

## Excellent Integrated System Limited

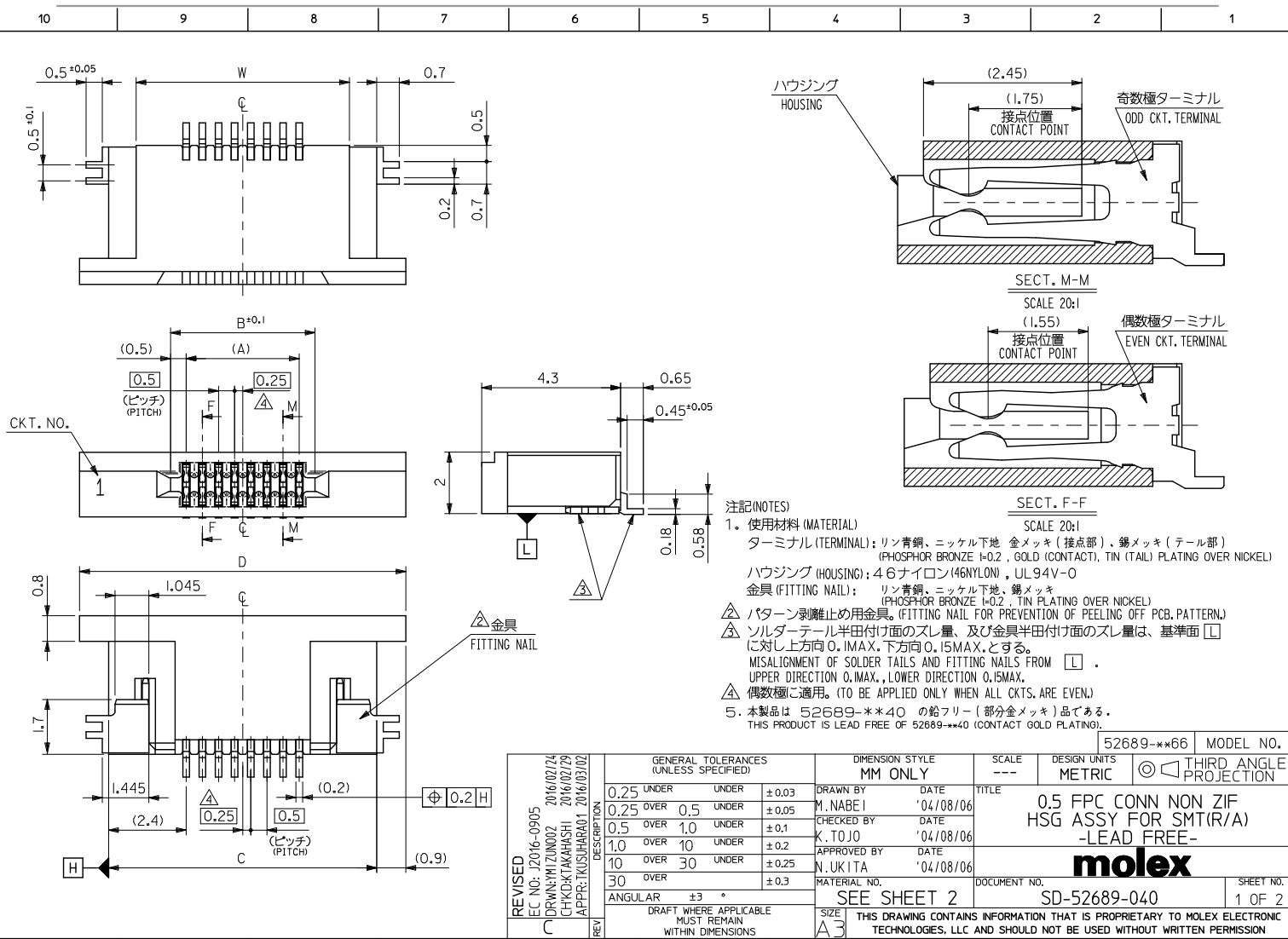
Stocking Distributor

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

[Molex Connector Corporation](#)  
[0526893075](#)

For any questions, you can email us directly:

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

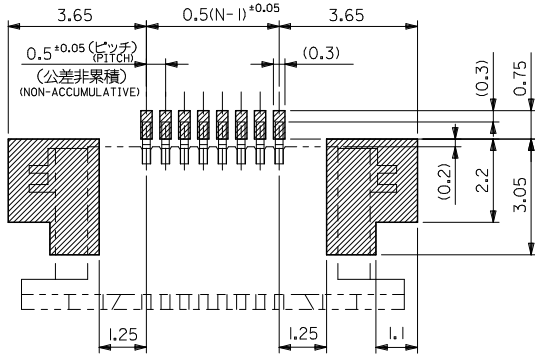


注記(NOTES)

1. 使用材料 (MATERIAL)  
 ターミナル (TERMINAL): リン青銅、ニッケル下地 金メッキ (接点部)、錫メッキ (テール部)  
 (PHOSPHOR BRONZE t=0.2, GOLD (CONTACT), TIN (TAIL) PLATING OVER NICKEL)  
 ハウジング (HOUSING): 46ナイロン(46NYLON), UL94V-0  
 金具 (FITTING NAIL): リン青銅、ニッケル下地、錫メッキ  
 (PHOSPHOR BRONZE t=0.2, TIN PLATING OVER NICKEL)  
 △ パターン剥離止め用金具。(FITTING NAIL FOR PREVENTION OF PEELING OFF PCB, PATTERN)  
 △ ソルダータール半田付け面のスレ量、及び金具半田付け面のスレ量は、基準面 L に対し上方向 0.1MAX、下方向 0.15MAX、とする。  
 MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM L .  
 UPPER DIRECTION 0.1MAX, LOWER DIRECTION 0.15MAX.  
 △ 偶数極に適用。(TO BE APPLIED ONLY WHEN ALL CKTS. ARE EVEN.)  
 5. 本製品は 52689-\*\*\*40 の鉛フリー (部分金メッキ) 品である。  
 THIS PRODUCT IS LEAD FREE OF 52689-\*\*\*40 (CONTACT GOLD PLATING).

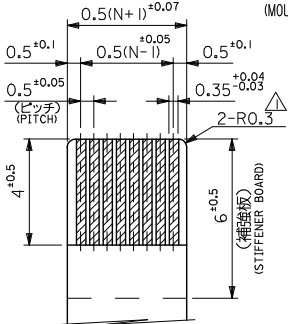
|   |  |                   |  |                   |  |            |  |             |  |             |  |  |  |
|---|--|-------------------|--|-------------------|--|------------|--|-------------|--|-------------|--|--|--|
| REVISED   |  | EC NO. J2016-0905 |  | 2016/02/24        |  | 2016/02/29 |  | 2016/03/02  |  | 52689-***66 |  | MODEL NO.  |  |
| DRAWN: MIZUNO02   |  | CHIKAKIYAKASHI    |  | APPR: IKUSIHARA01 |  | DRAWN BY   |  | CHECKED BY  |  | APPROVED BY |  | DATE   |  |
| 0.25 UNDER  |  | 0.25 OVER         |  | 0.5 UNDER         |  | 0.5 OVER   |  | 1.0 UNDER   |  | 1.0 OVER    |  | DATE   |  |
| ±0.03   |  | ±0.05             |  | ±0.1              |  | ±0.2       |  | ±0.25       |  | ±0.3        |  | DATE   |  |
| ANGULAR   |  | ±3°               |  | DRAWN BY          |  | CHECKED BY |  | APPROVED BY |  | DATE        |  | TITLE  |  |
| DRAFT WHERE APPLICABLE  |  | MUST REMAIN       |  | WITHIN DIMENSIONS |  | M. NABEI   |  | K. TOJO     |  | N. UKITA    |  | 0.5 FPC CONN NON ZIF<br>HSG ASSY FOR SMT(R/A)<br>-LEAD FREE- |  |
| SEE SHEET 2   |  | SIZE              |  | A3                |  | DATE       |  | DATE        |  | DATE        |  | 04/08/06   |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | DOCUMENT NO.      |  | SD-52689-040      |  | SHEET NO.  |  | 1 OF 2      |  | 1           |  | 2  |  |

10 9 8 7 6 5 4 3 2 1



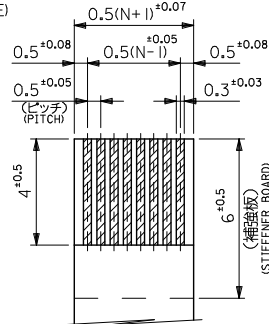
参考基板レイアウト  
(マウント面)

REFERENCE P.C. BOARD  
PATTERN DIMENSION  
(MOUNTING SIDE)



適合 FFC 推奨寸法  
APPLICABLE FFC  
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)  
(THICKNESS: 0.3 ± 0.03)



適合 FPC 推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)  
(THICKNESS: 0.3 ± 0.03)

注記 NOTES

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

FPCについて:

打抜き方向は導体側から補強板側を推奨致します。  
補強フィルム材質はポリイミドを推奨致します。  
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.  
RECOMMENDED MATERIAL:  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT

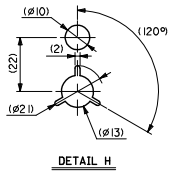
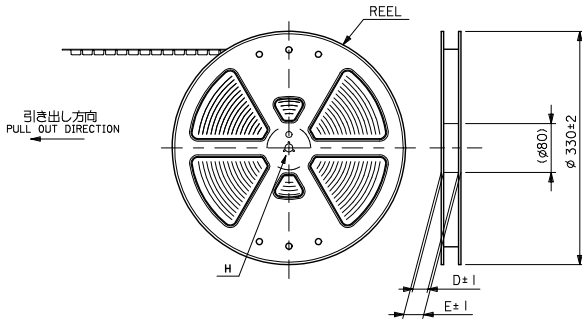
|      |      |      |      |      |            |            |    |
|------|------|------|------|------|------------|------------|----|
| 17.6 | 21.1 | 19.3 | 15.5 | 14.5 | 52689-3075 | 52689-3066 | 30 |
| 14.6 | 18.1 | 16.3 | 12.5 | 11.5 | 52689-2475 | 52689-2466 | 24 |
| 13.1 | 16.6 | 14.8 | 11.0 | 10.0 | 52689-2175 | 52689-2166 | 21 |

|             |
|-------------|
| 52689-***66 |
| MODEL NO.   |
| W           |
| D           |
| C           |
| B           |
| A           |

|   |  |  |                            |                       |   |   |                           |  |
|---|--|--|----------------------------|-----------------------|---|---|---------------------------|--|
| REVISED<br>EC NO. J2016-0905<br>DRAWN: YI ZHUN02 2016/02/24<br>CHKD: KAKASHI 2016/02/29<br>APPR: IKUSIHARA01 2016/03/02 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |                       | SCALE<br>---  | DESIGN UNITS<br>METRIC  | THIRD ANGLE<br>PROJECTION |  |
|   | 0.25 UNDER                               | UNDER  | ± 0.03                     | DRAWN BY<br>MNABEI    | DATE<br>'04/08/06   | TITLE<br>0.5 FPC CONN NON ZIF<br>HSG ASSY FOR SMT(R/A)<br>-LEAD FREE- |                           |  |
|   | 0.25 OVER                                | 0.5 UNDER  | ± 0.05                     | CHECKED BY<br>KTOJO   | DATE<br>'04/08/06   |   |                           |  |
|   | 0.5 OVER                                 | 1.0 UNDER  | ± 0.1                      | APPROVED BY<br>NUKITA | DATE<br>'04/08/06   |   |                           |  |
| 1.0 OVER  | 10 UNDER                                 | ± 0.2  | MATERIAL NO.               |                       | DOCUMENT NO.<br>SD-52689-040  | SHEET NO.<br>2 OF 2   |                           |  |
| 30 OVER   | 30 UNDER                                 | ± 0.25   | SEE TABLE                  |                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                           |  |
| ANGULAR   | ± 3 °                                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                            |                       |   |   |                           |  |

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5. 材料 キャリアテープ: ポリプロピレン (PP)  
トップテープ: PET, PE, PEF  
リール: ポリスチレン (PS)

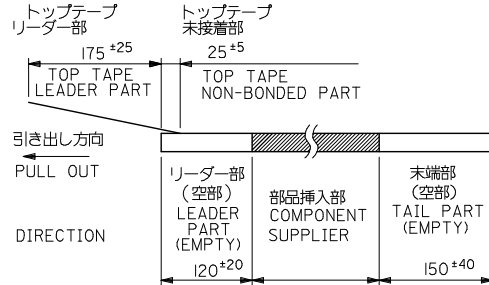
MATERIAL CARRIER TAPE: POLYPROPYLENE  
TOP TAPE: PET, PE, PEF  
REEL: POLYSTYRENE

6. 本製品は 52689-\*\*97 の鉛フリー (部分金メッキ) 品である。  
THIS PRODUCT IS LEAD FREE OF 52689-\*\*97 (CONTACT GOLD PLATING).

7. 本製品は乾燥剤入り、ハイバリア梱包仕様である。  
THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.

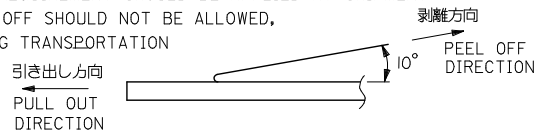
注記 NOTES

- 製品詳細寸法については図面 SD-52689-040 を参照下さい。  
RE DETAILED DIMENSION, SEE SD-52689-040.
- 梱包数量: 1000個/リール  
NUMBER OF CONNECTORS: 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- トップテープの剥離強度: (剥離方向は下図参照)  
0.1~1.3N {10~130gf} 尚、本規格値は、出荷時に適用。  
(但し、輸送時に剥離が発生しない事。)

PEELING OFF FORCE OF TOP TAPE  
0.1~1.3N {10~130gf} (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT  
PEEL OFF SHOULD NOT BE ALLOWED,  
DURING TRANSPORTATION



|   |  |           |  |                       |   |  |                     |
|---|--|-----------|--|-----------------------|---|--|---------------------|
| REVISED<br>EC NO: J2016-0905<br>DRAWN: YI ZUN002 2016/02/24<br>CHKD: KAKASHI 2016/02/29<br>APPR: IKUSIHARA01 2016/03/02 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           | DIMENSION STYLE<br>MM ONLY                                 |                       | SCALE<br>---  | 52689-**75<br>DESIGN UNITS<br>METRIC                           | MODEL NO.           |
|   | 0.25 UNDER                               | UNDER     | ±0.03  | DRAWN BY<br>MNABEI    | DATE<br>'04/08/06   | TITLE<br>EMBOSSD TAPE PACKAGE<br>FOR 52689-**66<br>-LEAD FREE- |                     |
|   | 0.25 OVER                                | 0.5 UNDER | ±0.05  | CHECKED BY<br>KTOJO   | DATE<br>'04/08/06   | MATERIAL NO.   |                     |
|   | 0.5 OVER                                 | 1.0 UNDER | ±0.1   | APPROVED BY<br>NUKITA | DATE<br>'04/08/06   | DOCUMENT NO.<br>SD-52689-041                                   | SHEET NO.<br>1 OF 3 |
| 1.0 OVER  | 10 UNDER                                 | ±---      | SEE TABLE  |                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                     |
| 10 OVER   | 30 UNDER                                 | ±---      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                       |   |  |                     |
| 30 OVER   |  | ±---      | SIZE<br>A3   |                       |   |  |                     |
| ANGULAR   | ±---                                     | °         |  |                       |   |  |                     |

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F

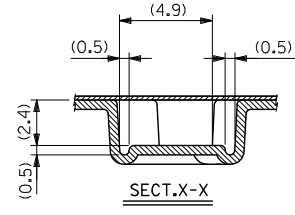
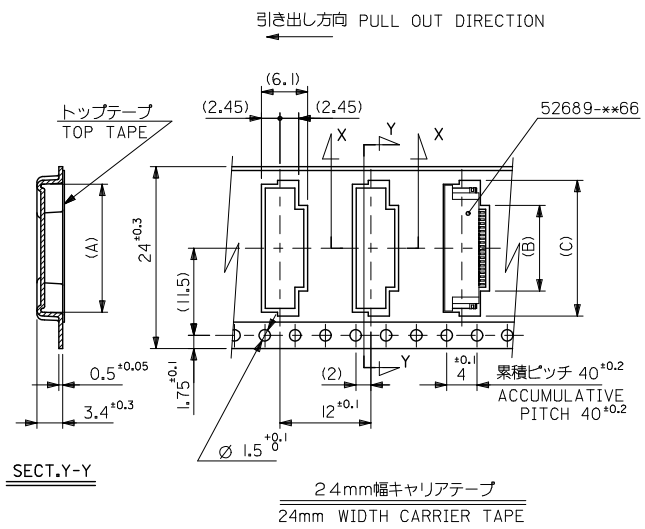
E

D

C

B

A

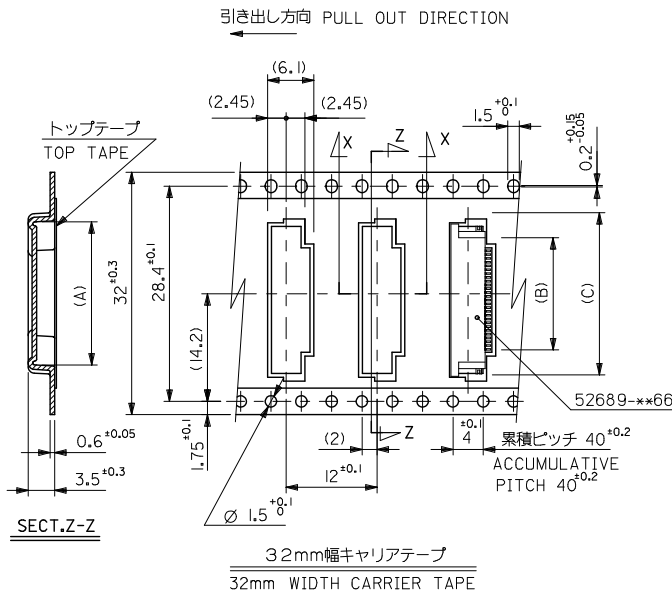


|                                |      |      |      |      |      |              |         |
|--------------------------------|------|------|------|------|------|--------------|---------|
| 24                             | 29.4 | 25.4 | 17.9 | 11.3 | 16.9 | 52689-2175   | 21      |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | (C)  | (B)  | (A)  | MATERIAL NO. | CIRCUIT |

|   |                                       |           |                 |   |              |                       |                        |
|---|---------------------------------------|-----------|-----------------|---|--------------|-----------------------|------------------------|
| REVISED<br>IEC NO. J2016-0905<br>DRAWN: YI ZUNO02 2016/02/24<br>CHIKDKAKAHASHI 2016/02/29<br>APPR: IKUSIHARA01 2016/03/02 | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE |   | SCALE        | DESIGN UNITS          | THIRD ANGLE PROJECTION |
|   | 0.25 UNDER                            | UNDER     | ±0.03           | MM ONLY   | ---          | METRIC                | ☉                      |
|   | 0.25 OVER                             | 0.5 UNDER | ±0.05           | DRAWN BY  | DATE         | TITLE                 |                        |
|   | 0.5 OVER                              | 1.0 UNDER | ±0.1            | MNABEI  | '04/08/06    | EMBOSSED TAPE PACKAGE |                        |
|   | 1.0 OVER                              | 10 UNDER  | ±---            | CHECKED BY  | DATE         | FOR 52689-**66        |                        |
| 10 OVER   | 30 UNDER                              | ±---      | KTOJO           | '04/08/06   | -LEAD FREE-  |                       |                        |
| 30 OVER   |                                       | ±---      | APPROVED BY     | DATE  | <b>molex</b> |                       |                        |
| ANGULAR   | ±---                                  | °         | NUKITA          | '04/08/06   | DOCUMENT NO. |                       |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                                       |           | SEE TABLE       | SD-52689-041  |              | SHEET NO.             | 2 OF 3                 |
|   |                                       |           | SIZE            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                       |                        |
|   |                                       |           | A3              |   |              |                       |                        |

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10 9 8 7 6 5 4 3 2 1



|                                |      |      |      |      |      |              |         |
|--------------------------------|------|------|------|------|------|--------------|---------|
| 32                             | 37.4 | 33.4 | 22.4 | 15.8 | 21.4 | 52689-3075   | 30      |
| キャリアテープ幅<br>CARRIER TAPE WIDTH | E    | D    | (C)  | (B)  | (A)  | 52689-2475   | 24      |
|                                |      |      |      |      |      | MATERIAL NO. | CIRCUIT |

|   |  |           |                            |  |              |  |                           |
|---|--|-----------|----------------------------|--|--------------|--|---------------------------|
| REVISED<br>EC NO. J2016-0905<br>DRAWN: YI ZUN002 2016/02/24<br>CHKD: KAKASHI 2016/02/29<br>APPR: IKUSIHARA01 2016/03/02 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>--- | DESIGN UNITS<br>METRIC                                 | THIRD ANGLE<br>PROJECTION |
|   | 0.25 UNDER                               | UNDER     | ±0.03                      | DRAWN BY   | DATE         | TITLE  |                           |
|   | 0.25 OVER                                | 0.5 UNDER | ±0.05                      | MNABEI   | '04/08/06    | EMBOSSED TAPE PACKAGE<br>FOR 52689-**66<br>-LEAD FREE- |                           |
|   | 0.5 OVER                                 | 1.0 UNDER | ±0.1                       | CHECKED BY   | DATE         | molex  |                           |
| 1.0 OVER  | 10 UNDER                                 | ±---      | KTOJO                      | '04/08/06  | DOCUMENT NO. |  |                           |
| 10 OVER   | 30 UNDER                                 | ±---      | APPROVED BY                | DATE   | SD-52689-041 |  |                           |
| 30 OVER   |  | ±---      | NUKITA                     | '04/08/06  | SHEET NO.    |  |                           |
| ANGULAR   | ±---                                     | °         | MATERIAL NO.               |  | 3 OF 3       |  |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  |  |           | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC<br>TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |  |                           |

9 8 7 6 5 4 3 2 1