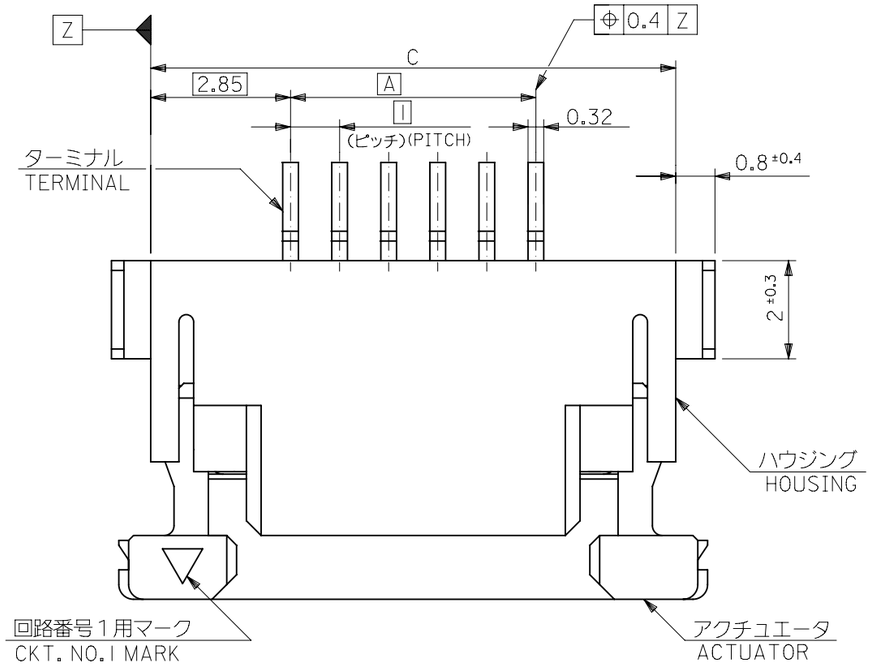
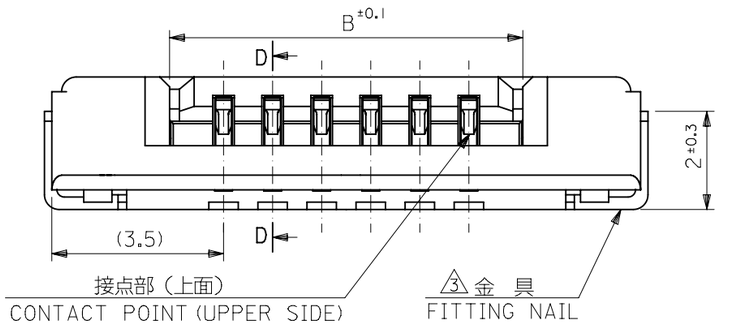
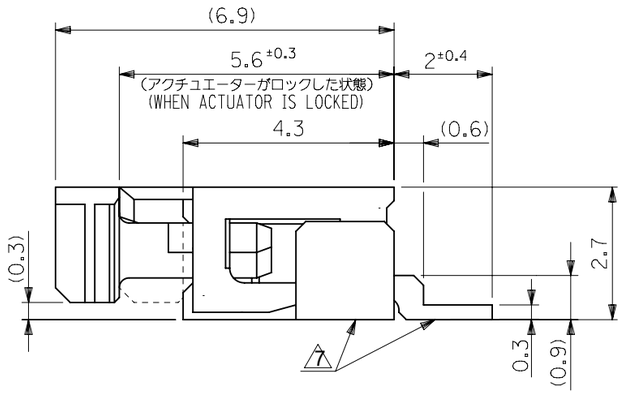
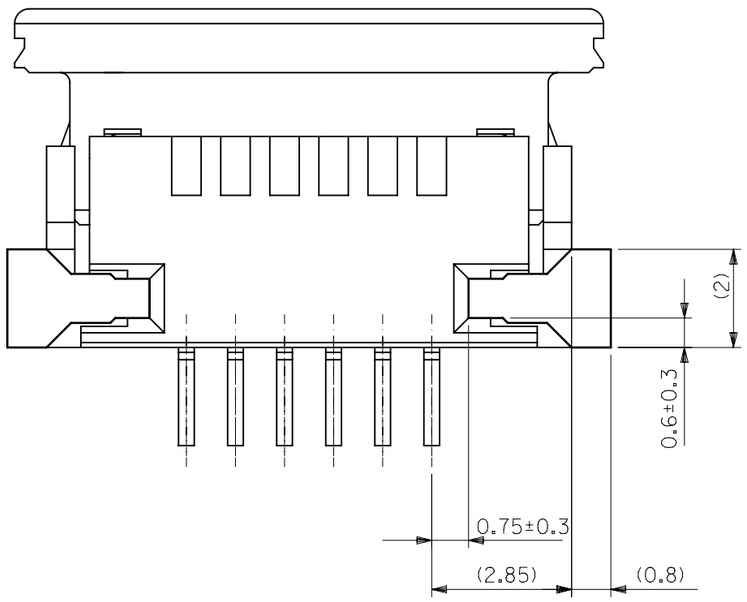
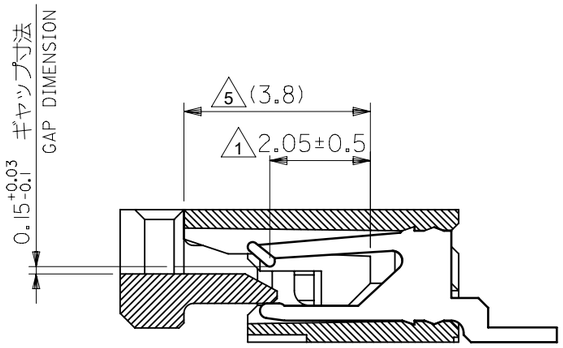










断面D－D
SECT. D-D

注記： NOTES

1. 接点部までの嵌合長さ。
   MATING LENGTH TO CONTCAT 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
   接点部 :金メッキ 0.1マイクロメートル以上
   半田付け部 : 錫メッキ 1.0マイクロメートル以上
   下地メッキ : NICKEL 1.0マイクロメートル以上
   TERMINAL : PHOS-BRO(t = 0.32)
   PLATED
   CONTACT AREA : GOLD PLATED 0.1 MICROMETER MIN.
   TAIL AREA : TIN PLATED 1.0 MICROMETER MIN.
   OVER PLATED :NICKEL PLATED 1.0 MICROMETER MIN.
   金具 : 銅合金(t=0.25)
   メッキ : 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
   FITTING NAIL :PHOS-BRO(t = 0.25)
   PLATED :TIN 1.0 MICROMETER MIN.
   OVER PLATED :NICKEL PLATED 1.0 MICROMETER 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 LOCKED 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.

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

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 UNITS	SCALE
mm	8:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	1.0 °
4 PLACES ±	0.2
3 PLACES ±	0.25
2 PLACES ±	0.3
1 PLACE ±	0.1
0 PLACES ±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52207

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC:

EC NO: 601573
DRWN: AISHII 2018/07/18
CHK'D: TRSUZUKI 2018/08/10
APPR: RTAKEUCHI 2018/08/13

INITIAL REVISION:
DRWN: MUMEDA 2005/03/29
APPR: NUKITA 2005/04/06

molex

1.0 FPC CONN. ZIF SMT
HSG ASSY -LEAD FREE-

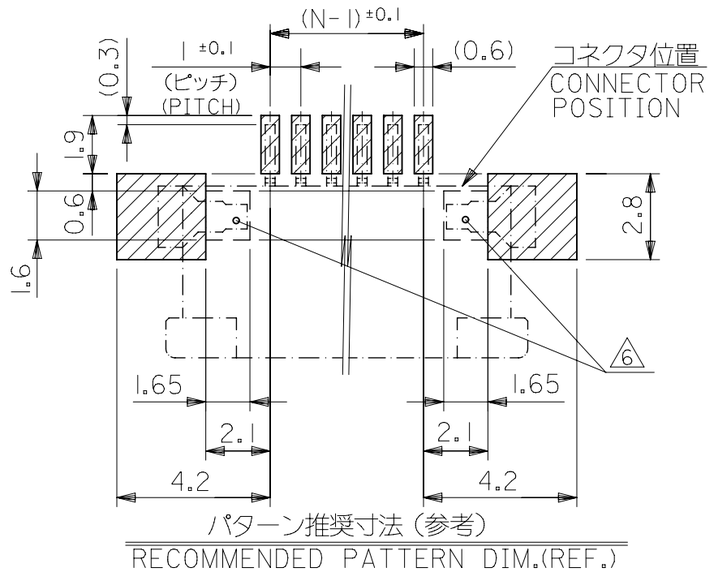
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52207-064	PSD	001	H

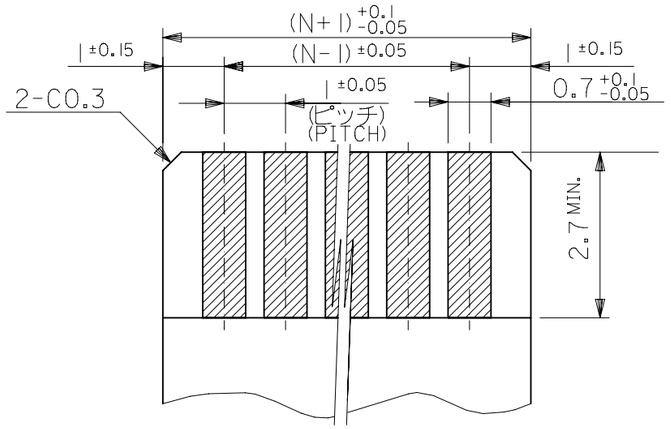
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/13 01:58:03

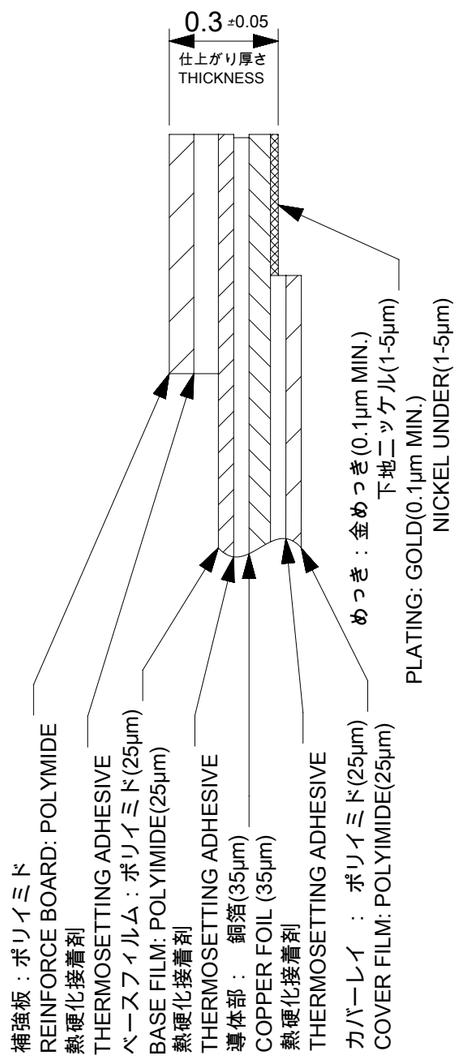
FORMAT: master-tb-prod-A3
REVISION: H
DATE: 2018/01/18



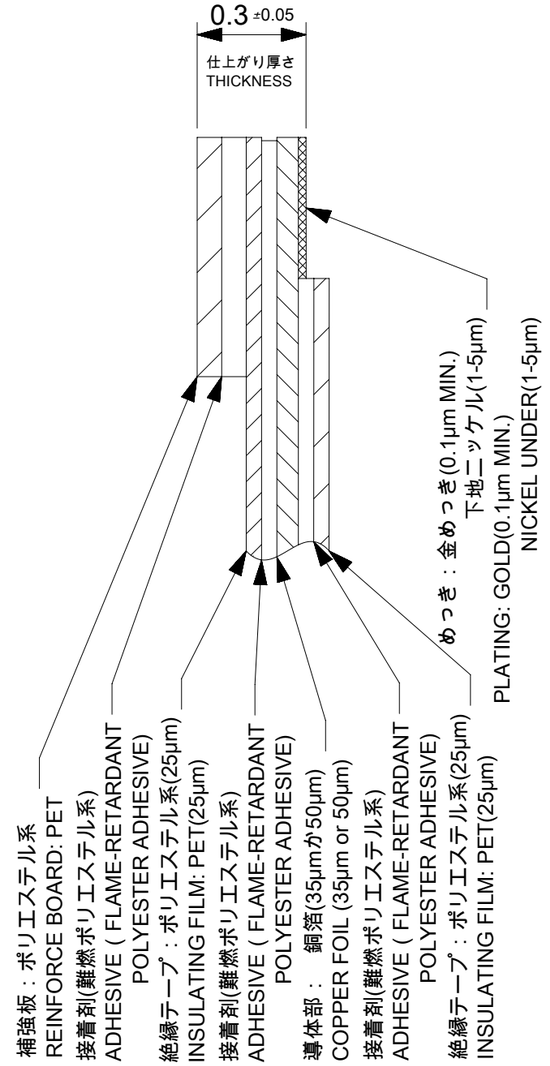
パターン推奨寸法（参考）
RECOMMENDED PATTERN DIM.(REF.)
SCALE 5:1



（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



FPC構成推奨仕様
STRUCTURE OF FPC



FFC構成推奨仕様
STRUCTURE OF FFC

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

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	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	10:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	±0 °
4 PLACES	± 0.2
3 PLACES	± 0.25
2 PLACES	± 0.3
1 PLACE	± 0.1
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 601573
DRWN: AISHII 2018/07/18
CHK'D: TRSUZUKI 2018/08/10
APPR: RTAKEUCHI 2018/08/13

INITIAL REVISION:
DRWN: MUMEDA 2005/03/29
APPR: NUKITA 2005/04/06

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 52207

molex

1.0 FPC CONN. ZIF SMT
HSG ASSY -LEAD FREE-

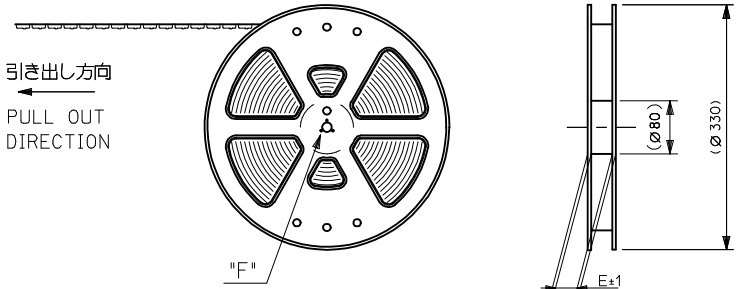
PRODUCT CUSTOMER DRAWING

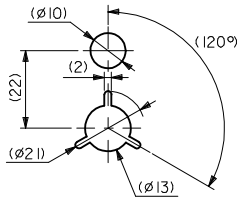
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-52207-064	PSD	001	H

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/13 01:58:03

FORMAT: master-lb-prod-A3
REVISION: H
DATE: 2018/01/18

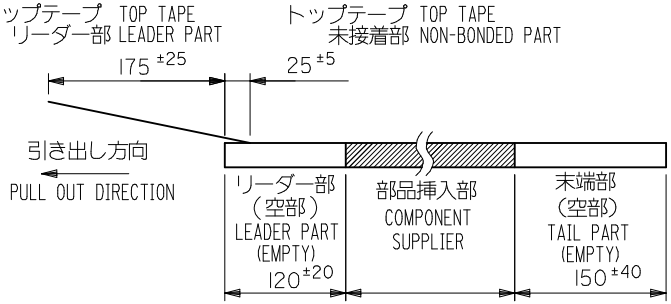




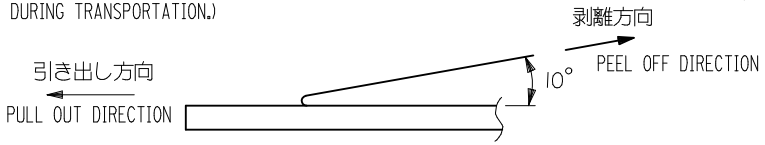
DETAIL "F"

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: J2016-0832	DRWN:YMIZUNO02	2016/02/03		H
	CH'KD:KTAKAHASHI	2016/02/03		
	APPR:TKUSUHARA01	2016/02/12		

GENERAL TOLERANCES (UNLESS SPECIFIED)				
0.25	UNDER		UNDER	±0.03
0.25	OVER	0.5	UNDER	±0.05
0.5	OVER	1.0	UNDER	±0.1
1.0	OVER	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	M.UMEDA	DATE 2005/03/03
CHECKED BY	K.TOYODA	DATE 2005/03/03
APPROVED BY	N.UKITA	DATE 2005/03/03
MATERIAL NO.	SEE SHEET 2-5	

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

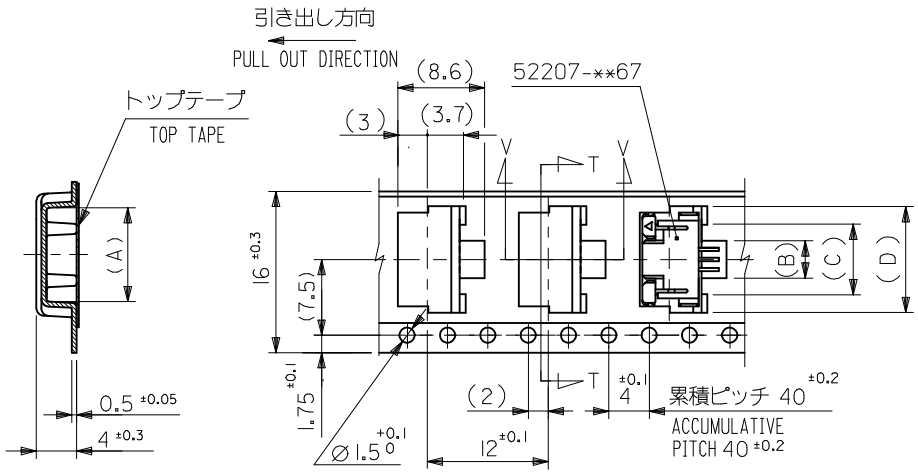
molex

DOCUMENT NO. SD-52207-065

SHEET NO. 1 OF 5

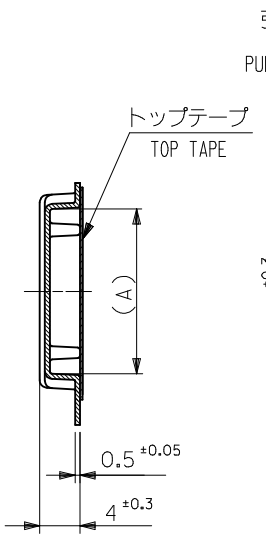
SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

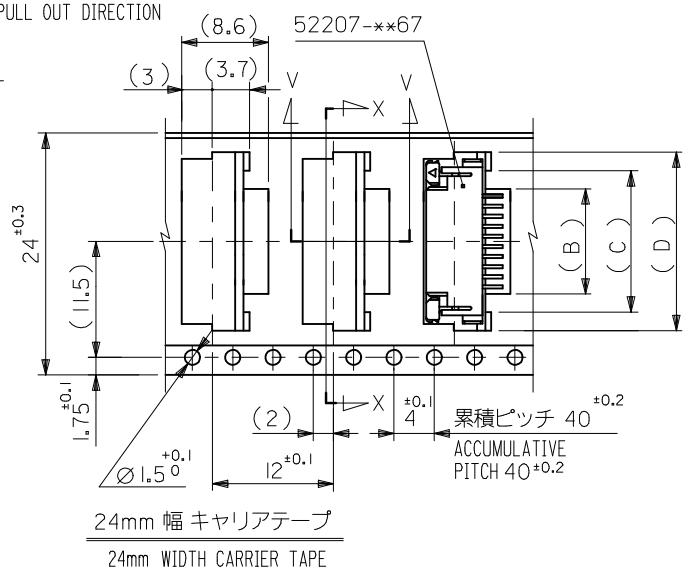


SECT:T-T

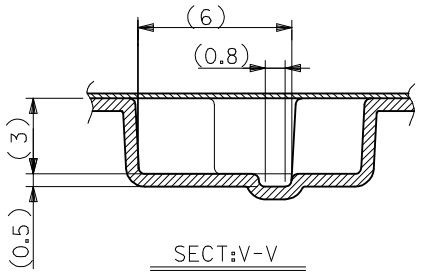
16mm 幅 キャリアテープ
16mm WIDTH CARRIER TAPE



SECT:X-X



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



SECT:V-V

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
キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	EMBOSSED PACKAGE ORDER NO.	極数 CKT.

SEE SHEET 1
EC NO: J2016-0832 2016/02/03
DRWN:YMIZUNO02 2016/02/03
CH'KD:KTAKAHASHI 2016/02/12
APPR:TKUSUHARA01 2016/02/12
REV H
DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

0.25	UNDER	UNDER	±0.03
0.25	OVER 0.5	UNDER	±0.05
0.5	OVER 1.0	UNDER	±0.1
1.0	OVER 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

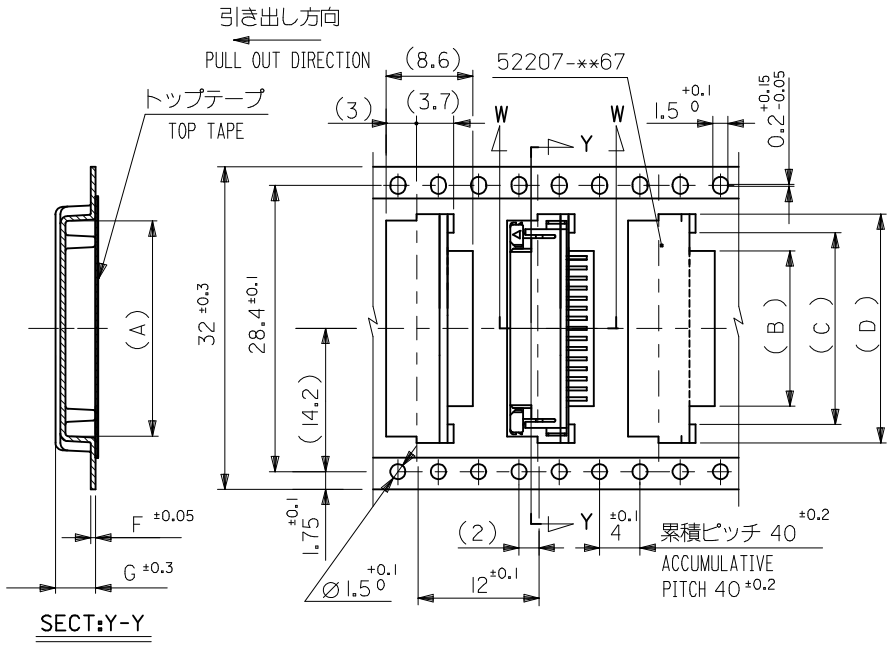
DRAWN BY: M.UMEDA DATE: 2005/03/03
CHECKED BY: K.TOYODA DATE: 2005/03/03
APPROVED BY: N.UKITA DATE: 2005/03/03

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

molex

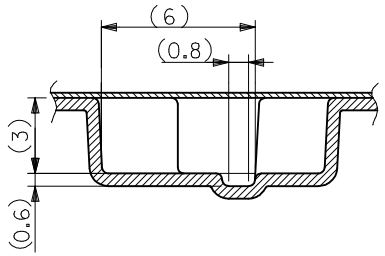
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-52207-065
SHEET NO.: 2 OF 5
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



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)	EMBOSSED PACKAGE ORDER NO.	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

SEE SHEET 1
EC NO: J2016-0832 2016/02/03
DRWN:YMIZUNO02 2016/02/03
CH'KD:KTAKAHASHI 2016/02/12
APPR:TKUSUHARA01
DESCRIPTION
REV H

GENERAL TOLERANCES (UNLESS SPECIFIED)

0.25	UNDER	UNDER	±0.03
0.25	OVER 0.5	UNDER	±0.05
0.5	OVER 1.0	UNDER	±0.1
1.0	OVER 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

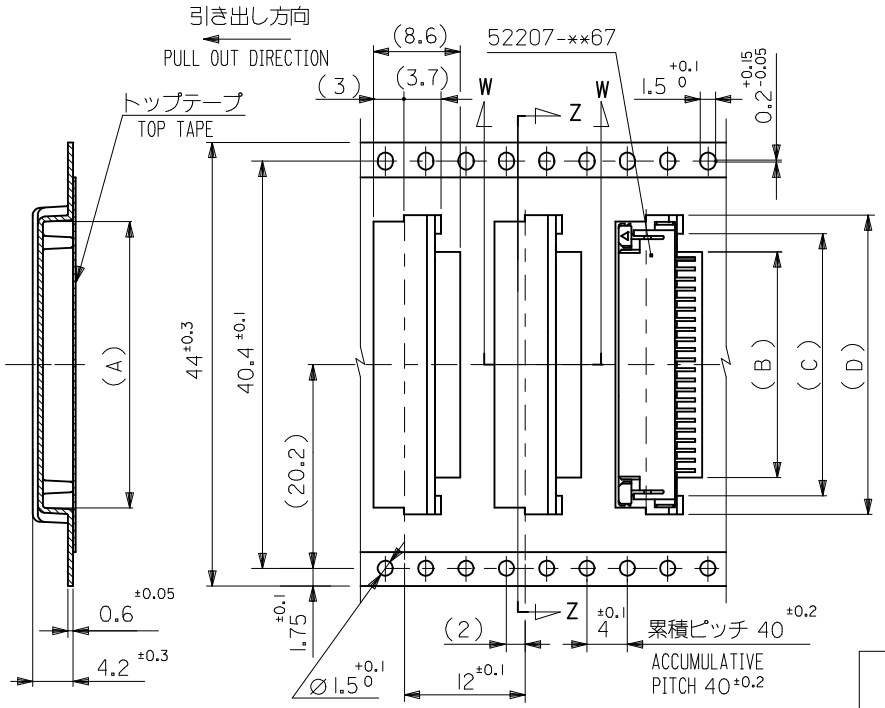
DRAWN BY: M.UMEDA DATE: 2005/03/03
CHECKED BY: K.TOYODA DATE: 2005/03/03
APPROVED BY: N.UKITA DATE: 2005/03/03

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

molex

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



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)	EMBOSSED PACKAGE ORDER NO.	極数 CKT.
44	49.4	45.4	—	—	34.5	31	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
			—	—	30.5	27	23.7	29.35	52207-2360	23
			—	—	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
			—	—	24.5	21	17.7	23.35	52207-1760	17

SEE SHEET 1
EC NO: J2016-0832 2016/02/03
DRWN:YMIZUNO02 2016/02/03
CH'KD:KTAKAHASHI 2016/02/03
APPR:TKUSUHARA01 2016/02/12
DESCRIPTION
REV
H

GENERAL TOLERANCES (UNLESS SPECIFIED)

0.25	UNDER	UNDER	±0.03
0.25	OVER 0.5	UNDER	±0.05
0.5	OVER 1.0	UNDER	±0.1
1.0	OVER 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

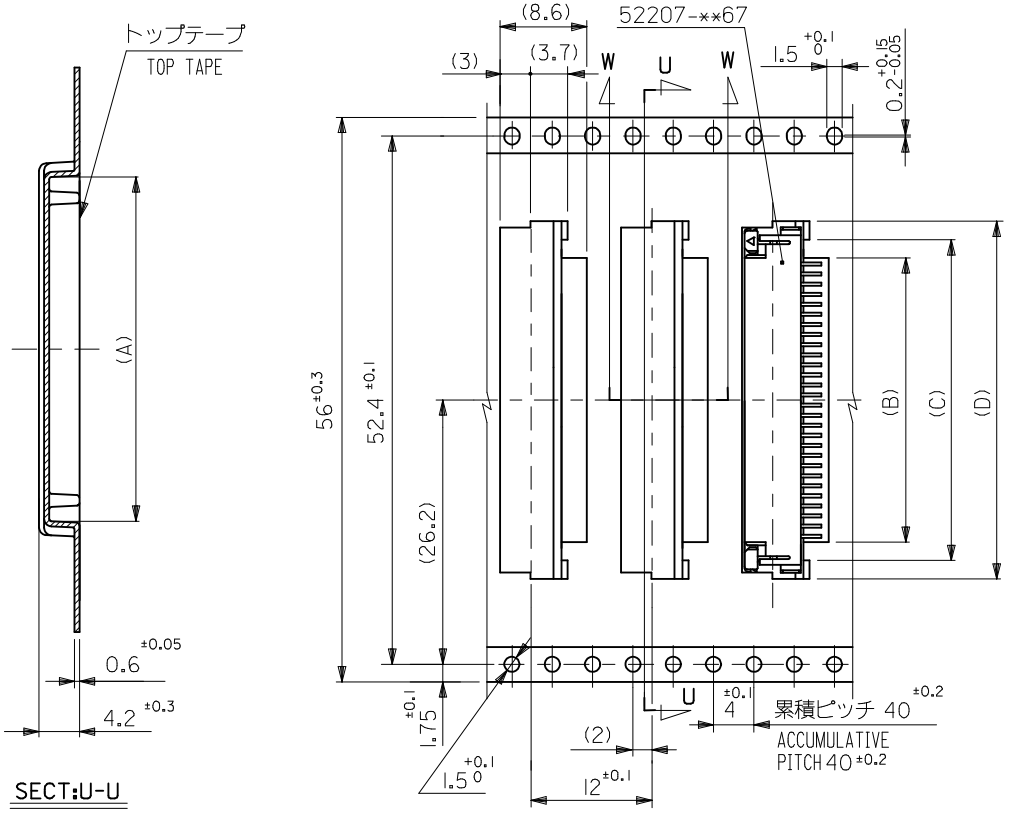
DRAWN BY: M.UMEDA DATE: 2005/03/03
CHECKED BY: K.TOYODA DATE: 2005/03/03
APPROVED BY: N.UKITA DATE: 2005/03/03

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

molex

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

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

キャリアテープ幅 CARRIER TAPE WIDTH	H	E	(D)	(C)	(B)	(A)	EMBOSSED PACKAGE ORDER NO.	極数 CKT.
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

SEE SHEET 1
EC NO: J2016-0832 2016/02/03
DRWN:YMIZUNO02 2016/02/03
CH'KD:KTAKAHASHI 2016/02/12
APPR:TKUSUHARA01
REV
DESCRIPTION
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GENERAL TOLERANCES (UNLESS SPECIFIED)

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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
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MATERIAL NO.: SEE CHART
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