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Part Number:

0522072985

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Right Angle, ZIF, Top Contact Style Receptacle, 29 Circuits, Lead-free, High Barrier Packaging

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

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)	29
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

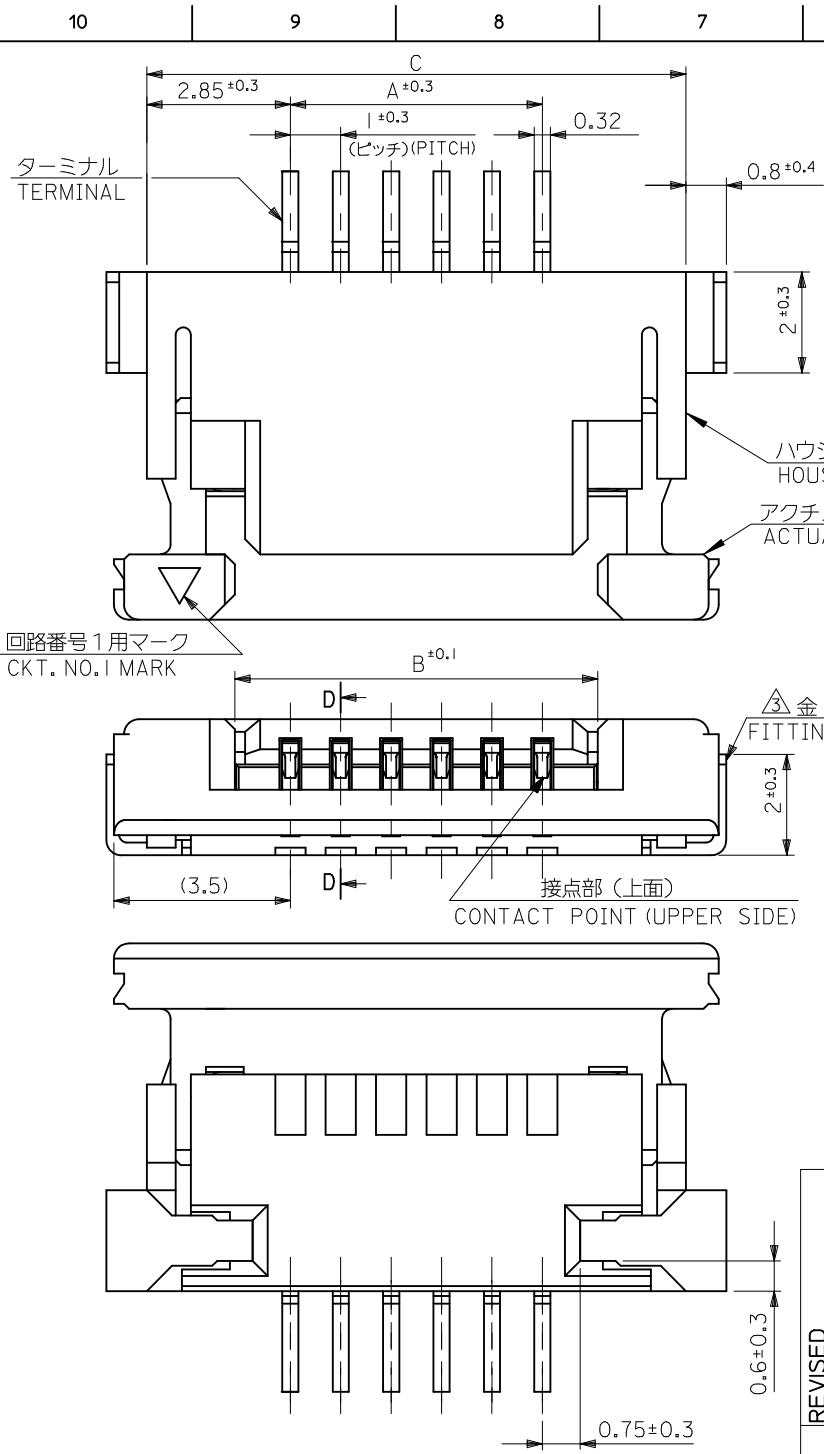
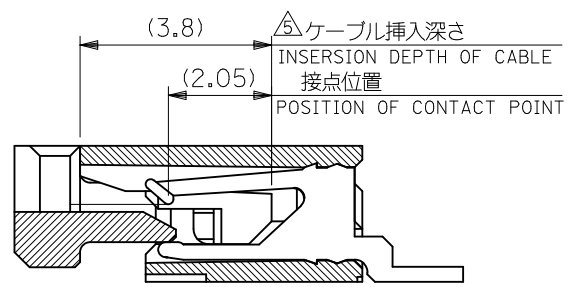
Material Info

Reference - Drawing Numbers

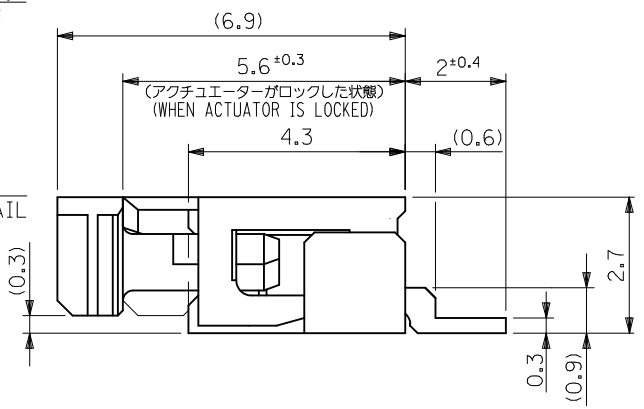
Packaging Specification	SPK-52207-001, SPK-52207-002
Product Specification	PS-52207-047, RPS-52207-063, RPS-52207-065, RPS-52207-067, RPS-52207-069, RPS-52207-072, RPS-52207-079, RPS-52207-080, RPS-52207-081, RPS-52207-082, RPS-52207-083, RPS-52207-086, RPS-52207-087, RPS-52207-088, RPS-52207-091, RPS-52207-093, RPS-52207-096, RPS-52207-097,

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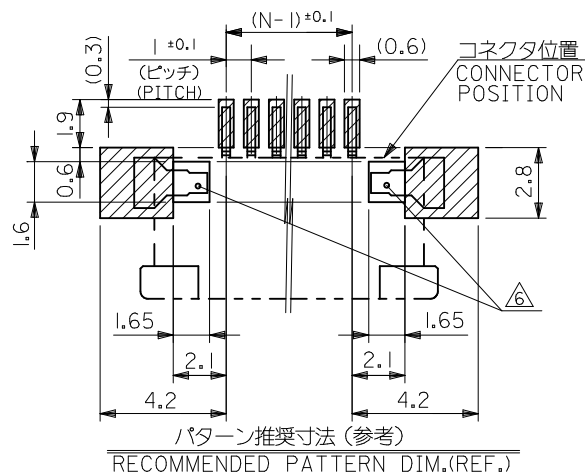
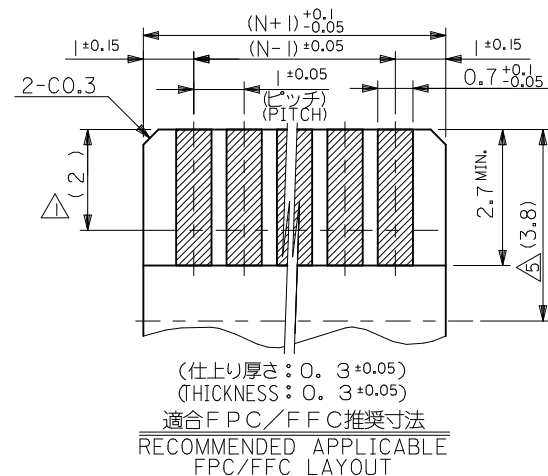
断面D-D
SECT.D-D



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:SHISHIMOTOYAMA 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		MOLEX INCORPORATED						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL 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 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 MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL 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									

F

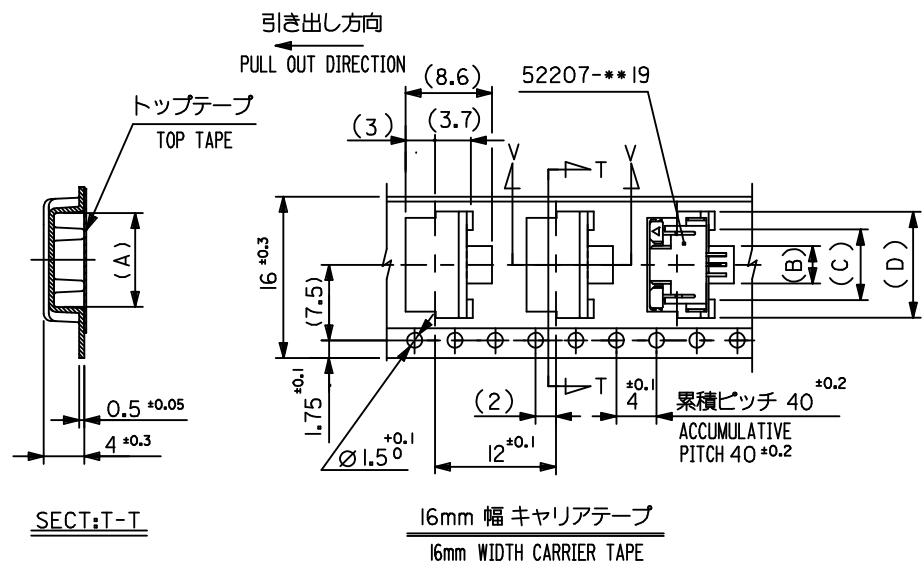
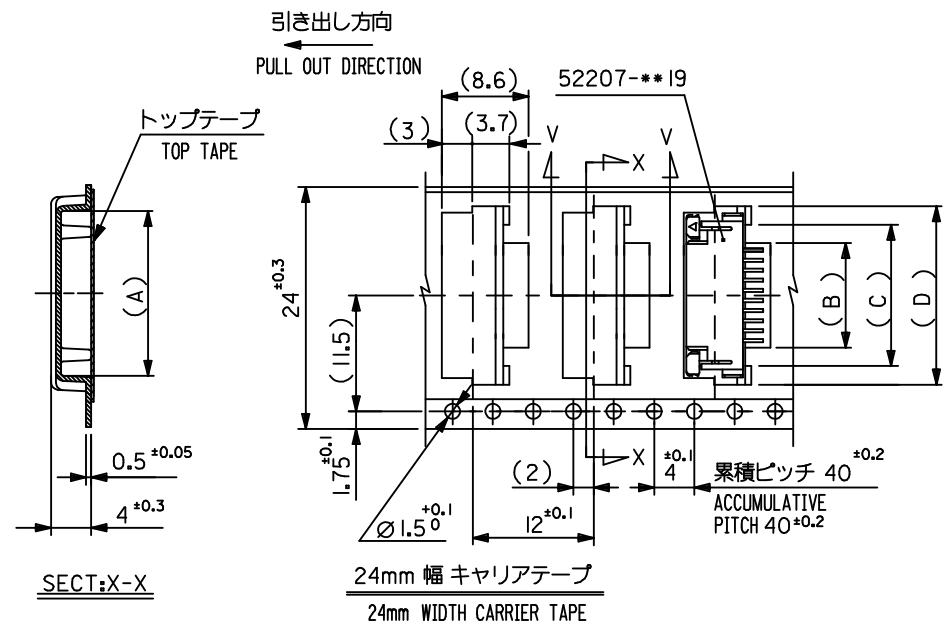
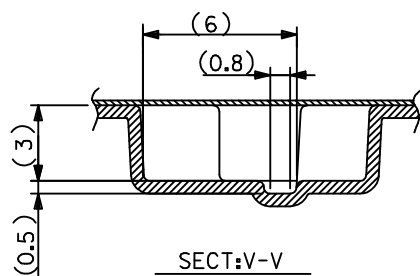
E

D

C

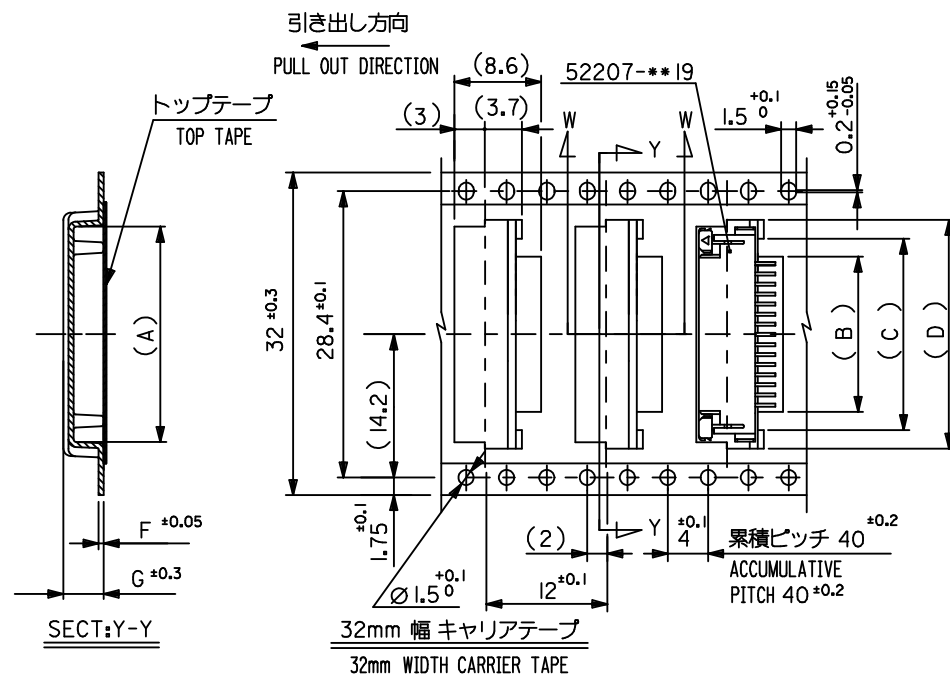
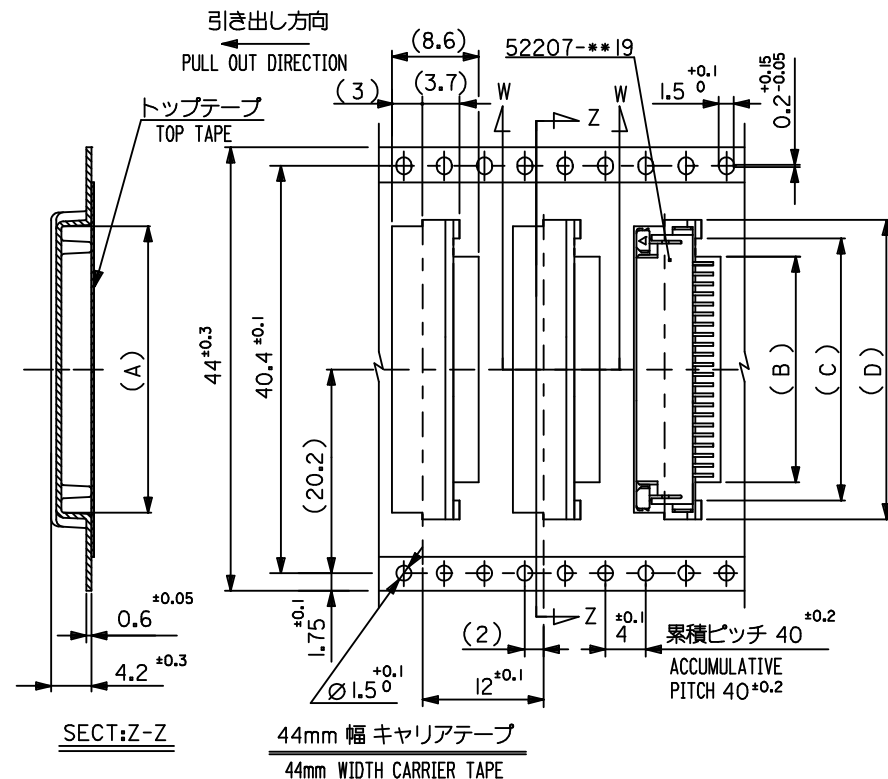
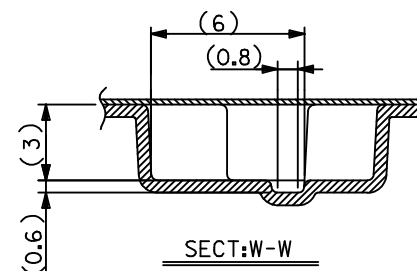
B

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	MOLEX INCORPORATED				
		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		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	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 EMBOSSSED 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					

