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Part Number:

0543630289

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, 20 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

20

20

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

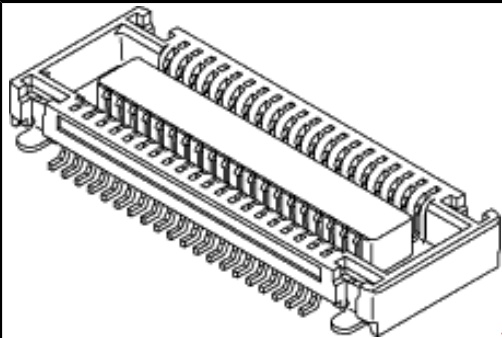


image - Reference only

Series

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

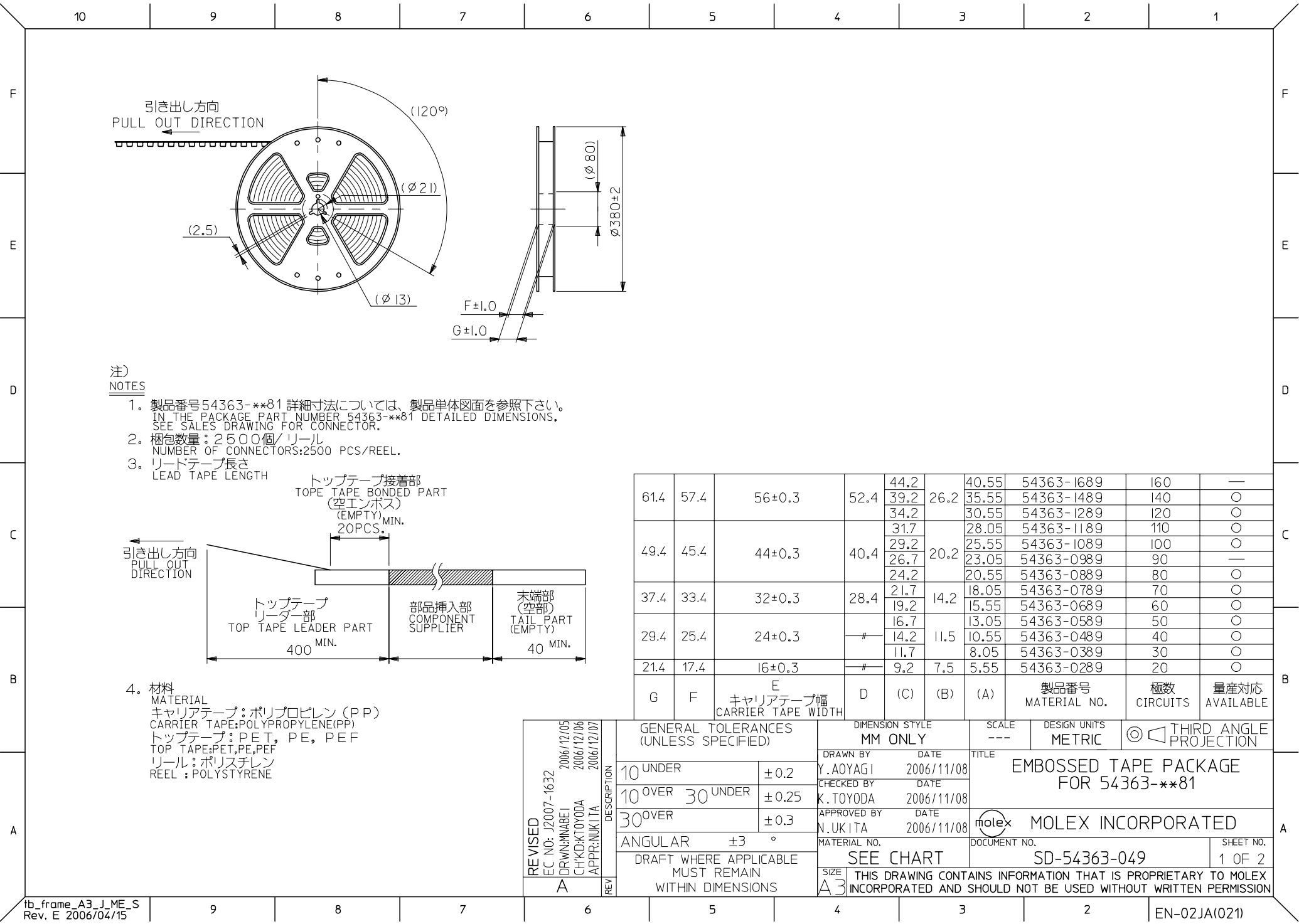
Reference - Drawing Numbers

Product Specification
Sales Drawing

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

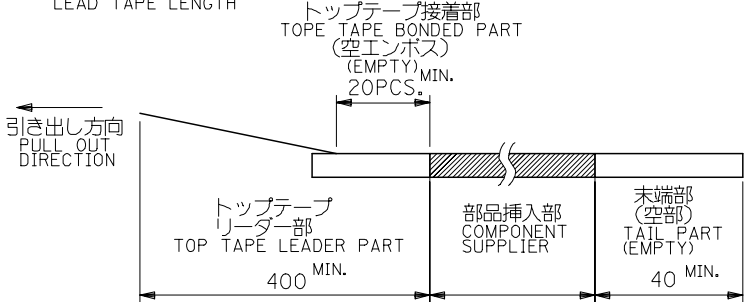
This document was generated on 04/16/2010

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注)
NOTES

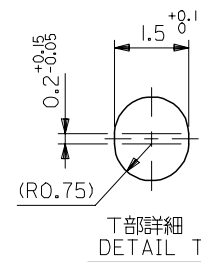
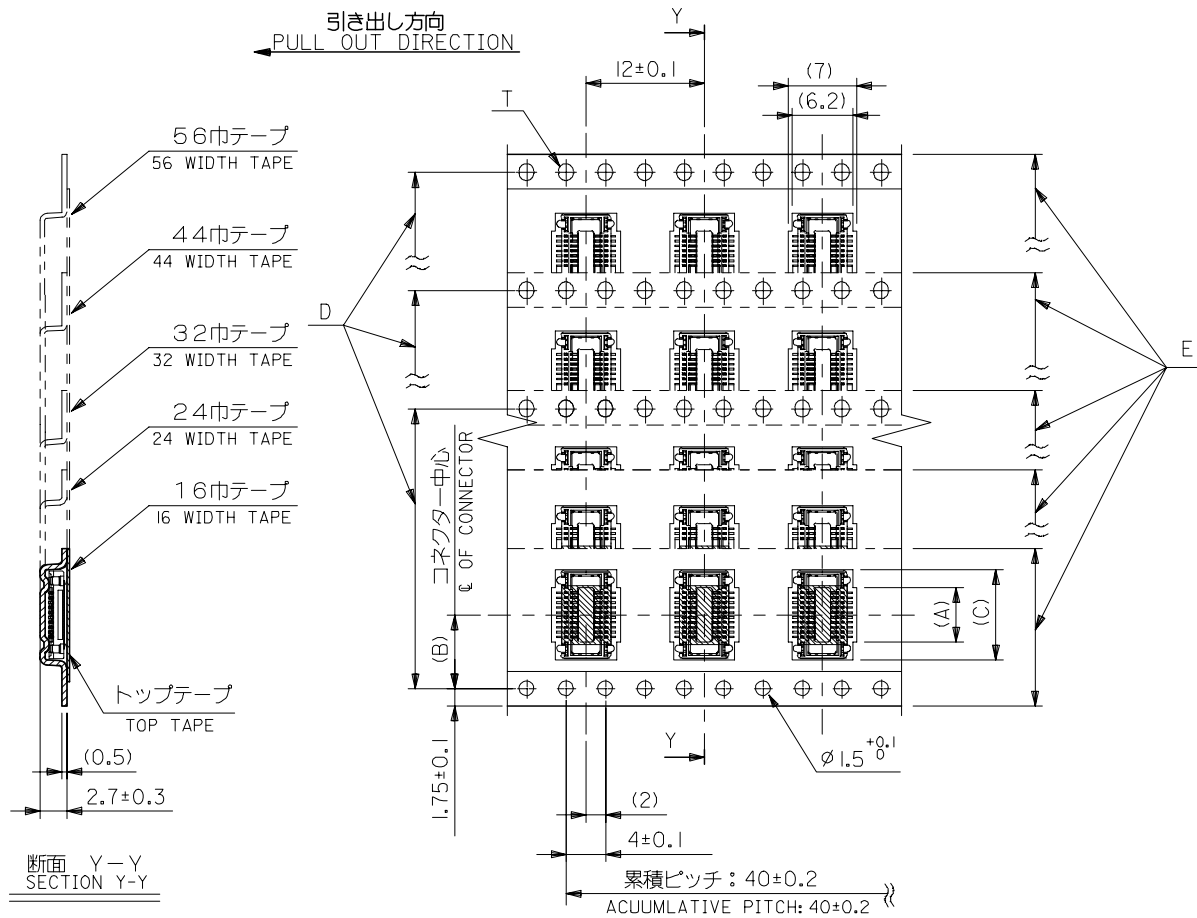
- 製品番号54363-**81 詳細寸法については、製品単体図面を参照下さい。
IN THE PACKAGE PART NUMBER 54363-**81 DETAILED DIMENSIONS,
SEE SALES DRAWING FOR CONNECTOR.
- 梱包数量: 2500個/リール
NUMBER OF CONNECTORS: 2500 PCS/REEL.
- リードテープ長さ
LEAD TAPE LENGTH



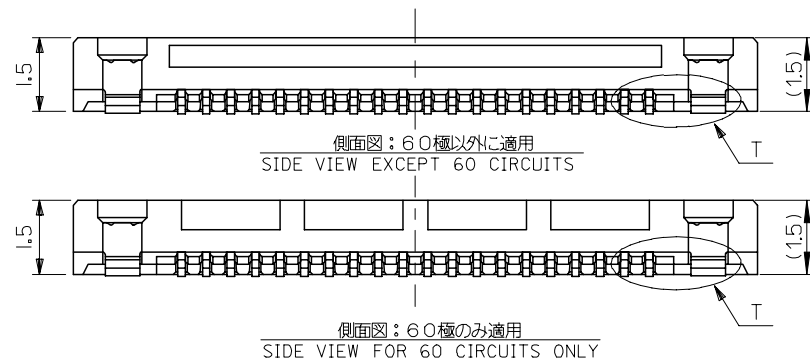
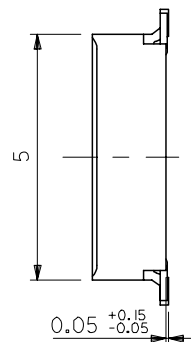
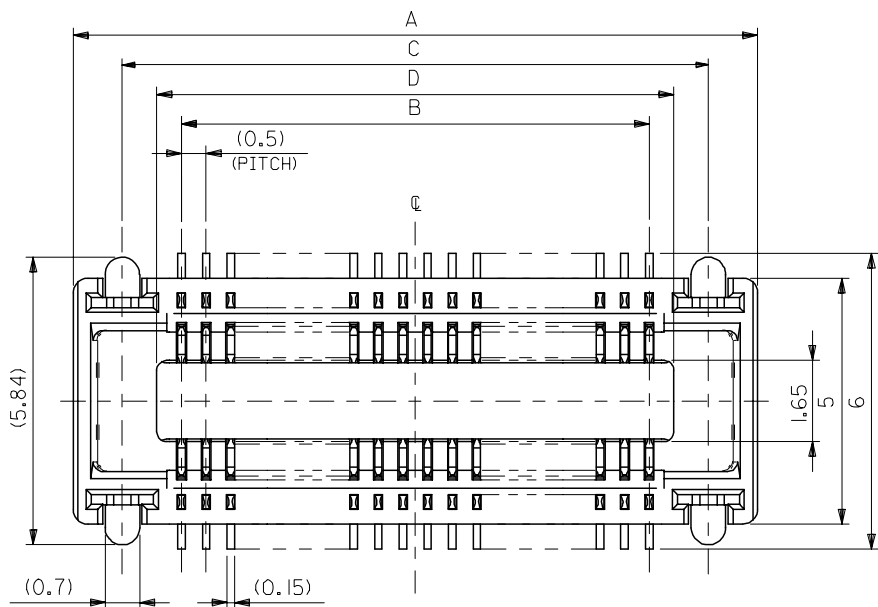
- 材料
MATERIAL
キャリアテープ: ポリプロピレン (PP)
CARRIER TAPE: POLYPROPYLENE (PP)
トッパテープ: PET, PE, PEF
TOP TAPE: PET, PE, PEF
リール: ポリスチレン
REEL: POLYSTYRENE

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



REVISED EC NO: J2007-4632 DRAWN:MABEL CHKD:KTOYODA APPR:NUKITA	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 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 ±3 °		MATERIAL NO.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-54363-049		2 OF 2		
	REV A	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

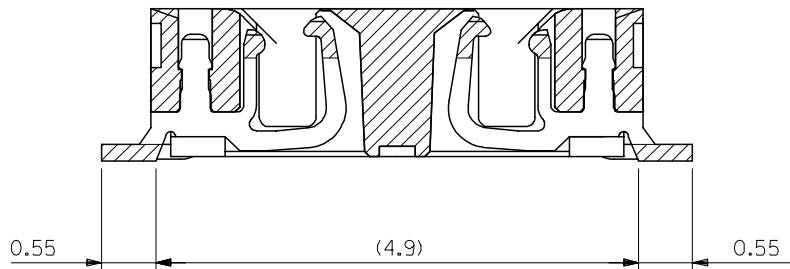


注記 NOTES:

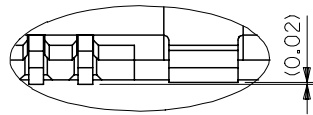
1. 材質
MATERIAL
ハウジング: LCP (液晶ポリマー)、ガラス充填、黒色、UL94V-0
HOUSING: LCP LIQUID CRYSTAL POLYMER, GLASS FILLED, BLACK, UL94V-0
ターミナル: 銅合金 (t=0.15)
TERMINAL: COPPER ALLOY (t=0.15)
ネイル: 銅合金 (t=0.2)
NAIL: COPPER ALLOY (t=0.2)
2. メッキ仕様
PLATING
ターミナル
TERMINAL
接点部: 金メッキ 0.25マイクロメートル以上
CONTACT AREA: GOLD 0.25 MICROMETER MINIMUM
半田付け部: 金メッキ 0.4マイクロメートル以上
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
銅メッキ 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. 嵌合相手: 55201-****, 55650-**** (H=2mm)
MATED CONN.: 55201-****, 55650-**** (H=2mm)
5. 本製品は、54363-xx71 (エンボス梱包品 54363-xx78) のニッケルバリア品である。
THIS PRODUCT IS 'NICKEL BARRIER' OF 54363-xx71 (EMBOSSED TAPE PKG 54363-xx78).

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

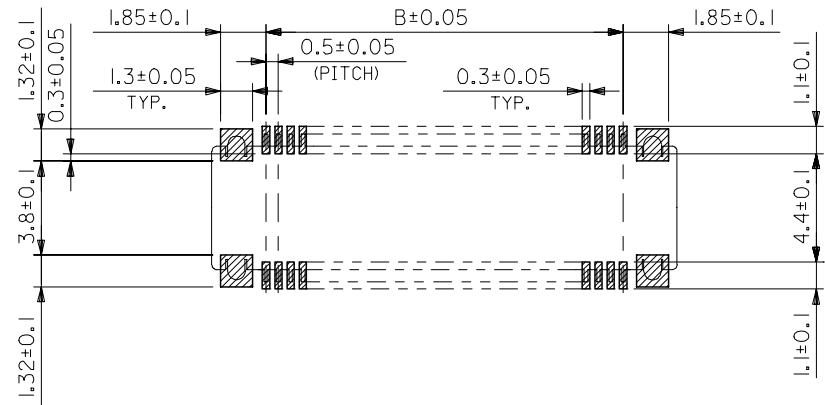
REVISED	EC NO.: J2008-1106 DRAWN: YAOYAGI CHKD: KTOYODA APPR: NUKITA	2007/10/04 2007/10/05 2007/10/05	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				10 UNDER	±0.2	DRAWN BY Y. AOYAGI	DATE 2006/11/08	TITLE 0.5 MM PITCH 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 INCORPORATED			
				ANGULAR ±3 °		MATERIAL NO.					DOCUMENT NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54363-050			1 OF 2
0	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



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 DRAWN: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 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		
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						