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Part Number:0522071685

Status:Active

Overview:

Description:1.00mm (.039") Pitch FFC/FPC Connector, SMT, Right Angle, ZIF, Top Contact Style Receptacle, 16 Circuits, Lead-free, High Barrier Packaging

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not 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

52207Series

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

52207

Overview

ffc_fpc_smt

Product Name

N/A

Physical

Circuits (Loaded)

16

Color - Resin

Natural

Contact Position

Top

Durability (mating cycles max)

30

Entry Angle

90° Angle

Flammability

94V-0

Mated Height (in)

0.106 In

Mated Height (mm)

2.70 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin-Bismuth

Material - Resin

Nylon

Number of Rows

1

Orientation

Right Angle

PC Tail Length (in)

0.079 In

PC Tail Length (mm)

2.00 mm

PCB Locator

No

PCB Retention

Yes

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.039 In

Pitch - Mating Interface (mm)

1.00 mm

Polarized to PCB

Yes

Stackable

No

Temperature Range - Operating

-30°C to +85°C

Termination Interface: Style

Surface Mount

Wire/Cable Type

FFC/FPC

Electrical

Current - Maximum per Contact

1A

Voltage - Maximum

125V

Material Info

Reference - Drawing Numbers

Packaging Specification

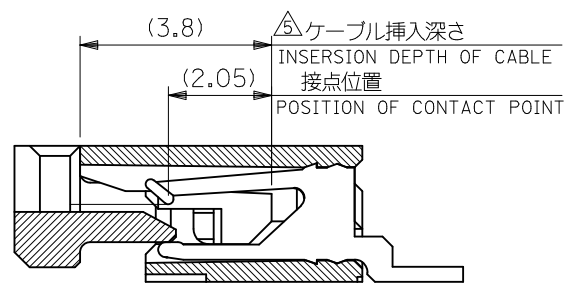
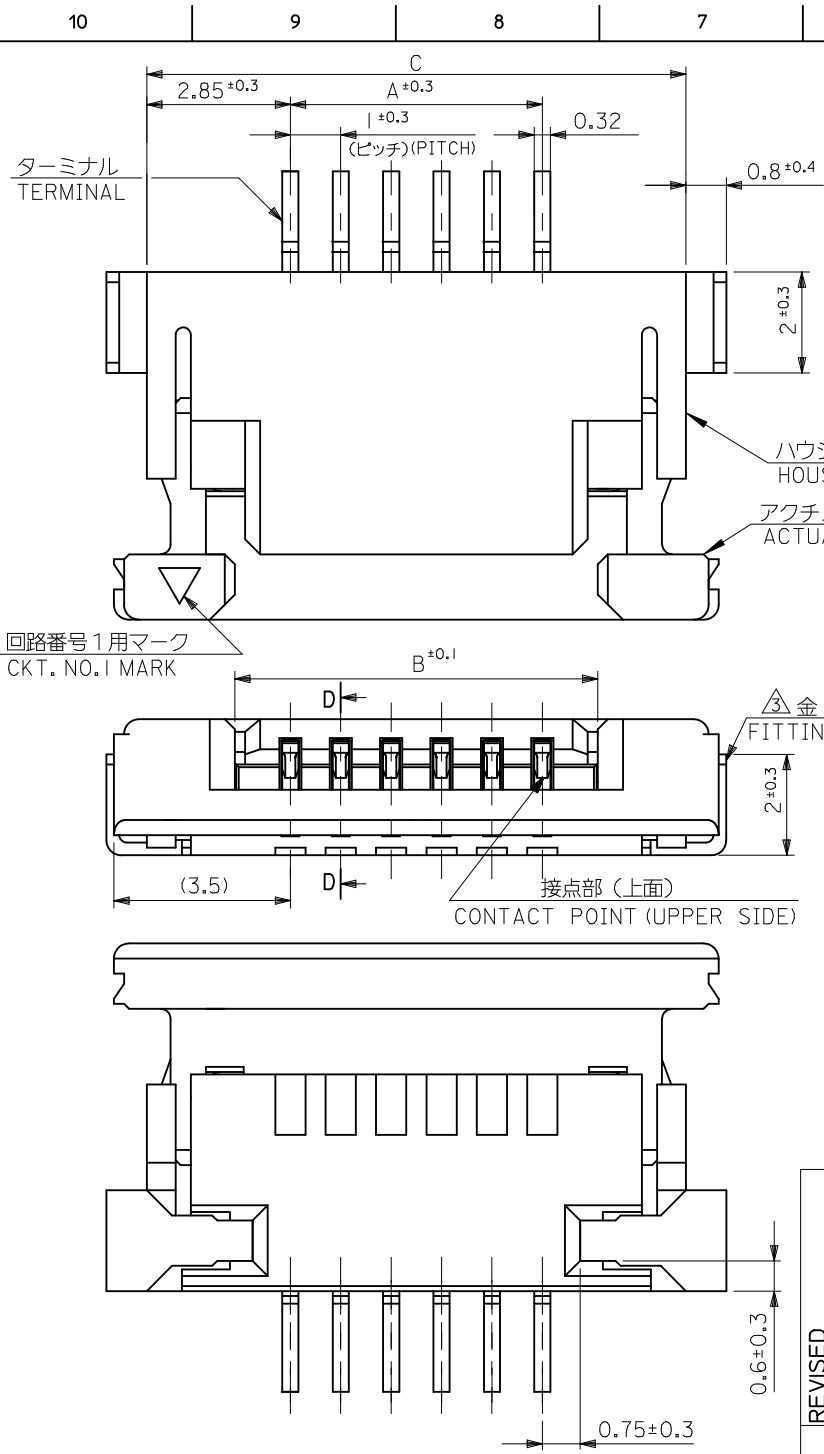
SPK-52207-001, SPK-52207-002

Product Specification

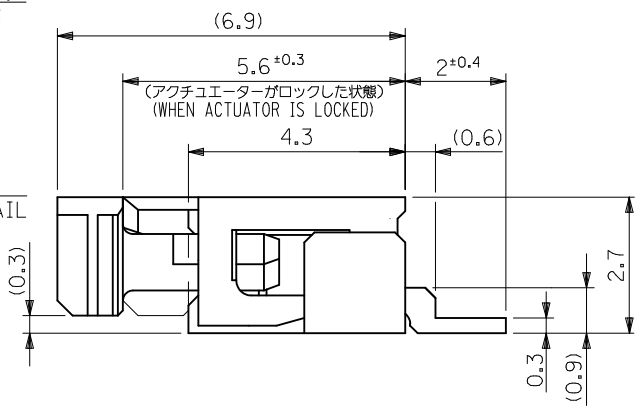
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This document was generated on 06/04/2010

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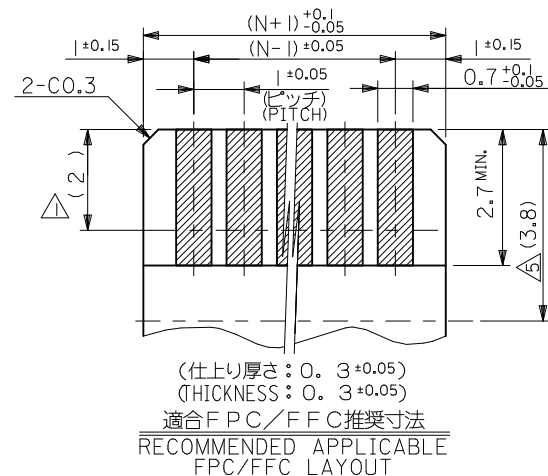
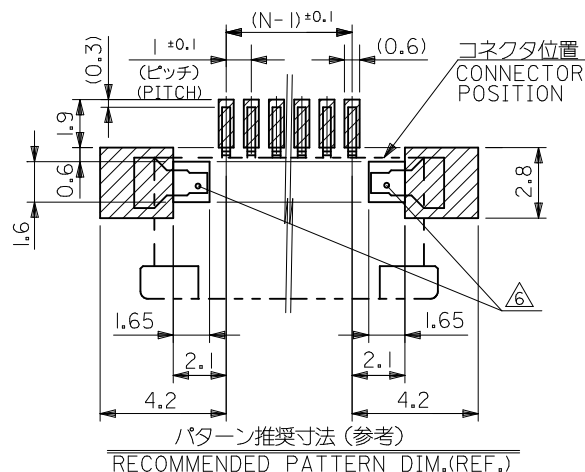
断面D-D
SECT.D-D



38.7	35.2	33	52207-0685	34
34.7	31.2	29	52207-0685	30
33.7	30.2	28	52207-0685	29
32.7	29.2	27	52207-0685	28
31.7	28.2	26	52207-0685	27
30.7	27.2	25	52207-0685	26
29.7	26.2	24	52207-0685	25
28.7	25.2	23	52207-0685	24
27.7	24.2	22	52207-0685	23
26.7	23.2	21	52207-0685	22
25.7	22.2	20	52207-0685	21
24.7	21.2	19	52207-0685	20
23.7	20.2	18	52207-0685	19
22.7	19.2	17	52207-0685	18
21.7	18.2	16	52207-0685	17
20.7	17.2	15	52207-0685	16
19.7	16.2	14	52207-0685	15
18.7	15.2	13	52207-0685	14
17.7	14.2	12	52207-0685	13
16.7	13.2	11	52207-0685	12
15.7	12.2	10	52207-0685	11
14.7	11.2	9	52207-0685	10
13.7	10.2	8	52207-0685	9
12.7	9.2	7	52207-0685	8
11.7	8.2	6	52207-0685	7
10.7	7.2	5	52207-0685	6
9.7	6.2	4	52207-0585	5
8.7	5.2	3	52207-0485	4
7.7	4.2	2	52207-0385	3
C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	極数 CIRCUITS

CONNECTOR SERIES NO. 52207-**-19

REVISED EC NO: J2010-2456 DRWN:HUGAWA 2010/06/04 CHKD:ISHIMOTOYAMA 2010/06/04 APPR:KMORI KAWA 2010/06/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		
				MM ONLY		---		METRIC				
		10 UNDER		±0.2	DRAWN BY	DATE	TITLE 1.0 PITCH FPC CONN. ZIF SMT -LEAD FREE-					
		10 OVER 30 UNDER		±0.25	CHECKED BY	DATE						
		30 OVER		±0.3	APPROVED BY	DATE						
	ANGULAR ±3 °		MSASAO		DATE	MOLEX INCORPORATED						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.							SHEET NO.
REV					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



注記 NOTES

- △ 接点部までの嵌合長さ。
LENGTH TO CONTACT POINT.
2. 使用材料 MATERIAL
- ハウジング : 46ナイロン (耐熱性), UL94V-0
 - アクチュエータ : PPS, UL94V-0
 - ターミナル : PPS, UL94V-0
 - ターミナル : 銅・ブラスメッキ
 - TERMINAL : PHOSPHOR BRONZE
 - TERMINAL : 銅・ブラスメッキ 1.0マイクロメートル以上
 - TERMINAL : TIN BISMUTH 1.0 MICROMETER MINIMUM
 - TERMINAL : ニッケル下地 1.0マイクロメートル以上
 - TERMINAL : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
 - 金具 : 銅合金
 - FITTING NAIL : COPPER ALLOY
 - FITTING NAIL : 銅メッキ 1.0マイクロメートル以上
 - FITTING NAIL : TIN 1.0 MICROMETER MINIMUM
 - FITTING NAIL : ニッケル下地 1.0マイクロメートル以上
 - FITTING NAIL : NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
- △ パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B. PATTERN.
4. 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. 52207-**-19 SHOULD BE LOCKED.
- △ ケーブル挿入深さ
INSERTION DEPTH OF CABLE.
- △ パターン書き込み禁止エリア。
NO FOOT PRINT AREA.
7. 本製品は 52207-**-17 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52207-**-17.
8. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

FPCについて :

打抜き方向は導体側から補強板を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

SEE SHEET 1 EC NO: J2010-2456 DRWN:HUGAWA CHKD:SHIMOMURA APPR:KMORIKAWA 2010/06/04 2010/06/04 2010/06/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY MNINOMIY	DATE '04/02/06	TITLE 1.0 PITCH FPC CONN ZIF SMT -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTOJO	DATE '04/02/06				
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE '04/02/06	MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1 OF 2		SD-52207-060		2 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

F

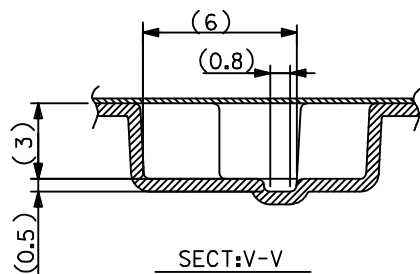
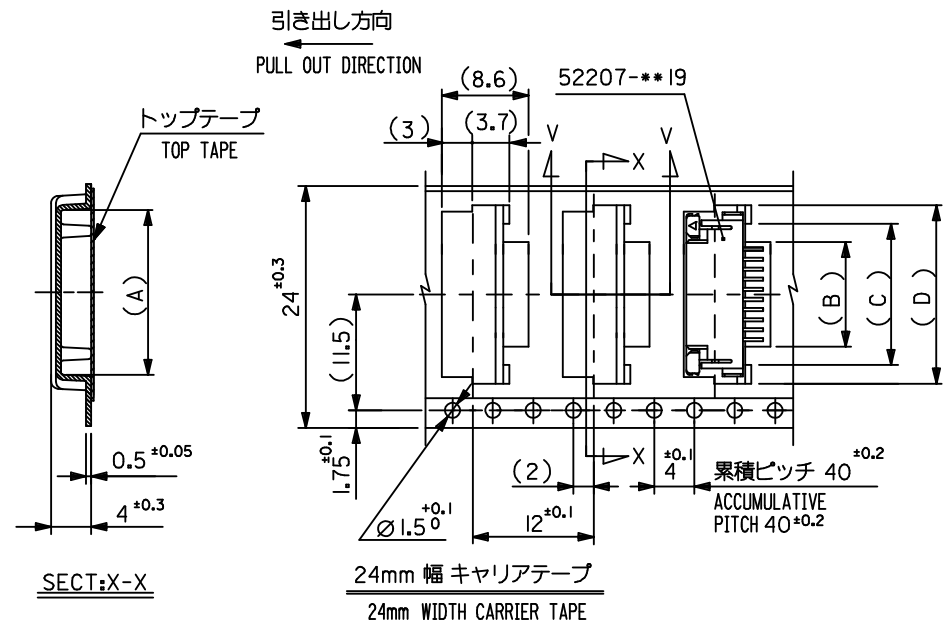
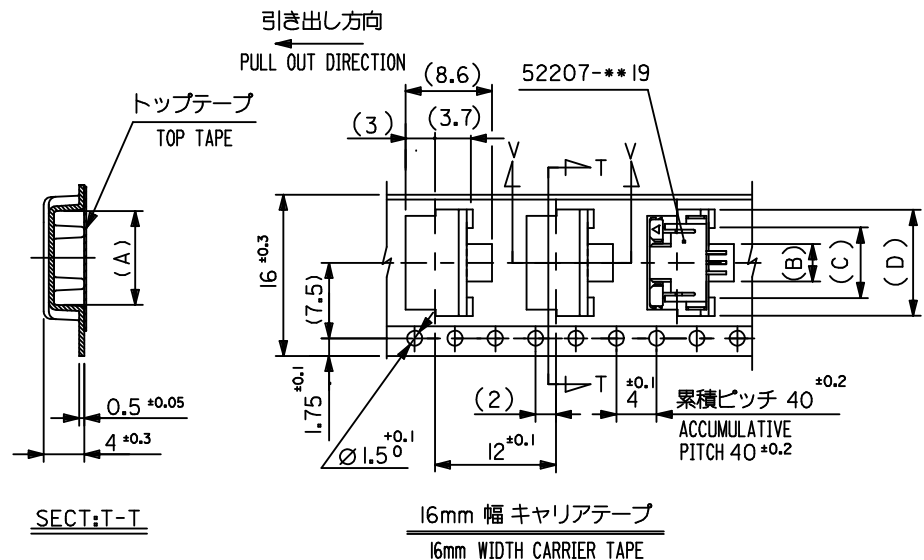
E

D

C

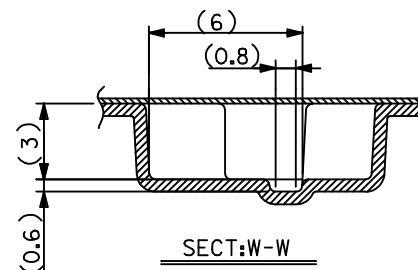
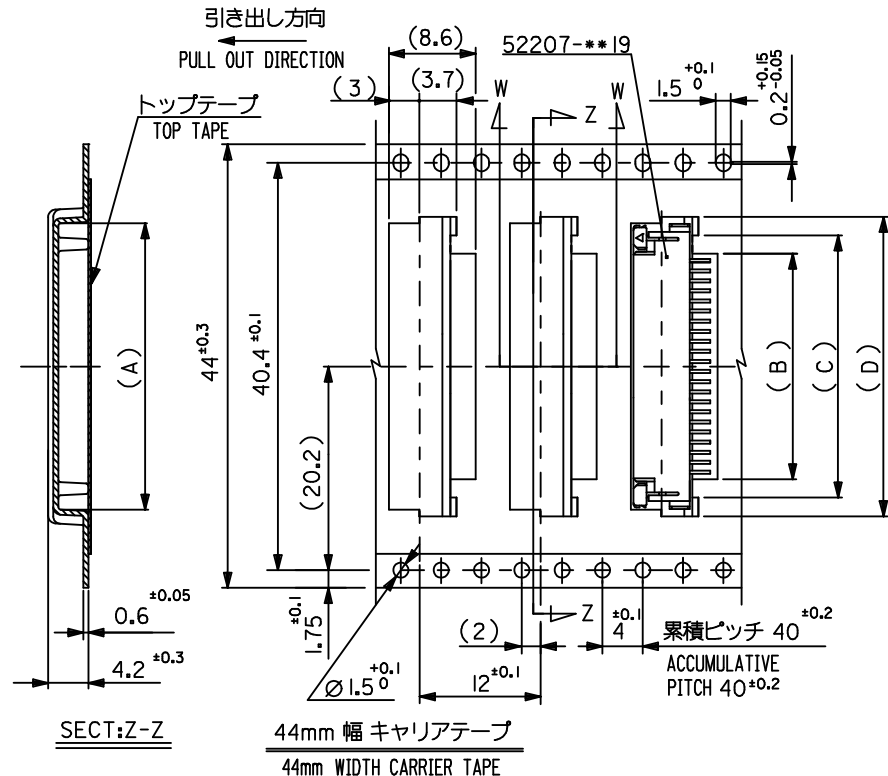
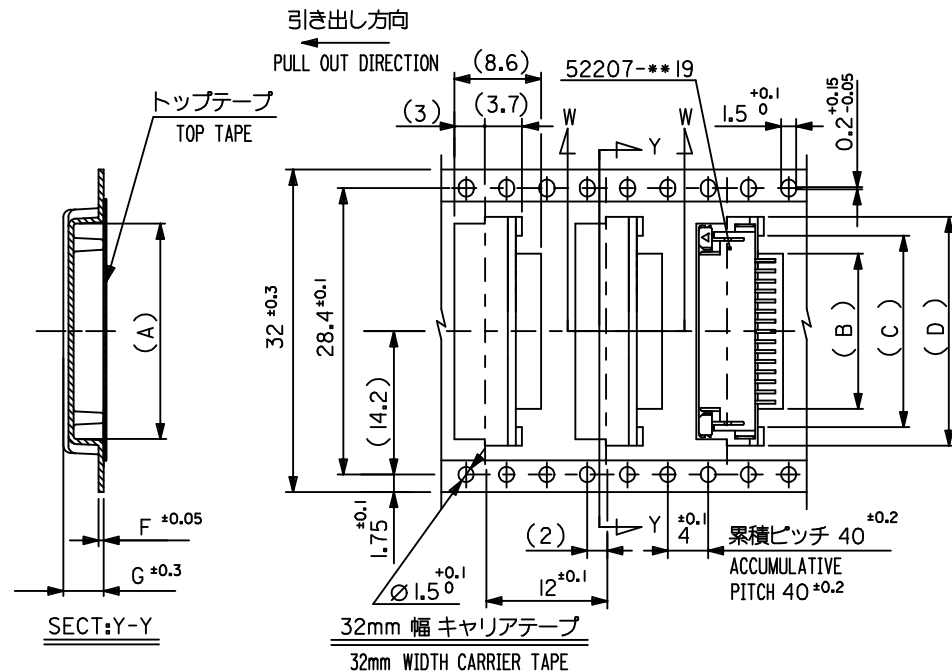
B

A



24	29.4	25.4	18.5	15	11.7	17.3	52207-1185	11	
			17.5	14	10.7	16.3	4 - 1085	10	
			16.5	13	9.7	15.3	-0985	9	
			15.5	12	8.7	14.3	-0885	8	
			14.5	11	7.7	13.3	-0785	7	
			13.5	10	6.7	12.3	-0685	6	
			12.5	9	5.7	11.3	-0585	5	
			11.5	8	4.7	10.3	7 -0485	4	
52207-**85	16	21.4	17.4	10.5	7	3.7	9.3	52207-0385	3
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO.: J2009-2061 2009/05/20 DRWN:TKN CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY M.NINOMIYA	DATE 2004/02/06	TITLE EMBOSSD TAPE PACKAGE FOR 52207-***19 -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY K.TOJO	DATE 2004/02/06					
		30 OVER	±0.3	APPROVED BY M.SASAO	DATE 2004/02/06	MOLEX INCORPORATED				
		ANGULAR	±3°	MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			SD-52207-061			1 OF 3	
	REV B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



32	37.4	33.4	4.0	0.5	23.5	20	16.7	22.35	52207-1685	I6
			4.2	0.6	22.5	19	15.7	21.35	4-1585	I5
			4.2	0.6	21.5	18	14.7	20.35	-1485	I4
			4.2	0.6	20.5	17	13.7	19.35	7-1385	I3
			4.2	0.6	19.5	16	12.7	18.35	52207-1285	I2
キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(G)	(F)	(D)	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

44	49.4	45.4	34.5	31	27.7	33.35	52207-2785	27
			33.5	30	26.7	32.35	4-2685	26
			32.5	29	25.7	31.35	-2585	25
			31.5	28	24.7	30.35	-2485	24
			30.5	27	23.7	29.35	-2385	23
			29.5	26	22.7	28.35	-2285	22
			28.5	25	21.7	27.35	-2185	21
			27.5	24	20.7	26.35	-2085	20
			26.5	23	19.7	25.35	-1985	19
			25.5	22	18.7	24.35	7-1885	18
			24.5	21	17.7	23.35	52207-1785	17
キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2009-2061 2009/05/20 DRWN:TKN CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA 2009/05/21	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY M.NINOMIYA	DATE 2004/02/06	TITLE EMBOSSD TAPE PACKAGE FOR 52207-**19 -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY K.TOJO	DATE 2004/02/06					
		30 OVER	±0.3	APPROVED BY M.SASAO	DATE 2004/02/06	MOLEX INCORPORATED				
		ANGULAR	±3°	MATERIAL NO. SEE TABLE						
		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

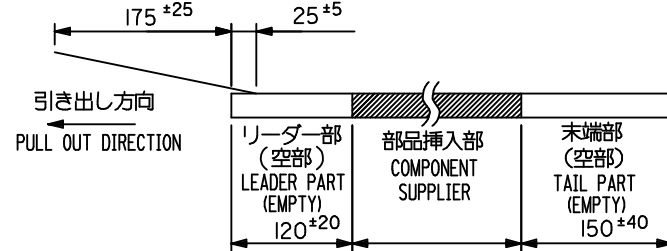
注記

1. 製品番号 52207-***19 の梱包状態はアクチュエータがロックした状態とする。
 詳細寸法については図面 SD-52207-060 を参照下さい。
 IN THE PACKAGE, ACTUATOR OF PART NO. 52207-***19 SHOULD BE LOCKED
 RE DETAILED DIMENSIONS, SEE SD-52207-060

2. 梱包数量：1000個/リール
 NUMBER OF CONNECTORS：1000PCS/REEL

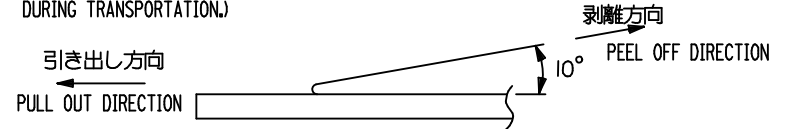
3. リードテープ長さ(LEAD TAPE LENGTH)

トップテープ TOP TAPE
 リーダー部 LEADER PART
 未接着部 NON-BONDED PART



4. トップテープの剥離強度：(剥離方向は下図参照)
 0.1N ~ 1.3N(10gf ~ 130gf) MAX.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事。)

PEELING OFF FORCE OF TOP TAPE :0.1N ~ 1.3N(10gf ~ 130gf) MAX.
 (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
 THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.(PEEL OFF SHOULD NOT BE ALLOWED ,
 DURING TRANSPORTATION.)

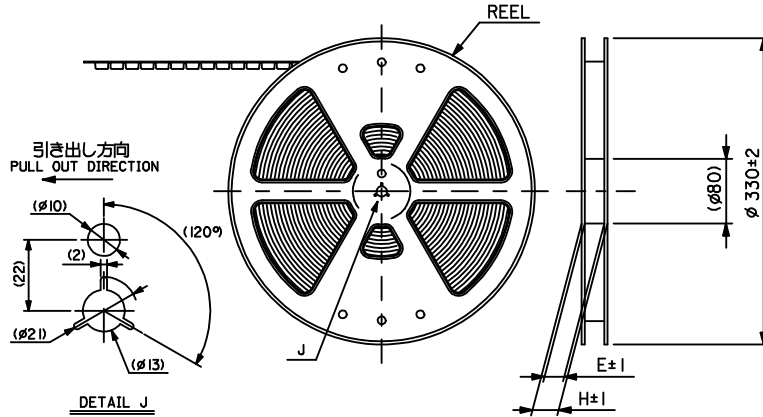


5. 材料 (MATERIAL)

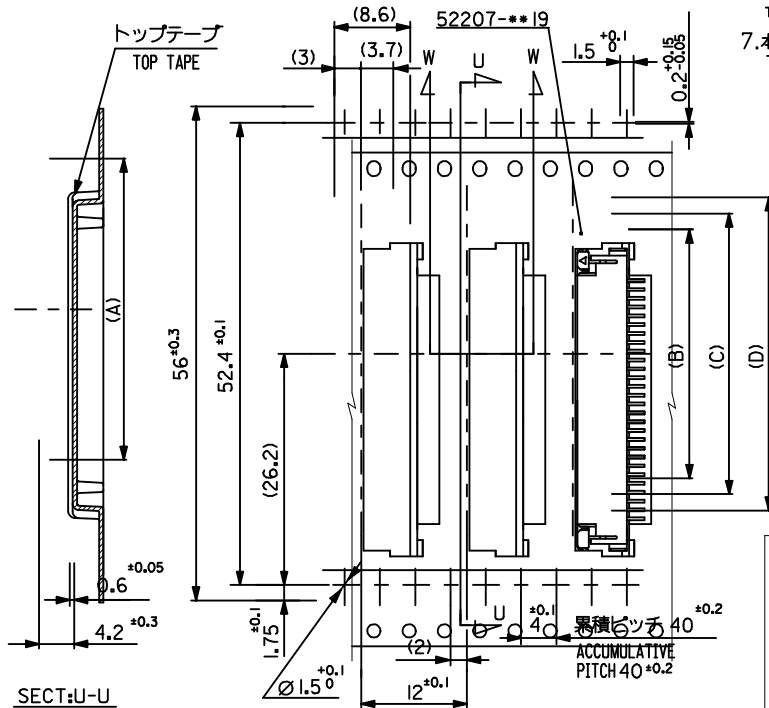
キャリアテープ (CARRIER TAPE)：ポリプロピレン (POLYPROPYLENE)
 トップテープ (TOP TAPE)：PET, PE, PEF
 リール (REEL)：ポリスチレン (PS) <リサイクル材を含む>
 POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>

52207-***85	MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	MATERIAL NO.	極致 CKT.

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
10 UNDER		DRAWN BY	DATE	TITLE EMBOSSED TAPE PACKAGE FOR 52207-***19 -LEAD FREE-			
10 OVER 30 UNDER		M. NINOMIYA	2004/02/06				
30 OVER		CHECKED BY	DATE	MOLEX INCORPORATED			
		K. TOJO	2004/02/06				
ANGULAR		APPROVED BY	DATE	SD-52207-061			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		M. SASAO	2004/02/06	DOCUMENT NO.		SHEET NO.	
		SEE TABLE		SD-52207-061		3 OF 3	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



DETAIL J



SECT:U-U

56mm 幅 キャリアテープ
 56mm WIDTH CARRIER TAPE