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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0522070560
Status: Active
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Right Angle, ZIF, Top Contact Style Receptacle, 5 Circuits, Lead-free, Gold Contact Plating, 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)	5
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	Gold
Material - Plating Termination	Tin
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-52207-002
Product Specification	PS-52207-048, RPS-52207-073, RPS-52207-075, RPS-52207-078, RPS-52207-084, RPS-52207-090, RPS-52207-092, RPS-52207-094, RPS-52207-099, RPS-52207-101, RPS-52207-106
Sales Drawing	SD-52207-064, SD-52207-065

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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注記 NOTES

1. 接点部までの嵌合長さ。
MATING 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
HOUSING : HEAT-RESISTANT NYLON46, UL94V-0
アクチュエータ：ＰＰＳ，ＵＬ９４Ｖ－０
ACTUATOR : PPS, UL94V-0
ターミナル　：リン青銅（ｔ＝０．３２）
メッキ
コンタクト部：金メッキ 0.1マイクロメートル以上
テール部　：錫メッキ 1.0マイクロメートル以上
下地メッキ　：ニッケル 1.0マイクロメートル以上
TERMINAL : PHOS-BRO.(t=0.32)
PLATED
CONTACT AREA : GOLD PLATED 0.1MICROMETER MIN.
TAIL AREA : TIN PLATED 1.0MICROMETER MIN.
OVER PLATED : NICKEL PLATED 1.0MICROMETER MIN.
金具　：銅合金（ｔ＝０．２５）
メッキ　：錫メッキ 1マイクロメートル以上
下地メッキ：ニッケル 1マイクロメートル以上
FITTING NAIL : PHOS-BRO.(t=0.25)
PLATED : TIN PLATED 1MICROMETER MIN.
OVER PLATED : NICKEL PLATED 1MICROMETER MIN.

3. パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF FOOT PRINT PEELING.

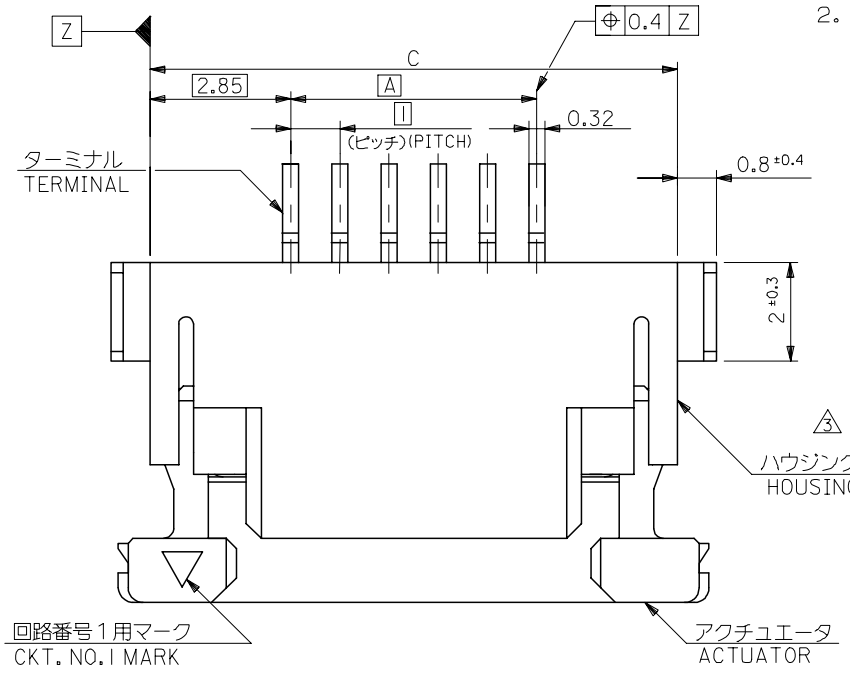
4. エンボステープ梱包時は，アクチュエータがロックした状態とする。
ACTUATOR TO BE LOKCED IN EMBOSSED TAPE PACKAGE.

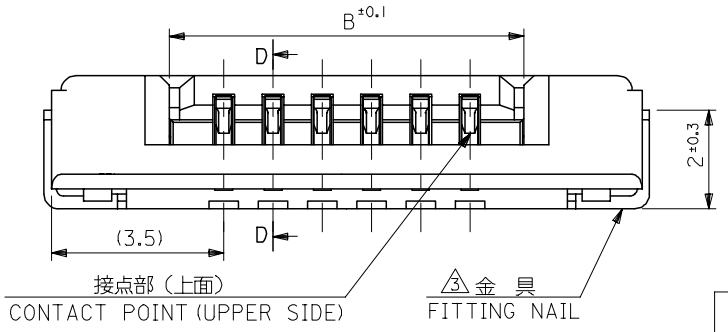
5. ＦＰＣ挿入深さ
INSERTION DEPTH OF FPC.

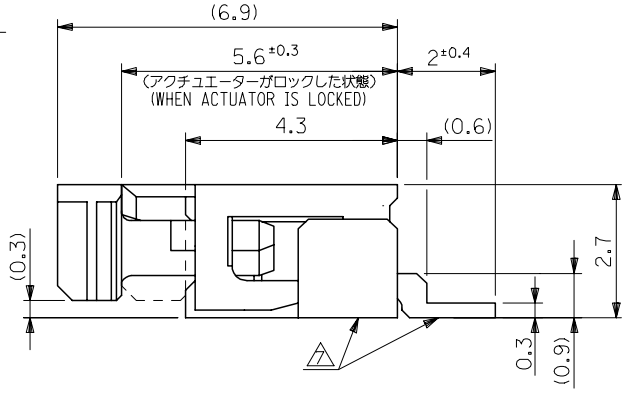
6. パターン書き込み禁止エリア。
NO FOOT PRINT AREA.

7. テール及び金具の平坦度は、0.15 以下とする．
COPLANARITY OUT OF SPECIFICATION.
TAIL : 0.15 MAX.
NAIL : 0.15 MAX.

8. 本製品は 52207-**19　の鉛フリー品である．
THIS PRODUCT IS GOLD PLATING OF 52207-**19.







34.7	31.2	29	52207-3067	30
33.7	30.2	28	52207-2967	29
32.7	29.2	27	52207-2867	28
31.7	28.2	26	52207-2767	27
30.7	27.2	25	52207-2667	26
29.7	26.2	24	52207-2567	25
28.7	25.2	23	52207-2467	24
27.7	24.2	22	52207-2367	23
26.7	23.2	21	52207-2267	22
25.7	22.2	20	52207-2167	21
24.7	21.2	19	52207-2067	20
23.7	20.2	18	52207-1967	19
22.7	19.2	17	52207-1867	18
21.7	18.2	16	52207-1767	17
20.7	17.2	15	52207-1667	16
19.7	16.2	14	52207-1567	15
18.7	15.2	13	52207-1467	14
17.7	14.2	12	52207-1367	13
16.7	13.2	11	52207-1267	12
15.7	12.2	10	52207-1167	11
14.7	11.2	9	52207-1067	10
13.7	10.2	8	52207-0967	9
12.7	9.2	7	52207-0867	8
11.7	8.2	6	52207-0767	7
10.7	7.2	5	52207-0667	6
9.7	6.2	4	52207-0567	5
8.7	5.2	3	52207-0467	4
7.7	4.2	2	52207-0367	3
C	B	A	MATERIAL NO. MODEL NO. 52207-**67	極数 CIRCUITS

REVISED
EC NO: J2007-0873 2006/09/22
DRWN:YOTANI 2007/03/23
CHKD:Y.MAEDA
APPR:NUKITA 2007/03/26
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

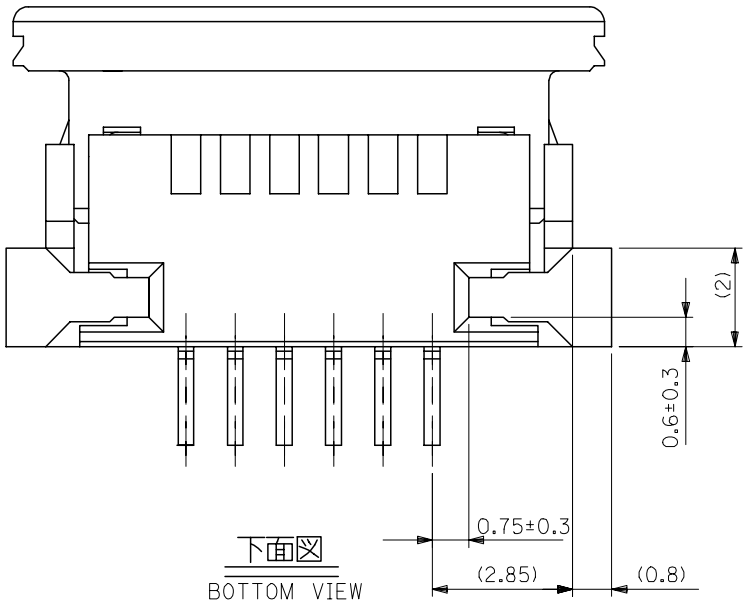
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

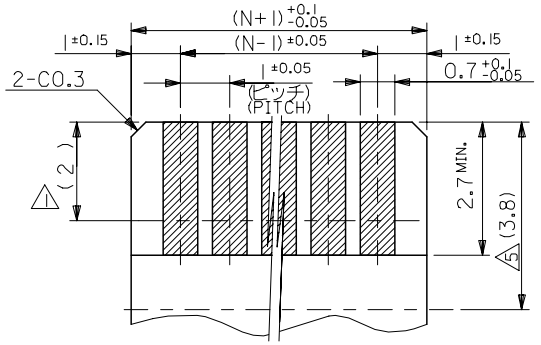
DIMENSION STYLE: MM ONLY	SCALE: 10:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: M.UMEDA	DATE: 2005/03/02	TITLE: 1.0 FPC CONN. ZIF SMT HSG ASSY -LEAD FREE-	
CHECKED BY: K.TOYODA	DATE: 2005/03/02		
APPROVED BY: N.UKITA	DATE: 2005/03/02	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE CHART		DOCUMENT NO.: SD-52207-064	SHEET NO.: 1 OF 2

SIZE A3

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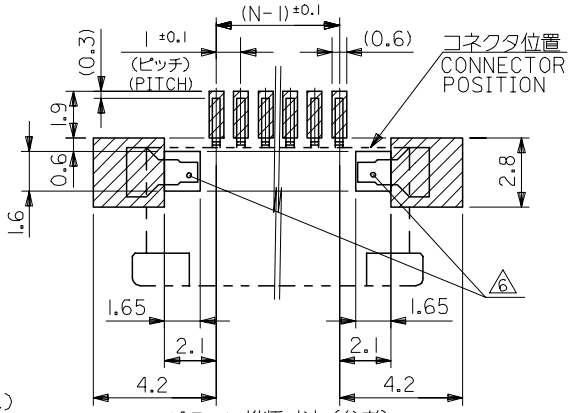


下面図
BOTTOM VIEW

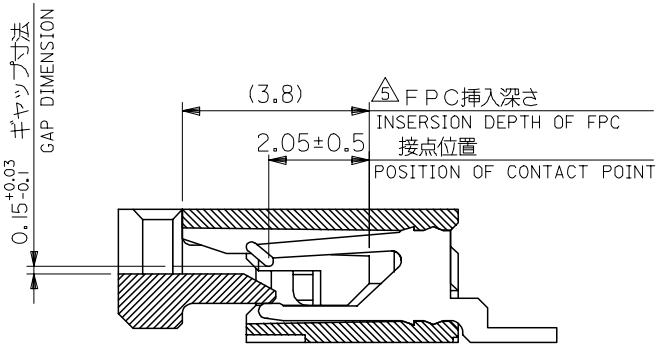


(仕上り厚さ：0．3±0.05)(メッキ厚：0.1 μm MIN.)
(THICKNESS：0．3±0.05)(PLATING THICKNESS：0.1 μm MIN.)

適合ＦＰＣ／ＦＦＣ推奨寸法
RECOMMENDED APPLICABLE FPC/FFC LAYOUT



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



断面Ｄ－Ｄ
SECT.D-D

FPCについて：
打抜き方向は、導体側から補強板側を推奨いたします。
補強フィルム材質は、ポリイミドを推奨いたします。
接着剤は、熱硬貨接着剤を推奨いたします。

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

REVISED
EC NO: J2007-0873 2006/09/22
DRWN:YOTANI 2007/03/23
CHKD:Y.MAEDA 2007/03/26
APPR:NUKITA
DESCRIPTION
REV

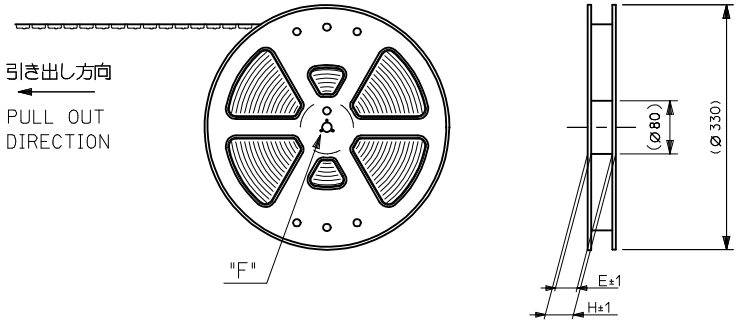
GENERAL TOLERANCES (UNLESS SPECIFIED)

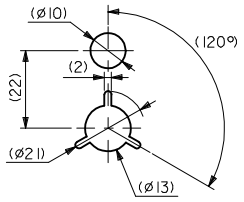
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	10:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	M.UMEDA 2005/03/02
CHECKED BY / DATE	K.TOYODA 2005/03/02
APPROVED BY / DATE	N.UKITA 2005/03/02
TITLE	1.0 FPC CONN. ZIF SMT HSG ASSY -LEAD FREE-
	MOLEX INCORPORATED
MATERIAL NO.	SEE SHEET 1
DOCUMENT NO.	SD-52207-064
SHEET NO.	2 OF 2
SIZE	A3

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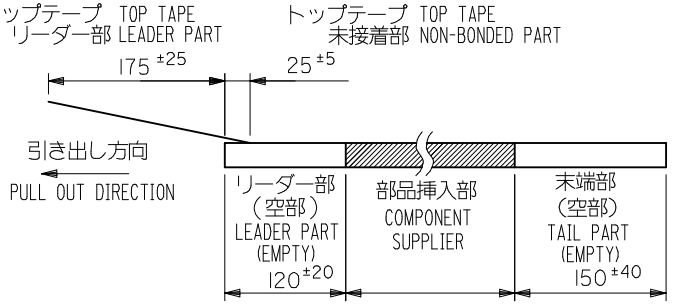




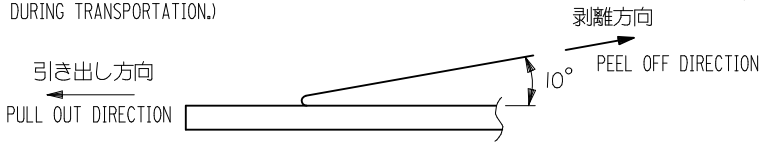
DETAIL "F"

注記

1. 製品番号 52207-**67 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-52207-064 を参照下さい。
   IN THE PACKAGE , ACTUATOR OF PART NO. 52207-**67 SHOULD BE LOCKED
   RE DETAILED DIMENSIONS , SEE SD-52207-064
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： 0.1~1.3N (10gf~130gf) (剥離方向は下図参照)
   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 : 0.1~1.3N (10gf~130gf)
   (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-**85 の金メッキ品である。
   THIS PRODUCT IS GOLD PLATING OF 52207-**85.
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.52207-**60

REVISED				REV
EC NO: J2009-2061	DRWN:TKON	CH'KD:HMATSUMOTO	APPR:NUKITA	DESCRIPTION
2009/05/20	2009/05/21	2009/05/21		
G				

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

	DRAWN BY	DATE
	M.UMEDA	2005/03/03
	CHECKED BY	DATE
	K.TOYODA	2005/03/03
	APPROVED BY	DATE
	N.UKITA	2005/03/03

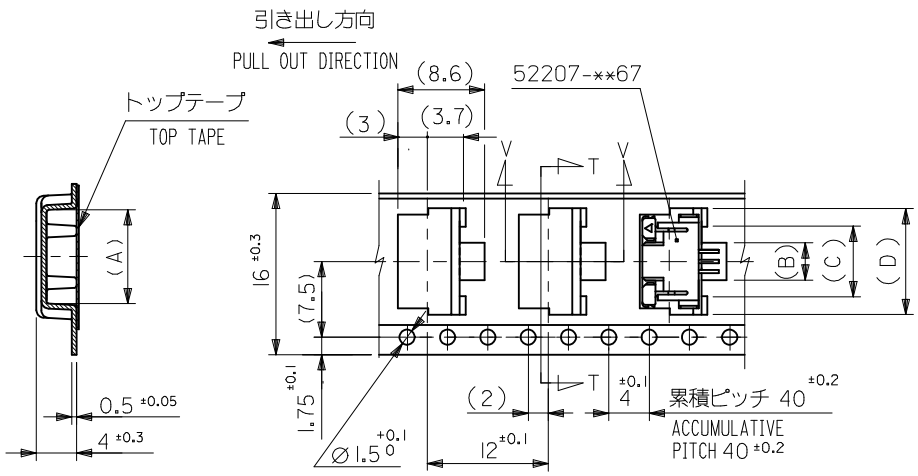
TITLE: 1.0 FPC CONN. ZIF SMT WITH EMBSTP PKG -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE SHEET 2	SD-52207-065	1 OF 5

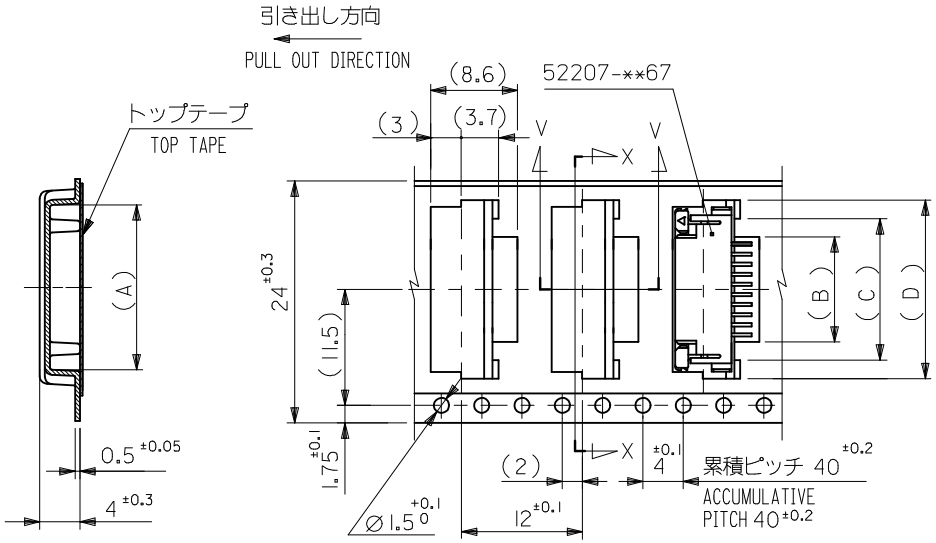
SIZE A3

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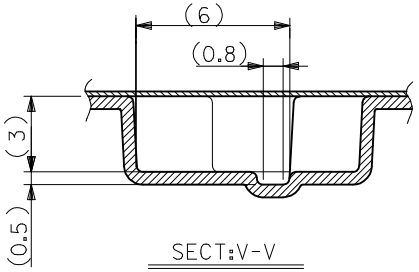
SECT:T-T

16mm 幅 キャリアテープ
16mm WIDTH CARRIER TAPE



SECT:X-X

24mm 幅 キャリアテープ
24mm WIDTH CARRIER TAPE



SECT:V-V

キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	MATERIAL NO. MODEL NO. 52207-**60	極数 CKT.
24	29.4	25.4	18.5	15	11.7	17.3	52207-1160	11
			17.5	14	10.7	16.3	52207-1060	10
			16.5	13	9.7	15.3	52207-0960	9
			15.5	12	8.7	14.3	52207-0860	8
			14.5	11	7.7	13.3	52207-0760	7
			13.5	10	6.7	12.3	52207-0660	6
			12.5	9	5.7	11.3	52207-0560	5
			11.5	8	4.7	10.3	52207-0460	4
16	21.4	17.4	10.5	7	3.7	9.3	52207-0360	3

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO
APPR:NUKITA
DESCRIPTION
REV: G

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

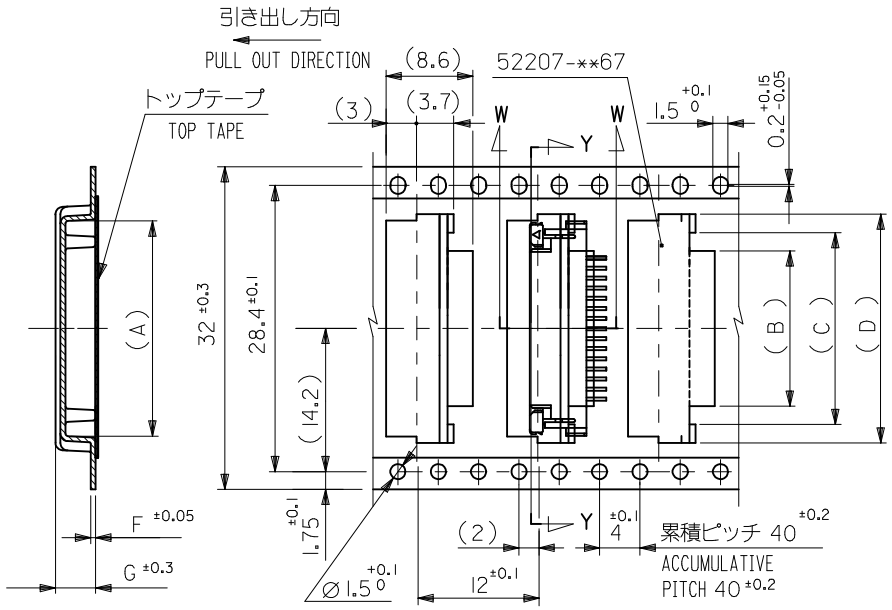
DRAWN BY: M.UMEDA DATE: 2005/03/03
CHECKED BY: K.TOYODA DATE: 2005/03/03
APPROVED BY: N.UKITA DATE: 2005/03/03

TITLE: 1.0 FPC CONN. ZIF SMT WITH EMBSTP PKG -LEAD FREE-

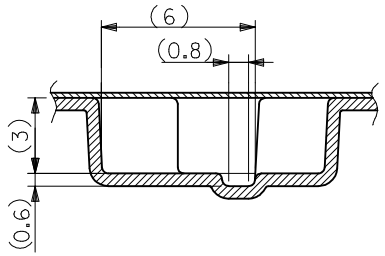
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52207-065
SHEET NO.: 2 OF 5
SIZE: A3

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SECT:Y-Y



SECT:W-W

32mm 幅 キャリアテープ
32mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(G)	(F)	(D)	(C)	(B)	(A)	MATERIAL NO. MODEL NO. 52207-**60	極数 CKT.
32	37.4	33.4	4.0	0.5	23.5	20	16.7	22.35	52207-1660	16
			4.2	0.6	22.5	19	15.7	21.35	52207-1560	15
			4.2	0.6	21.5	18	14.7	20.35	52207-1460	14
			4.2	0.6	20.5	17	13.7	19.35	52207-1360	13
			4.2	0.6	19.5	16	12.7	18.35	52207-1260	12

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO 2009/05/21
APPR:NUKITA
DESCRIPTION
REV G

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

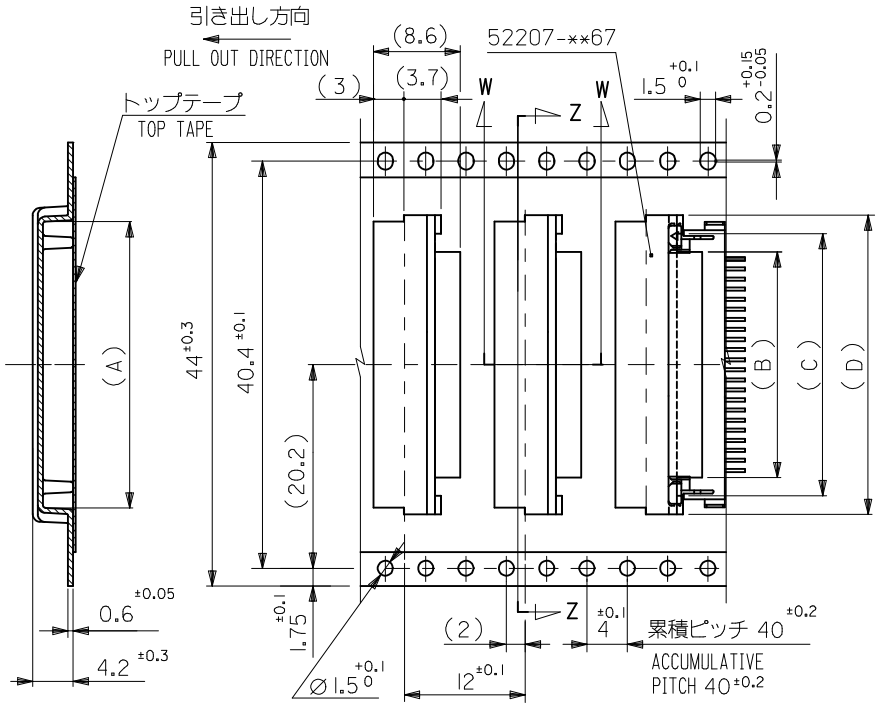
DRAWN BY: M.UMEDA DATE: 2005/03/03
CHECKED BY: K.TOYODA DATE: 2005/03/03
APPROVED BY: N.UKITA DATE: 2005/03/03

TITLE: 1.0 FPC CONN ZIF SMT WITH EMBSTP PKG -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52207-065
SHEET NO.: 3 OF 5
SIZE: A3

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SECT:Z-Z

44mm 幅 キャリアテープ
44mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(G)	(F)	(D)	(C)	(B)	(A)	MATERIAL NO. MODEL NO.	極数 CKT.
44	49.4	45.4	—	—	34.5	30	27.7	33.35	52207-2760	27
			—	—	33.5	30	26.7	32.35	52207-2660	26
			—	—	32.5	29	25.7	31.35	52207-2560	25
			—	—	31.5	28	24.7	30.35	52207-2460	24
			—	—	29.5	26	22.7	28.35	52207-2260	22
			—	—	28.5	25	21.7	27.35	52207-2160	21
			—	—	27.5	24	20.7	26.35	52207-2060	20
			—	—	26.5	23	19.7	25.35	52207-1960	19
			—	—	25.5	22	18.7	24.35	52207-1860	18

REVISED
EC NO: J2009-2061 2009/05/20
DRWN:TKON 2009/05/21
CH'KD:HMATSUMOTO
APPR:NUKITA
DESCRIPTION
REV. G

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

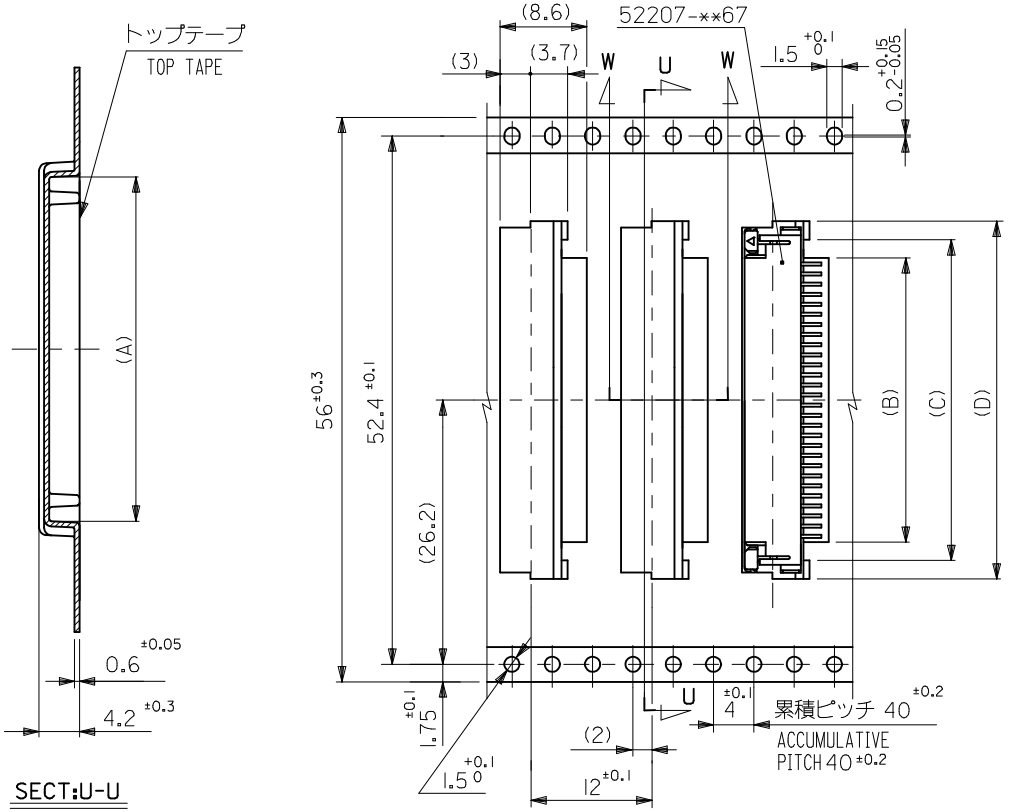
DRAWN BY	M.UMEDA	DATE 2005/03/03
CHECKED BY	K.TOYODA	DATE 2005/03/03
APPROVED BY	N.UKITA	DATE 2005/03/03

TITLE: 1.0 FPC CONN ZIF SMT WITH EMBSTP PKG -LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-52207-065
SHEET NO.: 4 OF 5
SIZE: A3

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SECT:U-U

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

キャリアテープ幅 CARRIER TAPE WIDTH	F	E	(D)	(C)	(B)	(A)	MATERIAL NO.	CIRCUIT
56	61.4	57.4	37.5	34	30.7	36.35	52207-3060	30
			36.5	33	29.7	35.35	52207-2960	29
			35.5	32	28.7	34.35	52207-2860	28

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	M.UMEDA	2005/03/03
CHECKED BY	K.TOYODA	2005/03/03
APPROVED BY	N.UKITA	2005/03/03

MATERIAL NO.: SEE TABLE

52207-**60

MODEL NO.

TITLE: 1.0 FPC CONN ZIF SMT WITH EMBSTP PKG -LEAD FREE-

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