

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

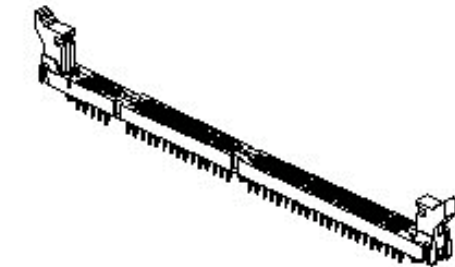
0712510021

Status:

Active

Description:

1.27mm (.050") Pitch DIMM Socket, Vertical, Multiple Keys, Plastic Peg, 168 Circuits, 3.3V Standard DRAM



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-71243-9999 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

General

|                |                                         |
|----------------|-----------------------------------------|
| Product Family | Memory Module Sockets                   |
| Series         | 71251                                   |
| Comments       | Function Key Center, Voltage Key Center |
| Component Type | Memory Module                           |
| JEDEC Outline  | MO-161                                  |
| Product Name   | DIMM                                    |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 168                            |
| Circuits (maximum)             | 168                            |
| Color - Resin                  | Black, Natural                 |
| Durability (mating cycles max) | 25                             |
| Entry Angle                    | Vertical (Top Entry)           |
| Flammability                   | 94V-0                          |
| Function Key                   | Center                         |
| Keying to Mating Part          | Yes                            |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| PC Tail Length (in)            | 0.127 In                       |
| PC Tail Length (mm)            | 3.23 mm                        |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.57 mm                        |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface (in)  | 0.050 In                       |
| Pitch - Mating Interface (mm)  | 1.27 mm                        |
| Pitch - Term. Interface (in)   | 0.050 In                       |
| Pitch - Term. Interface (mm)   | 1.27 mm                        |
| Plating min: Mating (µin)      | 2                              |
| Plating min: Mating (µm)       | 0.05                           |
| Plating min: Termination (µin) | 150                            |
| Plating min: Termination (µm)  | 3.81                           |
| Temperature Range - Operating  | -40°C to +85°C                 |
| Termination Interface: Style   | Through Hole                   |

Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1A               |
| Voltage - Maximum             | 100V AC (RMS)/DC |
| Voltage Key                   | Center           |

EU RoHS

ELV and RoHS  
Compliant  
REACH SVHC  
Not Reviewed  
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

71251Series

Mates With

JEDEC MO-161 modules

**Solder Process Data**

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-71243-9999

Sales Drawing

SDA-71251-0\*\*\*

This document was generated on 04/13/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

1. CARD SLOT ACCEPTS .050±.004 (1.27±0.10) MODULE THICKNESS.  
(MEASURED OVER P.C. PADS).
2. ALL PEGS ARE INTERFERENCE FITS TO PCB UNLESS NOTED ON THE DWG.
3. REFER TO PRODUCT SPEC PS-71243-9999 FOR PERFORMANCE SPECIFICATIONS.
4. PRODUCT IS PACKAGED IN TRAYS.
5. RECOMMENDED MODULE LAYOUT SHALL BE PER JEDEC MO-161.
6. RECOMMENDED PLATING ON MODULE PADS: 30 MICROINCH/(0.76 MICROMETER) MINIMUM  
HARD GOLD (Au) OVER 79 MICROINCH/(2.0 MICROMETER) MINIMUM NICKEL (Ni).
7. SEE CHART FOR HOLE SIZE AND PRESENCE AND PLATING OPTION.
8. PRODUCT WILL HAVE DATE CODE STAMPED ON SIDE OF HOUSING.

MATERIALS:

HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.  
 TERMINAL- PHOSPHOR BRONZE  
 LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.

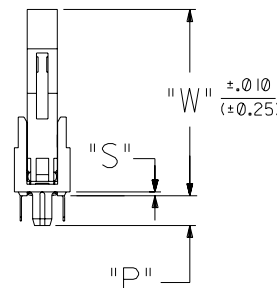
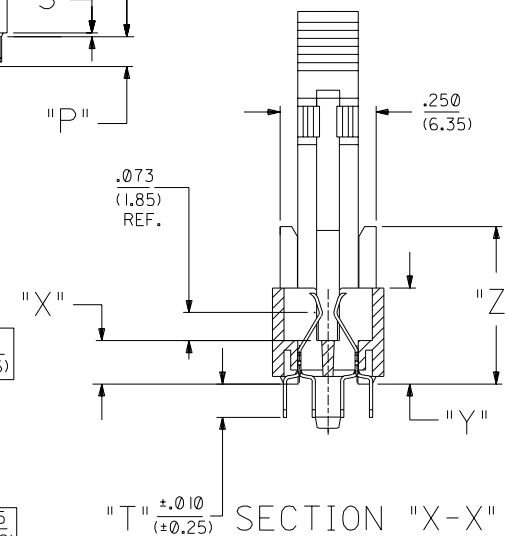
PLATING:

CONTACT AREA: OPTION A: GOLD (Au) FLASH: THICKNESS=2-10 MICROINCH/(0.05-0.25 (0.05-0.25 MICROMETER), OVER PALLADIUM-NICKEL (Pd-Ni); THICKNESS=30 MICROINCH/(0.76 MICROMETER) MINIMUM.  
OPTION B: GOLD (Au) FLASH: THICKNESS=2-10 MICROINCH/(0.05-0.25 MICROMETER), OVER PALLADIUM-NICKEL (Pd-Ni); THICKNESS=20 MICROINCH/(0.51 MICROMETER) MINIMUM.

SOLDER TAILS: TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.  
UNDERPLATE: NICKEL (Ni) OVER ENTIRE CONTACT.

NOTE FOR LEAD FREE CONVERSION:

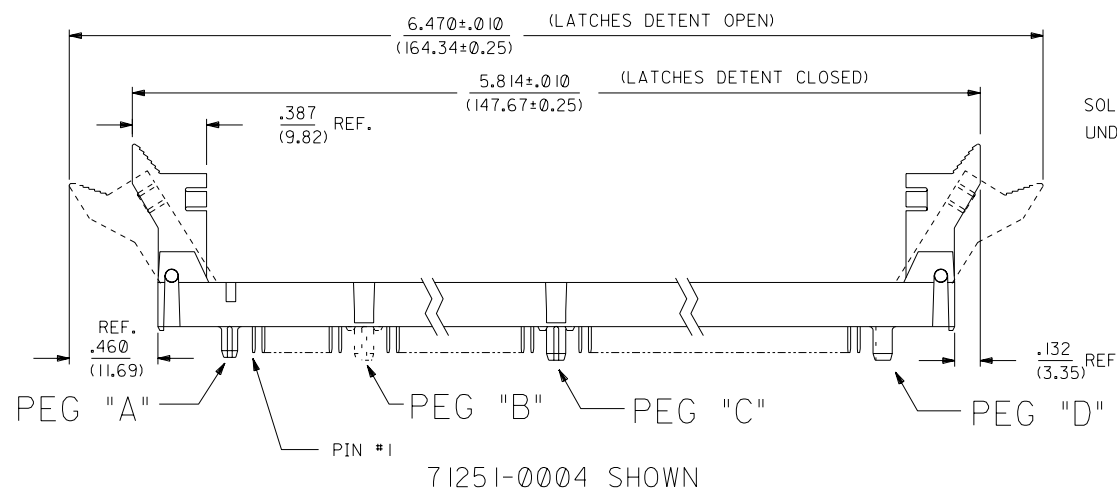
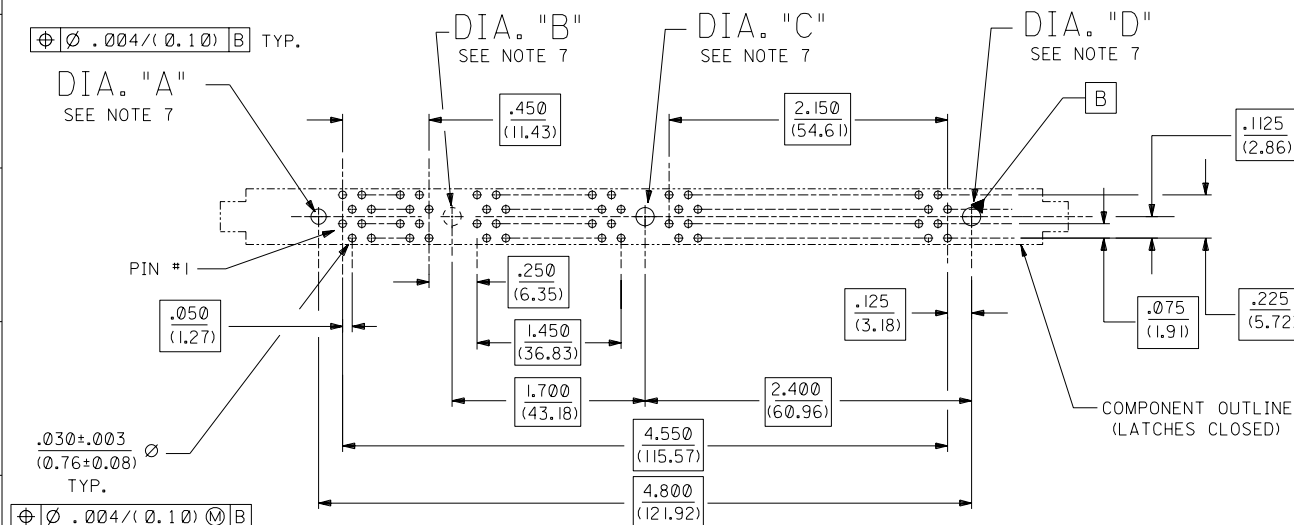
THE PRIMARY SHIPPING CARTON WILL BE  
 LABELED "COMPLIANT TO RoHS DIRECTIVE  
 2002/95/EC AND ELV ANNEX II OF  
 DIRECTIVE 2000/53/EC". CARTONS  
 WITHOUT THIS LABEL MAY CONTAIN  
 PRODUCT WITH LEAD.



SCALE 4:1

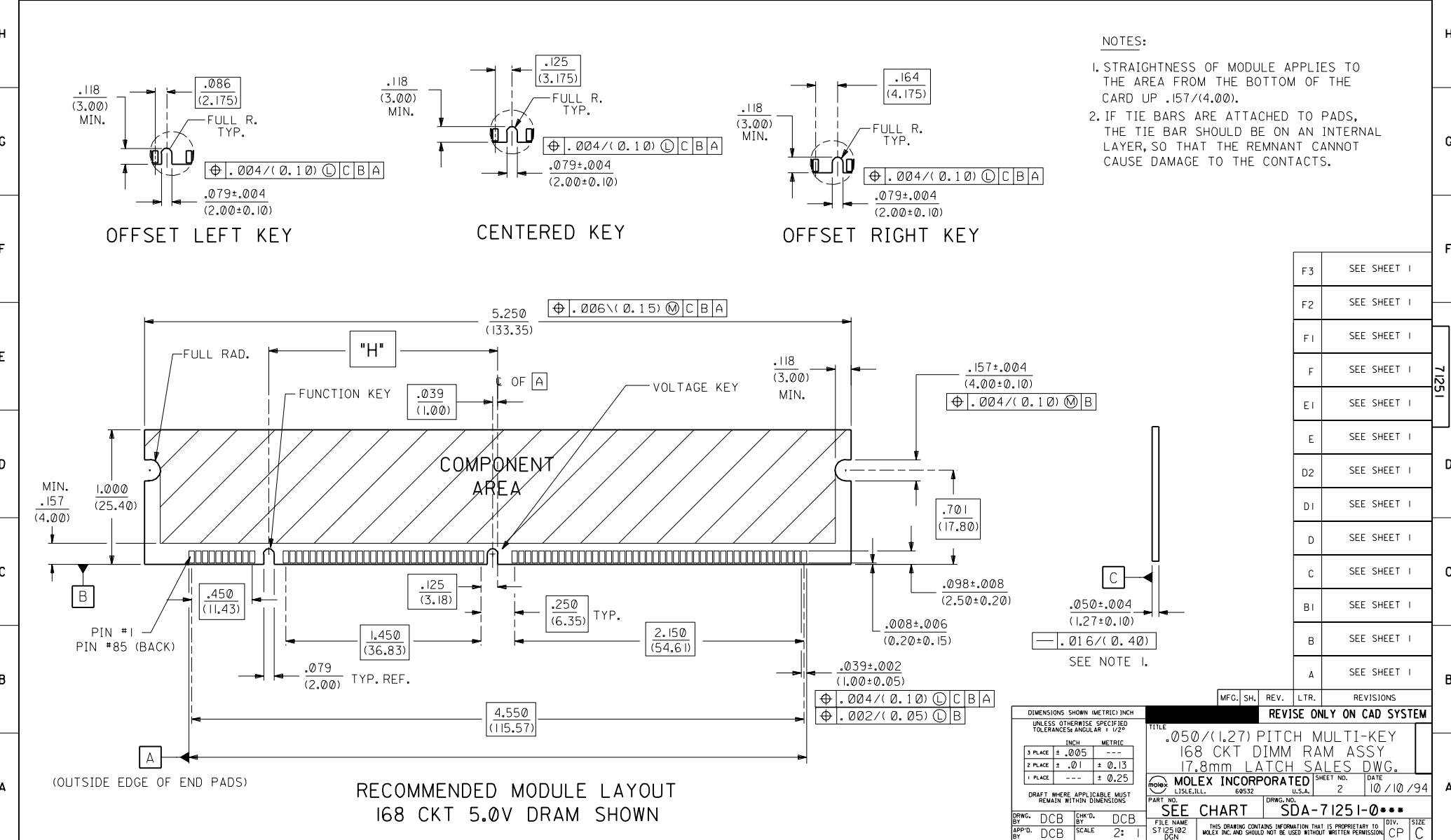
|      |     |      |      |                                          |
|------|-----|------|------|------------------------------------------|
|      |     |      | DI   | ECR# U60361<br>9-18-95 JCL               |
|      | 3   | H    | D    | REVISED PER<br>ECR# U51288<br>8-4-95 JCL |
|      | 2   | F3   |      |                                          |
|      | I   | HI   |      |                                          |
| MFG. | SH. | REV. | LTR. | REVISIONS                                |

|                                                          |            |                                                                                                                        |                                   |
|----------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| DIMENSIONS SHOWN (METRIC) INCH                           |            | REVISE ONLY ON CAD SYSTEM                                                                                              |                                   |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 1/2° |            | TITLE                                                                                                                  |                                   |
| INCH METRIC                                              |            | .050/(1.27) PITCH MULTI-KEY                                                                                            |                                   |
| 3 PLACE ± .005 ---                                       |            | 168 CKT DIMM RAM ASSY                                                                                                  |                                   |
| 2 PLACE ± --- ± 0.13                                     |            | 17.8mm LATCH SALES DWG                                                                                                 |                                   |
| 1 PLACE --- ± 0.25                                       |            | MOLEX INCORPORATED                                                                                                     |                                   |
| DRAFT WHEN APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS   |            | MOLEX U.S.A. 60932                                                                                                     | SHEET NO. DATE<br>1 OF 3 10/10/94 |
| PART NO. DWG. NO.                                        |            | SEE CHART SDA-71251-0***                                                                                               |                                   |
| DWG. BY: DCB                                             | CHK'D: DCB | FILE NAME: 571251-01                                                                                                   | SIZE: 11" x 17"                   |
| APP'D: DCR                                               | SCALE: 2:1 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                   |



RECOMMENDED  
P.C. BOARD HOLE PATTERN  
(CONNECTOR SIDE)

| 13          |       | 12                   |              | 11          |                          | 10       |                                        | 9                                      |                  | 8              |                | 7              |                 | 6              |                | 71251           |                      | 4 |  | 3 |  | 2 |  | 1 |  |
|-------------|-------|----------------------|--------------|-------------|--------------------------|----------|----------------------------------------|----------------------------------------|------------------|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------------------|---|--|---|--|---|--|---|--|
| PART NUMBER | COLOR | DESCRIPTION          | FUNCTION KEY | VOLTAGE KEY | DIA. "A"                 | DIA. "B" | DIA. "C"                               | DIA. "D"                               | DIM. "H"         | DIM. "P"       | DIM. "S"       | DIM. "T"       | DIM. "W"        | DIM. "X"       | DIM. "Y"       | DIM. "Z"        | CONTACT AREA PLATING |   |  |   |  |   |  |   |  |
| 71251-0001  | BLACK | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | .080±.002<br>(2.03±0.05) | NONE     | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | 1.700<br>(43.18) | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | OPTION A             |   |  |   |  |   |  |   |  |
| 71251-0004  | BLACK | 5.0 VOLT STD DRAM    | CENTER       | OFFSET LEFT | .080±.002<br>(2.03±0.05) | NONE     | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | 1.700<br>(43.18) | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | OPTION A             |   |  |   |  |   |  |   |  |
| 71251-0012  | BLACK | 3.3 VOLT UNBUFFERED  | OFFSET RIGHT | CENTER      | .080±.002<br>(2.03±0.05) | NONE     | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | 1.661<br>(42.19) | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | OPTION A             |   |  |   |  |   |  |   |  |
| 71251-0013  | BLACK | 5.0 VOLT UNBUFFERED  | OFFSET RIGHT | OFFSET LEFT | .080±.002<br>(2.03±0.05) | NONE     | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | 1.661<br>(42.19) | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | OPTION A             |   |  |   |  |   |  |   |  |
| 71251-0016  | BLACK | 3.3 VOLT SYNCHRONOUS | OFFSET LEFT  | CENTER      | .080±.002<br>(2.03±0.05) | NONE     | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | 1.739<br>(44.17) | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | OPTION A             |   |  |   |  |   |  |   |  |
| 71251-0017  | BLACK | 5.0 VOLT SYNCHRONOUS | OFFSET LEFT  | OFFSET LEFT | .080±.002<br>(2.03±0.05) | NONE     | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | .093 +.003/-0.000<br>(2.36+0.08/-0.00) | 1.739<br>(44.17) | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | OPTION A             |   |  |   |  |   |  |   |  |



| I3          |       | I2                   |              | I1          |                                                | I0 |                                                | 9 |                                                | 8 |                                                | 7 |                         | 6                     |                       | 71251                 |                                                                                           | 4                     |                                                                                                                       | 3                      |                                                                                         | 2 |  | 1 |  |  |
|-------------|-------|----------------------|--------------|-------------|------------------------------------------------|----|------------------------------------------------|---|------------------------------------------------|---|------------------------------------------------|---|-------------------------|-----------------------|-----------------------|-----------------------|-------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------|---|--|---|--|--|
| PART NUMBER | COLOR | DESCRIPTION          | FUNCTION KEY | VOLTAGE KEY | DIA. "A"                                       |    | DIA. "B"                                       |   | DIA. "C"                                       |   | DIA. "D"                                       |   | DIM. "H"                | DIM. "P"              | DIM. "S"              | DIM. "T"              | DIM. "W"                                                                                  | DIM. "X"              | DIM. "Y"                                                                                                              | DIM. "Z"               | CONTACT AREA PLATING                                                                    |   |  |   |  |  |
| 71251-0001  | BLACK | 3.3 VOLT STD DRAM    | SEE SHEET 2  |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       |                                                                                           |                       |                                                                                                                       |                        | OPTION A                                                                                |   |  |   |  |  |
| 71251-0002  | BLACK | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | NONE                                           |    | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | NONE                                           |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0003  | BLACK | 5.0 VOLT STD DRAM    | CENTER       | OFFSET LEFT | NONE                                           |    | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | NONE                                           |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0004  | BLACK | 5.0 VOLT STD DRAM    | SEE SHEET 2  |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       |                                                                                           |                       |                                                                                                                       |                        | OPTION A                                                                                |   |  |   |  |  |
| 71251-0005  | BLACK | 5.0 VOLT UNBUFFERED  | OFFSET RIGHT | OFFSET LEFT | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.661}{(42.19)}$ | $\frac{.125}{(3.18)}$ | $\frac{.035}{(0.89)}$ | $\frac{.102}{(2.59)}$ | $\frac{.985}{(25.02)}$                                                                    | $\frac{.128}{(3.25)}$ | $\frac{.265}{(6.73)}$                                                                                                 | $\frac{.425}{(10.79)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0006  | BLACK | 5.0 VOLT STD DRAM    | CENTER       | OFFSET LEFT | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0007  | BLACK | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.700}{(43.18)}$ | $\frac{.140}{(3.56)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0008  | BLACK | 5.0 VOLT STD DRAM    | CENTER       | OFFSET LEFT | NONE                                           |    | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0009  | BLACK | 5.0 VOLT STD DRAM    | CENTER       | OFFSET LEFT | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.700}{(43.18)}$ | $\frac{.125}{(3.18)}$ | $\frac{.035}{(0.89)}$ | $\frac{.102}{(2.59)}$ | $\frac{.985}{(25.02)}$                                                                    | $\frac{.128}{(3.25)}$ | $\frac{.265}{(6.73)}$                                                                                                 | $\frac{.425}{(10.79)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0010  | BEIGE | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.700}{(43.18)}$ | $\frac{.125}{(3.18)}$ | $\frac{.035}{(0.89)}$ | $\frac{.112}{(2.84)}$ | $\frac{.985}{(25.02)}$                                                                    | $\frac{.128}{(3.25)}$ | $\frac{.265}{(6.73)}$                                                                                                 | $\frac{.425}{(10.79)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0011  | BLACK | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |    | NONE                                           |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0012  | BLACK | 3.3 VOLT UNBUFFERED  | SEE SHEET 2  |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       |                                                                                           |                       |                                                                                                                       |                        | OPTION A                                                                                |   |  |   |  |  |
| 71251-0013  | BLACK | 5.0 VOLT UNBUFFERED  | SEE SHEET 2  |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       |                                                                                           |                       |                                                                                                                       |                        | OPTION A                                                                                |   |  |   |  |  |
| 71251-0014  | BLACK | 3.3 VOLT UNBUFFERED  | OFFSET RIGHT | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.661}{(42.19)}$ | $\frac{.125}{(3.18)}$ | $\frac{.035}{(0.89)}$ | $\frac{.112}{(2.84)}$ | $\frac{.985}{(25.02)}$                                                                    | $\frac{.128}{(3.25)}$ | $\frac{.265}{(6.73)}$                                                                                                 | $\frac{.425}{(10.79)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0015  | BLACK | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.117}{(2.97)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0016  | BLACK | 3.3 VOLT SYNCHRONOUS | SEE SHEET 2  |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       |                                                                                           |                       |                                                                                                                       |                        | OPTION A                                                                                |   |  |   |  |  |
| 71251-0017  | BLACK | 5.0 VOLT SYNCHRONOUS | SEE SHEET 2  |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       |                                                                                           |                       |                                                                                                                       |                        | OPTION A                                                                                |   |  |   |  |  |
| 71251-0018  | BLACK | 3.3 VOLT UNBUFFERED  | OFFSET RIGHT | CENTER      | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |    | NONE                                           |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{1.661}{(42.19)}$ | $\frac{.140}{(3.56)}$ | $\frac{.035}{(0.89)}$ | $\frac{.102}{(2.59)}$ | $\frac{.985}{(25.02)}$                                                                    | $\frac{.128}{(3.25)}$ | $\frac{.265}{(6.73)}$                                                                                                 | $\frac{.425}{(10.79)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0019  | BLACK | 5.0 VOLT STD DRAM    | CENTER       | OFFSET LEFT | NONE                                           |    | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | NONE                                           |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION B                                                                                |   |  |   |  |  |
| 71251-0020  | BLACK | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.700}{(43.18)}$ | $\frac{.140}{(3.56)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION B                                                                                |   |  |   |  |  |
| 71251-0021  | BLACK | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{1.700}{(43.18)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION B                                                                                |   |  |   |  |  |
| 71251-0022  | BLACK | 3.3 VOLT UNBUFFERED  | OFFSET RIGHT | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{1.661}{(42.19)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION B                                                                                |   |  |   |  |  |
| 71251-0023  | BLACK | 3.3 VOLT UNBUFFERED  | OFFSET RIGHT | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.661}{(42.19)}$ | $\frac{.125}{(3.18)}$ | $\frac{.035}{(0.89)}$ | $\frac{.102}{(2.59)}$ | $\frac{.985}{(25.02)}$                                                                    | $\frac{.128}{(3.25)}$ | $\frac{.265}{(6.73)}$                                                                                                 | $\frac{.425}{(10.79)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0024  | BLACK | 3.3 VOLT UNBUFFERED  | OFFSET RIGHT | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{1.661}{(42.19)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.105}{(2.67)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0026  | BEIGE | 3.3 VOLT STD DRAM    | CENTER       | CENTER      | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |    | NONE                                           |   | NONE                                           |   | $\frac{.080 \pm .002}{(2.03 \pm 0.05)}$        |   | $\frac{1.700}{(43.18)}$ | $\frac{.125}{(3.18)}$ | $\frac{.035}{(0.89)}$ | $\frac{.090}{(2.29)}$ | $\frac{.985}{(25.02)}$                                                                    | $\frac{.128}{(3.25)}$ | $\frac{.265}{(6.73)}$                                                                                                 | $\frac{.425}{(10.79)}$ | OPTION A                                                                                |   |  |   |  |  |
| 71251-0027  | BLACK | 3.3 VOLT SYNCHRONOUS | OFFSET LEFT  | CENTER      | NONE                                           |    | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | $\frac{.093 + .003/- .000}{(2.36+0.08/-0.00)}$ |   | NONE                                           |   | $\frac{1.739}{(44.17)}$ | $\frac{.155}{(3.94)}$ | $\frac{.020}{(0.51)}$ | $\frac{.127}{(3.23)}$ | $\frac{.970}{(24.64)}$                                                                    | $\frac{.113}{(2.87)}$ | $\frac{.250}{(6.35)}$                                                                                                 | $\frac{.410}{(10.41)}$ | OPTION A                                                                                |   |  |   |  |  |
|             |       |                      |              |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES ANGULAR ± 1/2° |                       |                                                                                                                       |                        | REVISE ONLY ON CAD SYSTEM                                                               |   |  |   |  |  |
|             |       |                      |              |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       | INCH METRIC                                                                               |                       |                                                                                                                       |                        | TITLE<br>050/(1.27) PITCH MULTI-KEY<br>168 CKT DIMM RAM ASSY<br>17.8mm LATCH SALES DWG. |   |  |   |  |  |
|             |       |                      |              |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       | 3 PLACE ± .005 ---<br>2 PLACE ± .01 ± 0.13<br>1 PLACE --- ± 0.25                          |                       |                                                                                                                       |                        | MOLEX INCORPORATED SHEET NO. 3 DATE 12/07/95<br>L15L,ILL. 60532 U.S.A.                  |   |  |   |  |  |
|             |       |                      |              |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                      |                       |                                                                                                                       |                        | PART NO. SEE CHART DRWG. NO. SDA-71251-0...                                             |   |  |   |  |  |
|             |       |                      |              |             |                                                |    |                                                |   |                                                |   |                                                |   |                         |                       |                       |                       | DRAWN BY DCB CHK'D BY DCB<br>SCALE 2:1                                                    |                       |                                                                                                                       |                        | FILE NAME ST 25103 CP                                                                   |   |  |   |  |  |
|             |       |                      |              |             |                                                |    |                                                |   |                                                |   |                                                |   | LTR.                    | REVISIONS             |                       | LTR.                  | REVISIONS                                                                                 |                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                         |   |  |   |  |  |
| I3          |       | I2                   |              | I1          |                                                | I0 |                                                | 9 |                                                | 8 |                                                | 7 |                         | 6                     |                       | 5                     |                                                                                           | 4                     |                                                                                                                       | 3                      |                                                                                         | 2 |  | 1 |  |  |