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Part Number: [0522072885](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Right Angle, ZIF, Top Contact Style Receptacle, 28 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) 28
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?

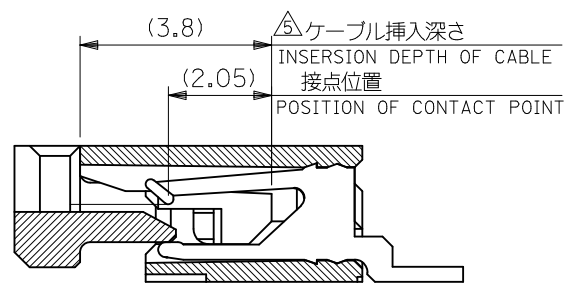
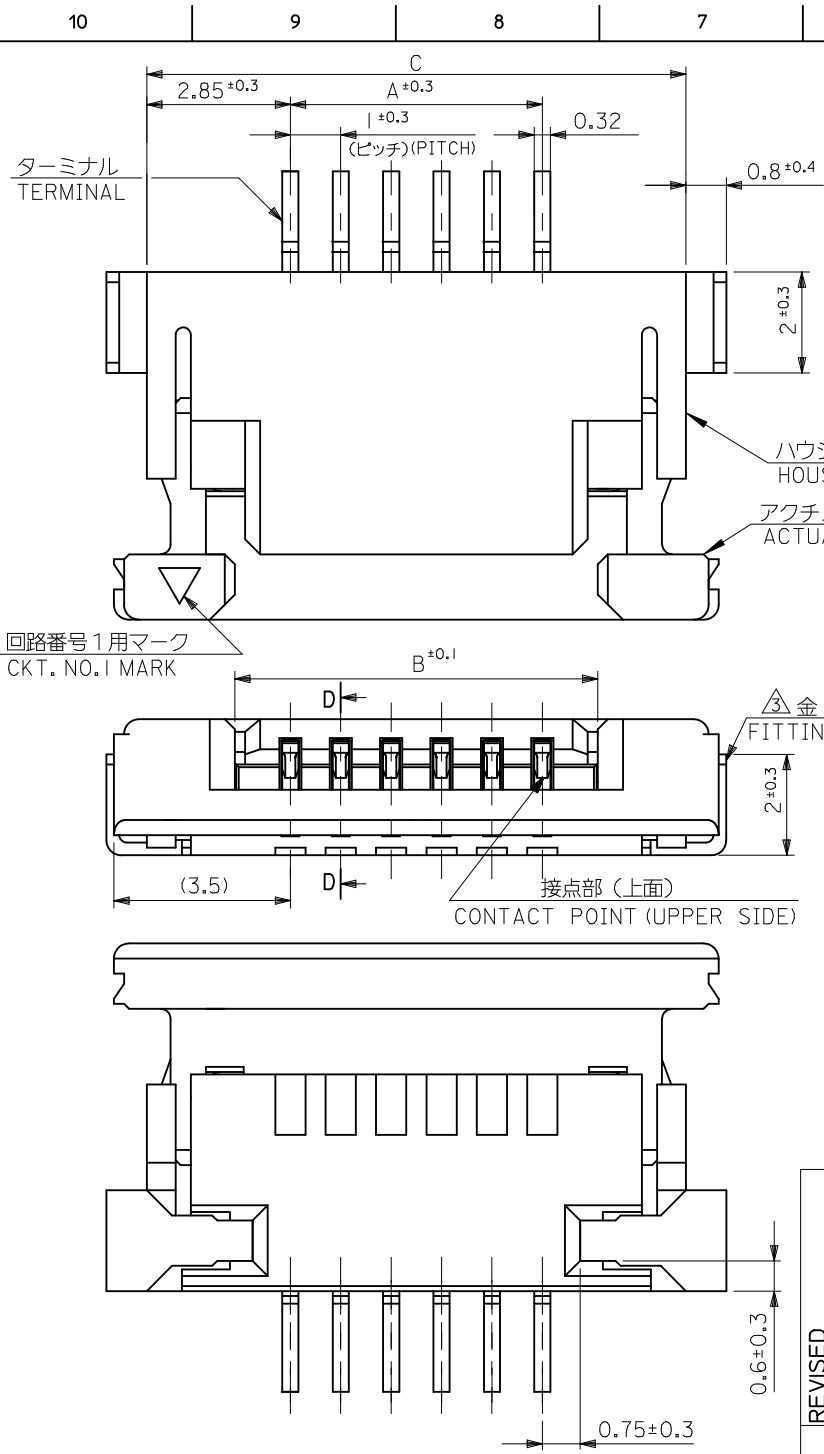
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

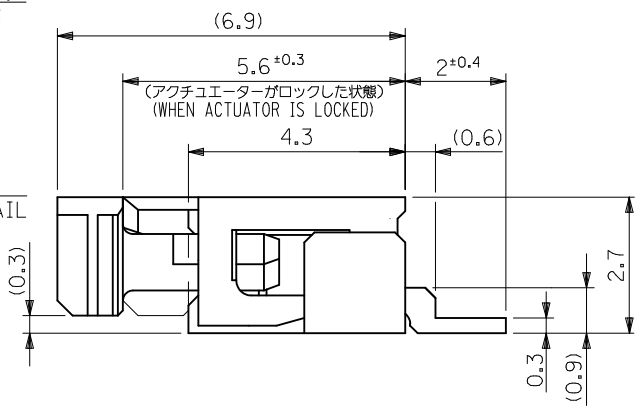
Search Parts in this Series
[52207Series](#)

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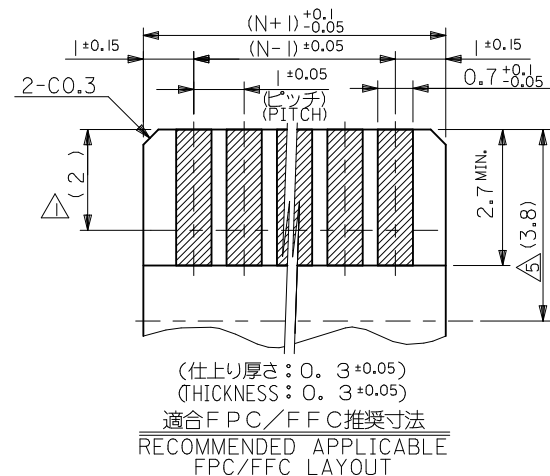
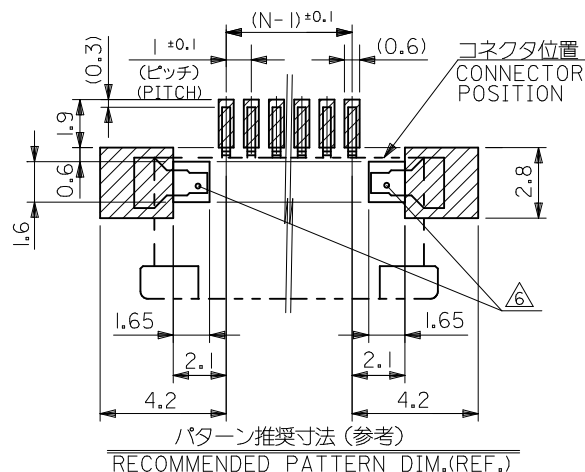
断面D-D
SECT.D-D



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	EMBOSSD 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:SHISHIMOTOYAMA 2010/06/04 APPR:KMORI KAWA 2010/06/07	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 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	MOLEX MOLEX INCORPORATED					
		ANGULAR ±3 °		MSASAO	'04/02/06							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.				SHEET NO.			
SEE TABLE			SD-52207-060				1 OF 2					
		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
TERMINAL : PHOSPHOR BRONZE
銅・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
銅合金
FITTING NAIL : COPPER ALLOY
銅メッキ 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
- △ 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 DRAWN:HUGAWA CHKD:SHIMOMIYAMA APPR:KIMORI KAWA	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.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1 OF 2		SD-52207-060			2 OF 2

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

F

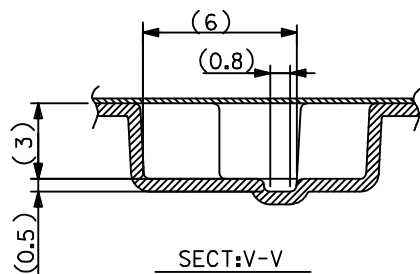
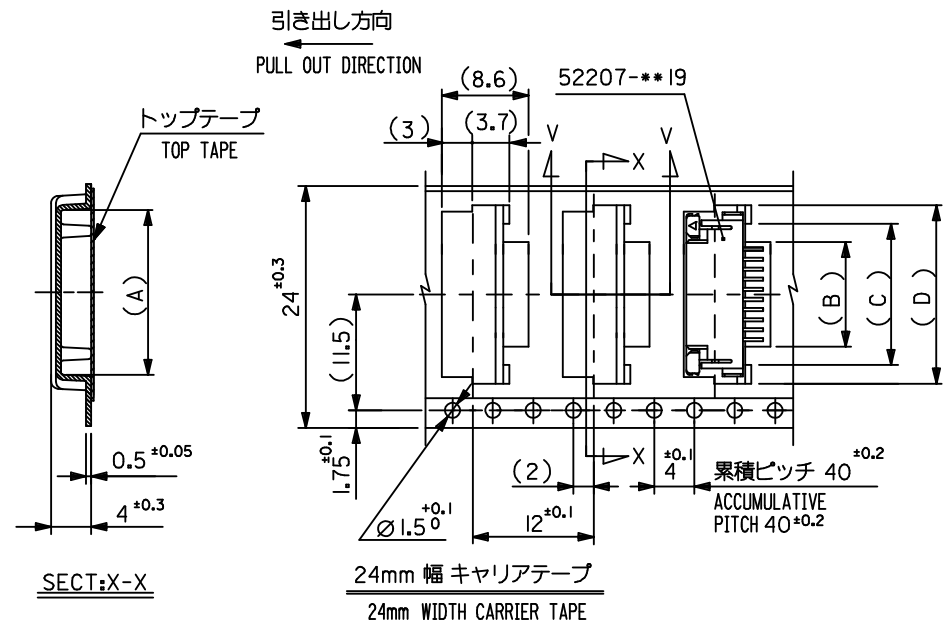
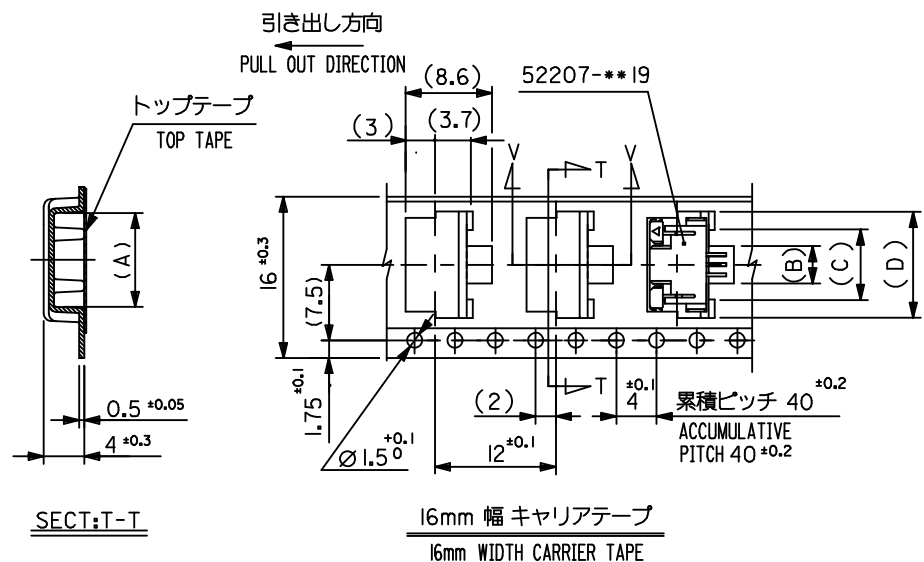
E

D

C

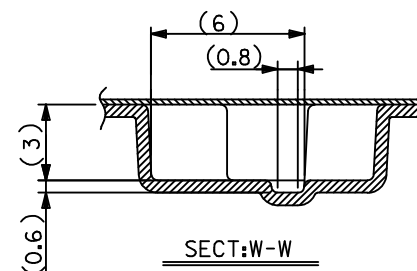
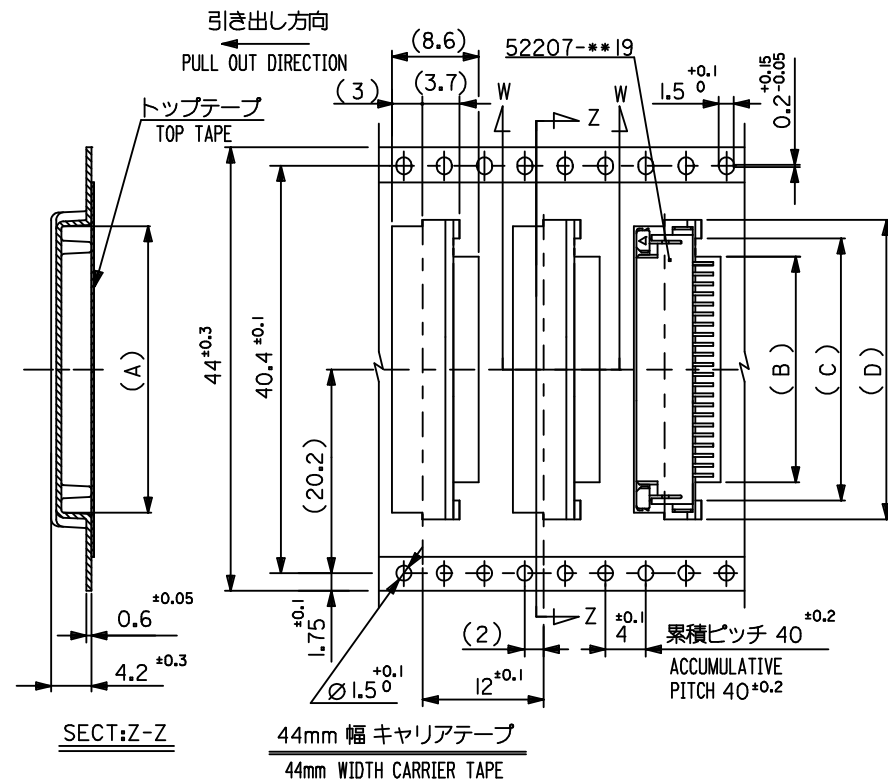
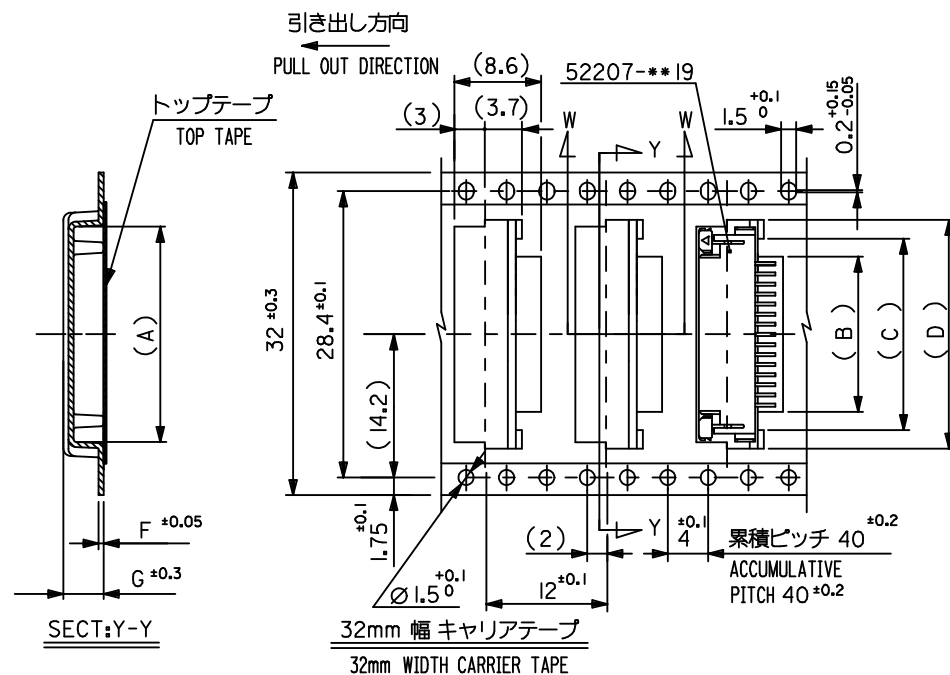
B

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	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	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	1 - 1485	14
			4.2	0.6	20.5	17	13.7	19.35	7 - 1385	13
			4.2	0.6	19.5	16	12.7	18.35	52207 - 1285	12
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 DRAWN:TKON CHKD:HATSUMOTO APPR:NUKITA	2009/05/20 2009/05/21 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				
				ANGULAR	± 3	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52207-061		2 OF 3	
				REV	B		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

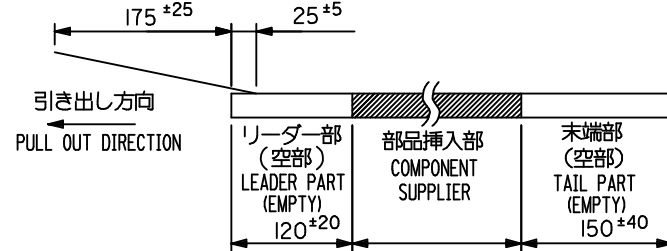
注記

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

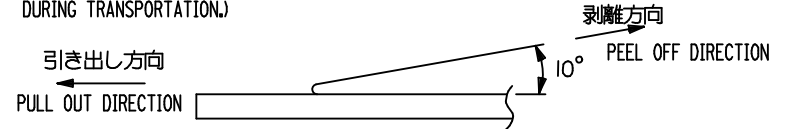
3. リードテープ長さ(LEAD TAPE LENGTH)

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.)

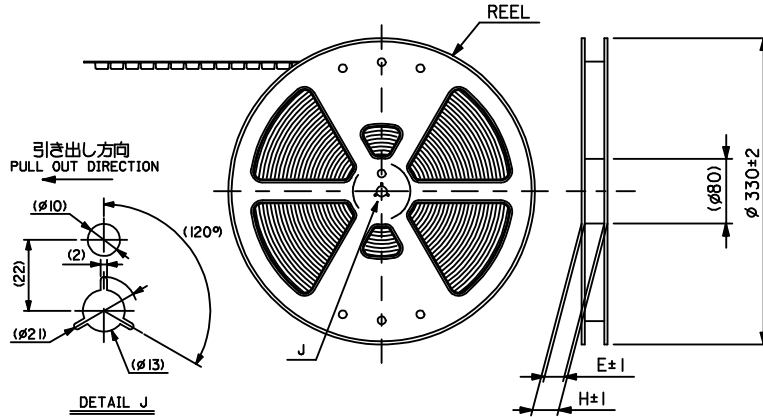


5. 材料 (MATERIAL)

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>

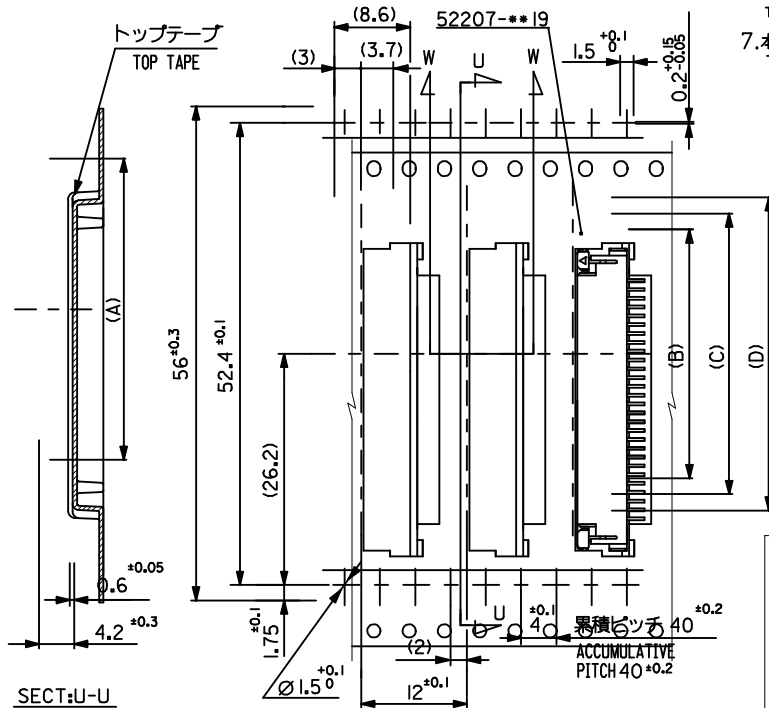
52207-***85	MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	MATERIAL NO.	極致 CKT.

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
10 UNDER		DRAWN BY M. NINOMIYA	DATE 2004/02/06	TITLE EMBOSSD TAPE PACKAGE FOR 52207-**-19 -LEAD FREE-			
10 OVER 30 UNDER		CHECKED BY K. TOJO	DATE 2004/02/06				
30 OVER		APPROVED BY M. SASAO	DATE 2004/02/06	MOLEX INCORPORATED			
ANGULAR		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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							



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.



SECT:U-U

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