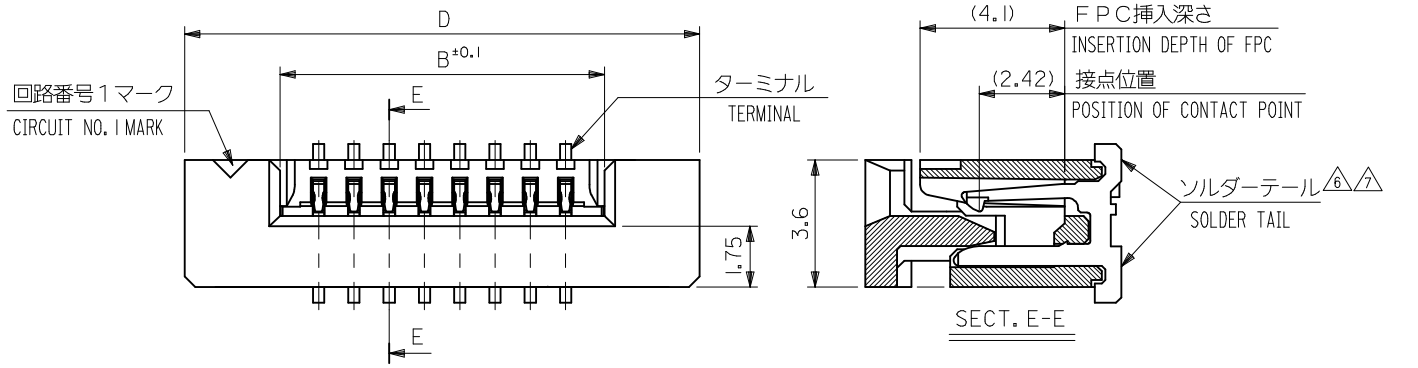
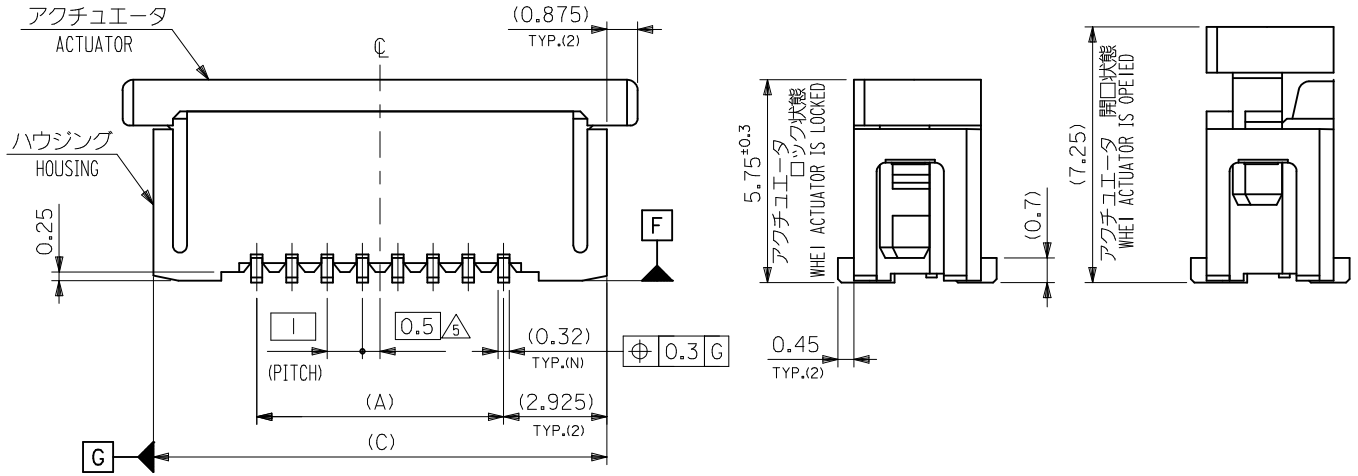



| D | (C) | B | (A) | EMBOSSED PACKAGE ORDER No.オーダー番号 | 極数 CKT. |
|---|---|---|---|---|---|
| 36.6 | 34.85 | 31.2 | 29 | 52610-3033 | 30 |
| 34.6 | 32.85 | 29.2 | 27 | 52610-2833 | 28 |
| 32.6 | 30.85 | 27.2 | 25 | 52610-2633 | 26 |
| 31.6 | 29.85 | 26.2 | 24 | 52610-2533 | 25 |
| 30.6 | 28.85 | 25.2 | 23 | 52610-2433 | 24 |
| 29.6 | 27.85 | 24.2 | 22 | 52610-2333 | 23 |
| 28.6 | 26.85 | 23.2 | 21 | 52610-2233 | 22 |
| 27.6 | 25.85 | 22.2 | 20 | 52610-2133 | 21 |
| 26.6 | 24.85 | 21.2 | 19 | 52610-2033 | 20 |
| 25.6 | 23.85 | 20.2 | 18 | 52610-1933 | 19 |
| 24.6 | 22.85 | 19.2 | 17 | 52610-1833 | 18 |
| 23.6 | 21.85 | 18.2 | 16 | 52610-1733 | 17 |
| 22.6 | 20.85 | 17.2 | 15 | 52610-1633 | 16 |
| 21.6 | 19.85 | 16.2 | 14 | 52610-1533 | 15 |
| 20.6 | 18.85 | 15.2 | 13 | 52610-1433 | 14 |
| 19.6 | 17.85 | 14.2 | 12 | 52610-1333 | 13 |
| 18.6 | 16.85 | 13.2 | 11 | 52610-1233 | 12 |
| 17.6 | 15.85 | 12.2 | 10 | 52610-1133 | 11 |
| 16.6 | 14.85 | 11.2 | 9 | 52610-1033 | 10 |
| 15.6 | 13.85 | 10.2 | 8 | 52610-0933 | 9 |
| 14.6 | 12.85 | 9.2 | 7 | 52610-0833 | 8 |
| 13.6 | 11.85 | 8.2 | 6 | 52610-0733 | 7 |
| 12.6 | 10.85 | 7.2 | 5 | 52610-0633 | 6 |
| 11.6 | 9.85 | 6.2 | 4 | 52610-0533 | 5 |

CONNECTOR SERIES NO. : 52610-**22

REVISED
EC NO: J2013-1133 2013/04/05
DRWN:NASANUMA 2013/04/11
CH'KD:KTAKAHASHI 2013/04/16
APPR:KMORIKAWA
DESCRIPTION
REV A

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

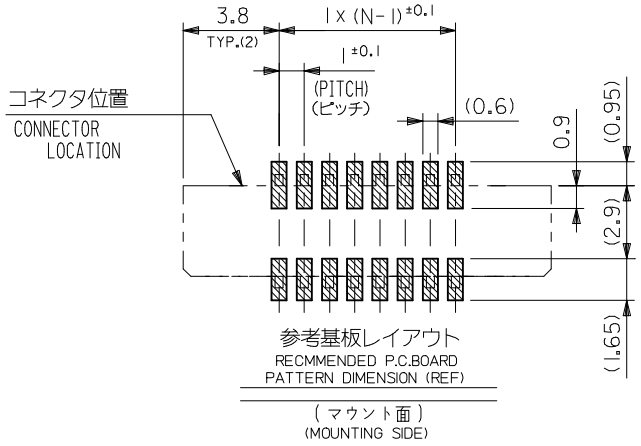
DRAWN BY: NASANUMA DATE: 2012/09/04
CHECKED BY: KTAKAHASHI DATE: 2012/09/04
APPROVED BY: KMORIKAWA DATE: 2013/03/15

TITLE: 1.0 FPC CONN ZIF S/T HOUSING ASSY

molex

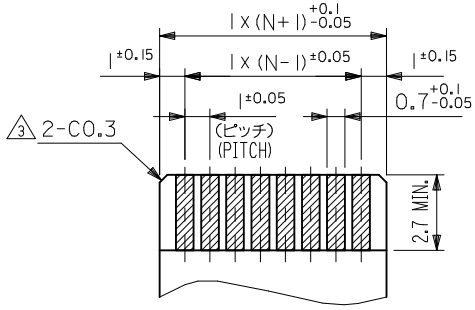
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-52610-048
SHEET NO.: 1 OF 2
SIZE: A3

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



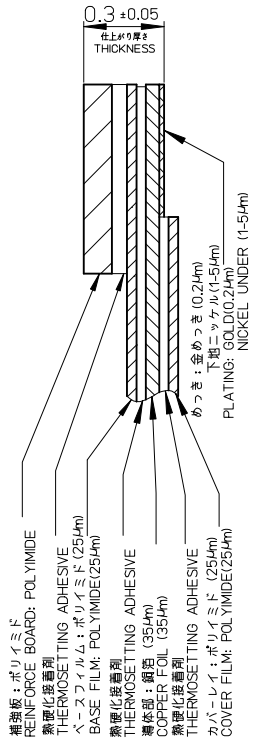

参考基板レイアウト
RECMMENDED P.C.BOARD
PATTERN DIMENSION (REF)

( マウント面 )
(MOUNTING SIDE)




適合ＦＰＣ推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION

( 仕上がり厚さ：0.3±0.05 )
( THICKNESS:0.3±0.05 )




FPC構成推奨仕様
STRUCTURE OF FPC

マスク厚　：120μm
マスク開口率：100%
SCREEN THICKNESS　:120 MICROMETER
SCREEN OPEN RATIO　:100%

注記(NOTES)：

1. 材質 MATERIAL
   ハウジング：ポリアミド(PA)，ナチュラル(白色)，ガラス充填，UL94V-0
   HOUSING:POLYAMIDE, NATURAL(WHITE), GLASS FILLED, UL94V-0
   アクチュエータ:ポリフェニレンサルファイドPPS, NATURAL(BROWN), GLASS FILLED, UL94V-0
   ACTUATOR:POLYPHENYLENE SULFIDE，ナチュラル(茶色)，ガラス充填，UL94-V0
   ターミナル：リン青銅(t=0.32)
   TERMINAL:PHOSPHOR BRONZE(t=0.32)

2. めっき仕様 PLATING
   ターミナル TERMINAL
   錫銀ビスマスめっき(1.0μm以上)
   TIN SILVER BISMUTH PLATING (1.0 MICROMETER MINIMUM)
   下地：ニッケルめっき(1.0μm以上)
   UNDER PLATE:NICKEL PLATING (1.0 MICROMETER MINIMUM)

△3. R0.3はFPCの導体部にかからないこと
   R0.3 MUST NOT BE OVERLAPED TO PATTERN OF FPC.

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 SHOULD BE LOCKED.

△5. 偶数極に適用。
   APPLY FOR EVEN CIRCUIT.

△6. ソルダーテール半田付け面のズレ量は、基準面 F に対し、上方向0.05MAX.、下方向0.15MAX.とする。
   MISALIGNMENT OF SOLDER TAILS FROM F UPPER DIRECTION 0.05 MAX., LOWER DIRECTION 0.15 MAX.

△7. ソルダーテールの平坦度は0.1mm以下とする。
   SOLDERTAIL COPLANARITY IS 0.1MM MAXIMUM.

8. ELV及びRoHS適合品
   ELV AND RoHS COMPLIANT

FPCについて ABOUT FPC
打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟箔銅35μmまたは50μmを推奨します。
補強フィルム材質はポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。
尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様、お願い致します。
RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER
RECOMMENDED STIFFENER MATERIAL: POLYIMIDE
RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE
NOTE: PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

SEE SHEET 1 OF 2
EC NO: J2013-1133
DRWN:NASANUMA 2013/04/05
CH'KD:KTAKAHASHI 2013/04/11
APPR:KMORIKAWA 2013/04/16
DESCRIPTION
REV
A

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

| | |
|---|---|
| DRAWN BY: NASANUMA | DATE: 2012/09/04 |
| CHECKED BY: KTAKAHASHI | DATE: 2012/09/04 |
| APPROVED BY: KMORIKAWA | DATE: 2013/03/15 |
| MATERIAL NO.: SEE CHART | |
| DOCUMENT NO.: SD-52610-048 | SHEET NO.: 2 OF 2 |
| SIZE: A3 | |

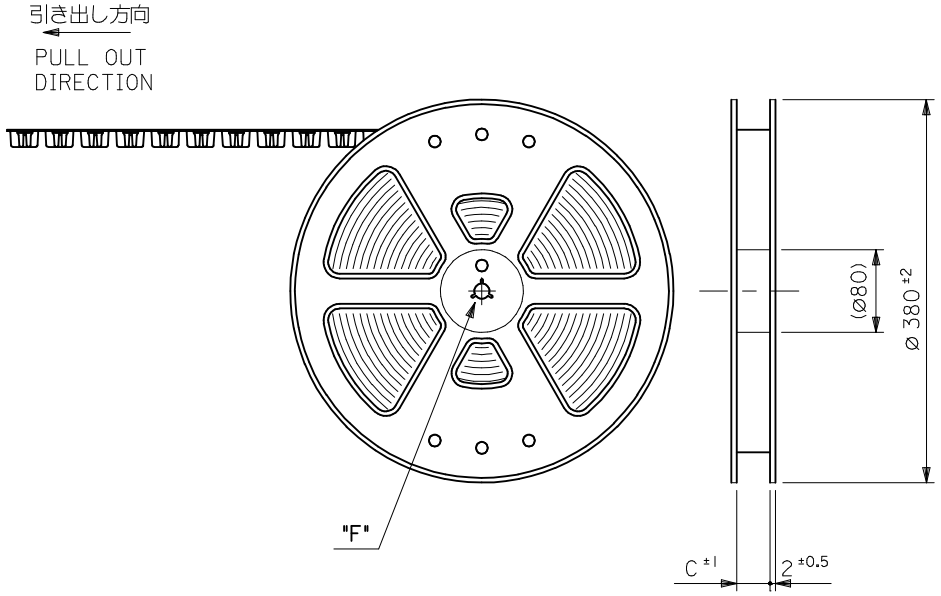
TITLE: 1.0 FPC CONN ZIF S/T HOUSING ASSY

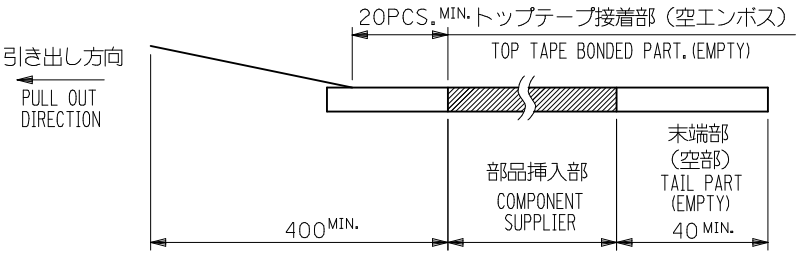
molex

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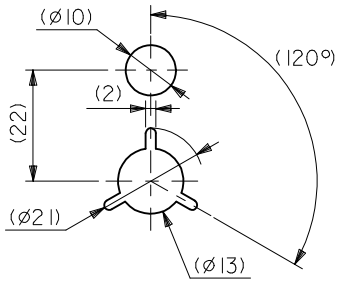
NOTES

1. 52610-**22のアクチュエータはハウジング内に押し下げた状態とする．
   詳細寸法については図面SD-52610-048をご参照ください．
   ACTUATOR OF PART NO. 52610-**22 SHULD BE LOCKED.
   RE DETAILED DIMENSIONS, SEE SD-52610-048
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. カバーテープの剥離強度については、IEC60286-3に準拠
   COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3.
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>
   POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>
6. ELV及びRoHS適合品
   ELV AND RoHS COMPLIANT




DETAIL "F"

RELEASED
EC NO: J2013-1003
DRWN:NASANUMA 2012/09/12
CH'KD:KTAKAHASHI 2012/09/12
APPR:KMORIKAWA 2013/03/15
DESCRIPTION
REV
0

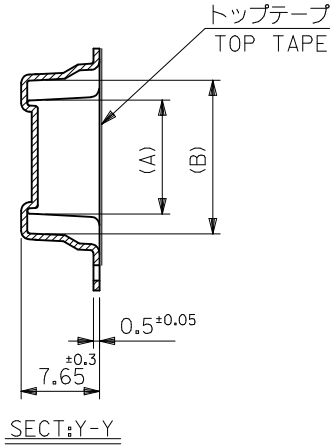
GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±--- |
| 10 OVER 30 UNDER | ±--- |
| 30 OVER | ±--- |
| ANGULAR ±--- ° | |

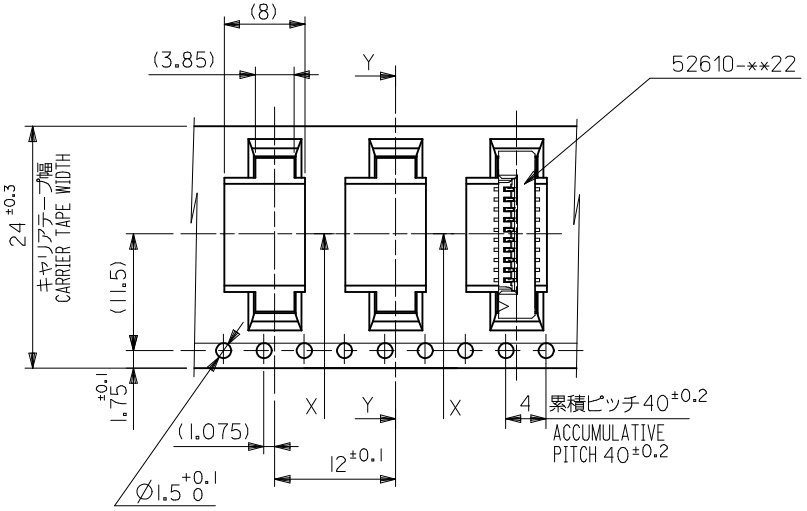
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | | | |
|---|---|---|---|
| DIMENSION STYLE: MM ONLY | SCALE: --- | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION |
| DRAWN BY: NASANUMA DATE: 2012/09/05 | TITLE: EMBOSS TAPE PACKAGED FOR 1.0 FPC CONN ZIF S/T HOUSING ASSY | | |
| CHECKED BY: KTAKAHASHI DATE: 2012/09/05 | | | |
| APPROVED BY: KMORIKAWA DATE: 2013/03/15 | molex | | |
| MATERIAL NO.: SEE CHART | DOCUMENT NO.: SD-52610-049 | SHEET NO.: 1 OF 3 | |
| SIZE: A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

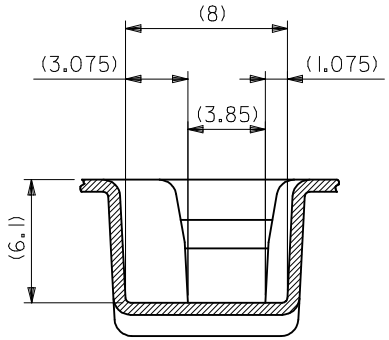
tb_frame_A3_J_ME_S
Rev G 2012/01/25




SECT:Y-Y




引き出し方向
PULL OUT DIRECTION




SECT:X-X
(SCALE:4-1)

| F | (E) | C | (B) | (A) | ENG. NO. | 極数 CKT. |
|---|---|---|---|---|---|---|
| 24 | 11.5 | 25.5 | 15.25 | 11.32 | 52610-1033 | 10 |
| | | | 14.25 | 10.32 | 52610-0933 | 9 |
| | | | 13.25 | 9.32 | 52610-0833 | 8 |
| | | | 12.25 | 8.32 | 52610-0733 | 7 |
| | | | 11.25 | 7.32 | 52610-0633 | 6 |
| | | | 10.25 | 6.32 | 52610-0533 | 5 |

SEE SHEET 1 OF 3
EC NO: J2013-1003 2012/09/12
DRWN:NASANUMA 2013/03/14
CH'KD:KTAKAHASHI 2013/03/15
APPR:KMORIKAWA
DESCRIPTION
REV 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±--- |
| 10 OVER 30 UNDER | ±--- |
| 30 OVER | ±--- |
| ANGULAR ±--- ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

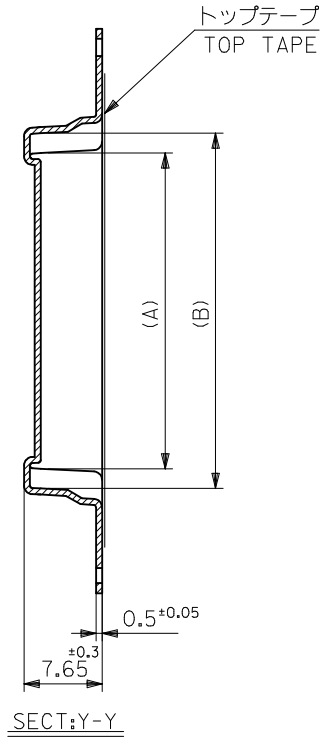
DRAWN BY: NASANUMA DATE: 2012/09/05
CHECKED BY: KTAKAHASHI DATE: 2012/09/05
APPROVED BY: KMORIKAWA DATE: 2013/03/15

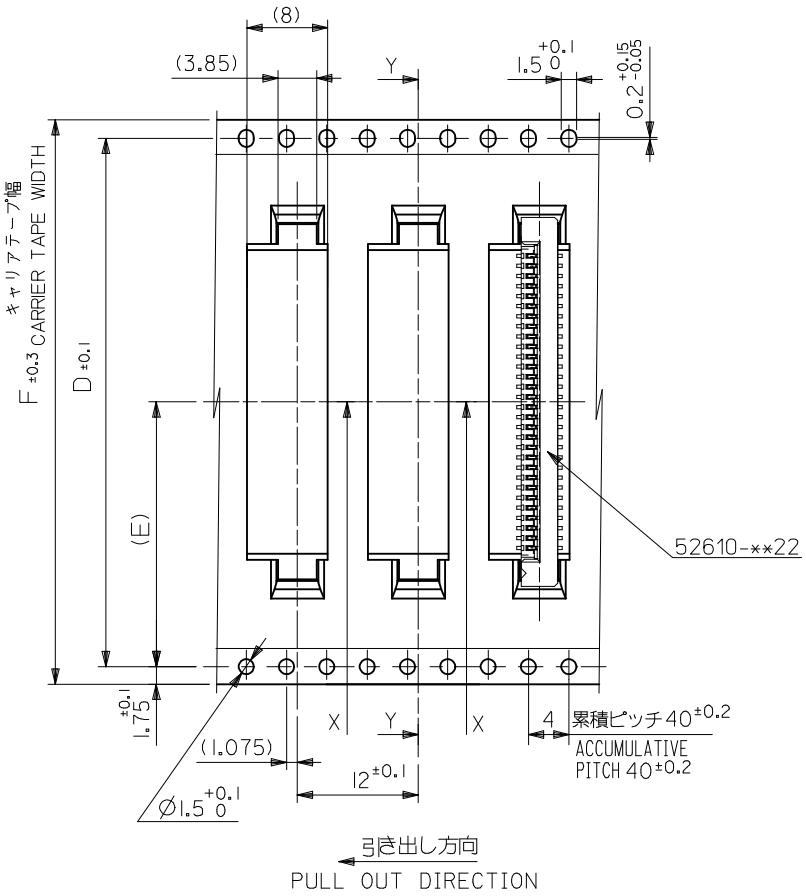
TITLE: EMBOSS TAPE PACKAGED FOR 1.0 FPC CONN ZIF S/T HOUSING ASSY

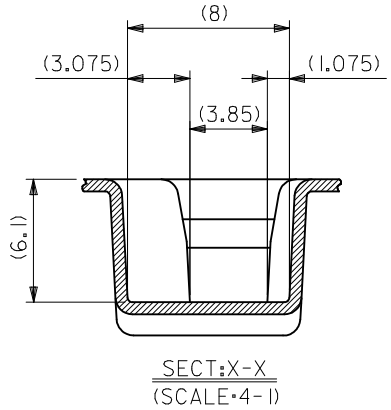
molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-52610-049
SHEET NO.: 2 OF 3
SIZE: A3

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




| F | (E) | D | C | (B) | (A) | ENG. NO. | 極数 CKT. |
|---|---|---|---|---|---|---|---|
| 56 | 26.2 | 52.4 | 57.5 | 35.25 | 31.32 | 52610-3033 | 30 |
| | | | | 33.25 | 29.32 | 52610-2833 | 28 |
| 44 | 20.2 | 40.4 | 46.5 | 31.25 | 27.32 | 52610-2633 | 26 |
| | | | | 30.25 | 26.32 | 52610-2533 | 25 |
| | | | | 29.25 | 25.32 | 52610-2433 | 24 |
| | | | | 28.25 | 24.32 | 52610-2333 | 23 |
| | | | | 27.25 | 23.32 | 52610-2233 | 22 |
| | | | | 26.25 | 22.32 | 52610-2133 | 21 |
| | | | | 25.25 | 21.32 | 52610-2033 | 20 |
| | | | | 24.25 | 20.32 | 52610-1933 | 19 |
| | | | | 23.25 | 19.32 | 52610-1833 | 18 |
| | | | | 22.25 | 18.32 | 52610-1733 | 17 |
| | | | | 21.25 | 17.32 | 52610-1633 | 16 |
| 32 | 33.5 | 33.5 | 33.5 | 20.25 | 16.32 | 52610-1533 | 15 |
| | | | | 19.25 | 15.32 | 52610-1433 | 14 |
| | | | | 18.25 | 14.32 | 52610-1333 | 13 |
| | | | | 17.25 | 13.32 | 52610-1233 | 12 |
| | | | | 16.25 | 12.32 | 52610-1133 | 11 |

SEE SHEET 1 OF 3
EC NO: J2013-1003 2012/09/13
DRWN:NASANUMA 2013/03/14
CH'KD:KTAKAHASHI 2013/03/15
APPR:KMORIKAWA
DESCRIPTION
REV
0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 10 UNDER | ±--- |
| 10 OVER 30 UNDER | ±--- |
| 30 OVER | ±--- |
| ANGULAR ±--- ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: NASANUMA DATE: 2012/09/05
CHECKED BY: KTAKAHASHI DATE: 2012/09/05
APPROVED BY: KMORIKAWA DATE: 2013/03/15
MATERIAL NO.: SEE CHART

TITLE: EMBOSSED TAPE PACKAGED FOR 1.0 FPC CONN ZIF S/T HOUSING ASSY

molex

DOCUMENT NO.: SD-52610-049
SHEET NO.: 3 OF 3
SIZE: A3

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