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**Part Number:** [0872630425](#)  
**Status:** **Active**  
**Description:** 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Bottom Entry, 0.76µm (30µ") Gold (Au) Selective, 4 Circuits, without Pick-and-Place Cap, Tube, Leadfree

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family PCB Receptacles  
Series [87263](#)  
Application Board-to-Board  
Product Literature Order No 987650-1991  
Product Name Milli-Grid™

**Physical**

Circuits (Loaded) 4  
Color - Resin Black  
Durability (mating cycles max) 25  
Flammability 94V-0  
Glow-Wire Compliant No  
Lock to Mating Part None  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Number of Rows 2  
Orientation Bottom Entry  
PCB Locator Yes  
PCB Retention None  
Packaging Type Tube  
Pitch - Mating Interface (in) 0.079 In  
Pitch - Mating Interface (mm) 2.00 mm  
Pitch - Term. Interface (in) 0.079 In  
Pitch - Term. Interface (mm) 2.00 mm  
Plating min: Mating (µin) 30.4  
Plating min: Mating (µm) 0.76  
Polarized to Mating Part No  
Polarized to PCB Yes  
Temperature Range - Operating -55°C to +105°C  
Termination Interface: Style Surface Mount

**Electrical**

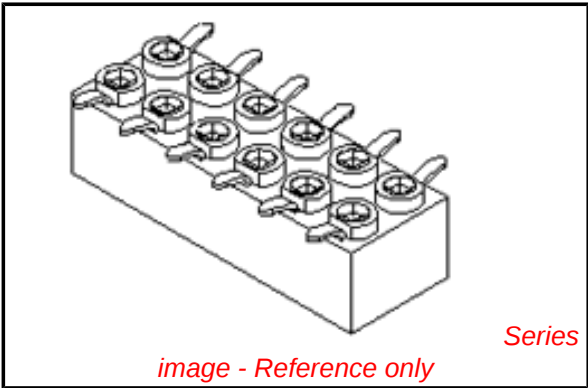
Current - Maximum per Contact 1A  
Voltage - Maximum 125V

**Solder Process Data**

Lead-free Process Capability Reflow Capable (SMT only)  
Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**



**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**  
[87263Series](#)

**Mates With**  
[87759](#) Vertical, Surface Mount, Stackable PCB Headers, [87760](#) Right Angle, Through Hole, Stackable PCB Headers, [87758](#) Vertical, Through Hole, Stackable PCB Headers

This document was generated on 04/27/2010

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F

E

D

C

B

A

F

E

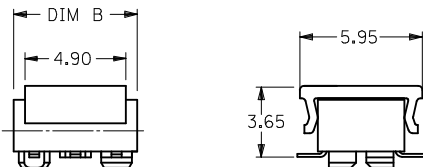
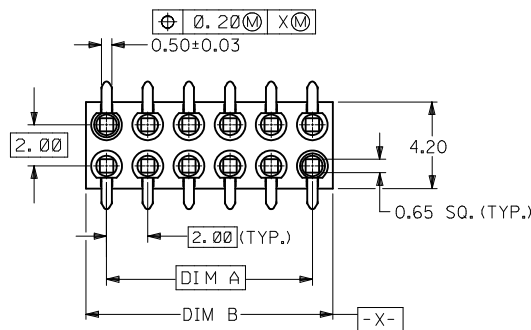
D

C

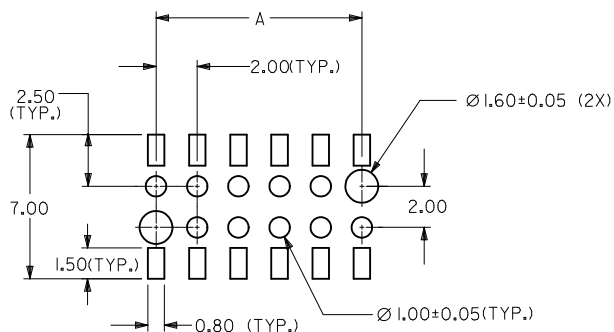
B

A

10987654321



PARTS TO BE PACK WITH CAP (12 CKT SHOWN)



RECOMMENDED SOLDER PAD DESIGN

**PART NO. LEGEND**

87263 - \* \* \* \*

CIRCUIT SIZE

PLATING OPTION

3 - 0.38µm MIN. GOLD

5 - 0.76µm MIN. GOLD

6 - (0.13-0.38)µm GOLD FLASH

PACKAGING

0 - W/CAP IN TUBE (SEE SHEET 2)

2 - W/O CAP IN TUBE (SEE SHEET 2)

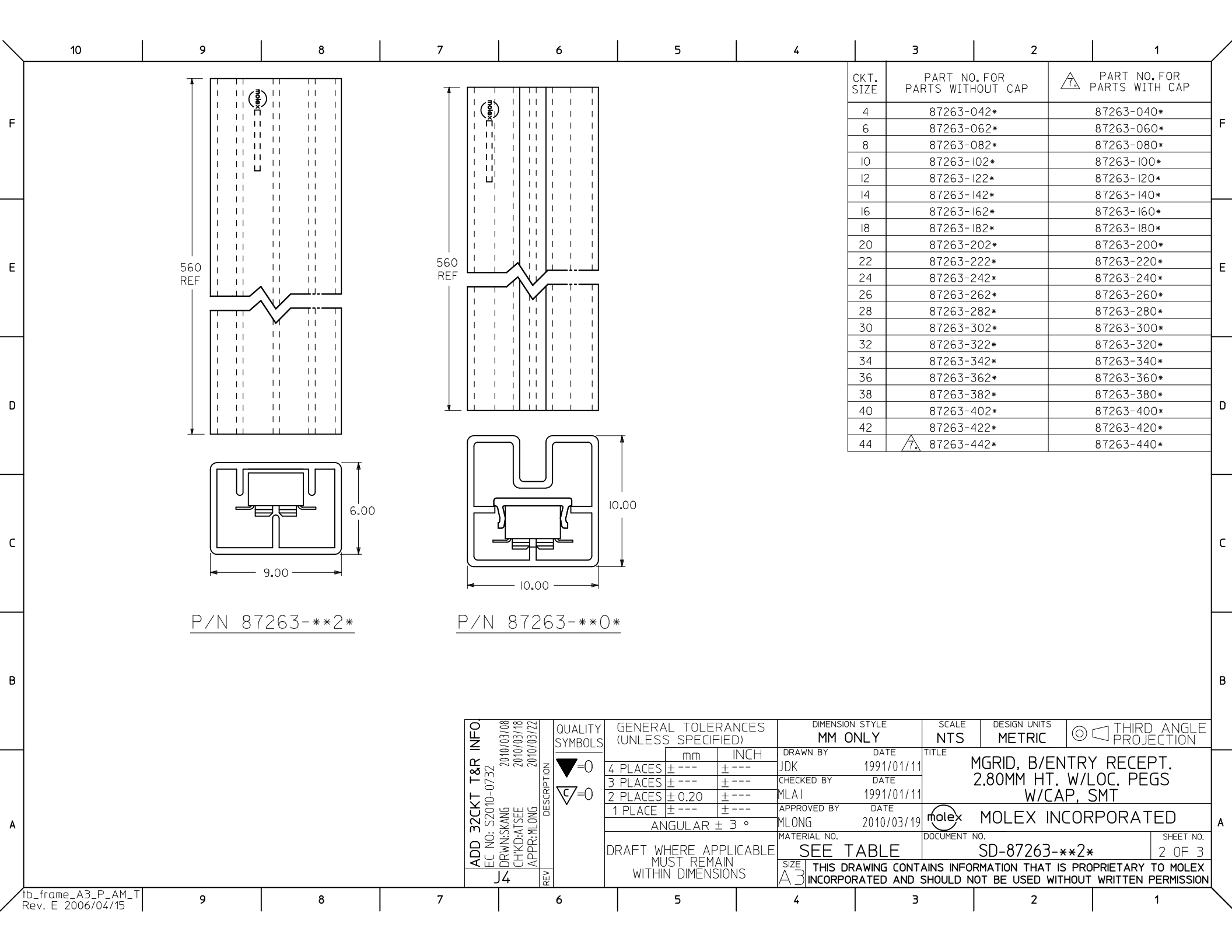
9 - W/CAP IN TAPE &amp; REEL (SEE SHEET 3)

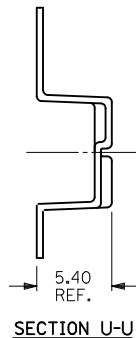
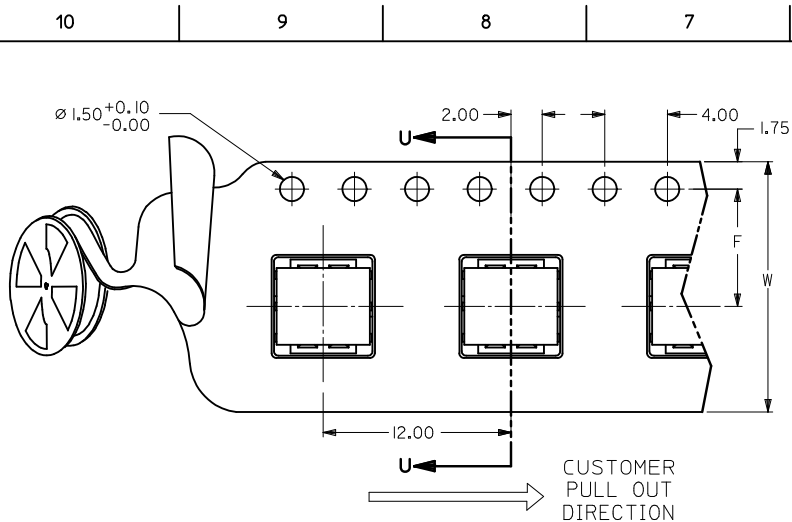
| CKT. SIZE | DIM. A | DIM. B |
|-----------|--------|--------|
| 4         | 2.00   | 4.00   |
| 6         | 4.00   | 6.00   |
| 8         | 6.00   | 8.00   |
| 10        | 8.00   | 10.00  |
| 12        | 10.00  | 12.00  |
| 14        | 12.00  | 14.00  |
| 16        | 14.00  | 16.00  |
| 18        | 16.00  | 18.00  |
| 20        | 18.00  | 20.00  |
| 22        | 20.00  | 22.00  |
| 24        | 22.00  | 24.00  |
| 26        | 24.00  | 26.00  |
| 28        | 26.00  | 28.00  |
| 30        | 28.00  | 30.00  |
| 32        | 30.00  | 32.00  |
| 34        | 32.00  | 34.00  |
| 36        | 34.00  | 36.00  |
| 38        | 36.00  | 38.00  |
| 40        | 38.00  | 40.00  |
| 42        | 40.00  | 42.00  |
| 44        | 42.00  | 44.00  |

**NOTES:**

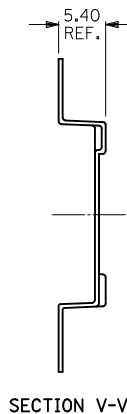
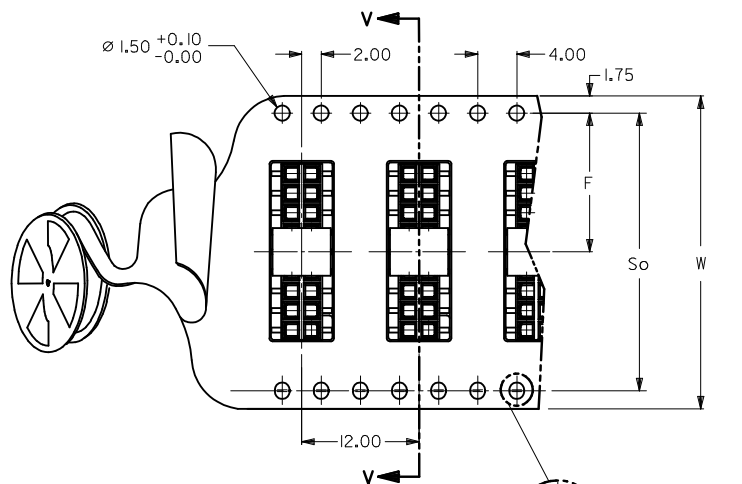
- FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART WITH 12 CIRCUIT SIZE.
- PLATING  
POST-PLATING - SELECTIVE GOLD (SEE LEGEND) AT CONTACT AREA, AND 1.27µm MIN. SELECTIVE TIN AT SOLDER AREA BOTH OVER 1.27µm MIN. NICKEL OVERALL.
- CO-PLANARITY OF P.C TAIL TO BE MEASURED BY RESTING THE PART ON A FLAT GAGE SURFACE.
- PRODUCT SPECIFICATION PS-87263 APPLIES.
- CAP : HIGH TEMPERATURE THERMOPLASTIC, UL RATED 94V-0, SUITABLE FOR SURFACE-MOUNT SOLDERING PROCESS. COLOR BLACK
- POSITION OF CAP TO BE CENTRAL WITH RESPECT TO DIMENSION "A"
- CONTACT FACTORY FOR DETAILS ON THIS PART NO.
- PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.

|                                                                                                                          |  |  |             |                                                  |                                       |            |                                                                                                                               |       |                                                                         |                        |                           |                    |  |
|--------------------------------------------------------------------------------------------------------------------------|--|--|-------------|--------------------------------------------------|---------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------|------------------------|---------------------------|--------------------|--|
| ADD 32CKT T&R INFO<br>EC NO: S2010-0732<br>DRWN:SKANG 2010/03/08<br>CHKD:ATSEE 2010/03/18<br>APPR:MLONG 2010/03/22<br>J4 |  |  | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>◻=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | DIMENSION STYLE<br>MM ONLY                                                                                                    |       | SCALE<br>NTS                                                            | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |                    |  |
|                                                                                                                          |  |  |             |                                                  |                                       |            | DRAWN BY<br>DATE                                                                                                              |       | TITLE<br>MGRID, B/ENTRY RECEPT.<br>2.80MM HT. W/LOC. PEGS<br>W/CAP, SMT |                        |                           |                    |  |
|                                                                                                                          |  |  |             |                                                  |                                       |            | CHECKED BY<br>DATE                                                                                                            |       |                                                                         |                        |                           |                    |  |
|                                                                                                                          |  |  |             |                                                  |                                       |            | APPROVED BY<br>DATE                                                                                                           |       |                                                                         |                        |                           |                    |  |
|                                                                                                                          |  |  |             |                                                  | 1 PLACE                               |            | ± ---                                                                                                                         | ± --- | MLAI                                                                    |                        | 1991/01/11                | MOLEX INCORPORATED |  |
| ANGULAR ± 3 °                                                                                                            |  |  |             | MLONG                                            |                                       | 2010/03/19 |                                                                                                                               |       |                                                                         |                        |                           |                    |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                               |  |  |             | MATERIAL NO.                                     |                                       |            | DOCUMENT NO.                                                                                                                  |       |                                                                         | SHEET NO.              |                           |                    |  |
|                                                                                                                          |  |  |             | SEE TABLE                                        |                                       |            | SD-87263-***2*                                                                                                                |       |                                                                         | 1 OF 3                 |                           |                    |  |
| REV                                                                                                                      |  |  |             | SIZE<br>A3                                       |                                       |            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                                                                         |                        |                           |                    |  |





PART NO. 87263-\*\*\*9\* (CKTS 04 TO 14)  
SINGLE SPROCKET HOLE T/REEL - TYPE A



PART NO. 87263-\*\*\*9\* (CKTS 16 TO 40)  
DOUBLE SPROCKET HOLE T/REEL - TYPE B

| PART NO. FOR PARTS IN T/REEL | CKT. SIZE | F    | So   | W  | T/REEL TYPE |
|------------------------------|-----------|------|------|----|-------------|
| 87263-049*                   | 4         | 11.5 | -    | 24 | A           |
| 87263-069*                   | 6         | 11.5 | -    | 24 |             |
| 87263-089*                   | 8         | 11.5 | -    | 24 |             |
| 87263-109*                   | 10        | 11.5 | -    | 24 |             |
| 87263-129*                   | 12        | 11.5 | -    | 24 |             |
| 87263-149*                   | 14        | 11.5 | -    | 24 |             |
| 87263-169*                   | 16        | 11.5 | -    | 24 | B           |
| 87263-189*                   | 18        | 14.2 | 28.4 | 32 |             |
| 87263-209*                   | 20        | 20.2 | 40.4 | 44 |             |
| 87263-229*                   | 22        | -    | -    | -  |             |
| 87263-249*                   | 24        | 20.2 | 40.4 | 44 |             |
| 87263-269*                   | 26        | 20.2 | 40.4 | 44 |             |
| 87263-289*                   | 28        | 20.2 | 40.4 | 44 |             |
| 87263-309*                   | 30        | 20.2 | 40.4 | 44 |             |
| 87263-329*                   | 32        | 26.2 | 52.4 | 56 |             |
| 87263-349*                   | 34        | -    | -    | -  |             |
| 87263-369*                   | 36        | 26.2 | 52.4 | 56 |             |
| 87263-389*                   | 38        | -    | -    | -  |             |
| 87263-409*                   | 40        | -    | -    | -  |             |

#### NOTES:

- LEADER AND TRAILER TAPE  
160 MIN. TOP TAPE TRAILER  
390 MIN. TOP TAPE  
160 MIN. TAIL PART (EMPTY)  
230 MIN. LEADER PART (EMPTY)  
COMPONENT  
PEEL OFF DIRECTION  
15° MAX.  
PULL OUT DIRECTION
- PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.  
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 1000PCS/REEL.
- THE TAPE IS TREATED FOR ANTI-STATIC.

| ADD 32CKT T&R INFO |            | QUALITY SYMBOLS | DESCRIPTION |
|--------------------|------------|-----------------|-------------|
| EC NO: S2010-0732  | 2010/03/08 |                 |             |
| DRWN:SKANG         | 2010/03/18 | ▽=0             |             |
| CHKD:ATSEE         | 2010/03/22 | ∇=0             |             |
| APPR:MLONG         |            |                 |             |
| J4                 |            |                 |             |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       |
|------------------------------------------------------|-------|
| mm                                                   | INCH  |
| 4 PLACES ± ---                                       | ± --- |
| 3 PLACES ± ---                                       | ± --- |
| 2 PLACES ± 0.20                                      | ± --- |
| 1 PLACE ± ---                                        | ± --- |
| ANGULAR ± 3 °                                        |       |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       |

| DIMENSION STYLE |            |
|-----------------|------------|
| MM ONLY         |            |
| DRAWN BY        | DATE       |
| JDK             | 1991/01/11 |
| CHECKED BY      | DATE       |
| MLAI            | 1991/01/11 |
| APPROVED BY     | DATE       |
| MLONG           | 2010/03/19 |
| MATERIAL NO.    |            |
| SEE TABLE       |            |
| SIZE            |            |
| A3              |            |

| SCALE                                                    | DESIGN UNITS | THIRD ANGLE PROJECTION |
|----------------------------------------------------------|--------------|------------------------|
| NTS                                                      | METRIC       |                        |
| TITLE                                                    |              |                        |
| MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT |              |                        |
| MOLEX INCORPORATED                                       |              |                        |
| DOCUMENT NO.                                             | SHEET NO.    |                        |
| SD-87263-***2*                                           | 3 OF 3       |                        |