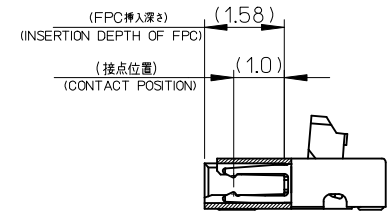
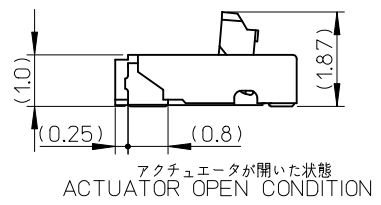
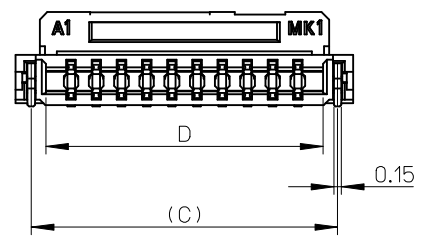
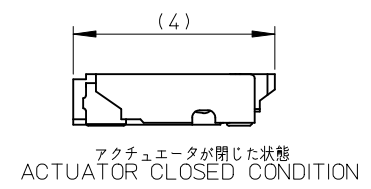
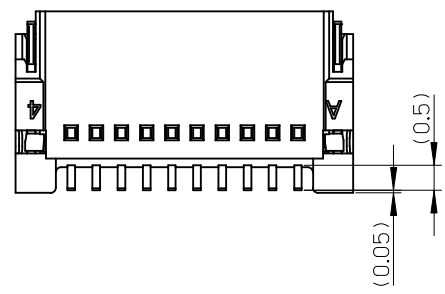
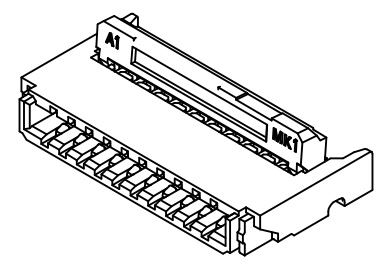


参考吸着エリア  
PICK-UP AREA(REF.)  
N:極数  
N:CIRCUITS

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



SECTION Y-Y



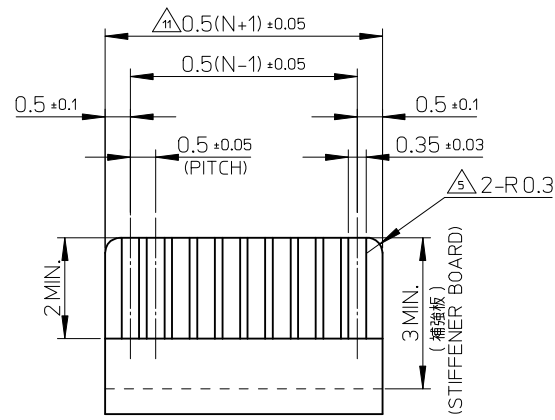
メタルマスク: 0.1mm  
開口部: TERM.(0.7X0.3)  
NAIL(1.0X0.3)  
METAL MASK THICKNESS: 0.1mm  
OPENING AREA: TERM.(0.7X0.3)  
NAIL(1.0X0.3)

|                                  |       |      |      |                  |                   |
|----------------------------------|-------|------|------|------------------|-------------------|
| 16.5                             | 17.08 | 15.5 | 17.7 | 503480-3240      | 32                |
| 13.5                             | 14.08 | 12.5 | 14.7 | 503480-2640      | 26                |
| 11.5                             | 12.08 | 10.5 | 12.7 | 503480-2240      | 22                |
| 10.5                             | 11.08 | 9.5  | 11.7 | 503480-2040      | 20                |
| 9.5                              | 10.08 | 8.5  | 10.7 | 503480-1840      | 18                |
| 9.0                              | 9.58  | 8.0  | 10.2 | 503480-1740      | 17                |
| 8.5                              | 9.08  | 7.5  | 9.7  | 503480-1640      | 16                |
| 7.5                              | 8.08  | 6.5  | 8.7  | 503480-1440      | 14                |
| 6.5                              | 7.08  | 5.5  | 7.7  | 503480-1240      | 12                |
| 5.5                              | 6.08  | 4.5  | 6.7  | 503480-1040      | 10                |
| 4.5                              | 5.08  | 3.5  | 5.7  | 503480-0840      | 8                 |
| 3.5                              | 4.08  | 2.5  | 4.7  | 503480-0640      | 6                 |
| 3.0                              | 3.58  | 2.0  | 4.2  | 503480-0540      | 5                 |
| 2.5                              | 3.08  | 1.5  | 3.7  | 503480-0440      | 4                 |
| D                                | C     | B    | A    | EMBOSSED PACKAGE | 極数                |
|                                  |       |      |      | オーダー番号           | ORDER NO. CIRCUIT |
| CONNECTOR SERIES No. 503480-xx49 |       |      |      |                  |                   |

|   |                               |                                       |  |                            |            |   |            |   |  |                        |  |  |
|---|-------------------------------|---------------------------------------|--|----------------------------|------------|---|------------|---|--|------------------------|--|--|
| REVISED<br>EC NO: KOR2015-0076<br>DRWN:YRK1M 2014/12/17<br>CHKD:KSK1M 2014/12/17<br>APPR:YSK1M02 2015/03/09 | QUALITY SYMBOLS<br>▽=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |            | SCALE<br>10:1   |            | DESIGN UNITS<br>METRIC  |  | THIRD ANGLE PROJECTION |  |  |
|   |                               |                                       |  | mm                         | INCH       | DRAWN BY  | DATE       | TITLE   |  |                        |  |  |
|   |                               | 4 PLACES ± --- ± ---                  |  |                            |            | YRK1M   | 2014/06/11 | 0.5 FPC CONN. E/O<br>BACKFLIP H=1.0MM<br>ASSEMBLY<br><b>molex</b> |  |                        |  |  |
|   |                               | 3 PLACES ± 0.3 ± ---                  |  |                            |            | CHECKED BY  | DATE       |   |  |                        |  |  |
| 2 PLACES ± 0.25 ± ---   |                               |                                       |  | KSK1M                      | 2014/06/12 | DOCUMENT NO.<br>SD-503480-003   |            |   |  |                        |  |  |
| 1 PLACE ± 0.2 ± ---   |                               |                                       |  | APPROVED BY                | DATE       |   |            |   |  |                        |  |  |
| ANGULAR ± 1°  |                               |                                       |  | YSK1M02                    | 2014/07/15 | SHEET NO.<br>1 OF 2   |            |   |  |                        |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                               |                                       |  | MATERIAL NO.               | DATE       |   |            |   |  |                        |  |  |
|   |                               |                                       |  | SEE CHART                  |            | 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：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
- ネイル・・・材質：焼青銅  
NAIL MATERIAL: PHOSPHOR BRONZE  
テール部：銅メッキ (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。  
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.

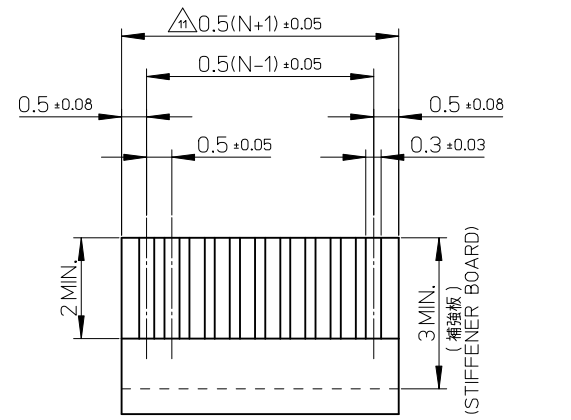


適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION

N:極数  
N:CIRCUITS

(仕上がり厚さ:  $0.3 \pm 0.05$ ) : 30極以下に適用  
(THICKNESS :  $0.3 \pm 0.05$ ) : 30 OR LESS CIRCUITS

(仕上がり厚さ:  $0.3 \pm 0.03$ ) : 31極以上に適用  
(THICKNESS :  $0.3 \pm 0.03$ ) : 31 OR OVER CIRCUITS

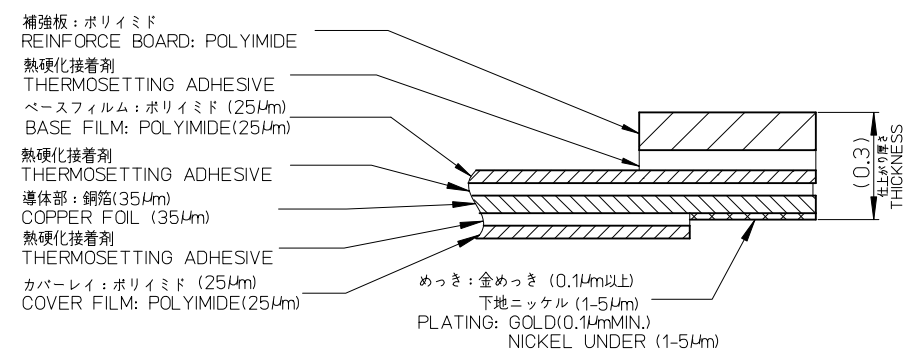


適合FFC推奨寸法  
APPLICABLE FFC  
RECOMMENDED DIMENSION

N:極数  
N:CIRCUITS

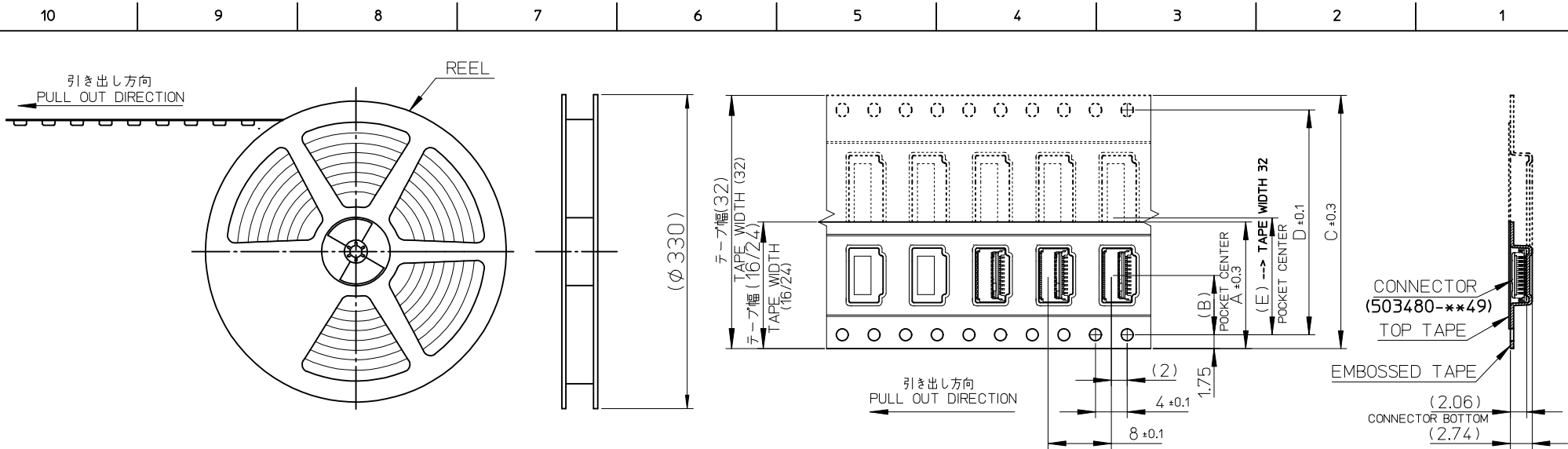
(仕上がり厚さ:  $0.3 \pm 0.05$ ) : 30極以下に適用  
(THICKNESS :  $0.3 \pm 0.05$ ) : 30 OR LESS CIRCUITS

(仕上がり厚さ:  $0.3 \pm 0.03$ ) : 31極以上に適用  
(THICKNESS :  $0.3 \pm 0.03$ ) : 31 OR OVER CIRCUITS



FPC構成推奨仕様

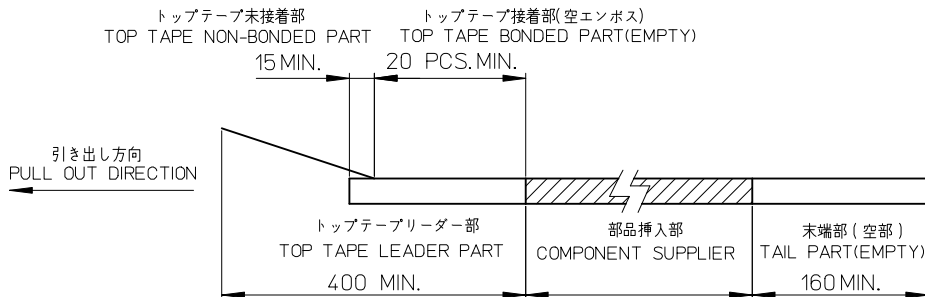
| REVISED   |            | QUALITY SYMBOLS |        | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                 | DIMENSION STYLE |          | SCALE         | DESIGN UNITS | THIRD ANGLE PROJECTION                            |  |
|---|------------|-----------------|--------|--|-----------------|-----------------|----------|---------------|--------------|---|--|
| EC NO.  | DATE       | DRWN.           | CHKD.  | APPR.  | mm              | INCH            | MM ONLY  | 10:1          | METRIC       | THIRD ANGLE PROJECTION                            |  |
| KOR2015-0076  | 2014/12/17 | YRK/IM          | KSK/IM | YSK/IM02   | 4 PLACES ± ---  | ± ---           | YRK/IM   | 2014/06/11    |              | 0.5 FPC CONN. E/O<br>BACKFLIP H=1.0MM<br>ASSEMBLY |  |
|   |            |                 |        |  | 3 PLACES ± 0.3  | ± ---           |          |               |              |   |  |
|   |            |                 |        |  | 2 PLACES ± 0.25 | ± ---           | KSK/IM   | 2014/06/12    |              |   |  |
|   |            |                 |        |  | 1 PLACE ± 0.2   | ± ---           |          |               |              |   |  |
|   |            |                 |        |  | ANGULAR ± 1°    |                 | YSK/IM02 | 2014/07/15    |              |   |  |
|   |            |                 |        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                 | SEE SHEET1      |          | DOCUMENT NO.  |              | SHEET NO.   |  |
|   |            |                 |        |  |                 | A3              |          | SD-503480-003 |              | 2 OF 2  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |                 |        |  |                 |                 |          |               |              |   |  |



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

NOTES

- 製品(503480-\*\*49)の詳細寸法については、SD-503480-003をご参照下さい。  
IN THE PACKAGE, PART NO. 503480-\*\*49 DETAILED DIMENSIONS.  
REFER TO SD-503480-003.
- 梱包数量 : 3000個/リール  
NUMBER OF CONNECTORS : 3000PCS/REEL
- リードテープの長さ  
LEAD TAPE LENGTH



- 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>

- カバーテープの剝離強度については、IEC60286-3に準拠  
COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3.

|      |      |    |      |    |                    |                     |               |
|------|------|----|------|----|--------------------|---------------------|---------------|
| 14.2 | 28.4 | 32 |      |    | 32                 | 503480-3240         | 32            |
|      |      |    | -    | -  |                    | 503480-2640         | 26            |
|      |      |    |      |    |                    | 503480-2240         | 22            |
|      |      |    |      |    |                    | 503480-2040         | 20            |
|      |      |    | 11.5 | 24 | 24                 | 503480-1840         | 18            |
|      |      |    |      |    |                    | 503480-1740         | 17            |
|      |      |    |      |    |                    | 503480-1640         | 16            |
|      |      |    |      |    |                    | 503480-1440         | 14            |
|      |      |    |      |    |                    | 503480-1240         | 12            |
|      |      |    |      |    |                    | 503480-1040         | 10            |
|      |      |    | -    | -  | 7.5                | 16                  | 16            |
|      |      |    |      |    |                    | 503480-0840         | 8             |
|      |      |    |      |    |                    | 503480-0640         | 6             |
|      |      |    |      |    |                    | 503480-0540         | 5             |
|      |      |    |      |    |                    | 503480-0440         | 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 |

| <b>REVISED</b><br>EC NO: KOR2015-0076<br>DRWN:YRKIM 2014/12/17<br>CHKD:KSKIM 2014/12/17<br>APPR:YSKIM02 2015/03/09<br>B | QUALITY SYMBOLS<br>▼=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)  |       | DIMENSION STYLE<br><b>MM ONLY</b> |    | SCALE<br><b>2:1</b> | DESIGN UNITS<br><b>METRIC</b> |                               | THIRD ANGLE PROJECTION |                                  |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |
|---|-------------------------------|--|-------|-----------------------------------|----|---------------------|-------------------------------|-------------------------------|------------------------|----------------------------------|-------|---------|----------|--------|---------|---------|-------|---------|-------------------|--|--------------------|--|---|--|--|--|
|   |                               | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± 0.3</td> <td>± 0.012</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.3</td> <td>± 0.012</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.2</td> <td>± 0.008</td> </tr> </table> |       |                                   | mm | INCH                | 4 PLACES                      | ± 0.3                         | ± 0.012                | 3 PLACES                         | ± 0.3 | ± 0.012 | 2 PLACES | ± 0.25 | ± 0.010 | 1 PLACE | ± 0.2 | ± 0.008 | DRAWN BY<br>YRKIM |  | DATE<br>2014/06/11 |  | TITLE<br><b>0.5 FPC CONN. E/O EMBOSSED TAPE PACKAGE</b> |  |  |  |
|   |                               |  | mm    | INCH                              |    |                     |                               |                               |                        |                                  |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |
|   |                               | 4 PLACES   | ± 0.3 | ± 0.012                           |    |                     |                               |                               |                        |                                  |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |
| 3 PLACES  | ± 0.3                         | ± 0.012  |       |                                   |    |                     |                               |                               |                        |                                  |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |
| 2 PLACES  | ± 0.25                        | ± 0.010  |       |                                   |    |                     |                               |                               |                        |                                  |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |
| 1 PLACE   | ± 0.2                         | ± 0.008  |       |                                   |    |                     |                               |                               |                        |                                  |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |
| CHECKED BY<br>KSKIM   |                               | DATE<br>2014/06/12   |       | APPROVED BY<br>YSKIM02            |    |                     |                               | DATE<br>2014/07/15            |                        | MATERIAL NO.<br><b>SEE CAHRT</b> |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                               | ANGULAR ± 3 °  |       | MATERIAL NO.<br><b>SEE CAHRT</b>  |    | SCALE<br><b>2:1</b> |                               | DESIGN UNITS<br><b>METRIC</b> |                        | THIRD ANGLE PROJECTION           |       |         |          |        |         |         |       |         |                   |  |                    |  |   |  |  |  |