

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0872630603](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Bottom Entry, 0.38µm (15µ") Gold (Au) Selective, 6 Circuits, with 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

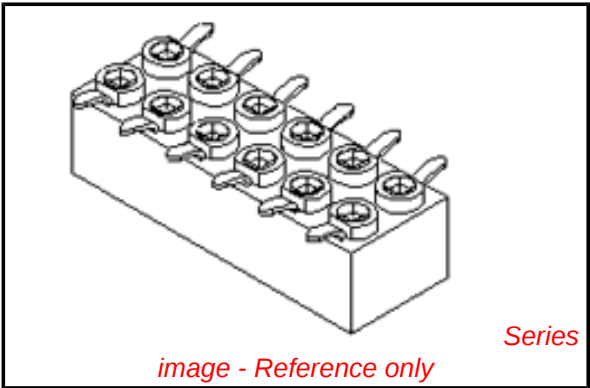
Circuits (Loaded) 6
Color - Resin Black
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part None
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Bottom Entry
PCB 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) 15.2
Plating min: Mating (µm) 0.38
Polarized to Mating Part No
Polarized to PCB Yes
Robotic Placement Pick and Place Cap
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

Duration at Max. Process Temperature (seconds) 14
Lead-free Process Capability Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 265



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
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

Material Info

Reference - Drawing Numbers

Sales Drawing

SD-87263-**2*

This document was generated on 04/27/2010

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F

E

D

C

B

A

F

E

D

C

B

A

10

9

8

7

6

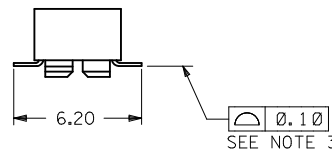
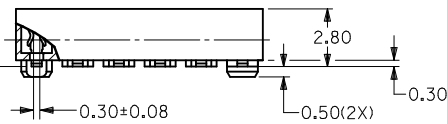
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2

1

HEIGHT
CONTACT
1.30**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

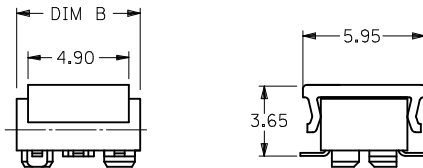
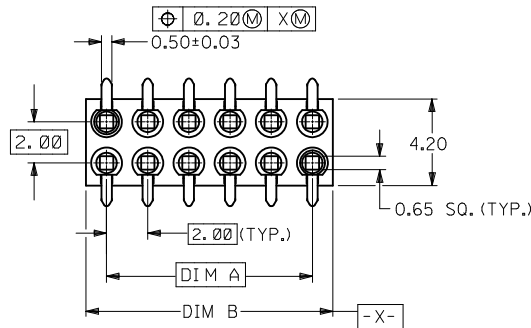
PACKAGING

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

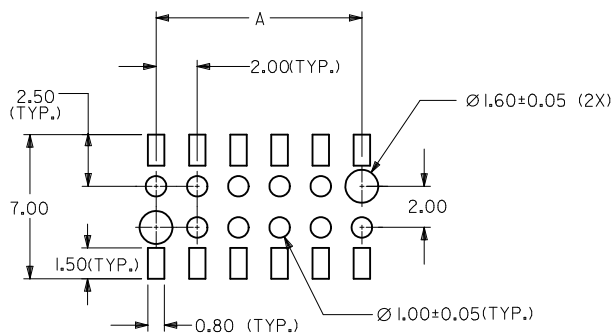
2 - W/O CAP IN TUBE (SEE SHEET 2)

9 - W/CAP IN TAPE & 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



PARTS TO BE PACK WITH CAP (12 CKT SHOWN)



RECOMMENDED SOLDER PAD DESIGN

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 EC NO: S2010-0732 DRWN:SKANG CHKD:ATSEE APPR:MLONG	2010/03/08 2010/03/18 2010/03/22	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY JDK	DATE 1991/01/11	TITLE MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT		
				4 PLACES	± ---	± ---	CHECKED BY MLAI	DATE 1991/01/11			
				3 PLACES	± ---	± ---					
				2 PLACES	± 0.20	± ---	APPROVED BY MLONG		DATE 2010/03/19		 MOLEX INCORPORATED
				1 PLACE	± ---	± ---	ANGULAR ± 3 °				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
		SIZE A3		SEE TABLE SD-87263-**2* 1 OF 3							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

9

8

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6

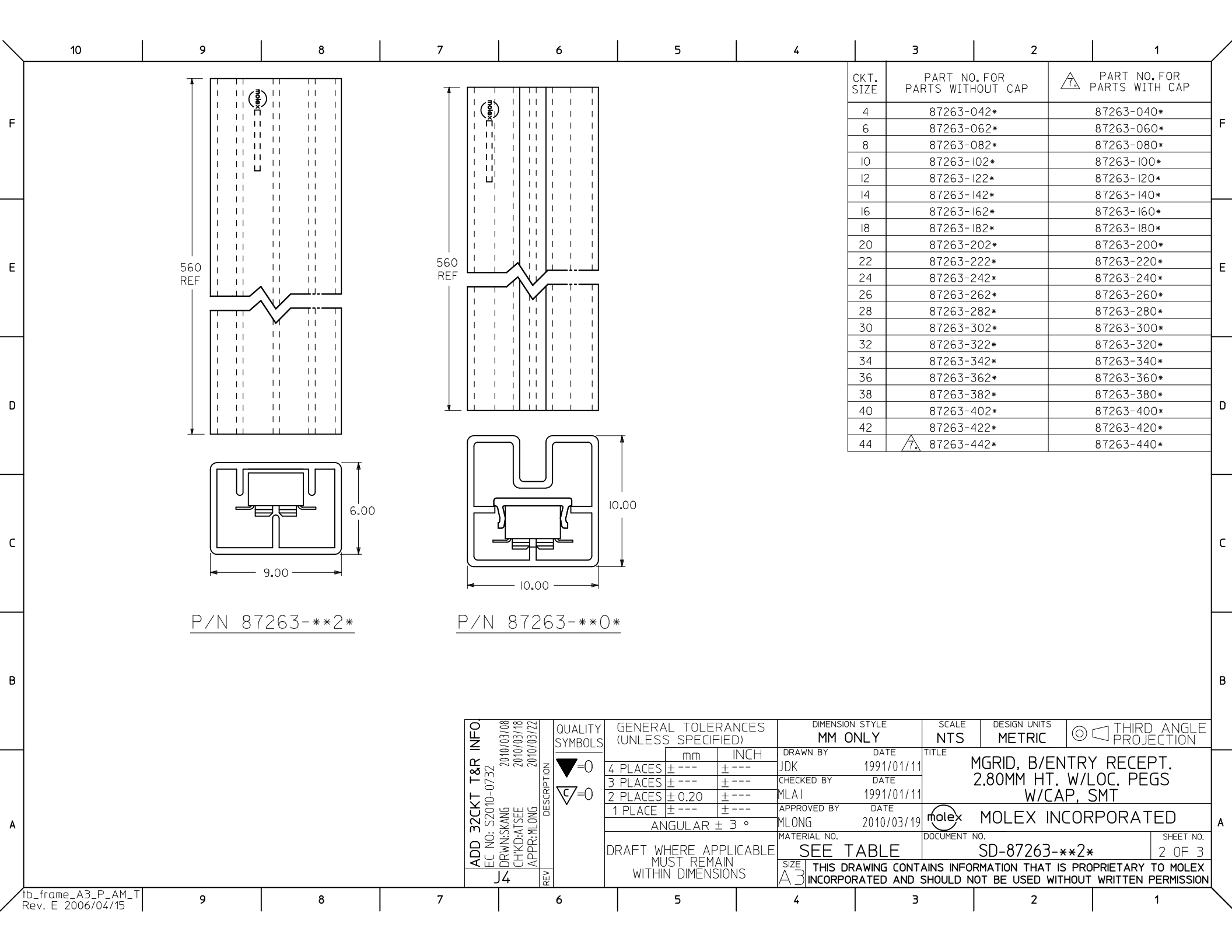
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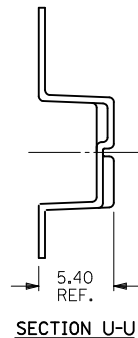
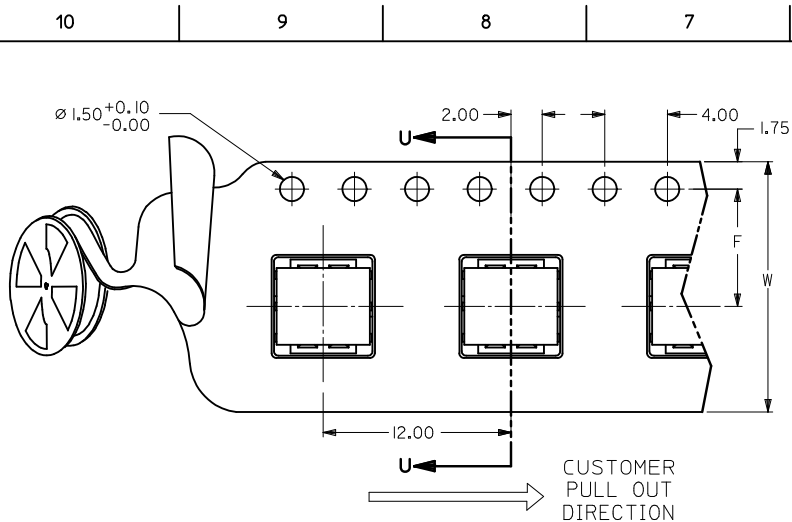
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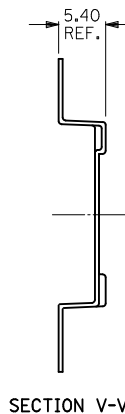
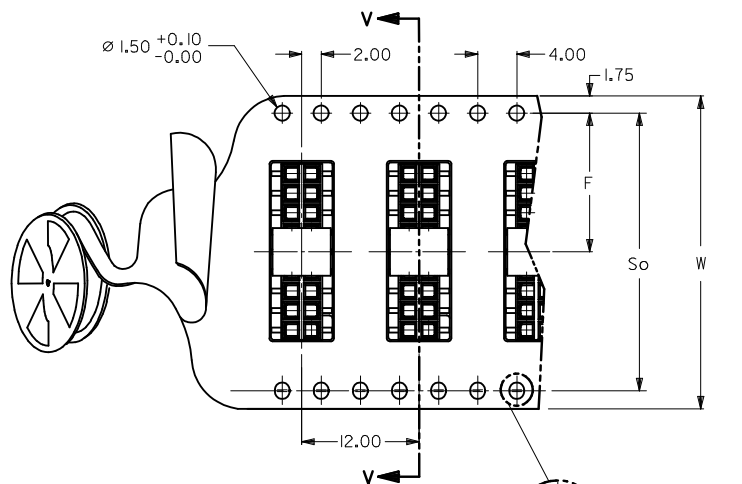
2

1





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

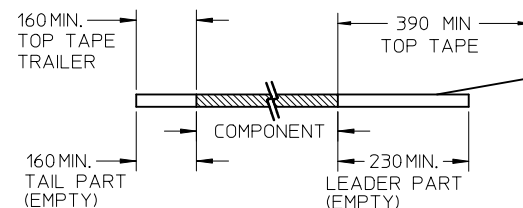


PART NO. 87263-***9* (CKTS 16 TO 40)
DOUBLE SPROCKET HOLE T/REEL - TYPE B

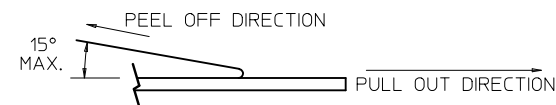
PART NO. FOR PARTS IN T/REEL	CKT. SIZE	F	So	W	T/REEL TYPE
87263-049*	4	11.5	-	24	A
87263-069*	6	11.5	-	24	
87263-089*	8	11.5	-	24	
87263-109*	10	11.5	-	24	
87263-129*	12	11.5	-	24	
87263-149*	14	11.5	-	24	
87263-169*	16	11.5	-	24	B
87263-189*	18	14.2	28.4	32	
87263-209*	20	20.2	40.4	44	
87263-229*	22	-	-	-	
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:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. PACKAGING STANDARD IS AS PER EIA-481.

4. TAPE & REEL QUANTITY = 1000PCS/REEL.

5. THE TAPE IS TREATED FOR ANTI-STATIC.

ADD 32CKT T&R INFO		QUALITY SYMBOLS	
EC NO: S2010-0732	2010/03/08	▽=0	▽=0
DRWN:SKANG	2010/03/18		
CHKD:ATSEE	2010/03/22		
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.	SD-87263-***2*	SHEET NO.
		3 OF 3