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Part Number:

0522071885

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Right Angle, ZIF, Top Contact Style Receptacle, 18 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)	18
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

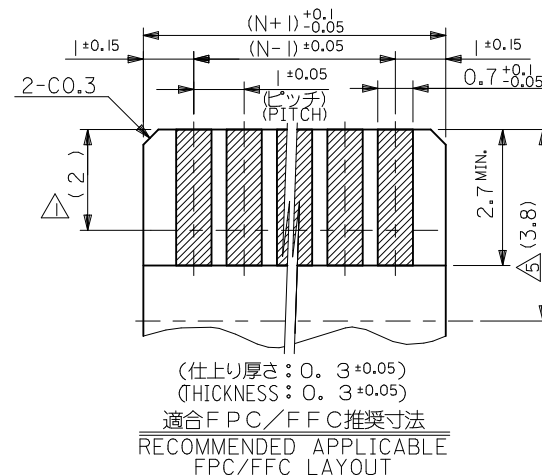
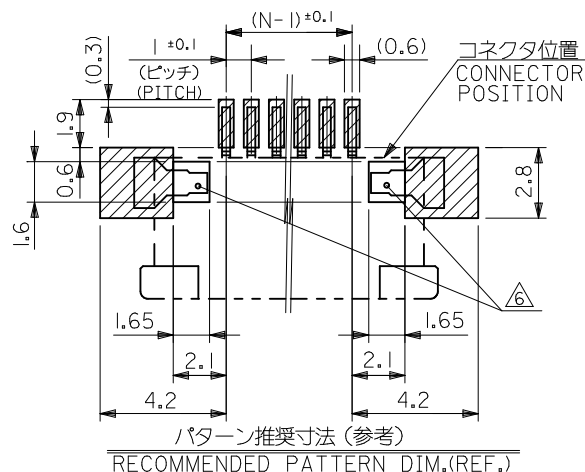
Material Info

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,

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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
銅・ブラスメッキ 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- MOLEX INCORPORATED			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTOJO	DATE '04/02/06				
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE '04/02/06				
		ANGULAR ±3 °		MATERIAL NO. SEE SHEET 1 OF 2					DOCUMENT NO. SD-52207-060
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

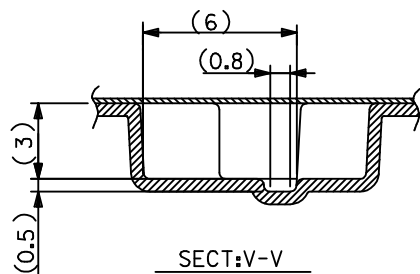
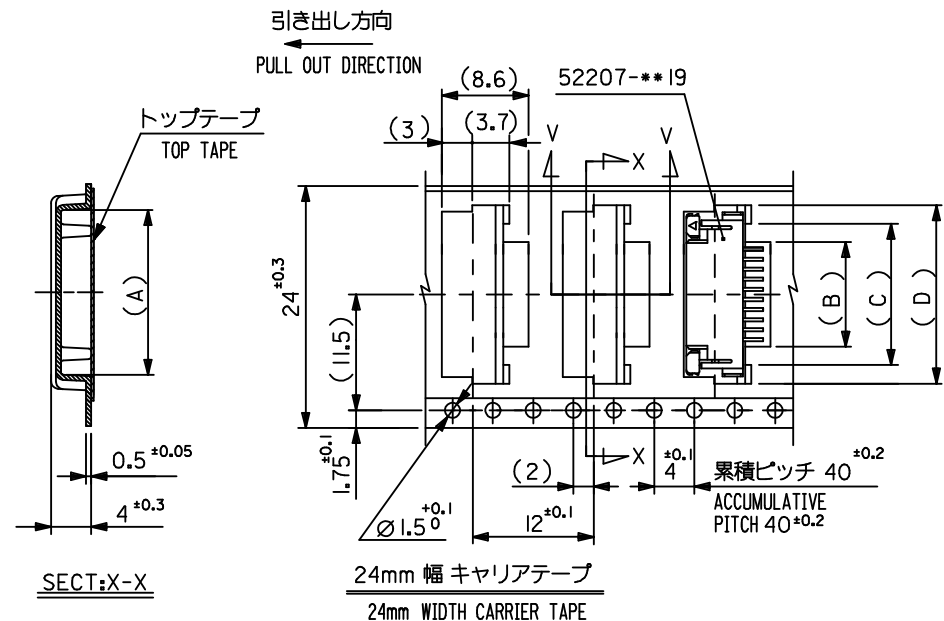
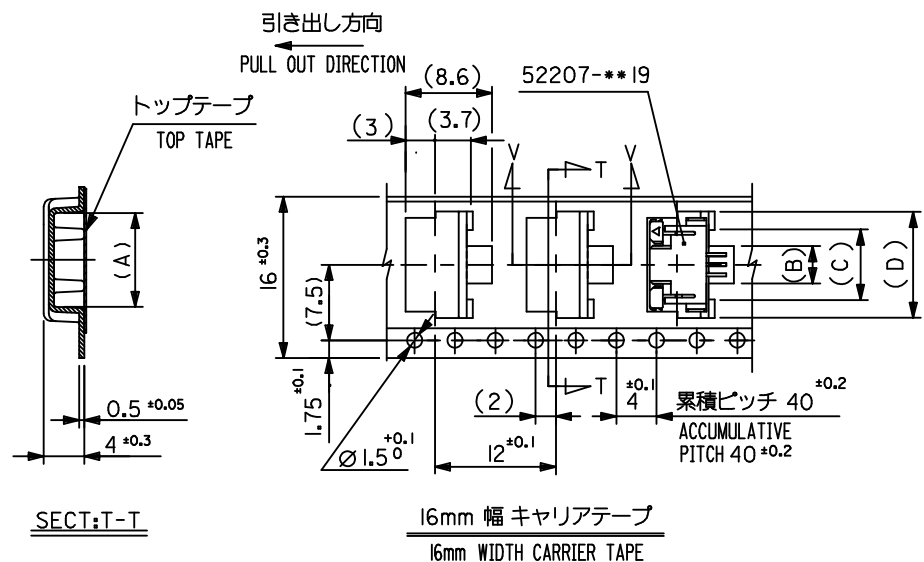
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D

C

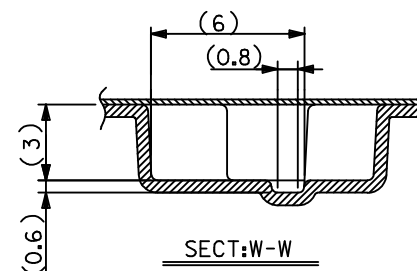
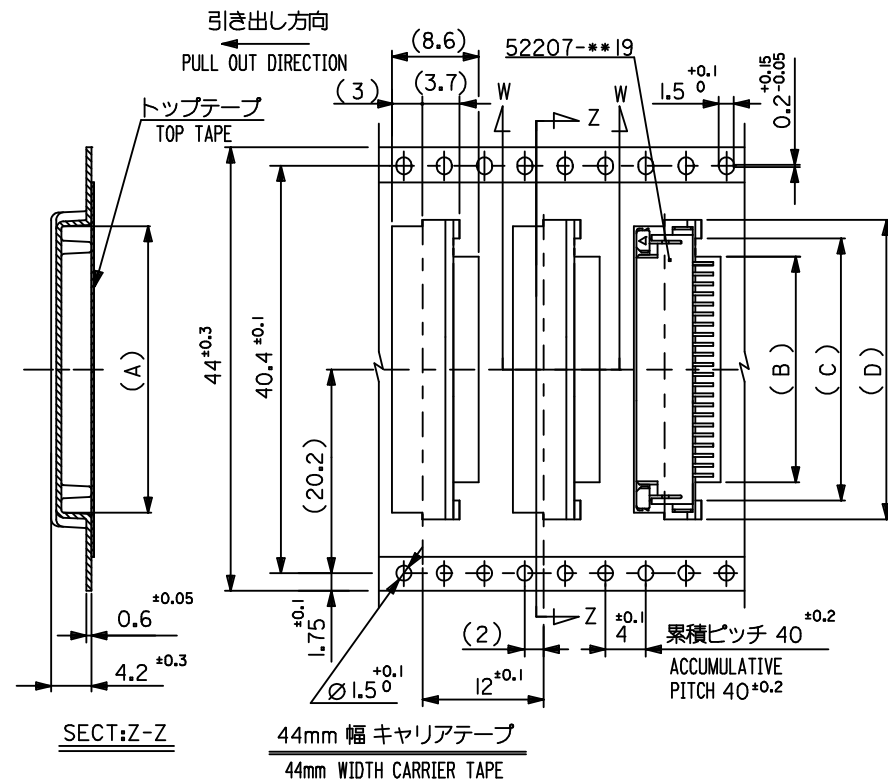
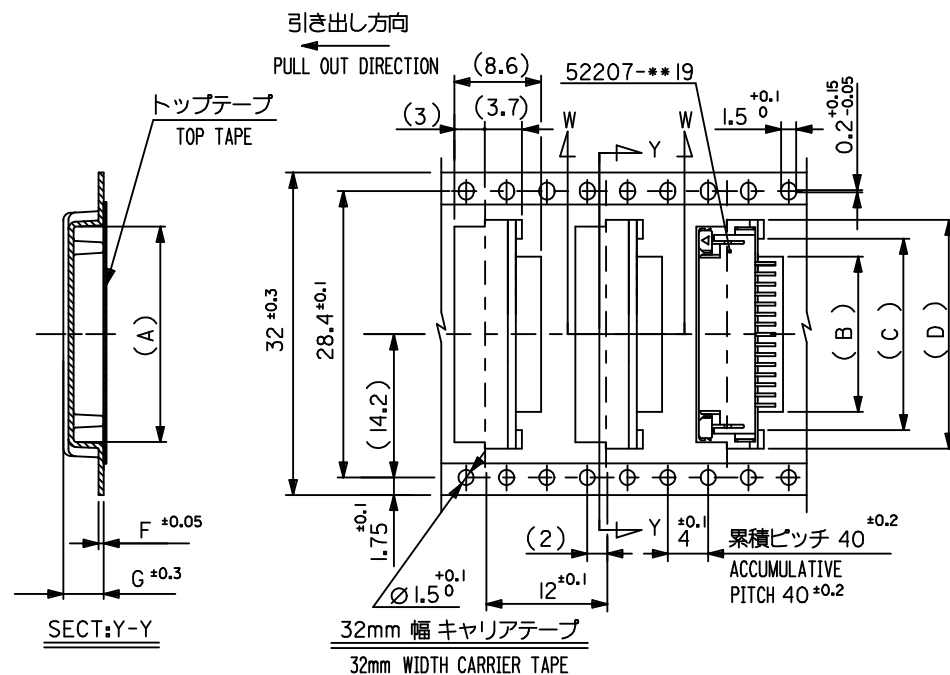
B

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 2009/05/21 CHKD:HMATSUMOTO 2009/05/21 APPR:NUKITA	DESCRIPTION REV	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	MOLEX INCORPORATED				
		30 OVER	±0.3	APPROVED BY M.SASAO	DATE 2004/02/06					
		ANGULAR ±3°		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-52207-061			SHEET NO. 1 OF 3	
B		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					



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		MODEL NO. ---	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.	DOCUMENT NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-52207-061		2 OF 3	
				REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

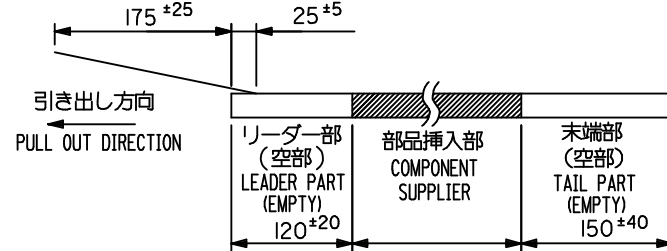
注記

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

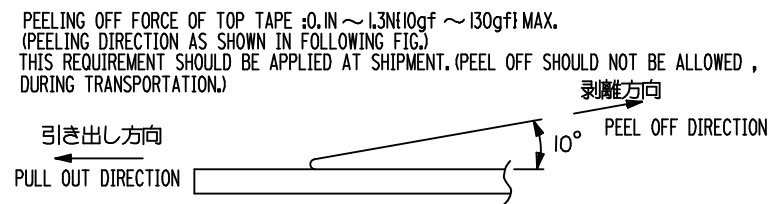
2. 梱包数量：1000個/リール
 NUMBER OF CONNECTORS : 1000PCS/REEL

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。)

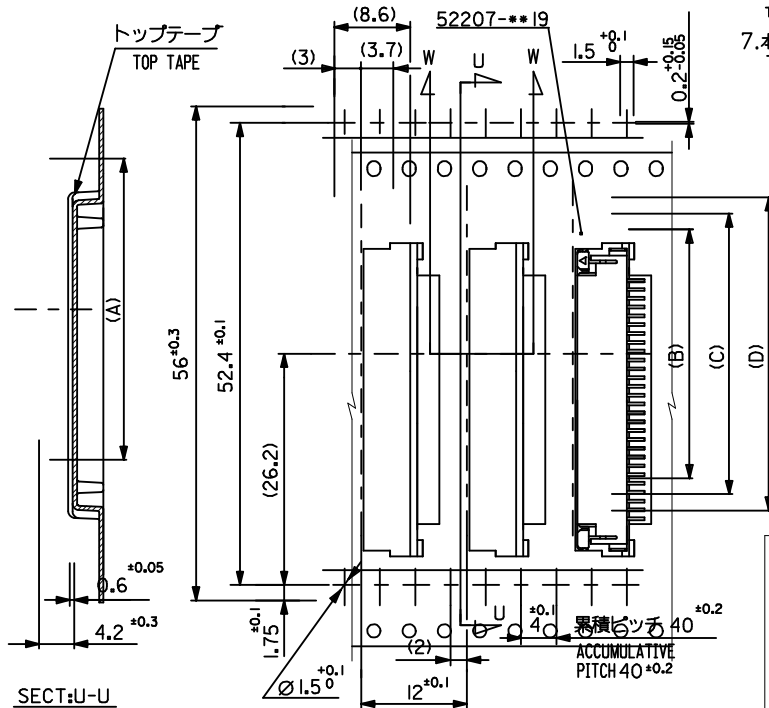
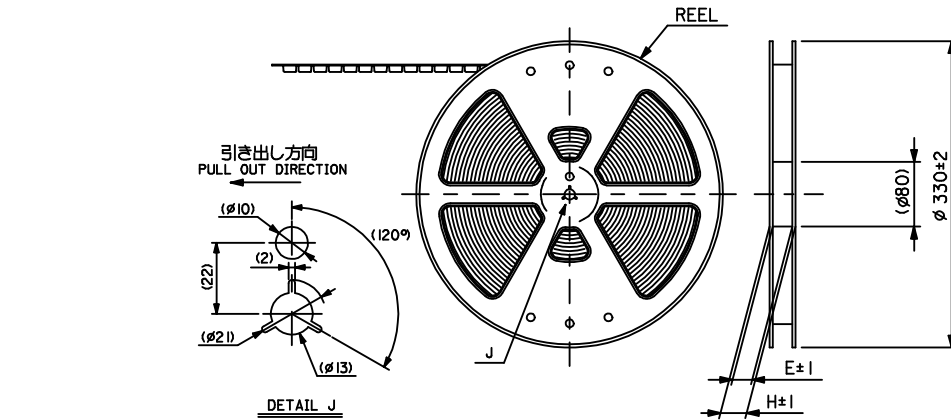


5. 材料 (MATERIAL)

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>

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

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.
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 DRWN:TKN 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 10 OVER 30 UNDER 30 OVER ANGULAR DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	±0.2 ±0.25 ±0.3 ±3	DRAWN BY DATE		TITLE				
					M.NINOMIYA 2004/02/06		EMBOSSED TAPE PACKAGE FOR 52207-***19 -LEAD FREE-				
					CHECKED BY DATE		MOLEX MOLEX INCORPORATED				
					K.TOJO 2004/02/06						
					APPROVED BY DATE						
M.SASAO 2004/02/06		DOCUMENT NO.					SHEET NO.				
SEE TABLE		SD-52207-061					3 OF 3				
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									