molex
one company > a world of innovation

This document was generated on 06/04/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0522070685
Status: Active
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Right Angle, ZIF, Top Contact Style Receptacle, 6 Circuits, Lead-free, High Barrier Packaging

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)	6
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	PS-52207-047, RPS-52207-063, RPS-52207-065, RPS-52207-067, RPS-52207-069, RPS-52207-072, RPS-52207-079, RPS-52207-080, RPS-52207-081, RPS-52207-082, RPS-52207-083, RPS-52207-086, RPS-52207-087, RPS-52207-088, RPS-52207-091, RPS-52207-093, RPS-52207-096, RPS-52207-097,

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

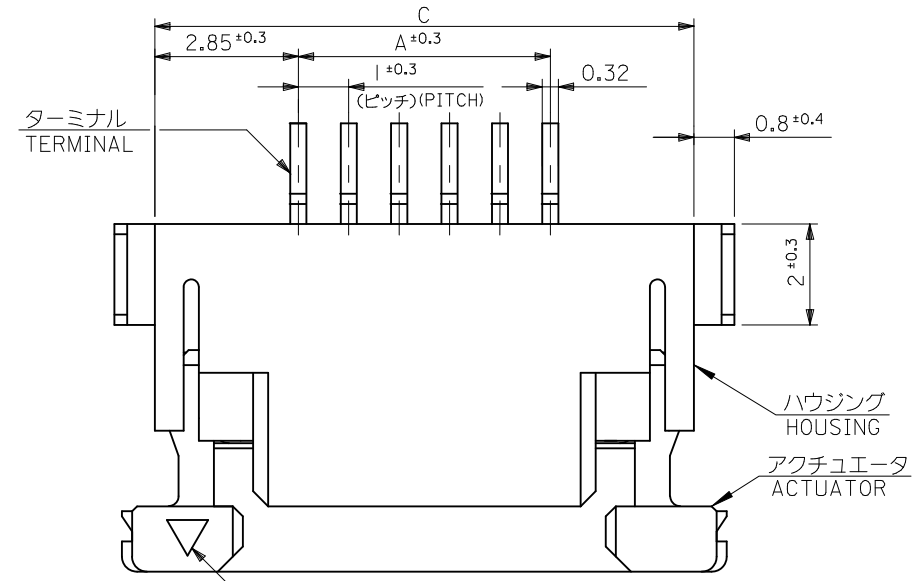
Please visit the Contact Us section for any non-product compliance questions.

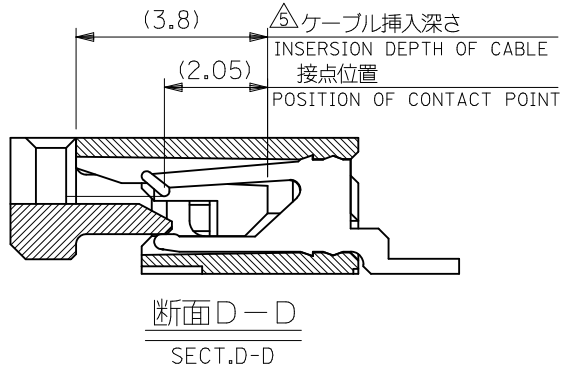
Search Parts in this Series
52207Series

Sales Drawing	RPS-52207-098, RPS-52207-100, RPS-52207-102, RPS-52207-103, RPS-52207-107 SD-52207-060, SD-52207-061

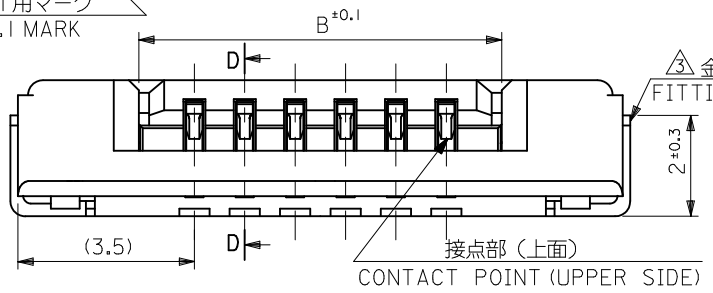
This document was generated on 06/04/2010

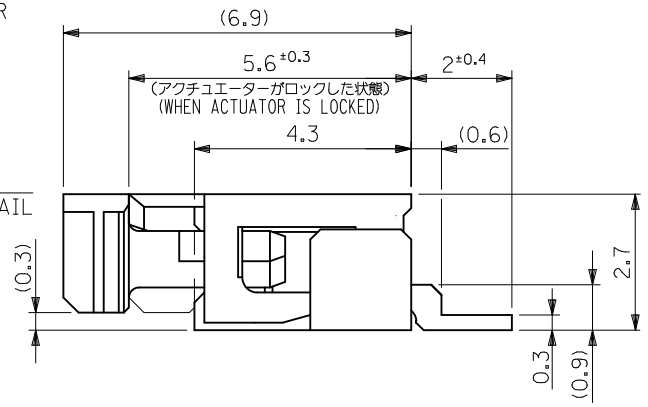
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

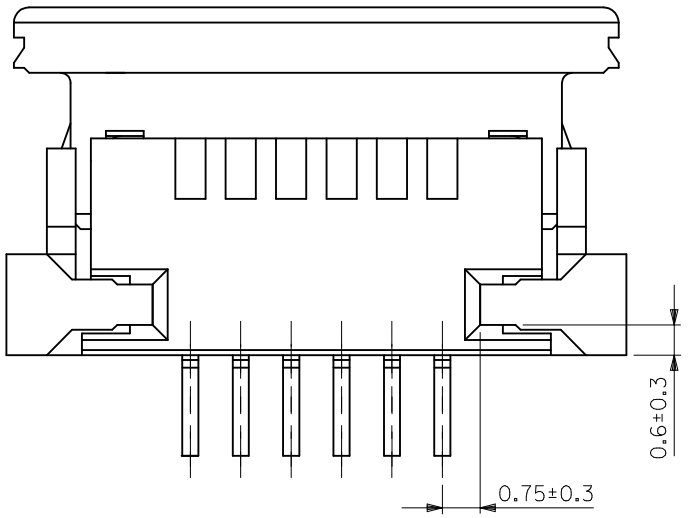




断面D－D
SECT.D-D







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
CH'KD:HSHIMOYAMA 2010/06/04
APPR:KMORIKAWA 2010/06/07
DESCRIPTION
REV C

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

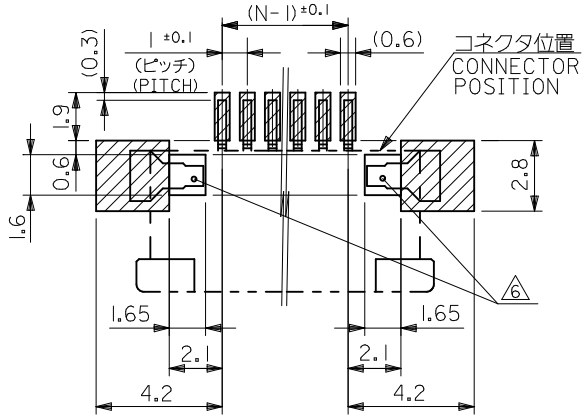
DRAWN BY	MNINOMIY
DATE	'04/02/06
CHECKED BY	KTOJO
DATE	'04/02/06
APPROVED BY	MSASAO
DATE	'04/02/06
MATERIAL NO.	SEE TABLE

TITLE: 1.0 PITCH FPC CONN. ZIF SMT -LEAD FREE-

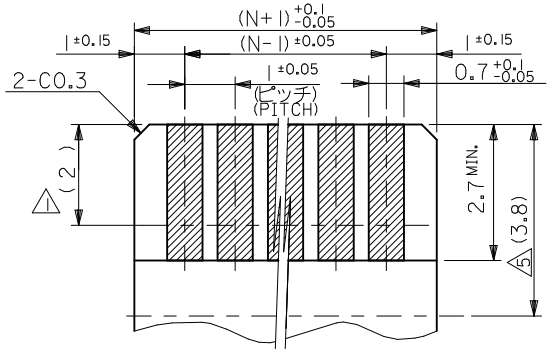
MOLEX INCORPORATED

DOCUMENT NO.: SD-52207-060
SHEET NO.: 1 OF 2
SIZE: A3

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



パターン推奨寸法（参考）
RECOMMENDED PATTERN DIM.(REF.)



（仕上り厚さ：0．3±0.05）
(THICKNESS：0．3±0.05)
適合ＦＰＣ／ＦＦＣ推奨寸法
RECOMMENDED APPLICABLE FPC/FFC LAYOUT

注記 NOTES

1 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 HOUSING ：４６ナイロン（耐熱性），ＵＬ９４Ｖ－０ ：46NYLON, UL94V-0
アクチュエータ ACTUATOR ：ＰＰＳ，ＵＬ９４Ｖ－０ ：PPS, UL94V-0
ターミナル TERMINAL ：リン青銅 ：PHOSPHOR BRONZE
：錫・ビスマスメッキ 1.0マイクロメートル以上 ：TIN BISMUTH 1.0 MICROMETER MINIMUM
：ニッケル下地 1．0マイクロメートル以上 ：NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM
金具 FITTING NAIL ：銅合金 ：COPPER ALLOY
：錫メッキ 1．0マイクロメートル以上 ：TIN 1.0 MICROMETER MINIMUM
：ニッケル下地 1．0マイクロメートル以上 ：NICKEL(UNDER PLATING) 1.0 MICROMETER MINIMUM

3 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.

5 ケーブル挿入深さ
INSERTION DEPTH OF CABLE.

6 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 2010/06/04
CH'KD:HSHIMOYAMA 2010/06/04
APPR:KMORIKAWA 2010/06/07
DESCRIPTION
REV C

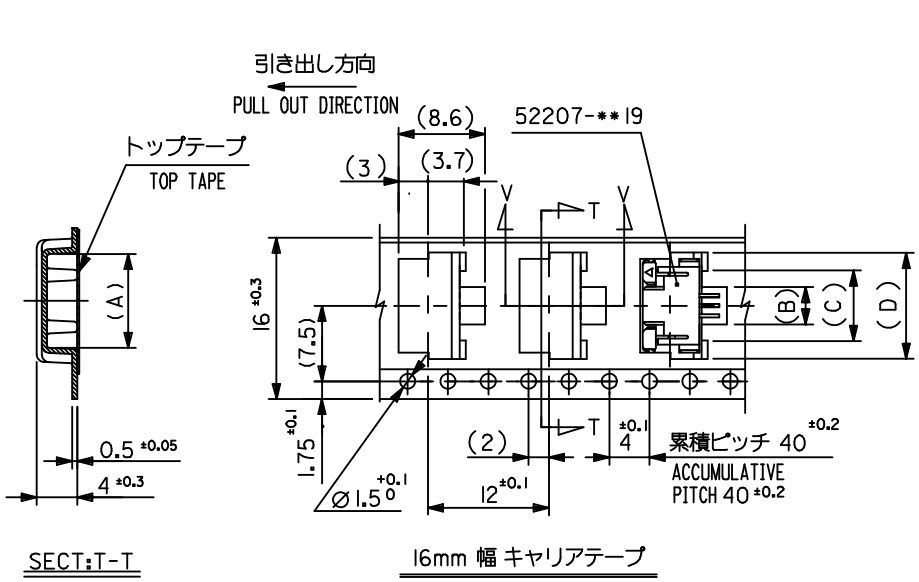
GENERAL TOLERANCES (UNLESS SPECIFIED)

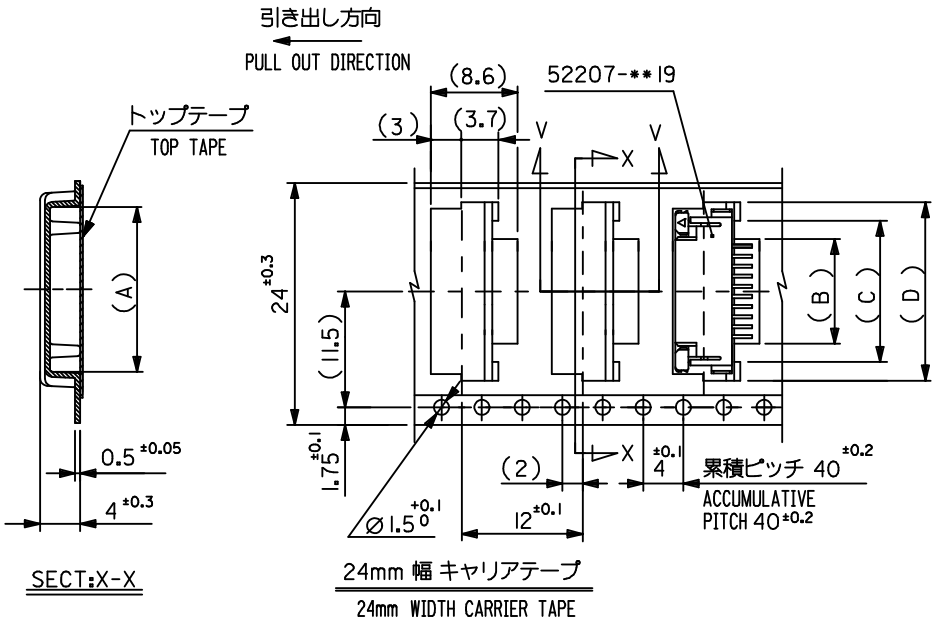
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

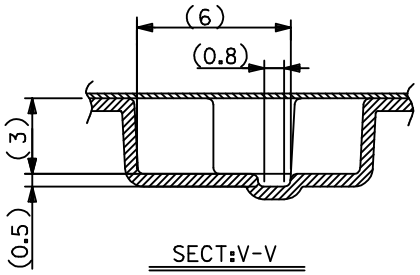
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	MNINOMIY
DATE	'04/02/06
CHECKED BY	KTOJO
DATE	'04/02/06
APPROVED BY	MSASAO
DATE	'04/02/06
MATERIAL NO.	SEE SHEET 1 OF 2
TITLE	1.0 PITCH FPC CONN ZIF SMT -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-52207-060
SHEET NO.	2 OF 2
SIZE	A3

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







MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.
	24	29.4	25.4	18.5	15	11.7	17.3	52207-1185	11
				17.5	14	10.7	16.3	-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	-0485	4
52207-**85	16	21.4	17.4	10.5	7	3.7	9.3	52207-0385	3

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CHKD:MATSUMOTO
APPR:NUKITA
DESCRIPTION
REV B

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3°

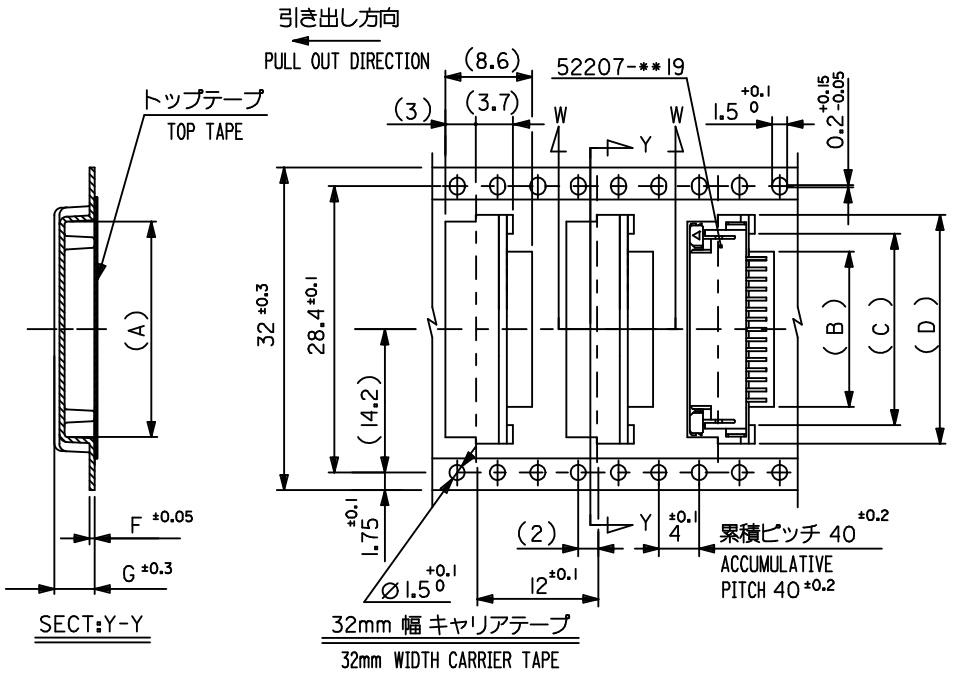
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

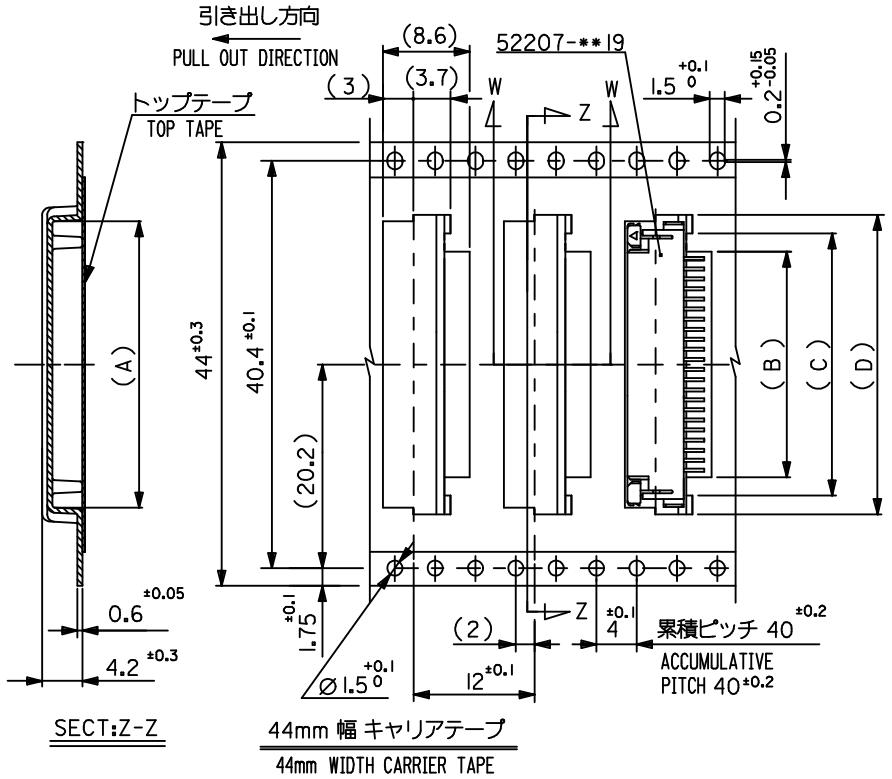
DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

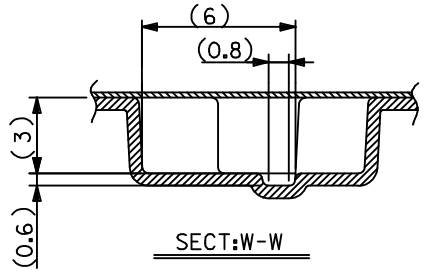
DRAWN BY: M.NINOMIYA DATE: 2004/02/06
CHECKED BY: K.TOJO DATE: 2004/02/06
APPROVED BY: M.SASAO DATE: 2004/02/06
MATERIAL NO.: SEE TABLE

TITLE: EMBOSSED TAPE PACKAGE FOR 52207-**19 -LEAD FREE-
MOLEX INCORPORATED
DOCUMENT NO.: SD-52207-061
SHEET NO.: 1 OF 3
SIZE: A3

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







キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(G)	(F)	(D)	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.
32	37.4	33.4	4.0	0.5	23.5	20	16.7	22.35	52207-1685	16
			4.2	0.6	22.5	19	15.7	21.35	4 -1585	15
			4.2	0.6	21.5	18	14.7	20.35	-1485	14
			4.2	0.6	20.5	17	13.7	19.35	▽ -1385	13
			4.2	0.6	19.5	16	12.7	18.35	52207-1285	12

キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(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	▽ -1885	18
			24.5	21	17.7	23.35	52207-1785	17

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CHK'D:HMATSUMOTO 2009/05/21
APPR:NUKITA
DESCRIPTION
REV B

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	M.NINOMIYA
DATE	2004/02/06
CHECKED BY	K.TOJO
DATE	2004/02/06
APPROVED BY	M.SASAO
DATE	2004/02/06
MATERIAL NO.	SEE TABLE
SIZE	A3

TITLE: EMBOSSED TAPE PACKAGE FOR 52207-**19 -LEAD FREE-

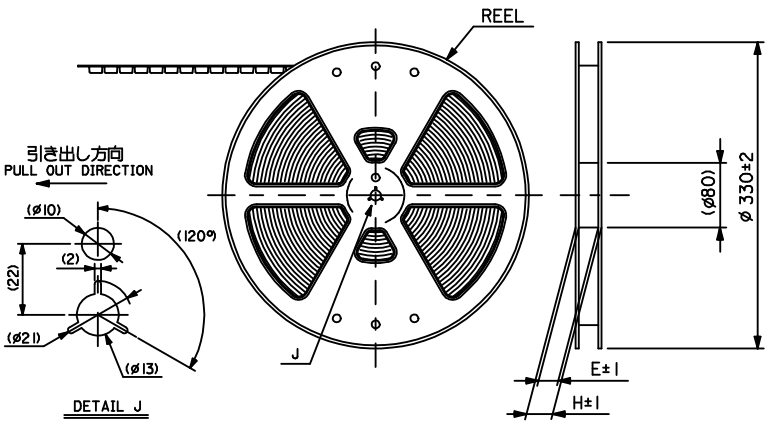
molex MOLEX INCORPORATED

DOCUMENT NO. SD-52207-061

SHEET NO. 2 OF 3

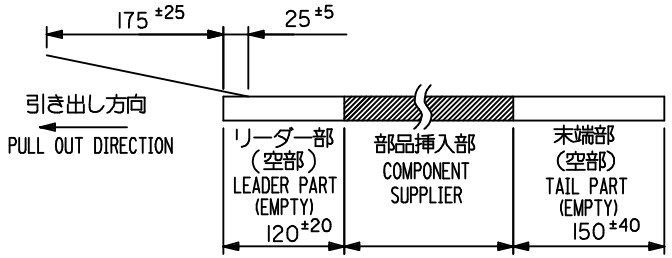
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

52207-**85
MODEL NO.

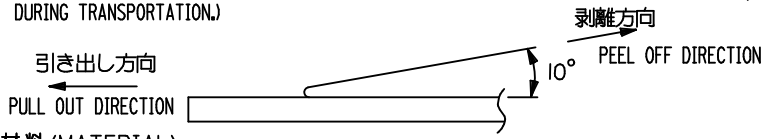


注記

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)



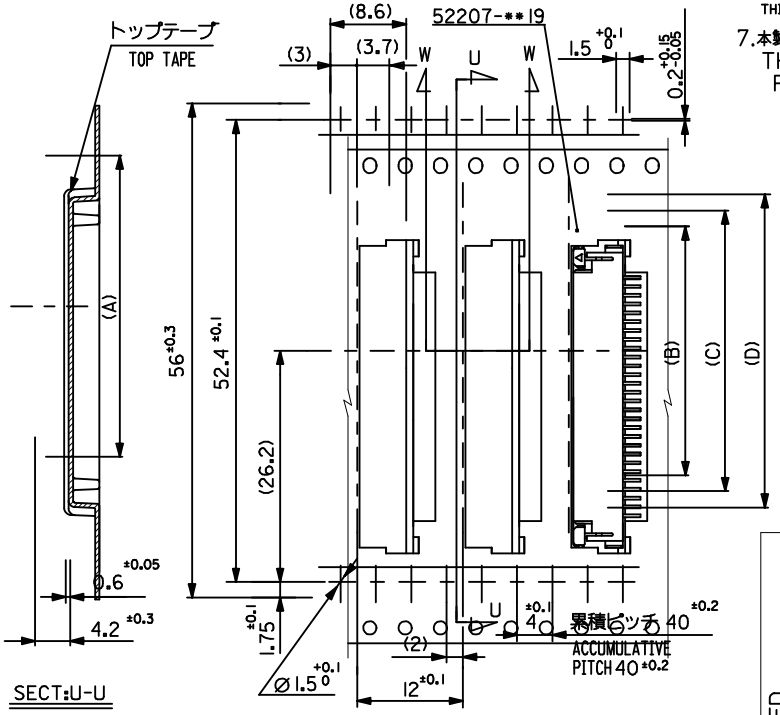
4. トップテープの剥離強度：（剥離方向は下図参照）
0.1N ～1.3N{10gf ～130gf}MAX.尚、本規格値は、出荷時に適用。
（但し、輸送時に剥離が発生しない事。）
PEELING OFF FORCE OF TOP TAPE :0.1N ～ 1.3N{10gf ～ 130gf} MAX.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT. (PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.)



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 (TOPTAPE) : 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>

6. 本製品は 52207-**90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52207-**90.

7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.



MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.
52207-**85	56	61.4	57.4	41.5	38	34.7	40.35	52207-3485	34
				37.5	34	30.7	36.35	52207-3085	30
				36.5	33	29.7	35.35	52207-2985	29
				35.5	32	28.7	34.35	52207-2885	28

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CHKD:HMATSUMOTO
APPR:NUKITA
DESCRIPTION
REV B

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: M.NINOMIYA DATE: 2004/02/06
CHECKED BY: K.TOJO DATE: 2004/02/06
APPROVED BY: M.SASAO DATE: 2004/02/06
MATERIAL NO.: SEE TABLE

TITLE: EMBOSSED TAPE PACKAGE FOR 52207-**19 -LEAD FREE-
molex MOLEX INCORPORATED
DOCUMENT NO.: SD-52207-061
SHEET NO.: 3 OF 3
SIZE: A3

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