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Part Number:

0541044631

Status:

Active

Overview:

ffc_fpc_smt

Description:

0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Top Contact Style, 46 Circuits, Lead-free, 0.1µm (4µ") Gold (Au) Plating

Documents:

3D Model

Drawing (PDF)

Product Specification PS-54104-071 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Overview

Product Name

FFC/FPC Connectors

54104

ffc_fpc_smt

N/A

Physical

Circuits (Loaded)

Color - Resin

Contact Position

Durability (mating cycles max)

Entry Angle

Flammability

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

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire/Cable Type

46

Natural

Top

20

90° Angle

94V-0

0.079 In

2.00 mm

Phosphor Bronze

Gold

Gold

High Temperature Thermoplastic

1

Right Angle

0.024 In

0.60 mm

No

Yes

Embossed Tape on Reel

0.020 In

0.50 mm

4

0.1

2

0.05

Yes

No

N/A

-20°C to +85°C

Surface Mount

FFC/FPC

Electrical

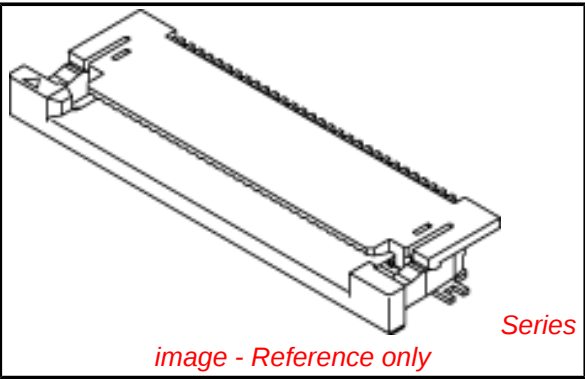
Current - Maximum per Contact

Voltage - Maximum

0.5A

50V

Material Info



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

54104Series

Reference - Drawing Numbers

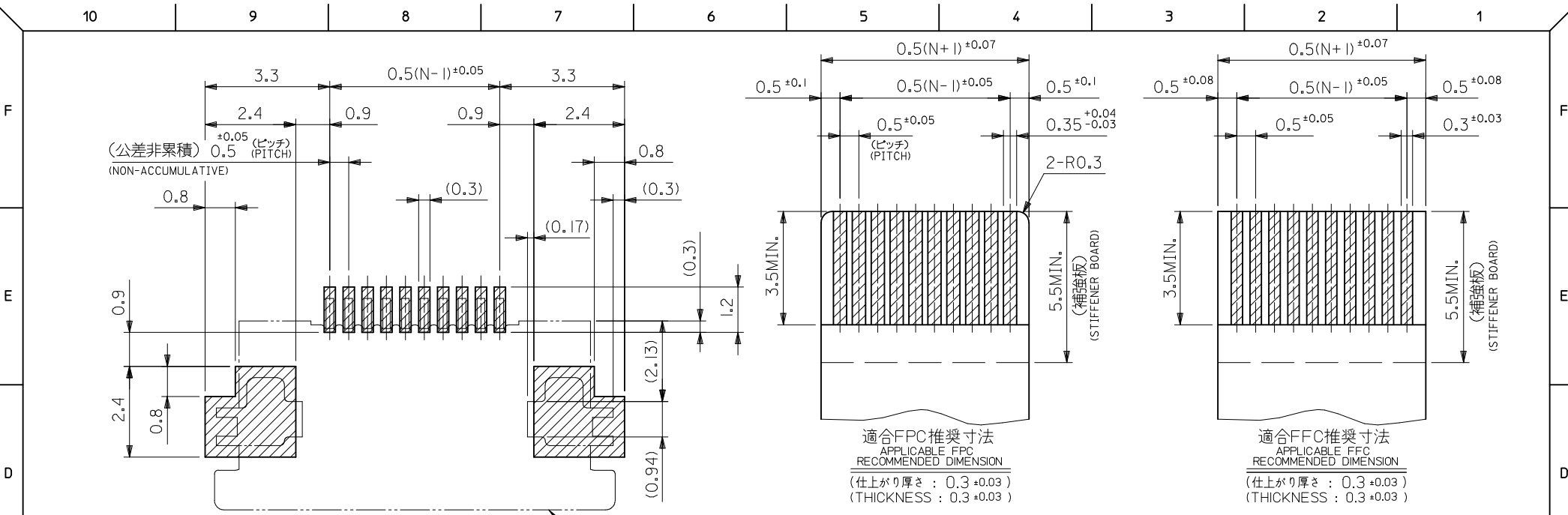
Packaging Specification
Product Specification

SPK-54104-001
PS-54104-071, RPS-54104-079, RPS-54104-081,
RPS-54104-082, RPS-54104-083, RPS-54104-084,
RPS-54104-086, RPS-54104-088, RPS-54104-089
SD-54104-077, SD-54104-078

Sales Drawing

This document was generated on 06/07/2010

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適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3 ±0.03)
(THICKNESS : 0.3 ±0.03)

適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3 ±0.03)
(THICKNESS : 0.3 ±0.03)

金メッキFPC/FFCについて : 打抜き方向は導体側から補強板側を推奨いたします。
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFNER BOARD SIDE.

参照基板レイアウト
RECOMMENDED P.C.BOARD
PATTERN DIMENSION(REF.)
(マウント面)
(MOUNTING SIDE)
コネクタ位置
CONNECTOR POSITION

注記 NOTES

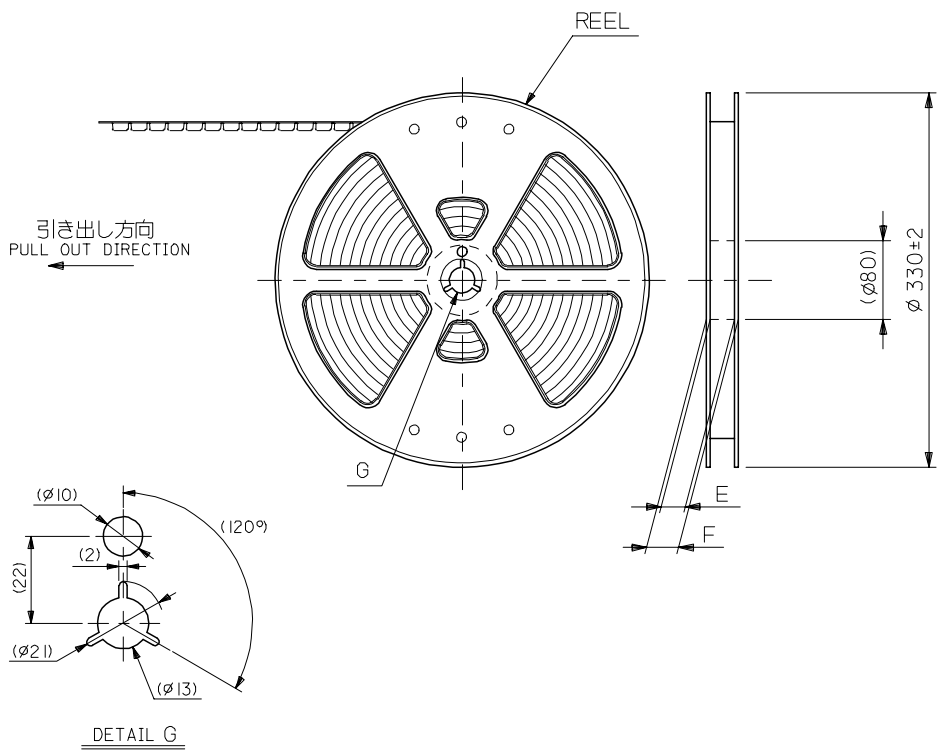
1. 使用材料 MATERIAL
- ハウジング : 46ナイロン UL94V-0
HOUSING 46NYLON
アクチュエータ : PPS UL94V-0
ACTUATOR
ターミナル : リン青銅(t=0.2)
TERMINAL ニッケル下地 : 1.0μm MIN.
金メッキ : 0.1μm MIN.
PHOSPHOR BRONZE
GOLD 0.1μm MIN.
OVER NICKEL 1.0μm MIN.
PLATING
- 金具 : リン青銅、スズめっき(t=0.2)
FITTING NAIL PHOS-BRO, TIN-PLATED

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.54104-**-29 SHOULD BE LOCKED.
- △ ソルダータール半田付け面のズレ量、および金具半田付け面のズレ量は、基準面 H に対し上方向 0.1MAX.、下方向 0.15MAX. とし、相互のバラつき量は 0.1MAX. とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM UPPER DIRECTION : 0.1MAX., LOWER DIRECTION : 0.15MAX. OFFSET BETWEEN UPPER AND LOWER 0.1MAX.
- △ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.
- △ バターンはく離止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.
6. 本製品は54104-**-39のターミナル部分金メッキ品である。
7. ELV AND RoHS適合品
ELV AND RoHS COMPLIANT

30.5	29.3	25.65	24.5	54104-5031	50
28.5	27.3	23.65	22.5	54104-4631	46
28.0	26.8	23.15	22.0	54104-4531	45
27.5	26.3	22.65	21.5	54104-4431	44
27.0	25.8	22.15	21.0	54104-4331	43
25.5	24.3	20.65	19.5	54104-4031	40
24.5	23.3	19.65	18.5	54104-3831	38
23.5	22.3	18.65	17.5	54104-3631	36
23.0	21.8	18.15	17.0	54104-3531	35
22.5	21.3	17.65	16.5	54104-3431	34
22.0	20.8	17.15	16.0	54104-3331	33
21.5	20.3	16.65	15.5	54104-3231	32
20.5	19.3	15.65	14.5	54104-3031	30
D	C	B	A	EMBOSSED PACKAGE オーダー番号:ORDER NO.	CKT.

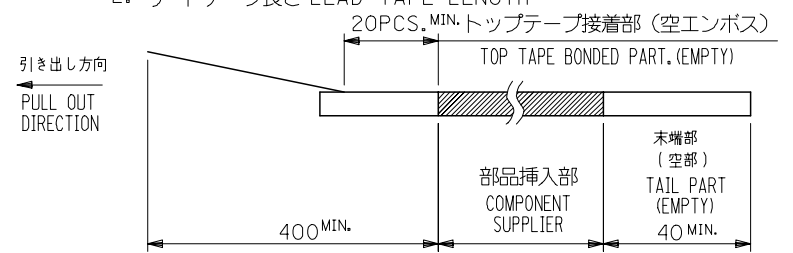
CONNECTOR SERIES NO. : 54104-**-29

REVISED EC NO: J2010-2281 DRWN:HYOSHINO 2010/05/18 CHKD:HSHIROYAMA 2010/05/18 APPR:KMORI KAWA 2010/05/25 REV D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		---	METRIC		
				DRAWN BY		DATE	TITLE		
				MNABE I		'04/07/09			
	10 UNDER	±0.2	CHECKED BY		DATE	0.5 FPC CONN. ZIF SMT R/A UPPER CONTACT -LEAD FREE- MOLEX INCORPORATED			
	10 OVER 30 UNDER	±0.25	KTOJO		'04/07/09				
	30 OVER	±0.3	APPROVED BY		DATE				
	ANGULAR ±3 °		NUKITA		'04/07/09	molex	SD-54104-077	SHEET NO. 2 OF 2	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.				
			SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



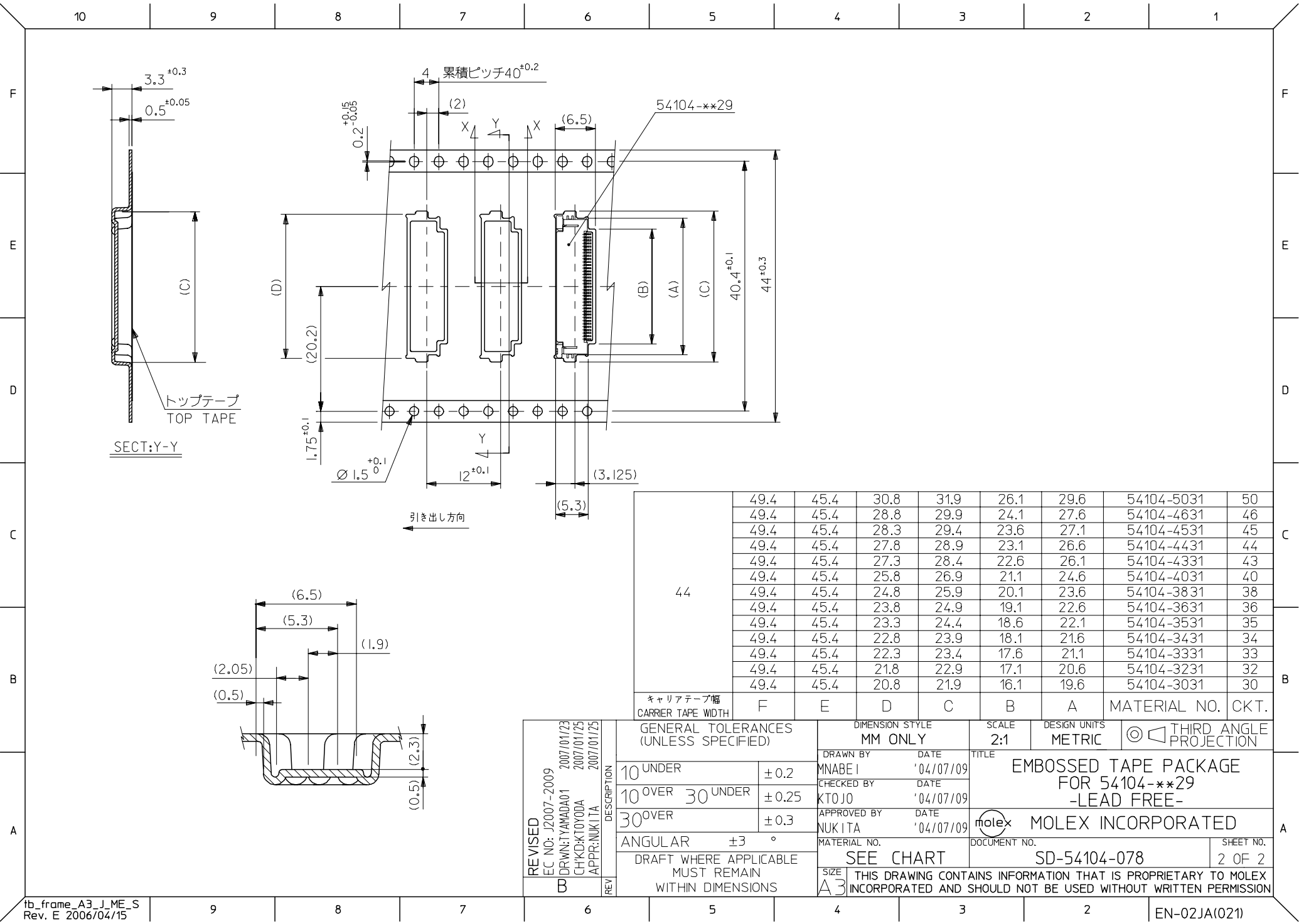
NOTES

1. 梱包数量：1500個／リール
NUMBER OF CONNECTORS : 1500PCS/REEL
2. リードテープ長さ LEAD TAPE LENGTH



3. 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 (POLYSTYLENE)
4. 本製品は 54104-**-96 のターミナル部分金メッキ品である。

REVISED EC NO: J2007-2009 DRAWN: YAMADA01 CHKD: KTOYODA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM ONLY		2:1	METRIC				
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE EMBOSSD TAPE PACKAGE FOR 54104-**-29 -LEAD FREE-					
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE						
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX INCORPORATED					
		ANGULAR	±3 °	NUKITA	'04/07/09						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
		SEE CHART		SD-54104-078		1 OF 2					
B	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



44	49.4	45.4	30.8	31.9	26.1	29.6	54104-5031	50
	49.4	45.4	28.8	29.9	24.1	27.6	54104-4631	46
	49.4	45.4	28.3	29.4	23.6	27.1	54104-4531	45
	49.4	45.4	27.8	28.9	23.1	26.6	54104-4431	44
	49.4	45.4	27.3	28.4	22.6	26.1	54104-4331	43
	49.4	45.4	25.8	26.9	21.1	24.6	54104-4031	40
	49.4	45.4	24.8	25.9	20.1	23.6	54104-3831	38
	49.4	45.4	23.8	24.9	19.1	22.6	54104-3631	36
	49.4	45.4	23.3	24.4	18.6	22.1	54104-3531	35
	49.4	45.4	22.8	23.9	18.1	21.6	54104-3431	34
キャリアテープ幅 CARRIER TAPE WIDTH	49.4	45.4	22.3	23.4	17.6	21.1	54104-3331	33
	49.4	45.4	21.8	22.9	17.1	20.6	54104-3231	32
	49.4	45.4	20.8	21.9	16.1	19.6	54104-3031	30
	F	E	D	C	B	A	MATERIAL NO.	CKT.

REVISED EC NO: J2007-2009 DRWN:TYAMADA01 2007/01/23 CHKD:KTOYODA 2007/01/25 APPR:NUKITA 2007/01/25 B	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY MNABEI	DATE '04/07/09	TITLE EMBOSSD TAPE PACKAGE FOR 54104-**-29 -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY KTOJO	DATE '04/07/09					
		30 OVER	±0.3	APPROVED BY NUKITA	DATE '04/07/09	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-54104-078		2 OF 2			
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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