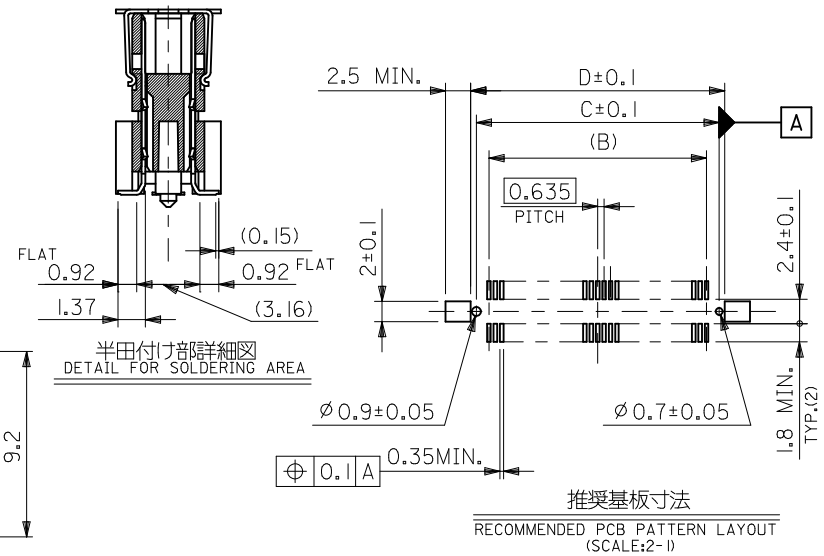
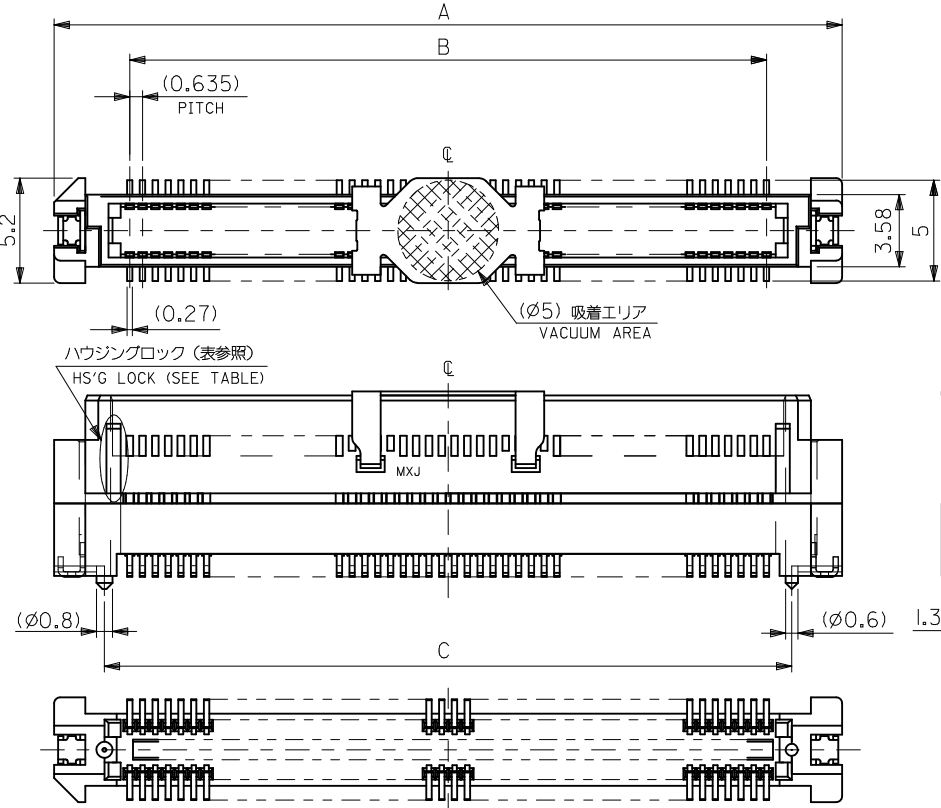
E

D

C

B

A



NOTES

1. 材質
MATERIAL
ハウジング: ガラス入りPPS、茶色、UL94V-0
HOUSING: POLYPHENYLENE SULFIDE, GLASS FILLED, BROWN, UL94V-0
ターミナル: 銅合金 (t=0.2)、ニッケルメッキ下地1.5マイクロメートル以上
TERMINAL: COPPER ALLOY, UNDER-PLATING: NICKEL 1.5 MICROMETER MIN.
接点部: 金メッキ 0.25マイクロメートル以上
CONTACT AREA: GOLD 0.25 MICROMETER MIN.
半田付け部: 錫メッキ1.0マイクロメートル以上
SOLDER TAIL AREA: TIN 1.0 MICROMETER MIN.
ネール: リン青銅 (t=0.2)、ニッケルメッキ下地1.0マイクロメートル以上
NAIL: PHOSPHOR BRONZE, UNDER-PLATING: NICKEL 1.0 MICROMETER MIN.
錫メッキ1.0マイクロメートル以上
TIN 1.0 MICROMETER MIN.
吸着カバー: ステンレス (t=0.2)
VACUUM COVER: STAINLESS STEEL

2. テールのバラツキ寸法
TAIL COPLANARITY
テール平坦度は、0.1ミリ以下とする。
TAILS COPLANARITY TO BE 0.1 MILLIMETER MAX.

無し NO	66.47	65.37	62.865	70.37	53627-2074	—	200
	53.77	52.67	50.165	57.67	—	53627-1675	160
	47.42	46.32	43.815	51.32	53627-1474	-1475	140
	41.07	39.97	37.465	44.97	-1274	-1275	120
	34.72	33.62	31.115	38.62	-1074	-1075	100
有り YES	31.55	30.45	27.94	35.45	-0974	-0975	90
	28.37	27.27	24.765	32.27	-0874	-0875	80
	25.2	24.1	21.59	29.1	-0774	-0775	70
	22.02	20.92	18.415	25.92	-0674	-0675	60
	18.85	17.75	15.24	22.75	-0574	-0575	50
ハウジングロック HS'G LOCK	15.67	14.57	12.065	19.57	-0474	-0475	40
	12.5	11.4	8.89	16.4	-0374	-0375	30
	9.32	8.22	5.715	13.22	53627-0274	53627-0275	20
CONNECTOR SERIES No.							53627-**72
EMBOSSED PACKAGE							STICK PACKAGE
極数							CIRCUITS

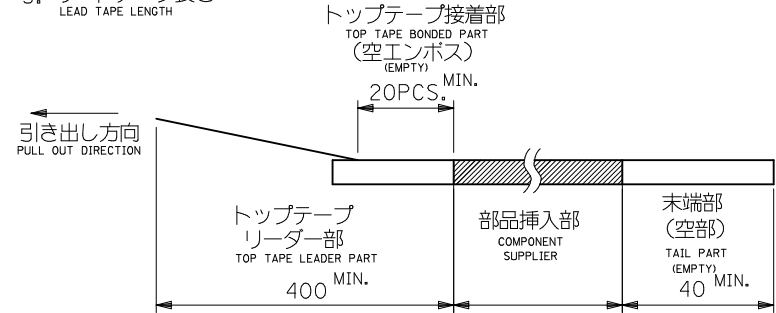
REVISED EC NO: J2010-2/58 DRWN:TKA/HO CHK'D:M. SASAO APPR:MSASAO REV	DESCRIPTION 2010/06/04 2010/06/10 2010/06/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION		
				MM ONLY		---	METRIC				
		10 UNDER	±0.2	DRAWN BY Y. SAKIYAMA	DATE 2004/03/05	TITLE 0.635 PITCH B/B CONN. PLUG HSG COVER ASSY -LEAD FREE-					
		10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE 2004/03/05						
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE 2004/03/05	 MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53627-001 1 OF 1							
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

NOTES

1. 製品番号 53627-**72 の詳細寸法については SD-53627-001 を参照下さい。
IN THE PACKAGE , PART NO. 53627-**72 DETAILED DIMENSIONS , SEE SD-53627-001.

2. 梱包数量 : 700個/リール
NUMBER OF CONNECTORS : 700 PCS/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 (剥離方向は下図参照)
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

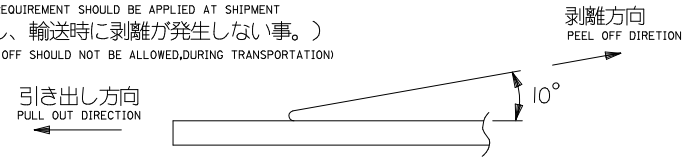
0.1 ~ 1.3N {10 ~ 130gf}

尚、本規格値は、出荷時に適用。

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT

(但し、輸送時に剥離が発生しない事。)

(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION)



5. 材料

MATERIAL

キャリアテープ : ポリプロピレン (PP)

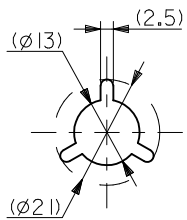
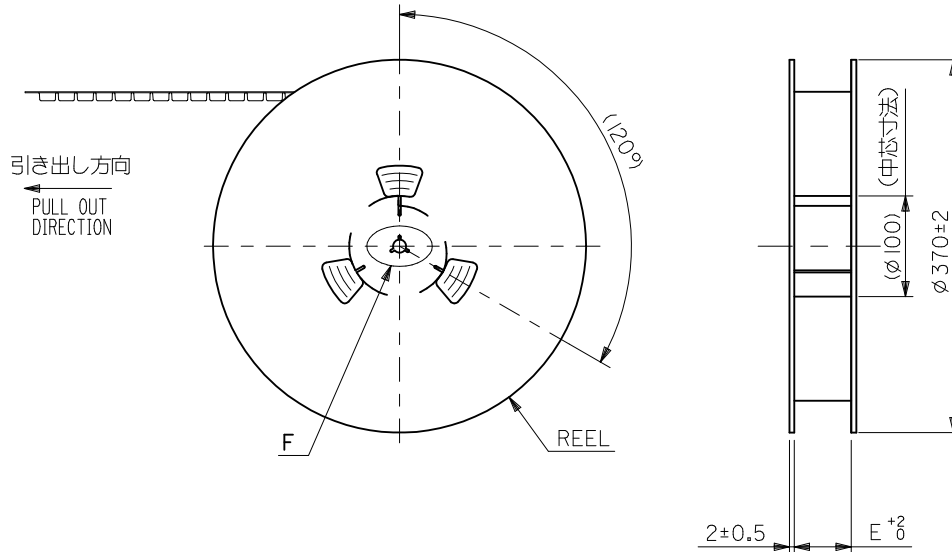
CARRIER TAPE : POLYPROPYLENE (PP)

トップテープ : PET, PE, PEF

TOP TAPE : PET, PE, PEF

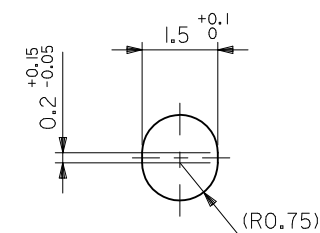
リール : 紙

REEL : CARD BOARD



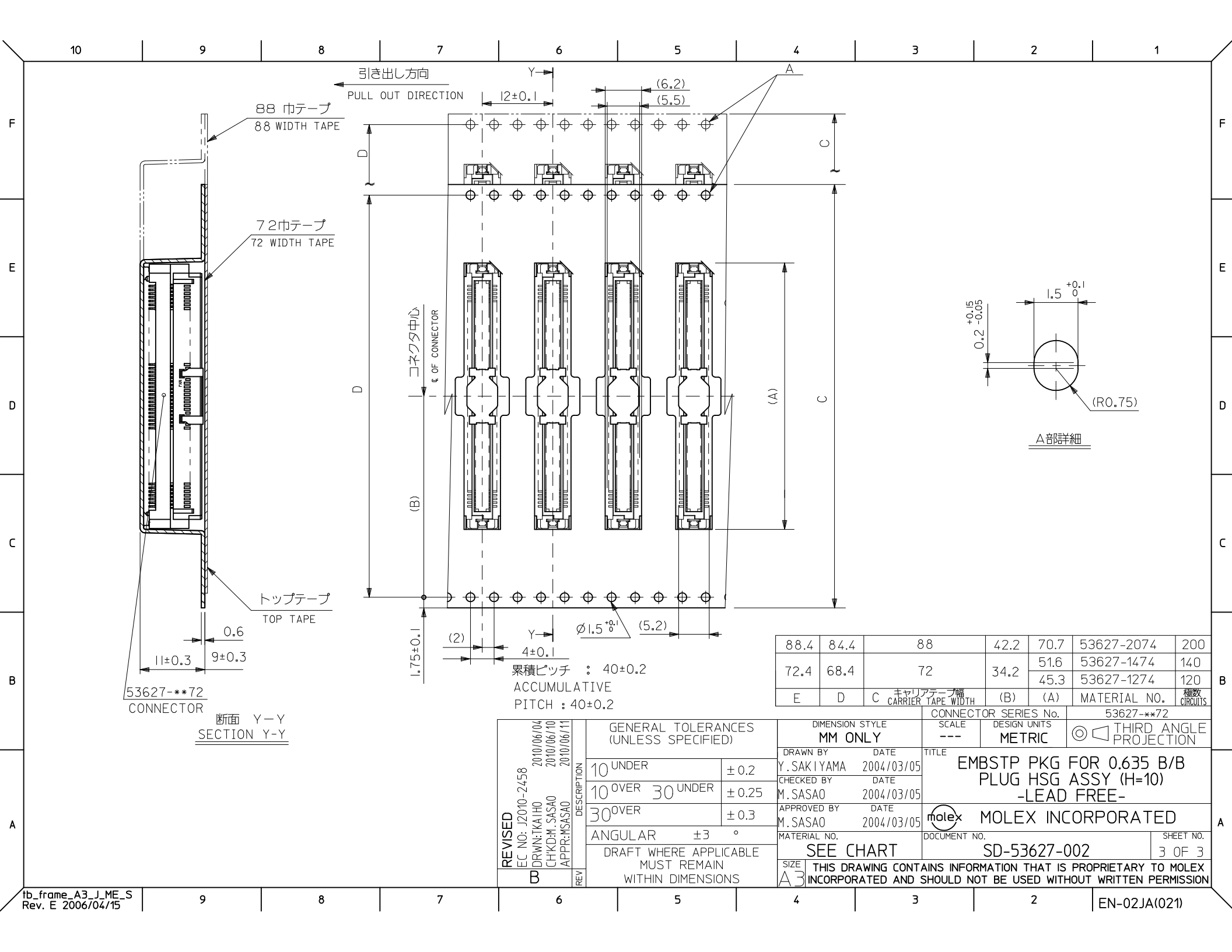
DETAIL F

REVISED	EC NO: J2010-2458 DRWN:TKAHO CHKD:M.SASAO APPR:MSASAO	DESCRIPTION 2010/06/04 2010/06/10 2010/06/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		CONNECTOR SERIES No.		53627-**72	
			10 UNDER ± 0.2		DRAWN BY DATE Y.SAKIYAMA 2004/03/05		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			10 OVER 30 UNDER ± 0.25		CHECKED BY DATE M.SASAO 2004/03/05		TITLE EMBSTP PKG FOR 0.635 B/B PLUG HSG ASSY (H=10) -LEAD FREE-			
			30 OVER ± 0.3		APPROVED BY DATE M.SASAO 2004/03/05					
			ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53627-002			1 OF 3
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



56.4	52.4	56	26.2	38.9	53627-1074	100
				35.8	-0974	90
44.4	40.4	44	20.2	32.6	-0874	80
				29.4	-0774	70
				26.2	-0674	60
				23.1	-0574	50
32.4	28.4	32	14.2	19.9	-0474	40
				16.7	-0374	30
24.4	—#—	24	11.5	13.5	53627-0274	20
E	D	C	(B)	(A)	MATERIAL NO.	極致CIRCUITS

REVISED	EC NO: J2010-2458			2010/06/04		2010/06/10		2010/06/11	
	DRAWN:TKA/HO			CHKD:M.SASAO		APPR:MSASAO			
	DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		CONNECT FOR SERIAL PRG. SCALE --- DESIGN UNITS THIRD ANGLE PROJECTION		
	10 UNDER ± 0.2		DRAWN BY DATE Y.SAKIYAMA 2004/03/05		TITLE EMBSTP PKG FOR 0.635 B/B PLUG HSG ASSY (H=10) -LEAD FREE-				
	10 OVER 30 UNDER ± 0.25		CHECKED BY DATE M.SASAO 2004/03/05						
	30 OVER ± 0.3		APPROVED BY DATE M.SASAO 2004/03/05		MOLEX MOLEX INCORPORATED				
	ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53627-002		2 OF 3			
B	REV	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



53627-***72
CONNECTOR

断面 Y-Y
SECTION Y-Y

累積ピッチ : 40±0.2
ACCUMULATIVE
PITCH : 40±0.2

88.4	84.4	88	42.2	70.7	53627-2074	200
72.4	68.4	72	34.2	51.6	53627-1474	140
				45.3	53627-1274	120
E	D	C	キャリアテープ幅 CARRIER TAPE WIDTH	(B)	(A)	MATERIAL NO. 極数 CIRCUITS

REVISED EC NO: J2010-2458 DRWN:TKAHO CHKD:M.SASAO APPR:MSASAO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		CONNECTOR SERIES NO.		53627-***72			
				MM ONLY		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
		10 UNDER ±0.2		DRAWN BY DATE		TITLE EMBSTP PKG FOR 0.635 B/B PLUG HSG ASSY (H=10) -LEAD FREE-					
		10 OVER 30 UNDER ±0.25		CHECKED BY DATE							
		30 OVER ±0.3		APPROVED BY DATE		MOLEX MOLEX INCORPORATED					
	ANGULAR ±3 °		M.SASAO 2004/03/05		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-53627-002		3 OF 3				
B	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									