

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0543630489

Status:

Active

Description:

0.50mm (.020") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 2.00 and 3.00mm (.079 and .118") Stacking Heights, with Solder Tabs, 40 Circuits, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-54363-046 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Product Name

PCB Receptacles

54363

Board-to-Board

SlimStack™

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Glow-Wire Compliant

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

40

40

Black

30

No

0.079 In

2.00 mm

Phosphor Bronze

Gold

Gold

High Temperature Thermoplastic

2

Vertical

0.000 In

0.00 mm

No

Yes

0.000 In

0.00 mm

Embossed Tape on Reel

0.020 In

0.50 mm

0.020 In

0.50 mm

10

0.25

2

0.05

No

No

No

Yes

-25°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

50V AC (RMS)/DC

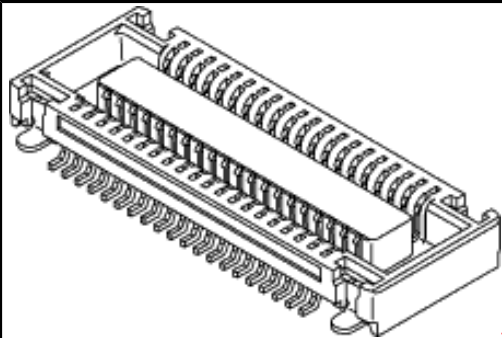


image - Reference onlySeries

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

54363Series

Mates With

55201 PCB Header, 55650 PCB Header

Material Info

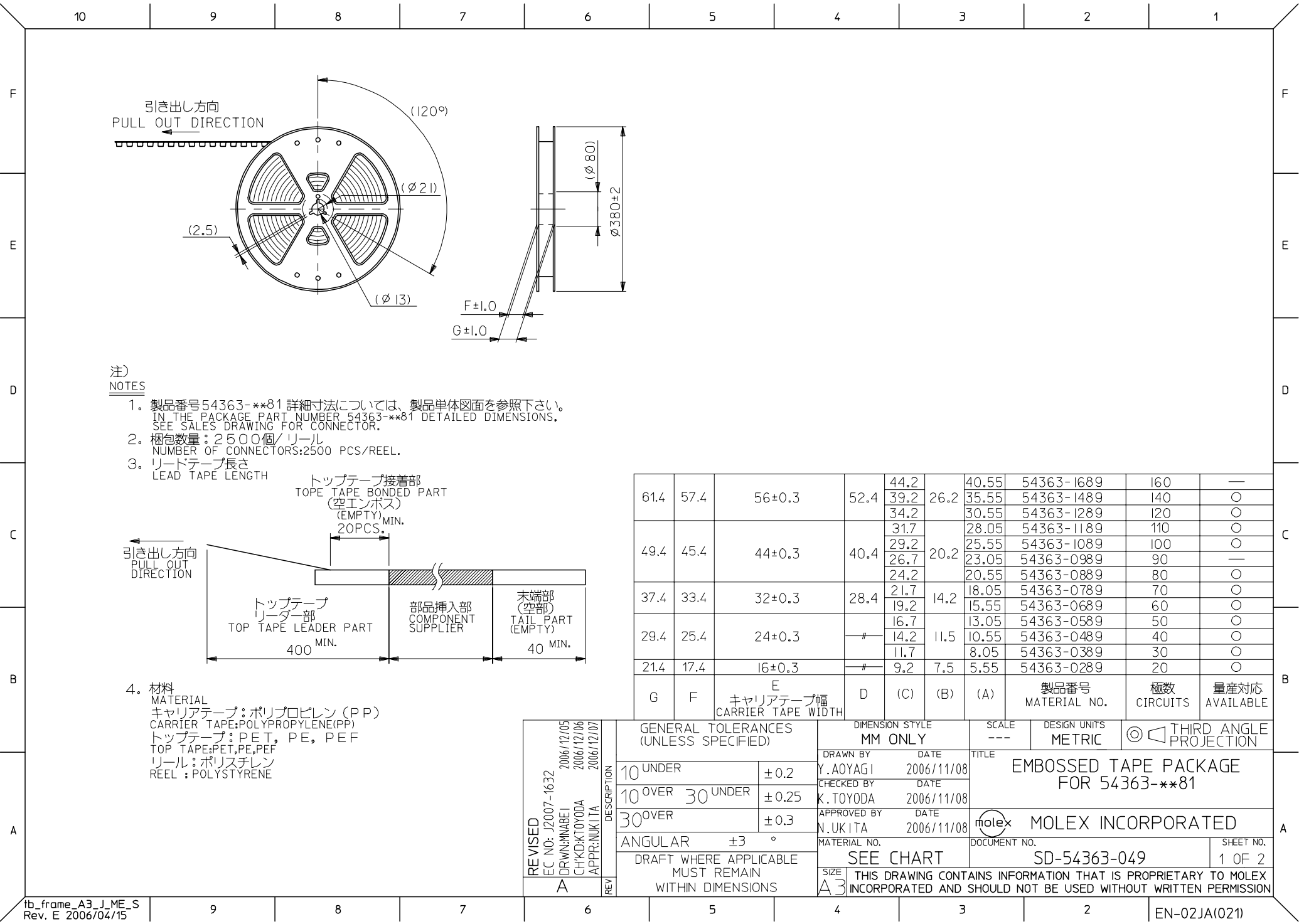
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-54363-046
SD-54363-049, SD-54363-050

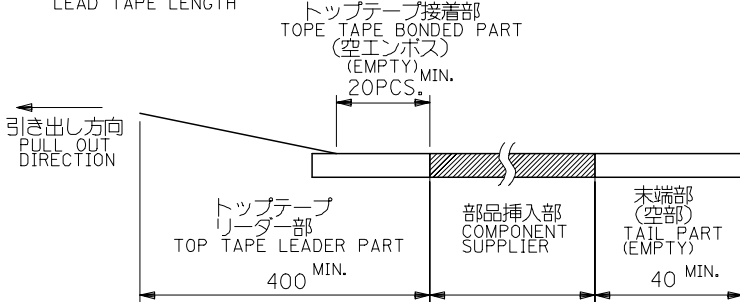
This document was generated on 04/16/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



注)
NOTES

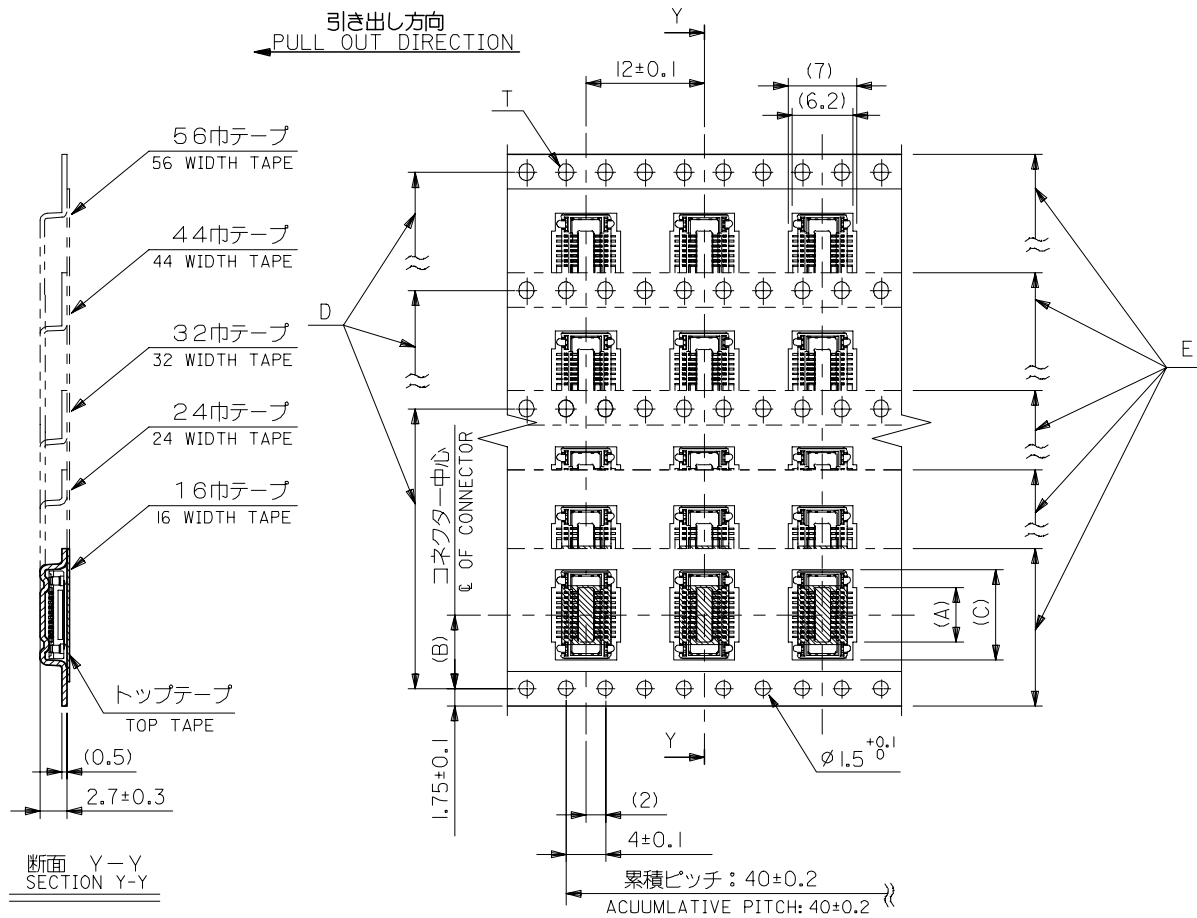
- 製品番号54363-**81 詳細寸法については、製品単体図面を参照下さい。
IN THE PACKAGE PART NUMBER 54363-**81 DETAILED DIMENSIONS,
SEE SALES DRAWING FOR CONNECTOR.
- 梱包数量: 2500個/リール
NUMBER OF CONNECTORS: 2500 PCS/REEL.
- リードテープ長さ
LEAD TAPE LENGTH



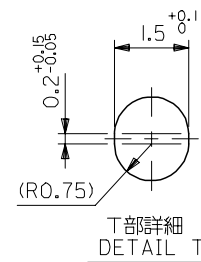
4. 材料
MATERIAL
キャリアテープ: ポリプロピレン (PP)
CARRIER TAPE: POLYPROPYLENE (PP)
トッパテープ: PET, PE, PEF
TOP TAPE: PET, PE, PEF
リール: ポリスチレン
REEL: POLYSTYRENE

61.4	57.4	56±0.3	52.4	44.2	26.2	40.55	54363-1689	160	—
				39.2		35.55	54363-1489	140	○
				34.2		30.55	54363-1289	120	○
49.4	45.4	44±0.3	40.4	31.7	20.2	28.05	54363-1189	110	○
				29.2		25.55	54363-1089	100	○
				26.7		23.05	54363-0989	90	—
				24.2		20.55	54363-0889	80	○
37.4	33.4	32±0.3	28.4	21.7	14.2	18.05	54363-0789	70	○
				19.2		15.55	54363-0689	60	○
29.4	25.4	24±0.3	—	16.7	11.5	13.05	54363-0589	50	○
				14.2		10.55	54363-0489	40	○
				11.7		8.05	54363-0389	30	○
21.4	17.4	16±0.3	—	9.2	7.5	5.55	54363-0289	20	○
G	F	E	D	(C)	(B)	(A)	製品番号 MATERIAL NO.	極数 CIRCUITS	量産対応 AVAILABLE
キャリアテープ幅 CARRIER TAPE WIDTH									

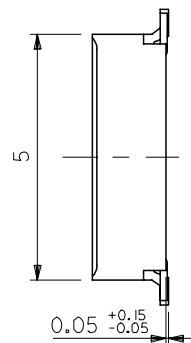
REVISED EC NO: J2007-1632 DRWN: NABEI CHKD: KTOYODA APPR: NUKITA 2006/12/05 2006/12/06 2006/12/07 A	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY Y. AOYAGI	DATE 2006/11/08	TITLE EMBOSSSED TAPE PACKAGE FOR 54363-**81				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. TOYODA	DATE 2006/11/08					
		30 OVER	±0.3	APPROVED BY N. UKITA	DATE 2006/11/08	MOLEX INCORPORATED				
		ANGULAR	±3 °	MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART			SD-54363-049			1 OF 2	
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



断面 Y-Y
SECTION Y-Y



GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
10 UNDER	± 0.2	DRAWN BY Y.AOYAGI	DATE 2006/11/08	EMBOSSD TAPE PACKAGE FOR 54363-**81	
10 OVER 30 UNDER	± 0.25	CHECKED BY K.TOYODA	DATE 2006/11/08		
30 OVER	± 0.3	APPROVED BY N.UKITA	DATE 2006/11/08	MOLEX INCORPORATED	
ANGULAR	$\pm 3^\circ$	MATERIAL NO.	DOCUMENT NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	SEE SHEET 1	SD-54363-049	SHEET NO. 2 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



1. 材質
 MATERIAL
 ハウジング: LCP (液晶ポリマー)、ガラス充填、黒色、UL94V-O
 HOUSING: LCP (LIQUID CRYSTAL POLYMER), GLASS FILLED, BLACK, UL94V-O
 ターミナル: 銅合金 (t=0.15)
 TERMINAL: COPPER ALLOY (t=0.15)
 ネイル: 銅合金 (t=0.2)
 NAIL: COPPER ALLOY (t=0.2)

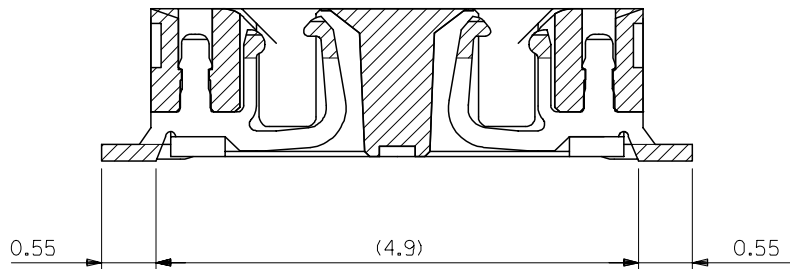
2. メッキ仕様
 PLATING
 ターミナル
 TERMINAL
 接点部: 金メッキ 0.25マイクロメートル以上
 CONTACT AREA: GOLD 0.25 MICROMETER MINIMUM
 半田付け部: 金メッキ 0.4マイクロメートル以下
 SOLDER TAIL AREA: GOLD 0.4 MICROMETER MAXIMUM
 下地メッキ: ニッケルメッキ 1.5マイクロメートル以上
 UNDER PLATING: NICKEL 1.5 MICROMETER MINIMUM
 ネイル
 NAIL
 錫メッキ 3.0マイクロメートル以上
 TIN 3.0 MICROMETER 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. テール平坦度は、0.08ミリメートル以下。テールとネイルを併せた平坦度は、0.1ミリメートル以下。
 TAIL COPLANARITY TO BE 0.08 MAXIMUM. TAILS AND NAILS COPLANARITY TO BE 0.1 MAXIMUM.

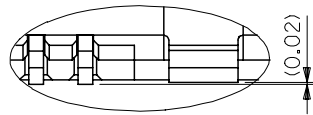
4. 嵌合手: 55201-***、55650-*** (H=2mm)
 MATED CONN.: 55201-***, 55650-*** (H=2mm)

5. 本製品は、54363-***71(エンボス梱包品 54363-***78)のニッケルバリア品である。
 THIS PRODUCT IS 'NICKEL BARRIER' OF
 54363-***71(EMBOSSED TAPE PKG 54363-***78).

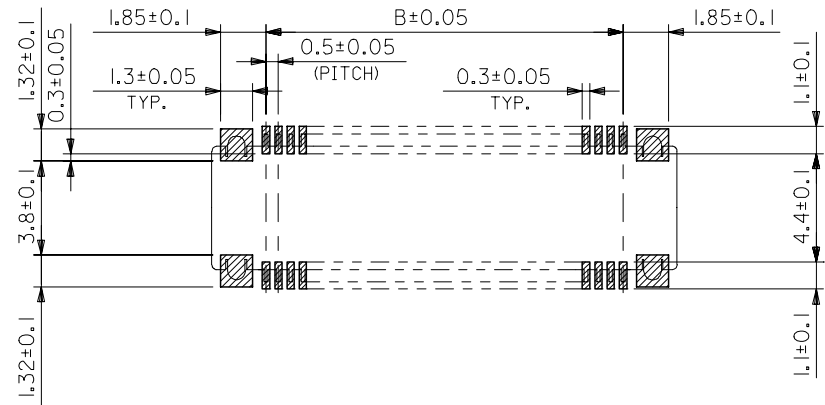
40.5	41.9	39.5	43.9	54363-1689	54363-1681	160	—
35.5	36.9	34.5	38.9	54363-1489	54363-1481	140	○
30.5	31.9	29.5	33.9	54363-1289	54363-1281	120	○
28	29.4	27	31.4	54363-1189	54363-1181	110	○
25.5	26.9	24.5	28.9	54363-1089	54363-1081	100	○
23	24.4	22	26.4	54363-0989	54363-0981	90	—
20.5	21.9	19.5	23.9	54363-0889	54363-0881	80	○
18	19.4	17	21.4	54363-0789	54363-0781	70	○
15.5	16.9	14.5	18.9	54363-0689	54363-0681	60	○
13	14.4	12	16.4	54363-0589	54363-0581	50	○
10.5	11.9	9.5	13.9	54363-0489	54363-0481	40	○
8	9.4	7	11.4	54363-0389	54363-0381	30	○
5.5	6.9	4.5	8.9	54363-0289	54363-0281	20	○
D	C	B	A	エンボス梱包品 EMBOSSED TAPE PACKAGING	製品番号 MATERIAL NO.	極数 CIRCUITS	量産対応 AVAILABLE



半田付け部詳細図
DETAIL FOR SOLDERING AREA



T部詳細
DETAIL T



推奨基板寸法
RECOMMENDED PCB PATTERN LAYOUT
(SCALE 5:1)

REVISED EC NO: J2008-1106 DRWN:Y.AOYAGI CHKD:K.TOYODA APPR:NUKI TA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY Y.AOYAGI	DATE 2006/11/08	TITLE 0.5 MM PITCH B/B CONN. WITH FITTING NAIL -LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY K.TOYODA	DATE 2006/11/08				
		30 OVER	±0.3	APPROVED BY N.UKITA	DATE 2006/11/08				MOLEX MOLEX INCORPORATED
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-54363-050			2 OF 2
	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9