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**Part Number:** 0780610011

**Status:** Active

**Description:** 1.00mm (.039") Pitch Fully Buffered DIMM Socket, Vertical, Through Hole, 0.76µm (30µ") Gold(Au) Selective Plating, 240 Circuits, with Beveled Metal Pins, with Off-White Latches, 2.67mm (.105") Solder Tail Length, Lead-free

**Documents:**

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-78061-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

Agency Certification

|     |          |
|-----|----------|
| CSA | LR 19980 |
| UL  | E29179   |

General

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| Product Family | Memory Module Sockets                                                   |
| Series         | 78061                                                                   |
| Comments       | <LI>Latches in Off-White Color <LI>Solder Tail Length at 2.67mm (.105") |
| Component Type | Memory Module                                                           |
| JEDEC Outline  | MO-256                                                                  |
| Product Name   | FB DIMM                                                                 |

Physical

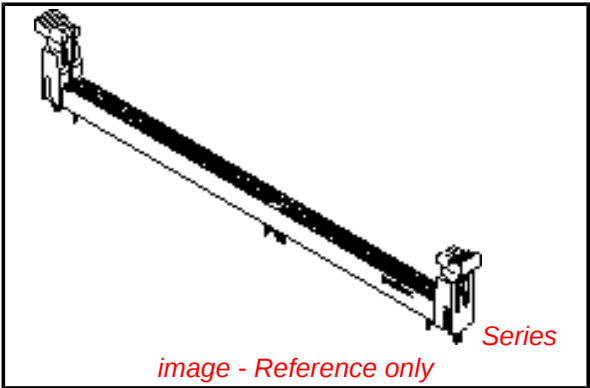
|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 240                            |
| Color - Resin                  | Black, Natural                 |
| Durability (mating cycles max) | 25                             |
| Entry Angle                    | Vertical (Top Entry)           |
| Flammability                   | 94V-0                          |
| Keying to Mating Part          | Yes                            |
| Material - Metal               | Brass, Phosphor Bronze         |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| PC Tail Length (in)            | 0.105 In                       |
| PC Tail Length (mm)            | 2.67 mm                        |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.60 mm                        |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface (in)  | 0.039 In                       |
| Pitch - Mating Interface (mm)  | 1.00 mm                        |
| Plating min: Mating (µin)      | 15                             |
| Plating min: Mating (µm)       | 0.38                           |
| Temperature Range - Operating  | -55°C to +85°C                 |
| Termination Interface: Style   | Through Hole                   |

Electrical

|                               |              |
|-------------------------------|--------------|
| Current - Maximum per Contact | 1A           |
| Voltage - Maximum             | 30V          |
| Voltage Key                   | 1.8V, Center |

Solder Process Data

|                                                |                              |
|------------------------------------------------|------------------------------|
| Duration at Max. Process Temperature (seconds) | 5                            |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                            |



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
78061Series

**Mates With**  
JEDEC MO-256 modules

Process Temperature max. C

265

**Material Info**

**Reference - Drawing Numbers**

Product Specification

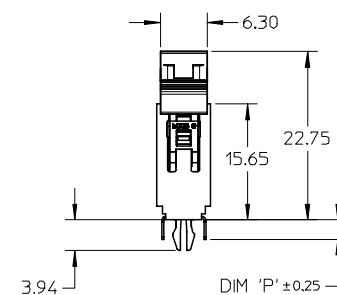
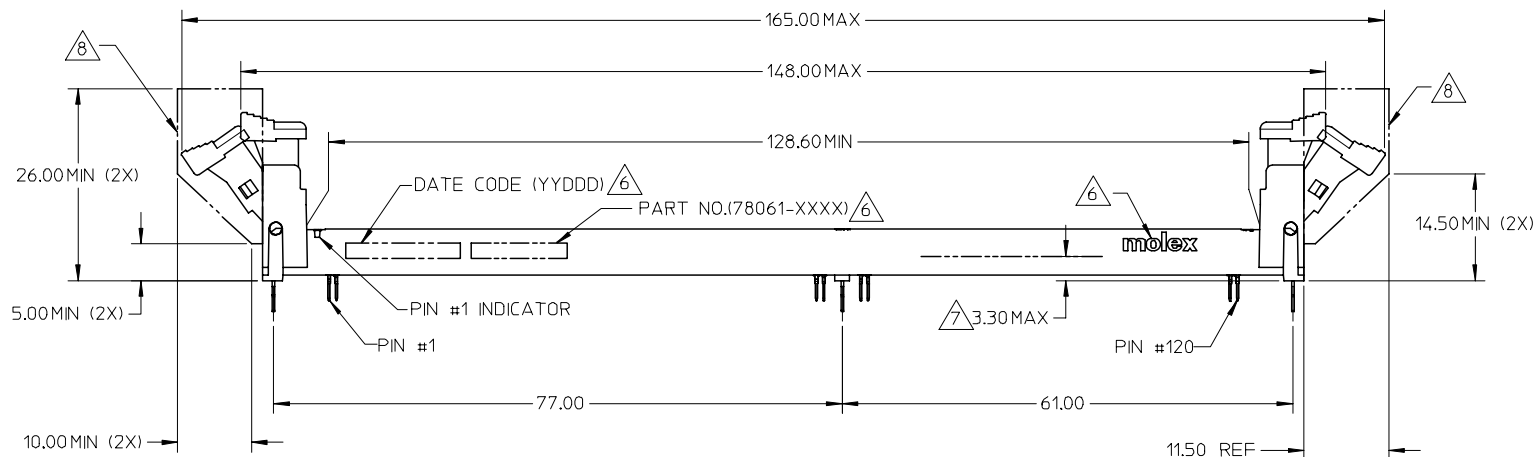
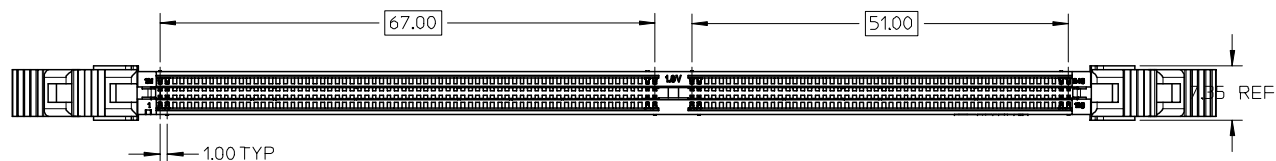
PS-78061-001, RPS-78061-001

Sales Drawing

SD-78061-001

This document was generated on 04/13/2010

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# NOTES :

- 1.MATERIAL : HOUSING - HIGH TEMP. NYLON, GLASS FILLED, UL 94V-0  
COLOUR : BLACK.  
LATCH - HIGH TEMP NYLON, GLASS FILLED, UL 94V-0  
COLOUR : NATURAL (OFF WHITE) OR BLACK.  
TERMINAL : COPPER ALLOY.
- 2.PLATING - SEE TABLE ON SHEET 4.
- 3.CARD SLOT ACCEPTS 1.27±0.10MM MODULE THICKNESS  
(MEASURED FROM P.C. PADS).
- 4.REFER TO PRODUCT SPECIFICATION, PS-78061-001 FOR PERFORMANCE SPECIFICATIONS.
- 5.PRODUCT SHALL BE PACKED IN TRAY. PLS REFER TO SHEET 5.
6. MOLEX LOGO, DATE & PART NO. INDICATED ON HOUSING.
7. MODULE SEATING PLANE FROM TOP OF PCB.
8. KEEP OUT ZONE RESERVED FOR LATCH (PER JEDEC SO-003,REV.A).
9. MODULE CARD USED IN PRODUCT TESTING ARE CHAMFERED.
10. KEEP OUT AREA IS THE AREA WHERE THE CONNECTOR  
(INCLUDING LATCH) IS MOUNTED ON THE PCB  
(PER JEDEC SO-003,REV.A).

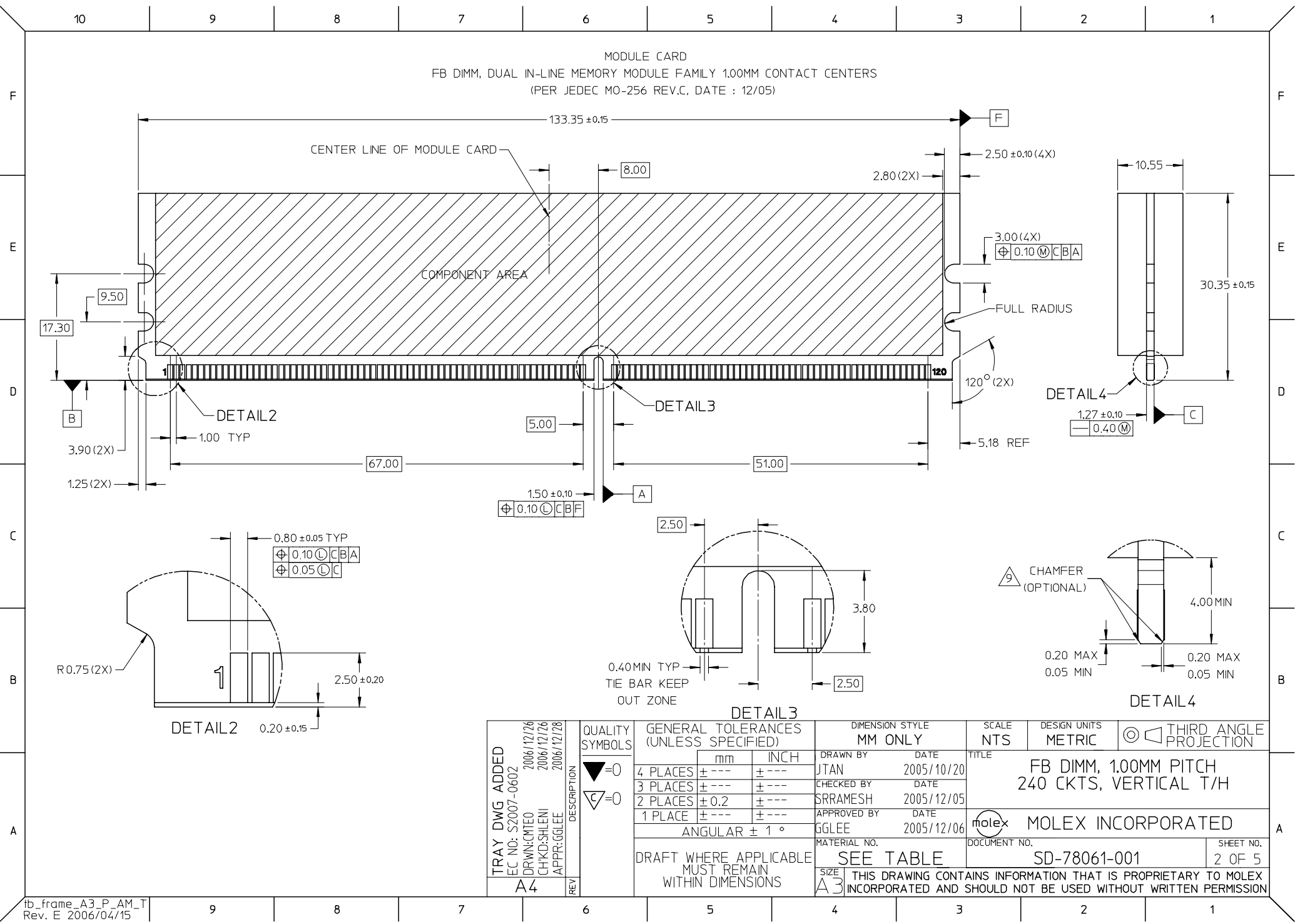
|                   |            |
|-------------------|------------|
| TRAY DWG ADDED    | 2006/12/26 |
| EC NO: S2007-0602 | 2006/12/26 |
| DRWN:CMTEO        | 2006/12/26 |
| CHKD:SHLENI       | 2006/12/26 |
| APPR:GGLLEE       | 2006/12/28 |
| REV               |            |
| A4                |            |

| QUALITY SYMBOLS |
|-----------------|
| ▽=0             |
| ▽=0             |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |       |
|------------------------------------------------------------|-------|-------|
|                                                            | mm    | INCH  |
| 4 PLACES                                                   | ± --- | ± --- |
| 3 PLACES                                                   | ± --- | ± --- |
| 2 PLACES                                                   | ± 0.2 | ± --- |
| 1 PLACE                                                    | ± --- | ± --- |
| ANGULAR ± 1 °                                              |       |       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |       |

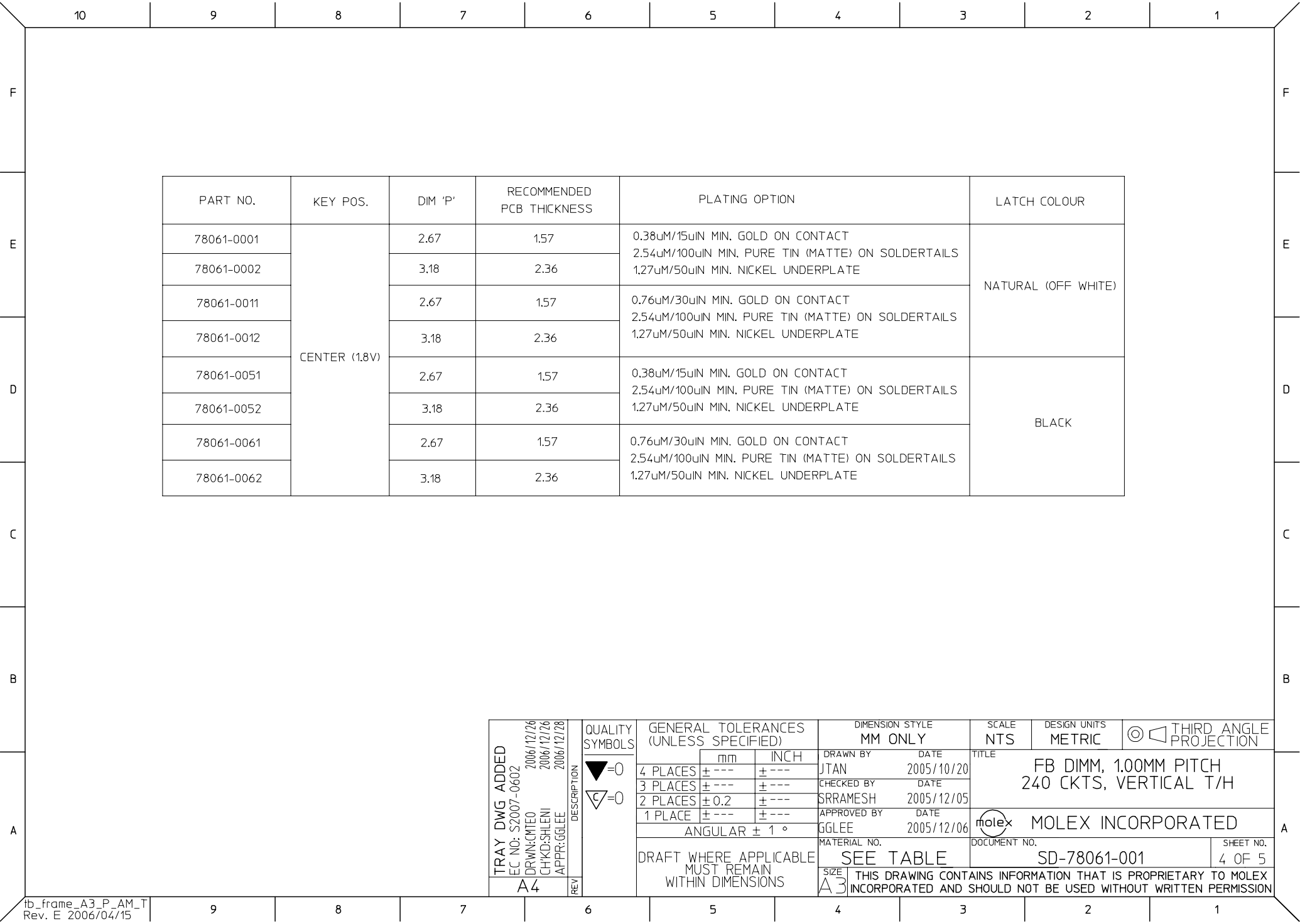
|                 |                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| DIMENSION STYLE |                                                                                                                               |
| MM ONLY         |                                                                                                                               |
| DRAWN BY        | DATE                                                                                                                          |
| JTAN            | 2005/10/20                                                                                                                    |
| CHECKED BY      | DATE                                                                                                                          |
| SRRAMESH        | 2005/12/05                                                                                                                    |
| APPROVED BY     | DATE                                                                                                                          |
| GGLLEE          | 2005/12/06                                                                                                                    |
| MATERIAL NO.    |                                                                                                                               |
| SEE TABLE       |                                                                                                                               |
| SIZE            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |
| A3              |                                                                                                                               |

| SCALE                                                 | DESIGN UNITS     | THIRD ANGLE PROJECTION |
|-------------------------------------------------------|------------------|------------------------|
| NTS                                                   | METRIC           |                        |
| TITLE FB DIMM, 1.00MM PITCH<br>240 CKTS, VERTICAL T/H |                  |                        |
| MOLEX INCORPORATED                                    |                  |                        |
| DOCUMENT NO. SD-78061-001                             | SHEET NO. 1 OF 5 |                        |



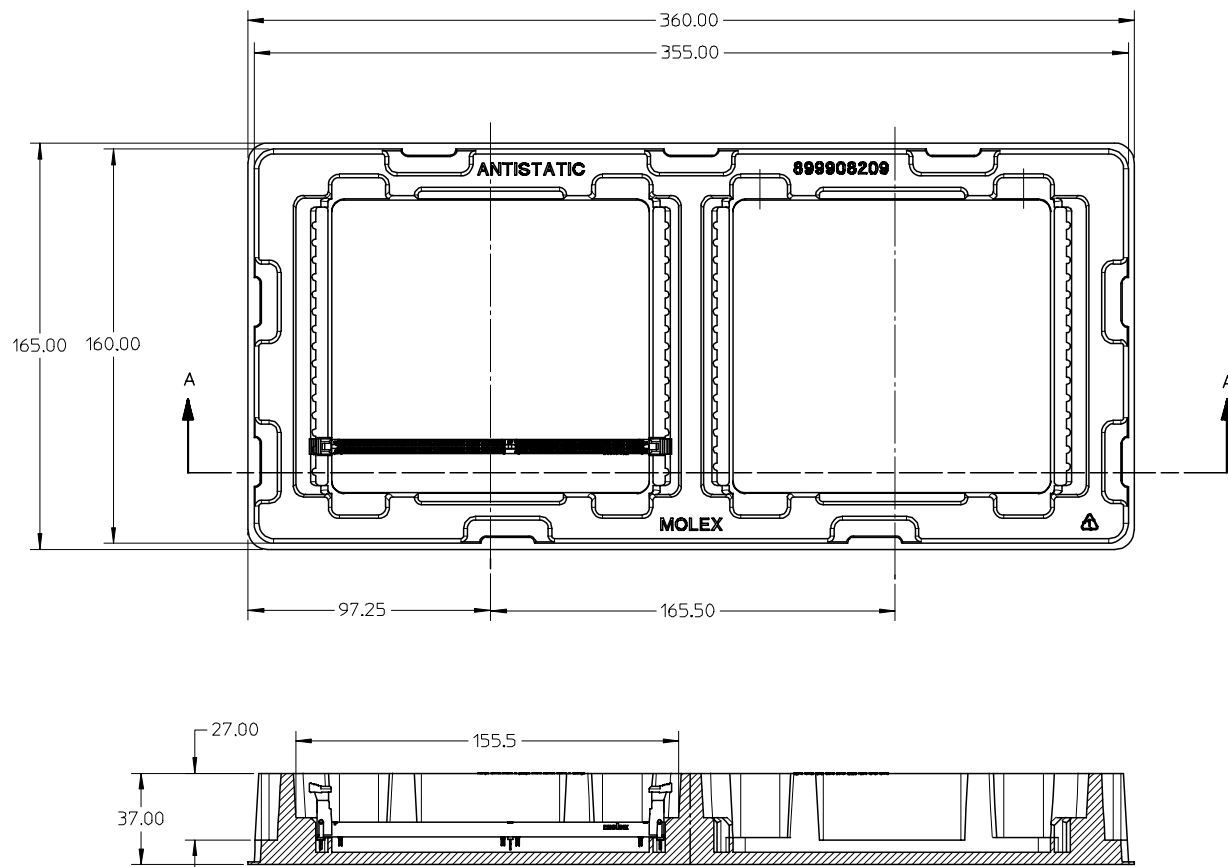
|                                                                                                                           |                    |                                   |                                                            |       |                            |                           |                    |                                                                                                                               |                           |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------|------------------------------------------------------------|-------|----------------------------|---------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|--|--|
| TRAY DWG ADDED<br>EC NO: S2007-0602<br>2006/12/26<br>DRWN:CMTEO<br>CHKD:SHLENI<br>2006/12/26<br>APPR:GGLLEE<br>2006/12/28 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><br>▽=0<br>◇=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                           | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                                                                        | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                                                           |                    |                                   |                                                            | mm    | INCH                       | DRAWN BY<br>JTAN          | DATE<br>2005/10/20 | FB DIMM, 1.00MM PITCH<br>240 CKTS, VERTICAL T/H                                                                               |                           |  |  |  |
|                                                                                                                           |                    |                                   | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY<br>SRRAMESH    | DATE<br>2005/12/05 |                                                                                                                               |                           |  |  |  |
|                                                                                                                           |                    |                                   | 3 PLACES                                                   | ± --- | ± ---                      | APPROVED BY<br>GGLLEE     | DATE<br>2005/12/06 | MOLEX INCORPORATED                                                                                                            |                           |  |  |  |
|                                                                                                                           |                    |                                   | 2 PLACES                                                   | ± 0.2 | ± ---                      | MATERIAL NO.<br>SEE TABLE |                    |                                                                                                                               |                           |  |  |  |
|                                                                                                                           |                    |                                   | 1 PLACE                                                    | ± --- | ± ---                      | SIZE<br>A3                |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |  |  |  |
|                                                                                                                           |                    |                                   | ANGULAR ± 1 °                                              |       |                            |                           |                    |                                                                                                                               |                           |  |  |  |
|                                                                                                                           |                    |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |                            |                           |                    |                                                                                                                               |                           |  |  |  |





| PART NO.   | KEY POS.      | DIM 'P' | RECOMMENDED PCB THICKNESS | PLATING OPTION                                                                                                                  | LATCH COLOUR        |
|------------|---------------|---------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 78061-0001 | CENTER (1.8V) | 2.67    | 1.57                      | 0.38uM/15uIN MIN. GOLD ON CONTACT<br>2.54uM/100uIN MIN. PURE TIN (MATTE) ON SOLDER TAILS<br>1.27uM/50uIN MIN. NICKEL UNDERPLATE | NATURAL (OFF WHITE) |
| 78061-0002 |               | 3.18    | 2.36                      |                                                                                                                                 |                     |
| 78061-0011 |               | 2.67    | 1.57                      |                                                                                                                                 |                     |
| 78061-0012 |               | 3.18    | 2.36                      | 0.76uM/30uIN MIN. GOLD ON CONTACT<br>2.54uM/100uIN MIN. PURE TIN (MATTE) ON SOLDER TAILS<br>1.27uM/50uIN MIN. NICKEL UNDERPLATE |                     |
| 78061-0051 |               | 2.67    | 1.57                      | 0.38uM/15uIN MIN. GOLD ON CONTACT<br>2.54uM/100uIN MIN. PURE TIN (MATTE) ON SOLDER TAILS<br>1.27uM/50uIN MIN. NICKEL UNDERPLATE | BLACK               |
| 78061-0052 |               | 3.18    | 2.36                      |                                                                                                                                 |                     |
| 78061-0061 |               | 2.67    | 1.57                      |                                                                                                                                 |                     |
| 78061-0062 |               | 3.18    | 2.36                      |                                                                                                                                 |                     |

|                                                                                                                       |             |                                                            |                                       |            |                            |                                                                                                                                  |              |                                                              |                           |  |  |
|-----------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|---------------------------------------|------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------|---------------------------|--|--|
| TRAY DWG ADDED<br>EC NO: S2007-0602<br>2006/12/26<br>DRWN:CMTEO<br>CHKD:SHLENI<br>APPR:GGLLEE<br>2006/12/28<br><br>A4 | DESCRIPTION | QUALITY SYMBOLS                                            | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>NTS | DESIGN UNITS<br>METRIC                                       | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                       |             | ▽=0<br><br>▽C=0                                            |                                       | mm         | INCH                       | DRAWN BY                                                                                                                         | DATE         | TITLE<br><br>FB DIMM, 1.00MM PITCH<br>240 CKTS, VERTICAL T/H |                           |  |  |
|                                                                                                                       |             |                                                            | 4 PLACES                              | ± ---      | ± ---                      | JTAN                                                                                                                             | 2005/10/20   |                                                              |                           |  |  |
|                                                                                                                       |             |                                                            | 3 PLACES                              | ± ---      | ± ---                      | CHECKED BY                                                                                                                       | DATE         | MOLEX INCORPORATED                                           |                           |  |  |
|                                                                                                                       |             |                                                            | 2 PLACES                              | ± 0.2      | ± ---                      | SRRAMESH                                                                                                                         | 2005/12/05   |                                                              |                           |  |  |
|                                                                                                                       |             |                                                            | 1 PLACE                               | ± ---      | ± ---                      | APPROVED BY                                                                                                                      | DATE         |                                                              |                           |  |  |
|                                                                                                                       |             | ANGULAR ± 1 °                                              |                                       | GGLLEE     | 2005/12/06                 | DOCUMENT NO.<br><br>SD-78061-001                                                                                                 |              | SHEET NO.<br>4 OF 5                                          |                           |  |  |
| REV                                                                                                                   |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | SIZE<br>A3 |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                              |                           |  |  |



NOTES:  
1. CAVITY QTY: 2 X 15 = 30 PCS

|                                                                                                                  |               |                                   |                                                                                                                               |                      |                            |                    |                                                                                                          |                                                          |                                                                                                              |                     |
|------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------|--------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------|
| TRAY DWG ADDED<br>EC NO: S2007-0602<br>DRWN:CMTEO 2006/12/26<br>CHKD:SHLENI 2006/12/26<br>APPR:GGLLEE 2006/12/28 | DESCRIPTION   | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |                      | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>NTS                                                                                             | DESIGN UNITS<br>METRIC                                   |  THIRD ANGLE PROJECTION |                     |
|                                                                                                                  |               |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                    | mm                   | INCH                       | DRAWN BY<br>JTAN   | DATE<br>2005/10/20                                                                                       | TITLE<br>FB DIMM, 1.00MM PITCH<br>240 CKTS, VERTICAL T/H |                                                                                                              |                     |
|                                                                                                                  |               |                                   |                                                                                                                               | 4 PLACES ± --- ± --- | CHECKED BY<br>SRRAMESH     | DATE<br>2005/12/05 |                                                                                                          |                                                          |                                                                                                              |                     |
|                                                                                                                  |               |                                   |                                                                                                                               | 3 PLACES ± --- ± --- | APPROVED BY<br>GGLLEE      | DATE<br>2005/12/06 |  MOLEX INCORPORATED |                                                          |                                                                                                              |                     |
|                                                                                                                  |               |                                   |                                                                                                                               | 2 PLACES ± 0.2 ± --- | MATERIAL NO.<br>SEE TABLE  |                    |                                                                                                          | DOCUMENT NO.<br>SD-78061-001                             |                                                                                                              | SHEET NO.<br>5 OF 5 |
| 1 PLACE ± --- ± ---                                                                                              | ANGULAR ± 1 ° |                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                            |                    |                                                                                                          |                                                          |                                                                                                              |                     |