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Part Number: [0545480771](#)
Status: **Active**
Overview: [ffc_fpc_smt](#)
Description: 0.50mm (.020") Pitch FFC/FPC Connector, 1.20mm (.047") Height, Right Angle, SMT, ZIF, Bottom Contact Style, 7 Circuits, Lead-free, Gold (Au) Plating

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-54548-039 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	FFC/FPC Connectors
Series	54548
Overview	ffc_fpc_smt
Product Name	N/A

Physical

Circuits (Loaded)	7
Contact Position	Bottom
Durability (mating cycles max)	20
Entry Angle	90° Angle
Mated Height (in)	0.047 In
Mated Height (mm)	1.20 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FFC/FPC

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-54548-001
Product Specification	PS-54548-039, RPS-54548-083, RPS-54548-085, RPS-54548-091, RPS-54548-097, RPS-54548-099
Sales Drawing	SD-54548-039, SD-54548-040

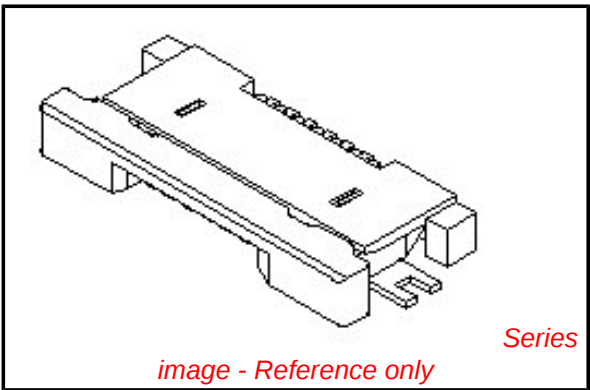


image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS

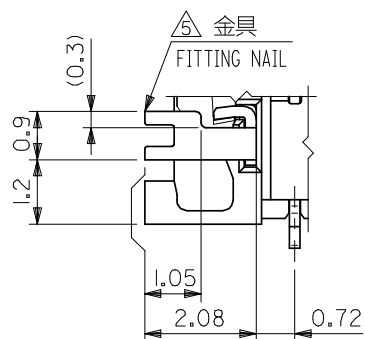
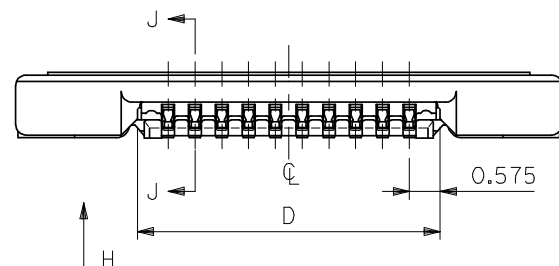
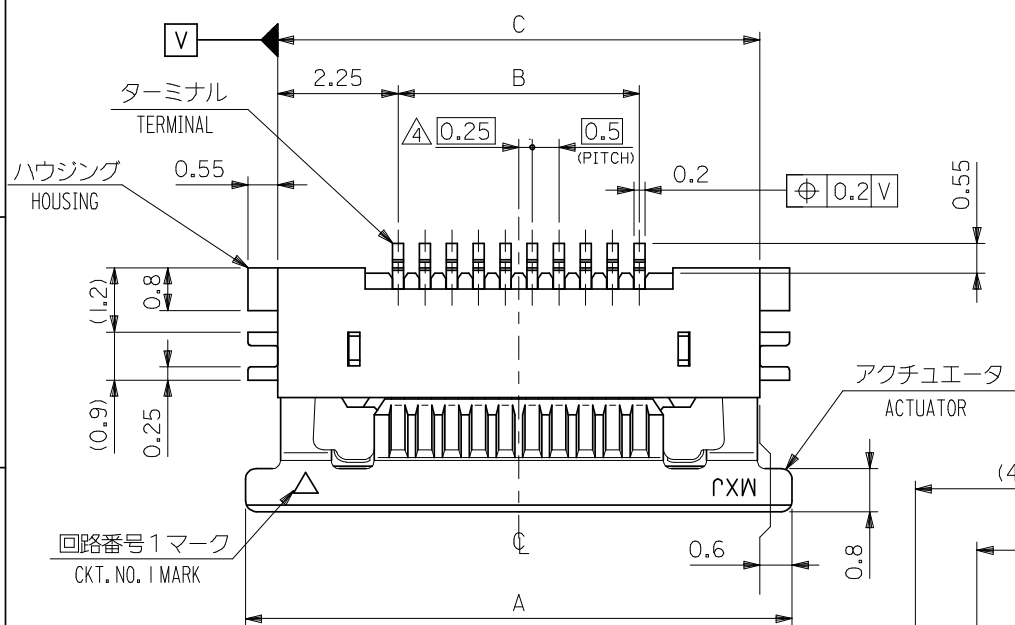


**Need more information on product
environmental compliance?**

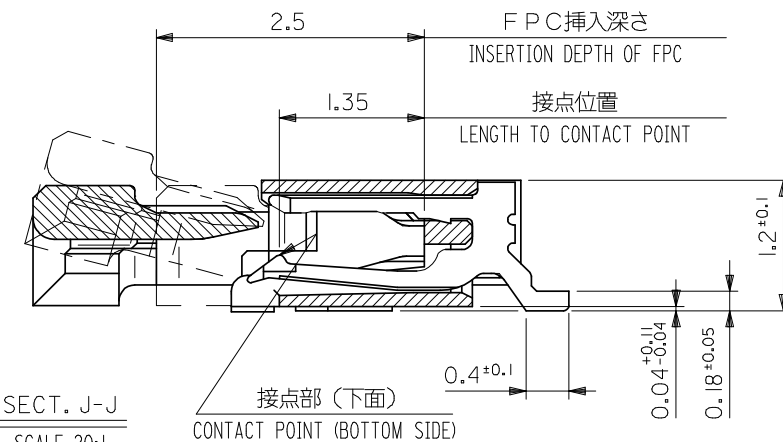
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[54548Series](#)



VIEW H



SECT. J-J
SCALE 20:1

0.28±0.03	13.65	17.0	12.5	18.2	54548-2671	54548-2629	26
	12.65	16.0	11.5	17.2	54548-2471	54548-2429	24
0.3±0.03	12.15	15.5	11.0	16.7	54548-2371	54548-2329	23
	11.65	15.0	10.5	16.2	54548-2271	54548-2229	22
	11.15	14.5	10.0	15.7	54548-2171	54548-2129	21
	10.65	14.0	9.5	15.2	54548-2071	54548-2029	20
	10.15	13.5	9.0	14.7	54548-1971	54548-1929	19
	9.65	13.0	8.5	14.2	54548-1871	54548-1829	18
	9.15	12.5	8.0	13.7	54548-1771	54548-1729	17
	8.65	12.0	7.5	13.2	54548-1671	54548-1629	16
	8.15	11.5	7.0	12.7	54548-1571	54548-1529	15
	7.65	11.0	6.5	12.2	54548-1471	54548-1429	14
	7.15	10.5	6.0	11.7	54548-1371	54548-1329	13
	6.65	10.0	5.5	11.2	54548-1271	54548-1229	12
	6.15	9.5	5.0	10.7	54548-1171	54548-1129	11
	5.65	9.0	4.5	10.2	54548-1071	54548-1029	10
	5.15	8.5	4.0	9.7	54548-0971	54548-0929	9
	4.65	8.0	3.5	9.2	54548-0871	54548-0829	8
	4.15	7.5	3.0	8.7	54548-0771	54548-0729	7
	3.65	7.0	2.5	8.2	54548-0671	54548-0629	6
3.15	6.5	2.0	7.7	54548-0571	54548-0529	5	
2.65	6.0	1.5	7.2	54548-0471	54548-0429	4	
FPC THICKNESS	D	C	B	A	EMBOSSD TAPE ORDER No. オダー番号	製品番号 MATERIAL No.	極数 Ck

54548-**29	MODEL No.
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DESIGN UNITS	THIRD ANGLE
METRIC	PROJECTION

0.5 FPC CONN ZIF HSG
ASSY FOR SMT RA BTM CONT
-LEAD FREE-

 MOLEX INCORPORATED

DOCUMENT NO. SD-54548-039	SHEET NO. 1 OF 2
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REVISED	EC NO: J2008-4048	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	DRWN:MMBEL		10 UNDER	± 0.2
	2008/06/13		10 OVER 30 UNDER	± 0.25
	CH'KD:THARYAMA		30 OVER	± 0.3
	2008/06/16		ANGULAR ± 3 °	
APPR:NUKITA	2008/06/16		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
REV				

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
HSHIMABUKURO	'04/02/1
CHECKED BY	DATE
KTOJO	'04/02/1
APPROVED BY	DATE
MSASAO	'04/02/1
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CON
A3	INCORPORATED AND

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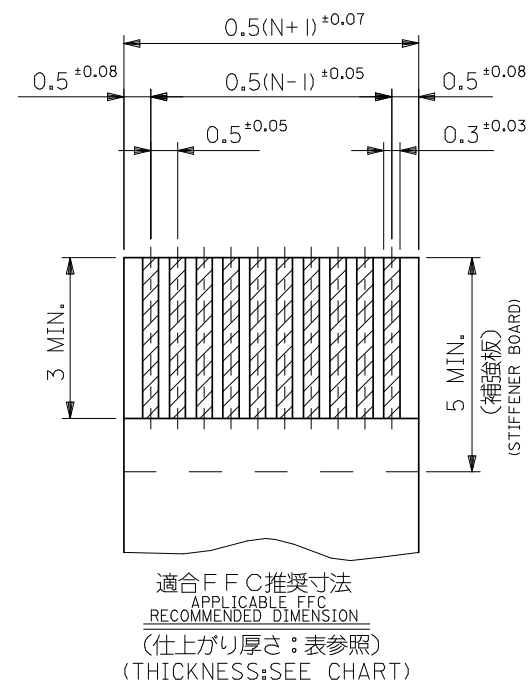
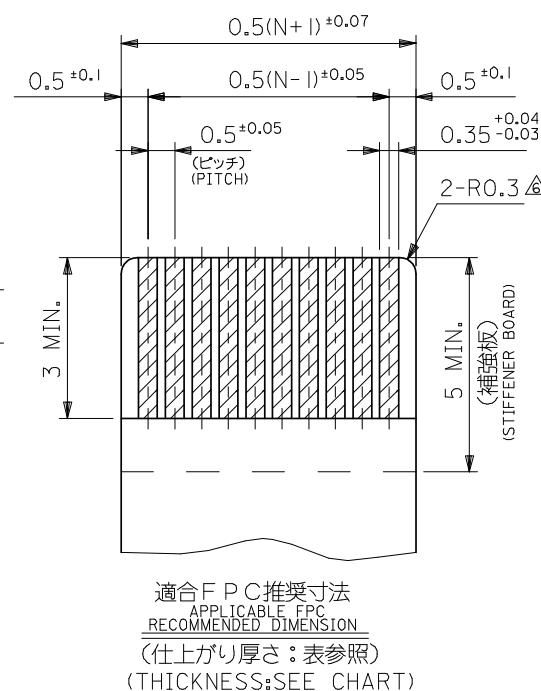
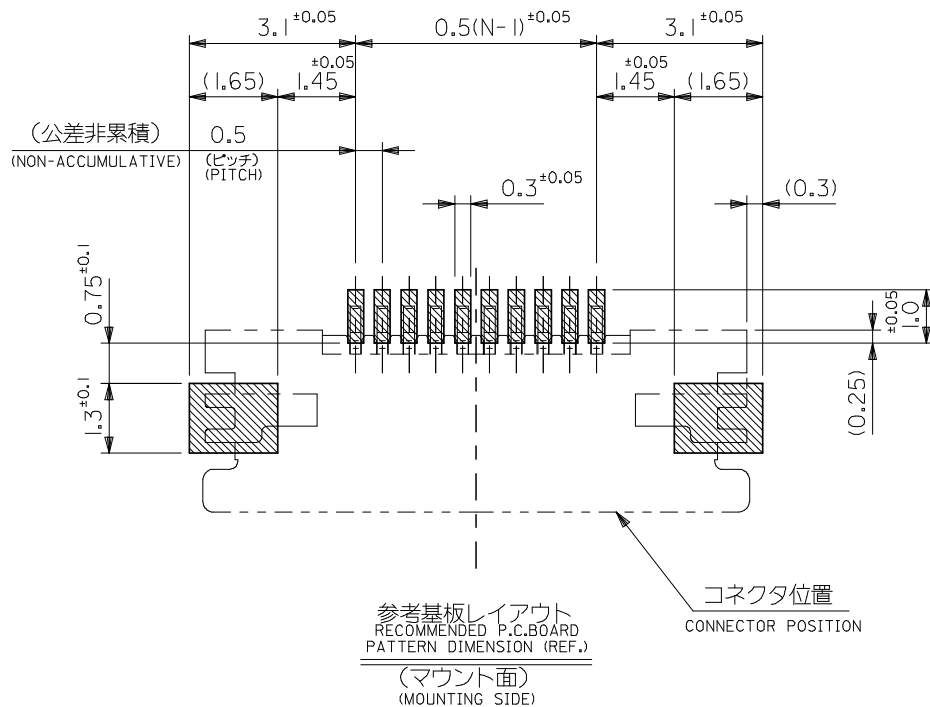
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注記 NOTES

I. 使用材料 MATERIAL

ハウジング : LCP, UL94V-0
ハウジング
アクチュエータ : PPS, UL94V-0
アクチュエータ
ターミナル : リン青銅 (t=0.2)
ターミナル
メッキ : PHOSPOR BRONZE
メッキ
接点部 : 金メッキ
CONTACT PORTION : GOLD PLATING
テール部 : 鍍メッキ
SOLDERING PORTION : TIN OVER PLATING
下地 : ニッケルメッキ
UNDER PLATING: NICKEL PLATING
金具 : リン青銅、鍍メッキ (t=0.2)
FITTING NAIL : PHOSPOR BRONZE, TIN PLATING
下地 : ニッケルメッキ
UNDER PLATING: NICKEL PLATING

2. エンボステープ梱包時は、アクチュエータがロックした状態とする。
IN THE PACKAGE, ACTUATOR OF PART NO. 54548-**-29 SHOULD BE LOCKED.

△ ソルダータール半田付け面のズレ量、及び金具半田付け面のズレ量は、基準面 Z に対し上方向 0 MAX.、下方向 0.15 MAX. とし、相互のバツキ量は 0.1 MAX. とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM Z UPPER DIRECTION: 0 MAX., LOWER DIRECTION: 0.15 MAX. OFFSET BETWEEN UPPER AND LOWER 0.1 MAX.

△ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.

△ パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.
△ R0.3 は FPC 導体部にかからないこと
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
7. 本製品は 54548-**-21 の鉛フリー (部分金メッキ) 品である。
THIS PRODUCT IS LEAD FREE OF 54548-**-21 (SELECTIVE GOLD).
8. N: 極数 N: CIRCUIT.

適合 FPC 推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ: 表参照)
(THICKNESS: SEE CHART)

適合 FFC 推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ: 表参照)
(THICKNESS: SEE CHART)

FPC/FFC について:

打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟銅箔 35 μm または 50 μm を推奨します。

ABOUT FPC/FFC

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.
RECOMMENDED CONDUCTOR SPEC :
THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER.

FPC について:

補強フィルム材質はポリイミドを推奨します。ベースフィルムは 25 μm を推奨します。
接着剤は熱硬化接着剤を推奨します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様、お願い致します。

ABOUT FPC

RECOMMENDED MATERIAL/THICKNESS.
STIFFENER FILM : POLYIMIDE
BASE FILM THICKNESS : 25 μm
BONDING AGENT : THERMOSETTING BONDING AGENT
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON THE CONTACT AREA BECAUSE THE EXTRA ADHESIVE MAY CAUSE THE DEFECT IN ELECTRICAL CONTINUITY.

REVISED		EC NO: J2008-4048		2008/06/13		DRWN:MMABEI		2008/06/16		CHK'D:THARUYAMA		2008/06/16		APPR:NUKITA		DESCRIPTION		REV					
GENERAL TOLERANCES (UNLESS SPECIFIED)										DIMENSION STYLE MM ONLY				SCALE ---		DESIGN UNITS METRIC				MODEL NO. THIRD ANGLE PROJECTION			
10 UNDER										± 0.2		DRAWN BY HSHIMABUKURO		DATE '04/02/10		TITLE 0.5 FPC CONN ZIF HSG ASSY FOR SMT RA BTM CONT -LEAD FREE-  MOLEX INCORPORATED							
10 OVER 30 UNDER										± 0.25		CHECKED BY KT0JO		DATE '04/02/10									
30 OVER										± 0.3		APPROVED BY MSASAO		DATE '04/02/10									
ANGULAR										±3 °		MATERIAL NO.				DOCUMENT NO.				SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										SEE SHEET 1				SD-54548-039				2 OF 2					
SIZE A3																		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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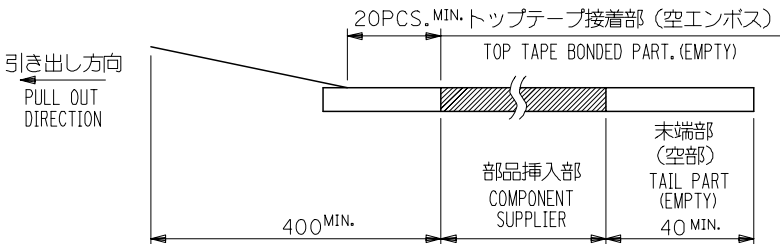
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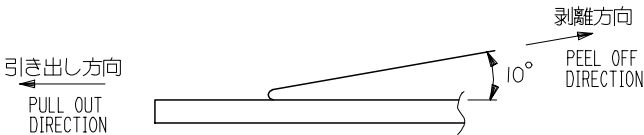
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NOTES

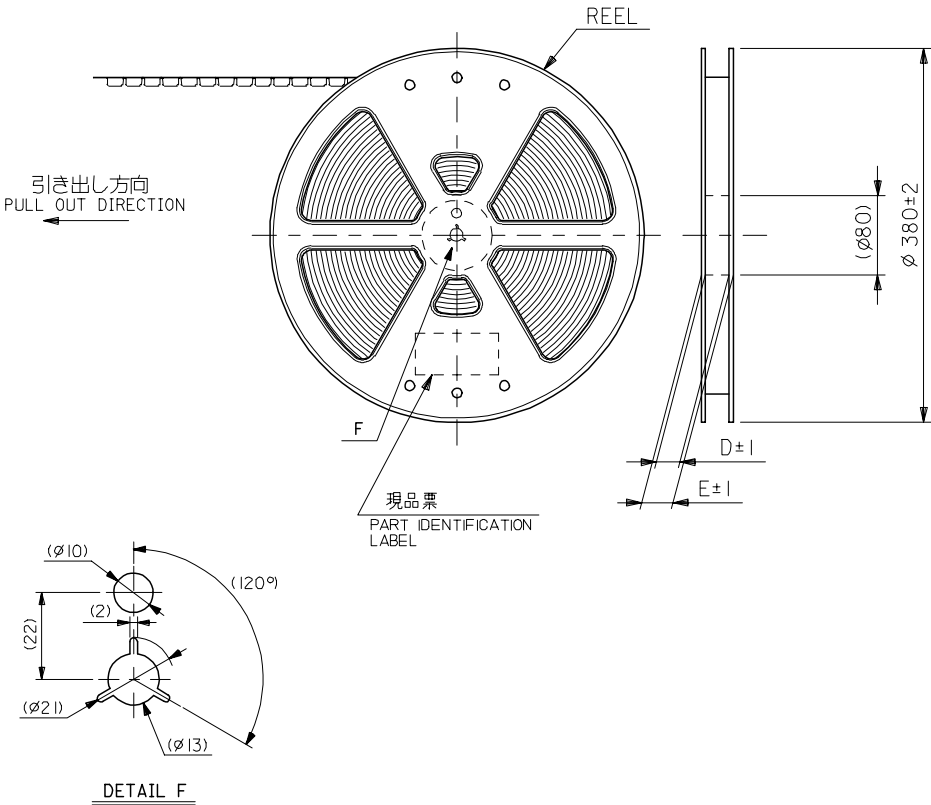
1. 製品詳細寸法については図面 SD-54548-039 を参照下さい。
RE DETAILED DIMENSION, SEE SD-54548-039
2. 梱包数量：3000個/リール
NUMBER OF CONNECTORS : 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



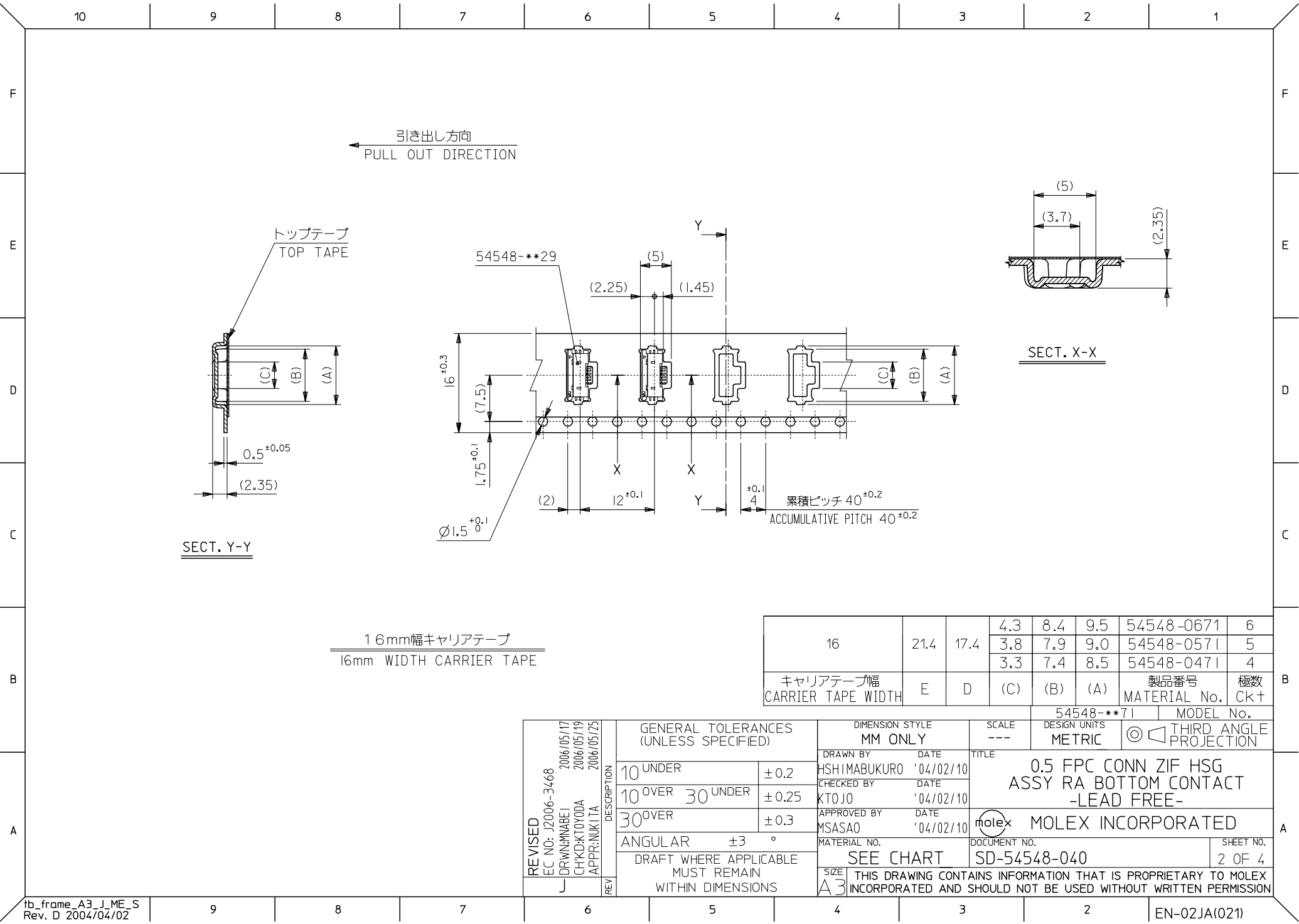
4. トップテープの剥離強度：0.1N ～ 1.3N(10gf ～ 130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N ～ 1.3N(10gf ～ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



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 (P S) <リサイクル材を含む>
POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は 54548-**-91 の鉛フリー(部分金メッキ)品である。
THIS PRODUCT IS LEAD FREE OF 54548-**-91 (SELECTIVE GOLD).



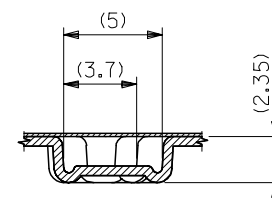
REVISED EC NO: J2006-3468 DRAWN: MWABEI CHKD: KTOYODA APPR: NUKITA J		DESCRIPTION 2006/05/17 2006/05/19 2006/05/25	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	MODEL No.			
					MM ONLY		---	METRIC	THIRD ANGLE PROJECTION			
			10 UNDER	±0.2	DRAWN BY HSHIMABUKURO	DATE '04/02/10	TITLE 0.5 FPC CONN ZIF HSG ASSY RA BOTTOM CONTACT -LEAD FREE-					
			10 OVER 30 UNDER	±0.25	CHECKED BY KTOJO	DATE '04/02/10						
			30 OVER	±0.3	APPROVED BY MSASAO	DATE '04/02/10	MOLEX MOLEX INCORPORATED					
ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54548-040		1 OF 4						
REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	21.4	17.4	4.3	8.4	9.5	54548-0671	6
			3.8	7.9	9.0	54548-0571	5
			3.3	7.4	8.5	54548-0471	4
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	製品番号 MATERIAL No.	極数 Ck+

REVISED EC NO: J2006-3468 DRAWN: NABEI CHKD: KTOYODA APPR: NUKITA J	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY HSHIMABUKURO	DATE '04/02/10	TITLE 0.5 FPC CONN ZIF HSG ASSY RA BOTTOM CONTACT -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY KTOJO	DATE '04/02/10					
		30 OVER	±0.3	APPROVED BY MSASAO	DATE '04/02/10	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54548-040		2 OF 4		
	REV		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



SECT. Y-Y

24	29.4	25.4	12.3	16.4	17.5	54548-2271	22
			11.8	15.9	17.0	54548-2171	21
			11.3	15.4	16.5	54548-2071	20
			10.8	14.9	16.0	54548-1971	19
			10.3	14.4	15.5	54548-1871	18
			9.8	13.9	15.0	54548-1771	17
			9.3	13.4	14.5	54548-1671	16
			8.8	12.9	14.0	54548-1571	15
			8.3	12.4	13.5	54548-1471	14
			7.8	11.9	13.0	54548-1371	13
			7.3	11.4	12.5	54548-1271	12
			6.8	10.9	12.0	54548-1171	11
			6.3	10.4	11.5	54548-1071	10
			5.8	9.9	11.0	54548-0971	9
5.3	9.4	10.5	54548-0871	8			
4.8	8.9	10.0	54548-0771	7			
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	製品番号 MATERIAL No.	極数 Ck +

12.3	16.4	17.5	54548-2271	22
11.8	15.9	17.0	54548-2171	21
11.3	15.4	16.5	54548-2071	20
10.8	14.9	16.0	54548-1971	19
10.3	14.4	15.5	54548-1871	18
9.8	13.9	15.0	54548-1771	17
9.3	13.4	14.5	54548-1671	16
8.8	12.9	14.0	54548-1571	15
8.3	12.4	13.5	54548-1471	14
7.8	11.9	13.0	54548-1371	13
7.3	11.4	12.5	54548-1271	12
6.8	10.9	12.0	54548-1171	11
6.3	10.4	11.5	54548-1071	10
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5.3	9.4	10.5	54548-0871	8
4.8	8.9	10.0	54548-0771	7

キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	製品番号 MATERIAL No.	極数 Ck +
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REVISED	EC NO: J2006-3468	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		MODEL NO.	
	2006/05/17 DRAWN:MABEJ		2006/05/17 CHKD:KTOYODA	2006/05/17 APPR:NUKITA	10 UNDER	± 0.2	DRAWN BY HSHIMABUKURO	DATE '04/02/10	TITLE 0.5 FPC CONN ZIF HSG ASSY RA BOTTOM CONTACT -LEAD FREE-		
					10 OVER 30 UNDER	± 0.25	CHECKED BY KTOJO	DATE '04/02/10			
					30 OVER	± 0.3	APPROVED BY MSASAO	DATE '04/02/10	 MOLEX INCORPORATED		
					ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.			
		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54548-040		3 OF 4		
	J				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



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

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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:

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