

## Excellent Integrated System Limited

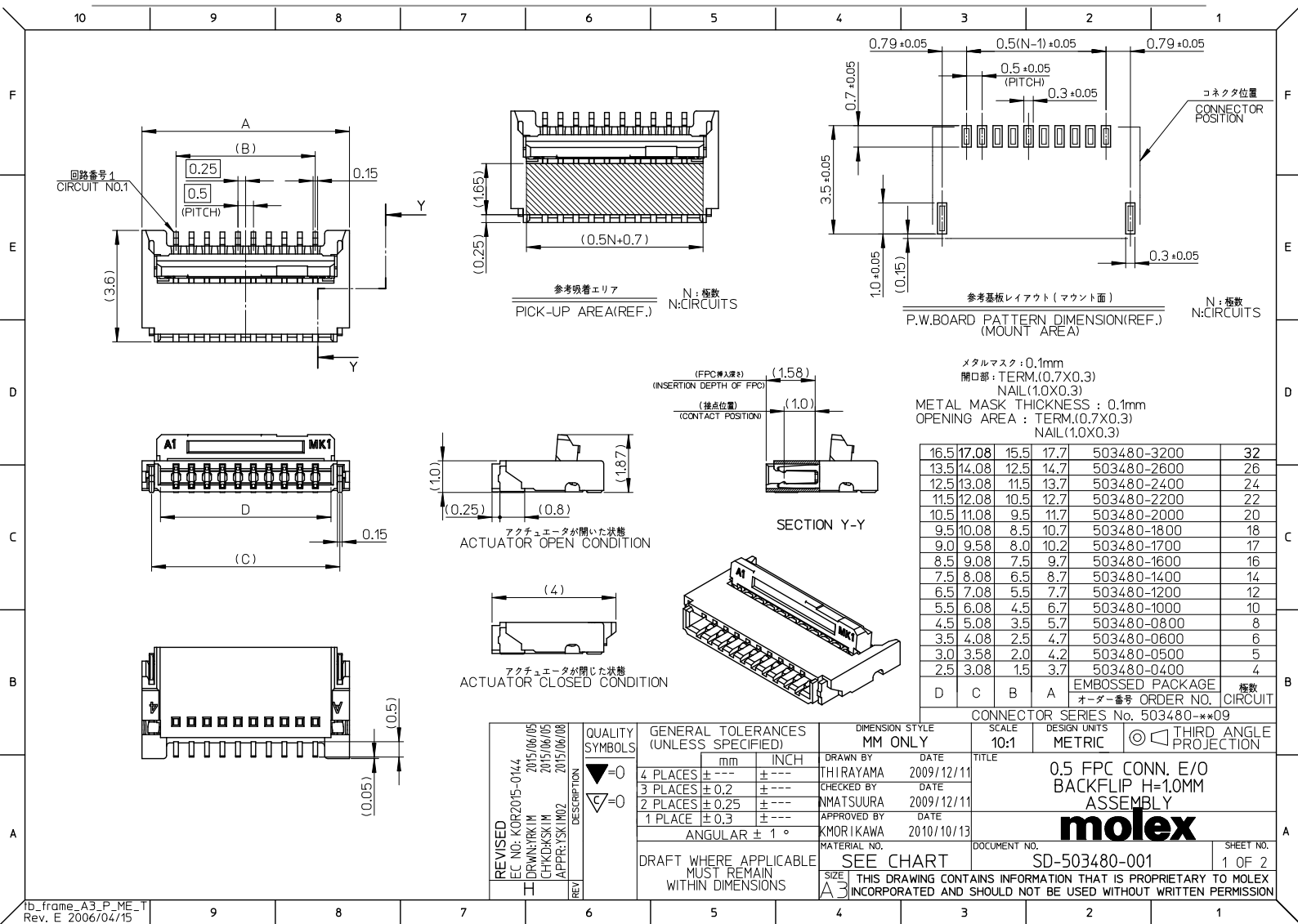
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[5034801600](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



## NOTES

## 1. 部品構成

## PART COMPOSITION

ハウジング・・・材質：液晶ポリマー (LCP)、ガラス充填、UL94V-0、ナチュラル (白)  
HOUSING MATERIAL: LIQUID CRYSTAL POLYMER (LCP)  
GLASS FILLED, UL94V-0, NATURAL (WHITE)

## ターミナル・・・材質：焼青銅

TERMINAL MATERIAL: PHOSPHOR BRONZE

コンタクト部：部分金メッキ (0.1μm以上)

テール部：部分金メッキ

下地：ニッケルメッキ (1.0μm以上)

CONTACT AREA: SEPARATED GOLD PLATING

(0.1 MICROMETER MINIMUM)

SOLDER TAIL AREA: SEPARATED GOLD PLATING

UNDERPLATE: NICKEL OVERALL

(1.0 MICROMETER MINIMUM)

アクチュエータ・・・材質：ポリアミド (PA)、ガラス充填、UL94 HB、黒色  
ACTUATOR MATERIAL: POLYAMIDE (PA), GLASS FILLED,  
UL94 HB, BLACK

## ネール・・・材質：焼青銅

NAIL MATERIAL: PHOSPHOR BRONZE

テール部：鍍メッキ (1.0μm以上)

下地：ニッケルメッキ (1.0μm以上)

SOLDER TAIL AREA: TIN OVERALL (1.0 MICROMETER MINIMUM)

UNDERPLATE: NICKEL OVERALL (1.0 MICROMETER MINIMUM)

## 2. 基板装着前にアクチュエータを操作しないで下さい。

PLEASE DO NOT OPERATE THE ACTUATOR BEFORE MOUNTING.

## 3. 必ずFPCを挿入してからアクチュエータを操作して下さい。

PLEASE OPERATE THE ACTUATOR AFTER INSERTING THE FPC INTO THE CONNECTOR.

## 4. FPCについて

ABOUT FPC

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 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.

打抜き方向は導体側から補強板側を推奨致します。

導体部については軟銅箔35μmを推奨致します。

RECOMMENDED PUNCHER DIRECTION:

FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.

RECOMMENDED CONDUCTOR SPECIFICATION:

THICKNESS OF SOFT COPPER FOIL: 35MICROMETER

△ R0.3は、FPC導体部にかからないこと。

R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

6. ELV及びRoHS適合品

ELV AND ROHS COMPLIANT

7. 平坦度: 0.1以下

COPLANARITY: 0.1 MAXIMUM

8. 製造上の都合により機能に阻害しない部分の形状を変更する可能性があります。

PLEASE RECOGNIZE A POSSIBILITY TO CHANGE THE SHAPE

OF THE PART THAT DOES NOT OBSTRUCT A FUNCTION,

BY CIRCUMSTANCES IN OUR PRODUCTION.

9. 本製品の納入状態はアクチュエータが開いた状態となります。

THIS PRODUCT IS DELIVERED WITH THE ACTUATOR

IN THE OPEN POSITION.

10. 本製品は両面 (上面、下面) 接触に対応しております。

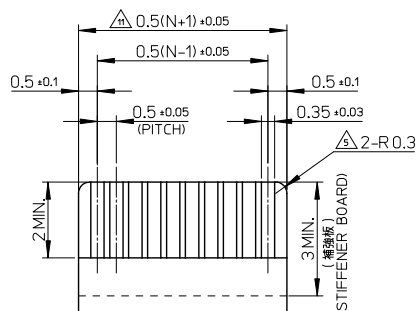
THIS PRODUCT IS DUAL-CONTACT

(TOP- AND BOTTOM-CONTACTS) TYPE CONNECTOR.

△ FPC幅が0.5(N+1)+0.02を超える場合、FPC挿入性の事前確認をお願いします。

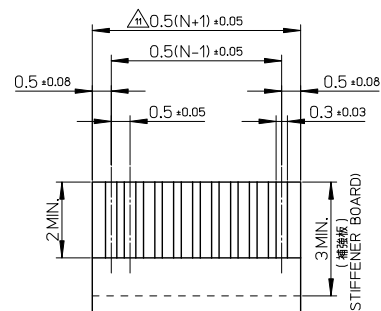
PLEASE CONFIRM TO INSERT FPC IN ADVANCE WHEN FPC

WIDTH IS OVER 0.5(N+1)+0.02.



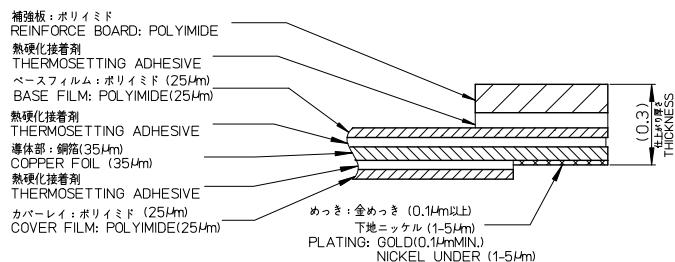
適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3±0.05) : 30 極以下に適用  
(THICKNESS: 0.3±0.05) : 30 OR LESS CIRCUITS  
(仕上がり厚さ: 0.3±0.03) : 31 極以上に適用  
(THICKNESS: 0.3±0.03) : 31 OR OVER CIRCUITS



適合FFC推奨寸法  
APPLICABLE FFC  
RECOMMENDED DIMENSION

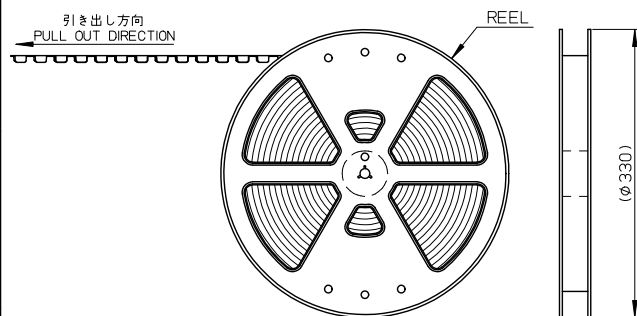
(仕上がり厚さ: 0.3±0.05) : 30 極以下に適用  
(THICKNESS: 0.3±0.05) : 30 OR LESS CIRCUITS  
(仕上がり厚さ: 0.3±0.03) : 31 極以上に適用  
(THICKNESS: 0.3±0.03) : 31 OR OVER CIRCUITS



FPC構成推奨仕様  
STRUCTURE OF FPC

|            |                       |             |                                   |                                       |                                                            |                            |                       |                                                                                                                                  |                                                                                |                                                                                                                 |
|------------|-----------------------|-------------|-----------------------------------|---------------------------------------|------------------------------------------------------------|----------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| SEE SHEET1 | EC NO. : KOR2015-0144 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                            | DIMENSION STYLE<br>MM ONLY |                       | SCALE<br>10:1                                                                                                                    | DESIGN UNITS<br>METRIC                                                         |  THIRD ANGLE<br>PROJECTION |
|            | 2015/06/05            |             |                                   | 2015/06/05                            | mm                                                         | INCH                       | DRAWN BY<br>THIRAYAMA | DATE<br>2009/12/11                                                                                                               | TITLE<br>0.5 FPC CONN. E/O<br>BACKFLIP H=1.0MM<br>ASSEMBLY<br><br><b>molex</b> |                                                                                                                 |
|            | 2015/06/05            |             |                                   | 2015/06/05                            | 4 PLACES ±---                                              | ±---                       | CHECKED BY<br>DATE    | 2009/12/11                                                                                                                       |                                                                                |                                                                                                                 |
|            | 2015/06/05            |             |                                   | 2015/06/05                            | 3 PLACES ±0.2                                              | ±---                       | NMATSUURA             | 2009/12/11                                                                                                                       |                                                                                |                                                                                                                 |
|            | 2015/06/05            |             |                                   | 2015/06/05                            | 2 PLACES ±0.25                                             | ±---                       | APPROVED BY<br>DATE   | 2010/10/13                                                                                                                       |                                                                                |                                                                                                                 |
|            | 2015/06/05            |             |                                   | 2015/06/05                            | 1 PLACE ±0.3                                               | ±---                       | KMORIKAWA             | 2010/10/13                                                                                                                       |                                                                                |                                                                                                                 |
|            | 2015/06/05            |             |                                   | 2015/06/05                            | ANGULAR ± 1 °                                              |                            | MATERIAL NO.          | DOCUMENT NO.                                                                                                                     | SHEET NO.<br>2 OF 2                                                            |                                                                                                                 |
|            | 2015/06/05            |             |                                   | 2015/06/05                            | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                            | SEE SHEET1            | SD-503480-001                                                                                                                    |                                                                                |                                                                                                                 |
|            | 2015/06/05            |             |                                   | 2015/06/05                            |                                                            |                            | SIZE A3               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                |                                                                                                                 |

10 9 8 7 6 5 4 3 2 1

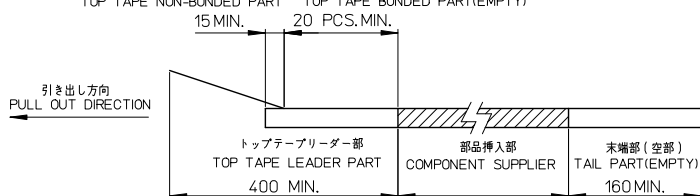


## NOTES

1.製品(503480-\*\*-09)の詳細寸法については、SD-503480-001をご参照下さい。  
IN THE PACKAGE, PART NO.503480-\*\*-09 DETAILED DIMENSIONS.  
REFER TO SD-503480-001.

2.梱包数量:3000個/リール  
NUMBER OF CONNECTORS : 3000PCS/REEL

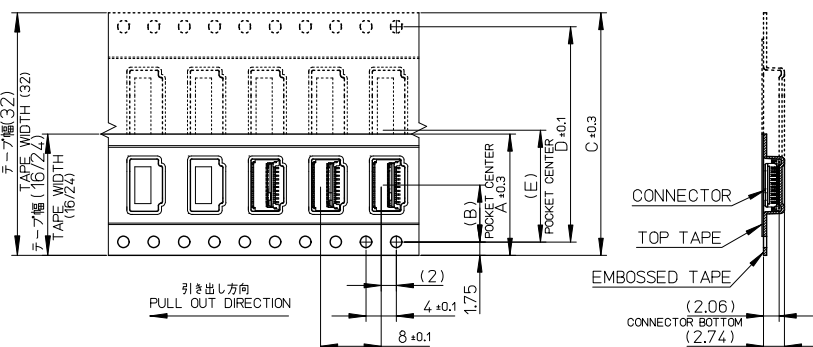
3.リードテープの長さ  
LEAD TAPE LENGTH  
トップテープ未接着部 TOP TAPE NON-BONDED PART  
トップテープ接着部(空エンボス) TOP TAPE BONDED PART(EMPTY)



4.材料  
キャリアテープ :PET  
トップテープ :PET, OTHER  
リール :PS<リサイクル材を含む>

MATERIAL  
CARRIER TAPE :PET  
TOP TAPE :PET,OTHER  
REEL :PS <RECYCLE MATERIAL CONTAINED>

5.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.



エンボステープ内の製品の向き  
DIRECTION OF CONNECTOR IN EMBOSSED TAPE

|      |      |    |      |    |                        |                           |               |
|------|------|----|------|----|------------------------|---------------------------|---------------|
| 14.2 | 28.4 | 32 | -    | -  | 32                     | 503480-3200               | 32            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-2600               | 26            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-2400               | 24            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-2200               | 22            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-2000               | 20            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-1800               | 18            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-1700               | 17            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-1600               | 16            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-1400               | 14            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-1200               | 12            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-1000               | 10            |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-0800               | 8             |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-0600               | 6             |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-0500               | 5             |
| -    | -    | -  | 11.5 | 24 | 24                     | 503480-0400               | 4             |
| E    | D    | C  | B    | A  | テープ幅<br>TAPE WIDTH     | オーダー番号<br>ORDER NO.       | 極数<br>CIRCUIT |
|      |      |    |      |    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |               |

## QUALITY SYMBOLS

▽=0

▽=0

## GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm    | INCH |
|----------|-------|------|
| 4 PLACES | ±0.2  | ±--- |
| 3 PLACES | ±0.25 | ±--- |
| 2 PLACES | ±0.3  | ±--- |
| 1 PLACE  | ±---  | ±--- |
| ANGULAR  | ± 3 ° |      |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

## DIMENSION STYLE

MM ONLY

DRAWN BY DATE

THIRAYAMA 2009/12/11

CHECKED BY DATE

NMATSUURA 2009/12/11

APPROVED BY DATE

KMORIKAWA 2009/12/11

MATERIAL NO.

SEE TABLE

## SCALE

2:1

TITLE

0.5 FPC CONN. E/O

EMBOSSED TAPE PACKAGE

DOCUMENT NO.

SD-503480-002

SHEET NO.

1 OF 1

molex