

参考基板レイアウト (マウント面)  
 P.W. BOARD PATTERN DIMENSION(REF.)  
 (MOUNT AREA)  
 N:極数  
 N:CIRCUITS  
 メタルマスク: 0.1mm  
 開口部: TERM.(0.7X0.3)  
 NAIL(1.0X0.3)  
 METAL MASK THICKNESS: 0.1mm  
 OPENING AREA: TERM.(0.7X0.3)  
 NAIL(1.0X0.3)

|      |       |      |      |                  |         |
|------|-------|------|------|------------------|---------|
| 16.5 | 17.08 | 15.5 | 17.7 | 503480-3200      | 32      |
| 13.5 | 14.08 | 12.5 | 14.7 | 503480-2600      | 26      |
| 11.5 | 12.08 | 10.5 | 12.7 | 503480-2200      | 22      |
| 10.5 | 11.08 | 9.5  | 11.7 | 503480-2000      | 20      |
| 9.5  | 10.08 | 8.5  | 10.7 | 503480-1800      | 18      |
| 9.0  | 9.58  | 8.0  | 10.2 | 503480-1700      | 17      |
| 8.5  | 9.08  | 7.5  | 9.7  | 503480-1600      | 16      |
| 7.5  | 8.08  | 6.5  | 8.7  | 503480-1400      | 14      |
| 6.5  | 7.08  | 5.5  | 7.7  | 503480-1200      | 12      |
| 5.5  | 6.08  | 4.5  | 6.7  | 503480-1000      | 10      |
| 4.5  | 5.08  | 3.5  | 5.7  | 503480-0800      | 8       |
| 3.5  | 4.08  | 2.5  | 4.7  | 503480-0600      | 6       |
| 2.5  | 3.08  | 1.5  | 3.7  | 503480-0400      | 4       |
| D    | C     | B    | A    | EMBOSSED PACKAGE | 極数      |
|      |       |      |      | オーダー番号 ORDER NO. | CIRCUIT |

CONNECTOR SERIES No. 503480-\*\*\*09

|   |                                       |  |                            |   |  |                        |                        |
|---|---------------------------------------|--|----------------------------|---|--|------------------------|------------------------|
| REVISED<br>EC NO: KOR2013-0037<br>DRWN: YRBAE 2012/09/24<br>CHKD:<br>APPR: YSK IM02 2012/09/26<br>REV | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |   | SCALE<br>10:1  | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |
|   | 10 UNDER                              | ±0.2   | DRAWN BY<br>THIRAYAMA      | DATE<br>2009/12/11  | TITLE<br>0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY |                        |                        |
|   | 10 OVER 30 UNDER                      | ±0.25  | CHECKED BY<br>NMATSUURA    | DATE<br>2009/12/11  | MOLEX INCORPORATED                                   |                        |                        |
|   | 30 OVER                               | ±0.3   | APPROVED BY<br>KMORIKAWA   | DATE<br>2010/10/13  | DOCUMENT NO.<br>SD-503480-001                        |                        |                        |
| ANGULAR ±1 °  |                                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                            | SEE CHART   |  | SHEET NO.<br>1 OF 2    |                        |
|   |                                       |  |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |                        |

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：燐青銅  
TERMINAL MATERIAL: PHOSPHOR BRONZE

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

ネイル・・・材質：燐青銅  
NAIL MATERIAL: PHOSPHOR BRONZE

UNDERPLATE: NICKEL OVERALL(1.0 MICROMETER MINIMUM)

2. 基板実装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。

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

△5 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

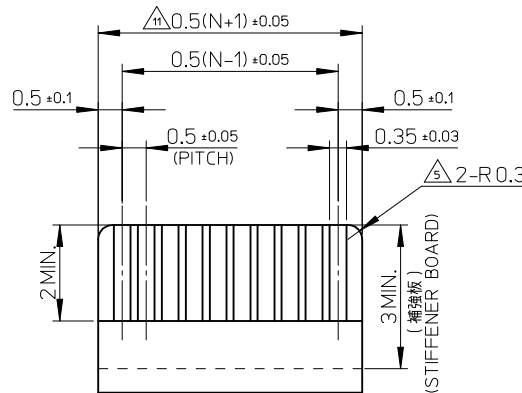
8. 製造上の都合により機能を阻害しない部位の形状を変更する可能性があります。  
PLEASE RECOGNIZE A POSSIBILITY TO CHANGE THE SHAPE OF THE PART THAT DOES NOT OBSTRUCT A FUNCTION, BY CIRCUMSTANCES IN OUR PRODUCTION.

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.

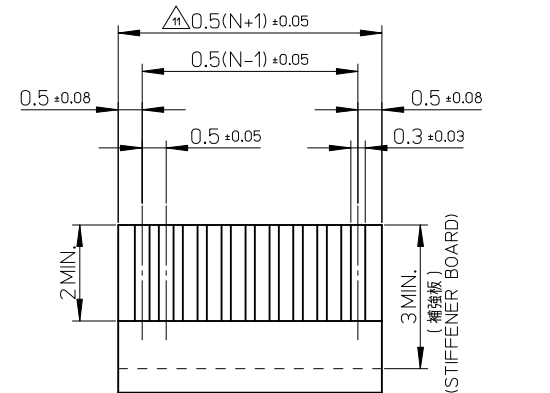
10. 本製品は両面(上面、下面)接触に対応しております。

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.



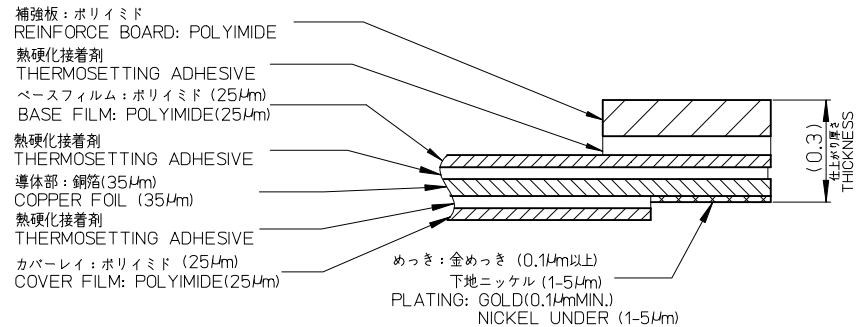
適合FPC推奨寸法  
APPLICABLE FPC RECOMMENDED DIMENSION

(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 SHEET 1<br>EC NO: KORZ013-0037<br>DRAWN: YBRAE 2012/09/24<br>CHKD:<br>APPR: YSK IM02 2012/09/26<br>DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | DIMENSION STYLE<br>MM ONLY  | SCALE<br>10:1               | DESIGN UNITS<br>METRIC                               | THIRD ANGLE PROJECTION        |
|  | 10 UNDER   | ±0.2  | DRAWN BY<br>THIRAYAMA   | DATE<br>2009/12/11          | TITLE<br>0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY |                               |
|  | 10 OVER 30 UNDER                                     | ±0.25 | CHECKED BY<br>NMATSUURA   | DATE<br>2009/12/11          | APPROVED BY<br>KMORIKAWA                             |                               |
|  | 30 OVER  | ±0.3  | DATE<br>2010/10/13  | MATERIAL NO.<br>SEE SHEET 1 |  | DOCUMENT NO.<br>SD-503480-001 |
|  | ANGULAR ±1 °   |       | SIZE<br>A3  |                             | SHEET NO.<br>2 OF 2                                  |                               |
|  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                             |  |                               |