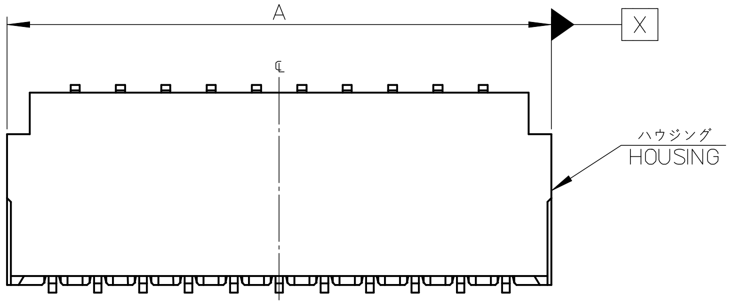
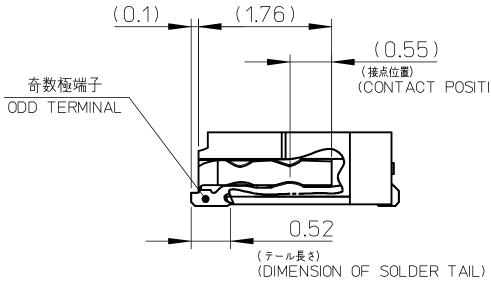
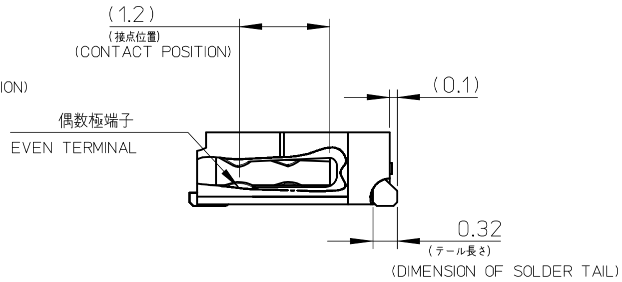
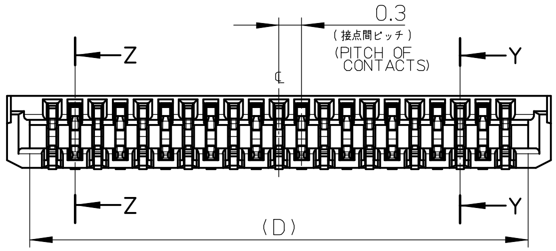


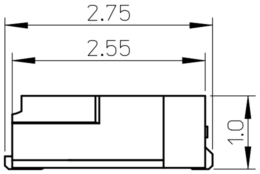


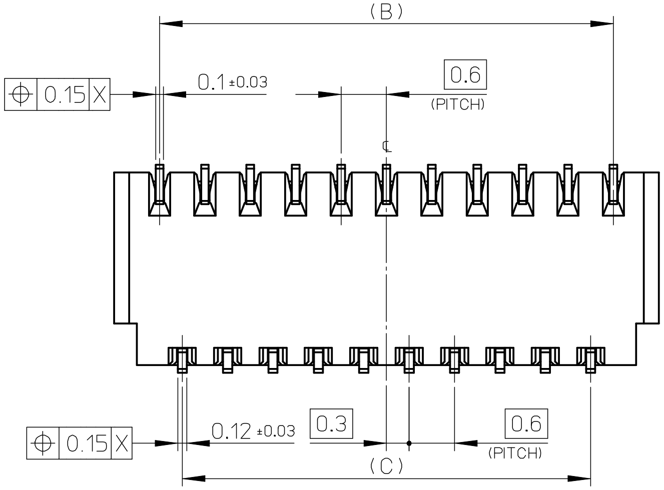
SECTION Y-Y



SECTION Z-Z







注記 NOTES

1. 使用材料 MATERIAL
   ハウジング：液晶ポリマー(LCP)、ナチュラル(白色系)、ガラス充填、UL94V-0
   奇数端子　：燐青銅、ニッケル下地、金メッキ
   偶数端子　：燐青銅、ニッケル下地、金メッキ
   HOUSING : LIQUID CRYSTAL POLYMER(LCP), NATURAL(WHITE)
   GLASS FILEED, UL94V-0
   ODD TERMINAL : PHOSPHOR BRONZE, Gold OVER Nickel PLATING
   EVEN TERMINAL : PHOSPHOR BRONZE, Gold OVER Nickel PLATING

2. めっき仕様 PLATNG
   ターミナル TERMINAL
   接点部：金メッキ 0.1μm以上
   テール部：金メッキ
   下地：ニッケルメッキ 1.0μm以上
   CONTACT AREA : GOLD PLATING 0.1μm MINIMUM
   TAIL AREA : GOLD PLATING
   UNDER PLATING : NICKEL PLATING 1.0μm MINIMUM

3. 端子のコプラナリティーは 0.1 以下とする。
   COPLANALITY OF SOLDER TAILS: 0.1MAX.

4. ELV及びRoHS適合品
   ELV AND RoHS COMPLIANT

5. 一般公差：±0.3
   GENERAL TOLERANCE:±0.3

D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	極 数 CIRCUIT
6.0	4.8	5.4	6.6	504281-1900	19
5.4	4.2	4.8	6.0	504281-1700	17
4.2	3.0	3.6	4.8	504281-1300	13
3.6	2.4	3.0	4.2	504281-1100	11

REV	DESCRIPTION		
0	RELEASED EC NO: J2014-0037 DRWN:SKUROSE CH'KD:HIIJIMA APPR:YNOGAWA		2014/04/28 2014/04/28 2014/05/07

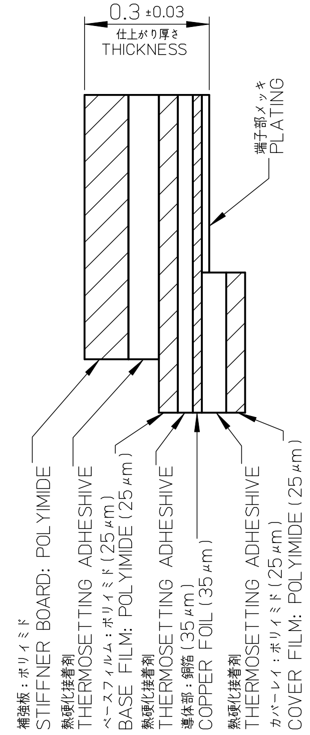
GENERAL TOLERANCES
(UNLESS SPECIFIED)

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

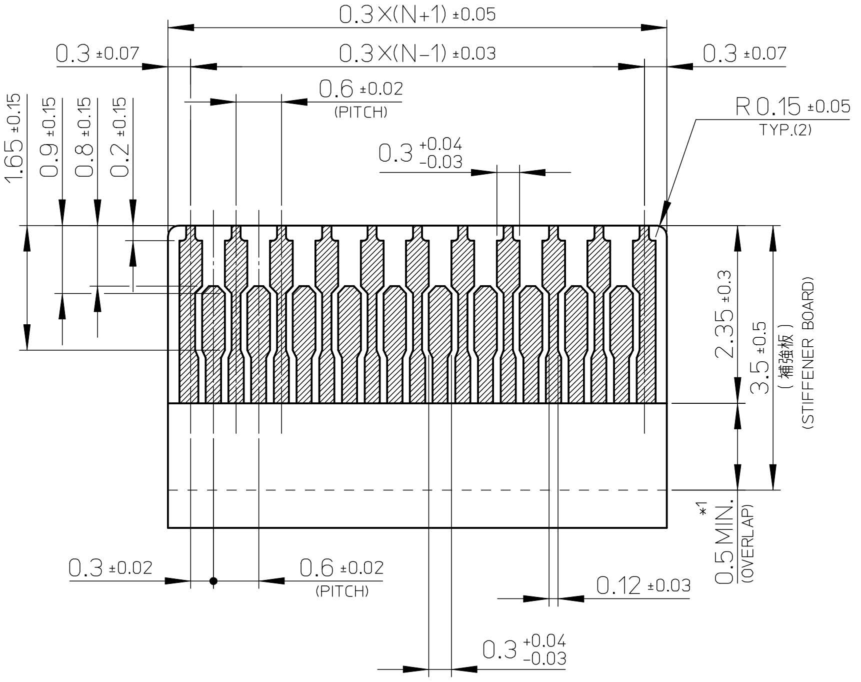
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	15:1
DESIGN UNITS	METRIC
	◎◁ THIRD ANGLE PROJECTION
DRAWN BY	NNISHI
DATE	2012/07/17
CHECKED BY	HIIJIMA
DATE	2012/07/17
APPROVED BY	YNOGAWA
DATE	2014/05/07
MATERIAL NO.	SEE CHART
TITLE	0.3 FPC CONN. NON-ZIF TYPE HGT=1.0MM
DOCUMENT NO.	SD-504281-001
SHEET NO.	1 OF 2
SIZE	A3

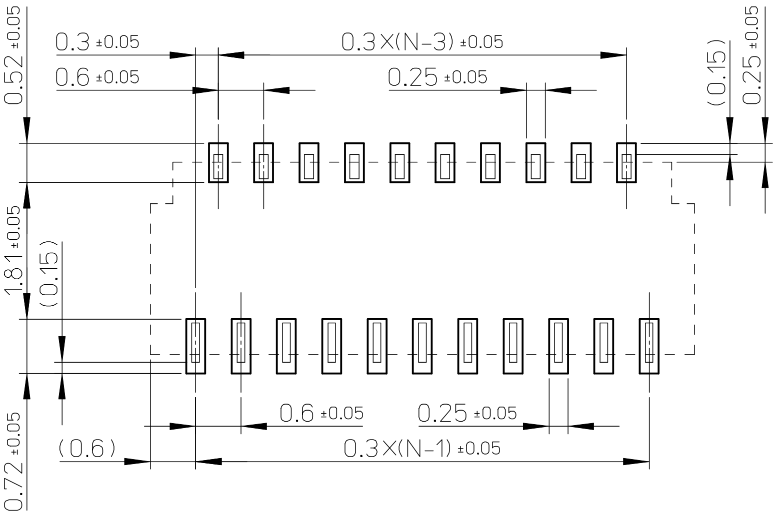
molex



FPC構成推奨仕様
STRUCTURE OF FPC



適合するFPC推奨寸法（参考）
APPLICABLE FPC
PATTERN DIMENSIONS(REF.)
（端子仕上がり厚さ：0.3±0.03）
（THICKNESS：0.3±0.03）



参考基板レイアウト
RECOMMENDED PCB
PATTERN DIMENSIONS(REF.)

推奨ペースト厚：100μm
推奨マスク開口率：80%
RECOMMEND SCREEN THICKNESS : 100μm
RECOMMEND SCREEN OPEN RATIO : 80%

·FPCについて(ABOUT FPC)
抜き方向は、導体側から補強板側を推奨します。
補強板材質はポリイミド、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同通不良の原因となりますので、
染み出しが無い様お願いします。
RECOMMENDED PUNCHER DIRECTION:
FROM CONDUCTOR SIDE TO STIFFENER BORAD SIDE
RECOMMENDED MATERIAL:
STIFFENER BOARD: POLYIMIDE
BONDING AGENT: THERMOSETTING AGENT
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON
ADHEREND BECAUSE THERE IS A POSSIBILITY THAT
THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY

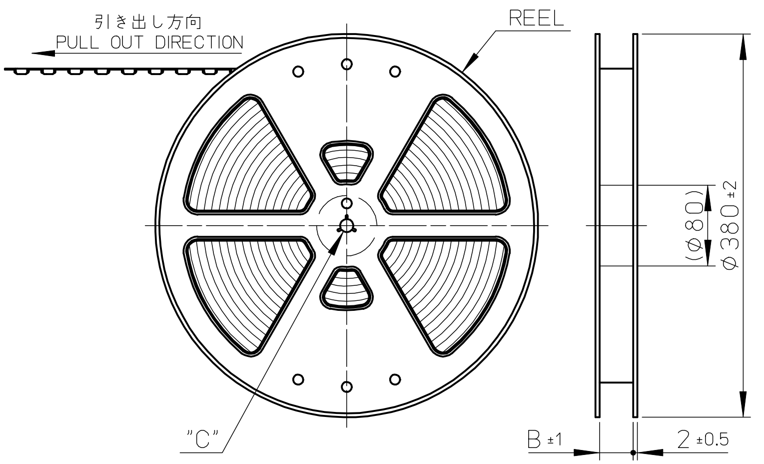
·FPCパターンメッキ仕様(FPC PATTERN PLATING)
金メッキ：0.1μm以上
下地ニッケルメッキ：2~6μm
GOLD PLATING : 0.1μm MINIMUM
NICKEL UNDER PLATING : 2~6μm

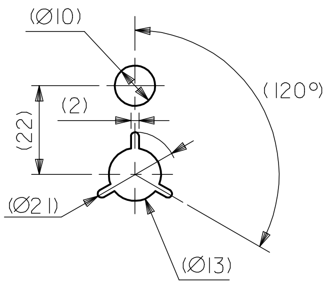
*1 補強板長さが図面通り確保できない場合は、カバーレイと
補強板のオーバーラップ寸法を0.5mm以上として下さい。
WHEN STIFFENER BOARD DIMENSION CAN NOT
SECURE AS DRAWING, PLEASE GIVE THE OVERLAP
SIZE OF COVER FILM AND STIFFENER BOARD AS 0.5mm MINIMUM

REV	DESCRIPTION	
0		SEE SHEET 1 OF 2 EC NO: J2014-0037 DRWN:SKUROSE 2014/04/28 CH'KD:HIIJIMA 2014/04/28 APPR:YNOGAWA 2014/05/07

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: 15:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: NNISHI	DATE: 2012/07/17	TITLE: 0.3 FPC CONN. NON-ZIF TYPE HGT=1.0MM	
CHECKED BY: HIIJIMA	DATE: 2012/07/17		
APPROVED BY: YNOGAWA	DATE: 2014/05/07	molex	
MATERIAL NO.: SEE SHEET 1		DOCUMENT NO.: SD-504281-001	SHEET NO.: 2 OF 2
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

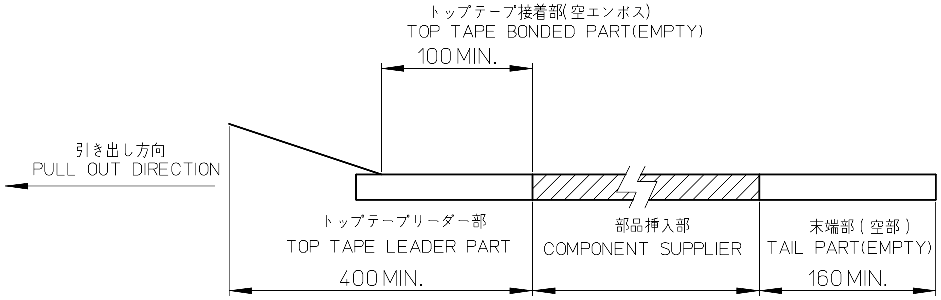




DETAIL "C"

注記 NOTES

1. 製品詳細寸法については図面SD-504281-001を参照下さい．
   CONNECTOR DETAILED DIMENSIONS, REFER TO SD-504281-001.
2. 梱包数量：5000個/リール
   NUMBER OF CONNECTORS : 5000PCS / REEL
3. リードテープ長さ
   LEAD TAPE LENGTH



4. キャリアテープ(CARRIER TAPE) : ポリスチレン(POLYSTYRENE)
   トップテープ(TOP TAPE) : PET, PE, PEF
   リール(REEL) : ポリスチレン(POLYSTYRENE)<リサイクル材を含む>
   POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>
5. トップテープの剥離強度については、IEC60286-3に準拠
   TOP TAPE PEEL FORCE IS DEFINED BY IEC60286-3

REV	DESCRIPTION
0	RELEASED EC NO: J2014-0037 2014/04/28 DRWN:SKUROSE 2014/04/28 CH'KD:HIIJIMA 2014/05/07 APPR:YNOGAWA

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	

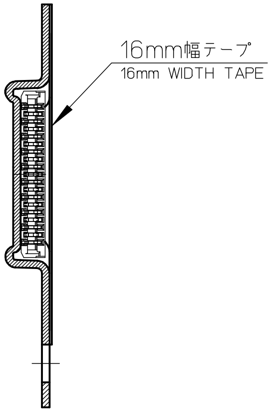
DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

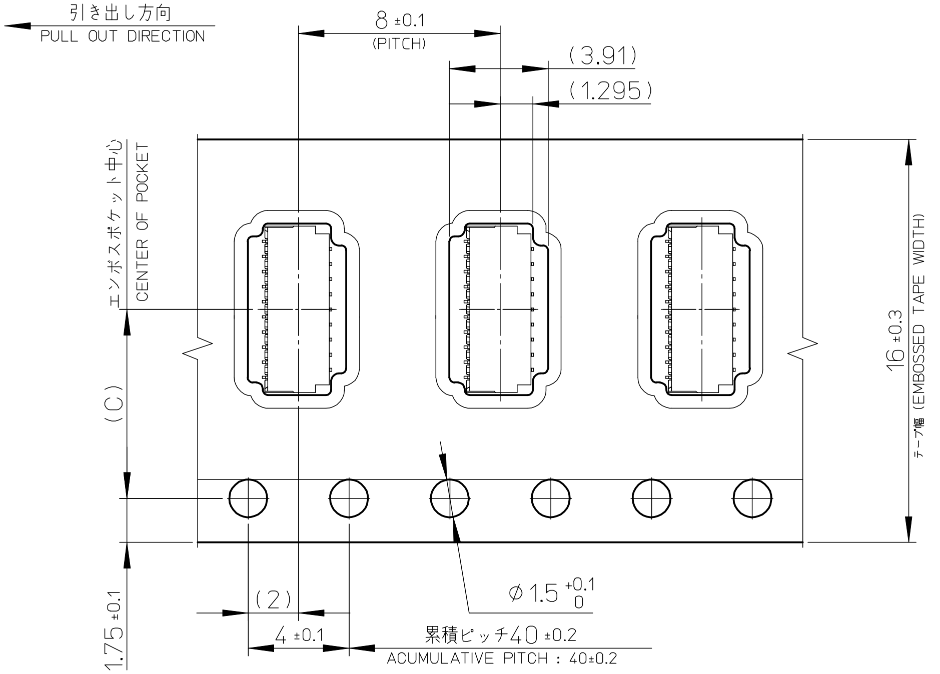
		DATE
DRAWN BY	SKUROSE	2013/05/20
CHECKED BY	HIIJIMA	2013/05/20
APPROVED BY	YNOGAWA	2014/05/07

TITLE: 0.3 FPC CONN
NON-ZIF TYPE
HGT=1.0MM

molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-504281-002
SHEET NO.: 1 OF 2
SIZE: A3





C	B	A	EMBOSSED TAPE PACKAGE オーダー番号 ORDER NO.	極 数 CKT.
7.5	17.4	6.6	504281-1900	19
		6.0	504281-1700	17
		4.8	504281-1300	13
		4.2	504281-1100	11

REV	DESCRIPTION
0	SEE SHEET 1 OF 2 EC NO: J2014-0037 DRWN:SKUROSE 2014/04/28 CH'KD:HIIJIMA 2014/04/28 APPR:YNOGAWA 2014/05/07

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: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	SKUROSE	DATE 2013/05/20
CHECKED BY	HIIJIMA	DATE 2013/05/20
APPROVED BY	YNOGAWA	DATE 2014/05/07

TITLE
0.3 FPC CONN
NON-ZIF TYPE
HGT=1.0MM

molex

MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-504281-002
SHEET NO.: 2 OF 2
SIZE: A3