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Part Number: [0872631823](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Bottom Entry, 0.38µm (15µ") Gold (Au) Selective, 18 Circuits, without Pick-and-Place Cap, Tube, Leadfree

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

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) 18
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
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Surface Mount

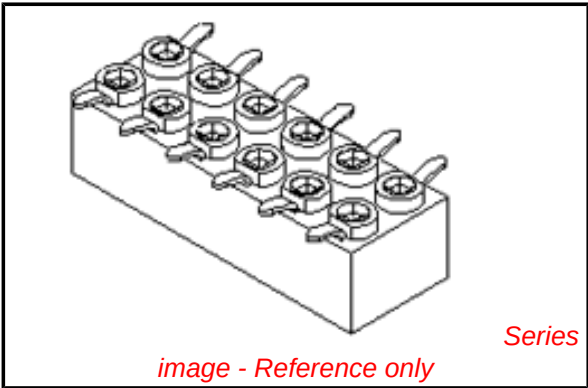
Electrical

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

Material Info



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
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

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

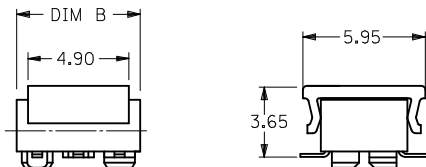
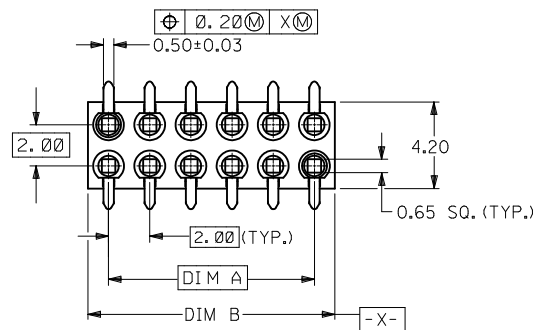
D

C

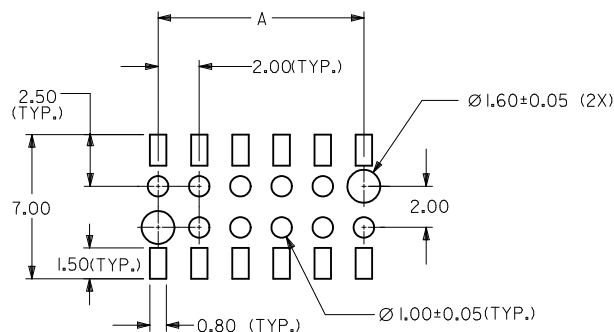
B

A

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)

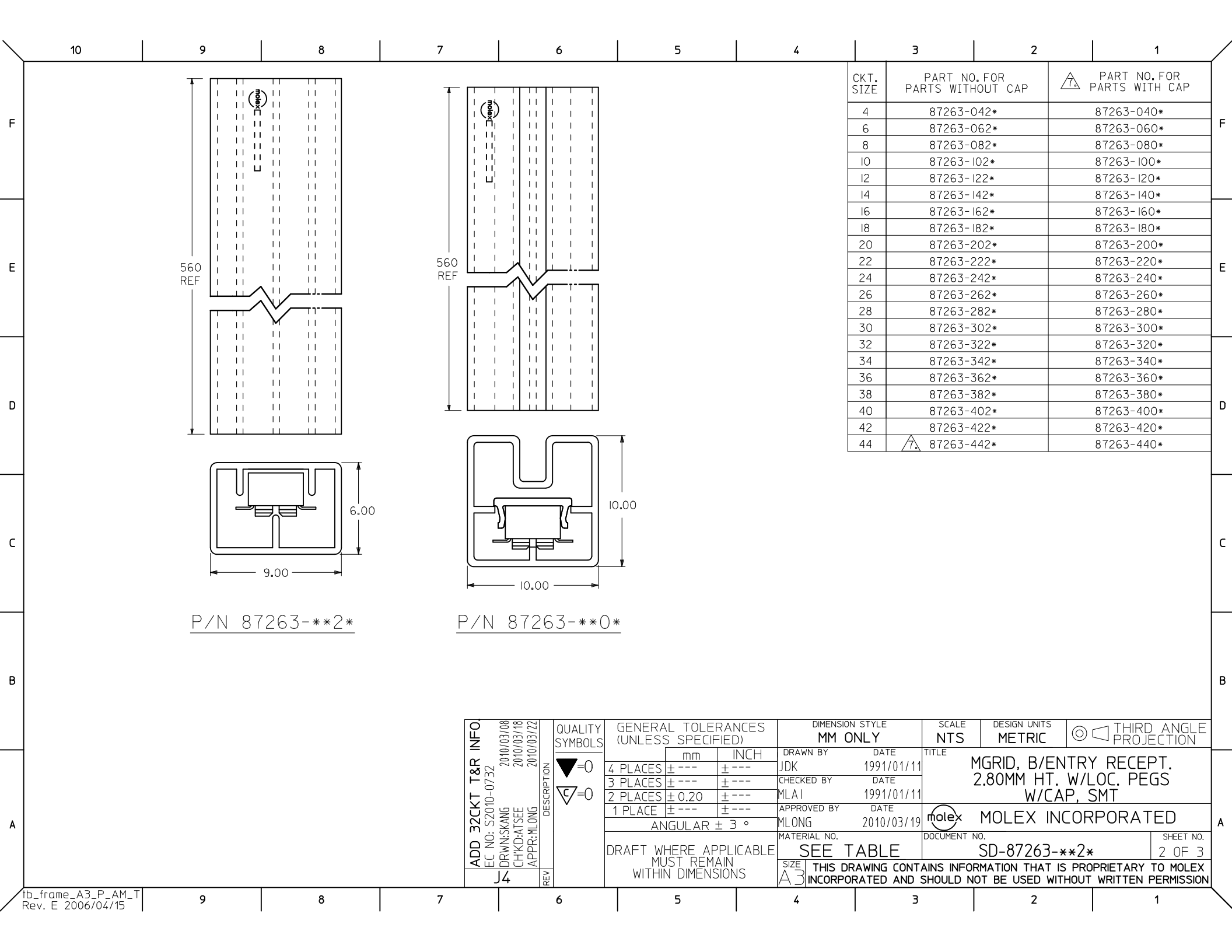
9 - W/CAP IN TAPE & REEL (SEE SHEET 3)

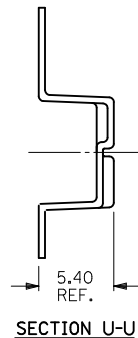
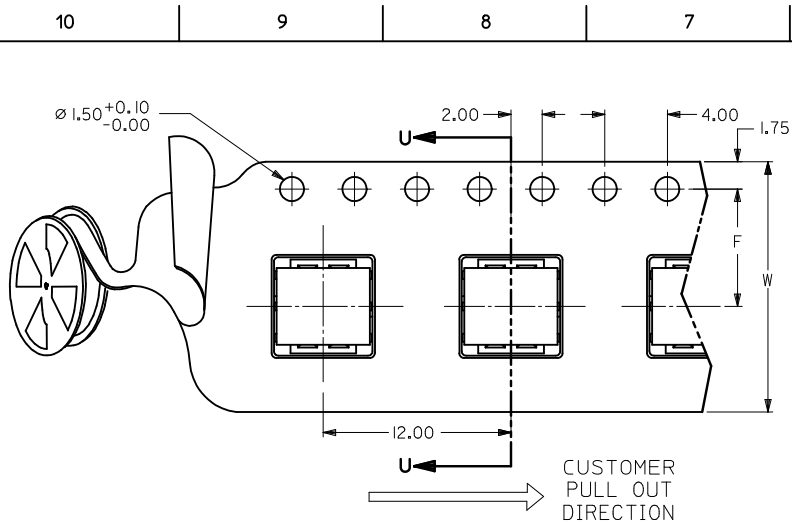
CKT. SIZE	DIM. A	DIM. B
4	2.00	4.00
6	4.00	6.00
8	6.00	8.00
10	8.00	10.00
12	10.00	12.00
14	12.00	14.00
16	14.00	16.00
18	16.00	18.00
20	18.00	20.00
22	20.00	22.00
24	22.00	24.00
26	24.00	26.00
28	26.00	28.00
30	28.00	30.00
32	30.00	32.00
34	32.00	34.00
36	34.00	36.00
38	36.00	38.00
40	38.00	40.00
42	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 EC NO: S2010-0732 DRWN:SKANG 2010/03/08 CHKD:ATSEE 2010/03/18 APPR:MLONG 2010/03/22	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		DESCRIPTION REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	DRAWN BY JDK CHECKED BY MLAI APPROVED BY MLONG MATERIAL NO. SEE TABLE	DATE 1991/01/11 1991/01/11 2010/03/19	TITLE MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT MOLEX INCORPORATED	DOCUMENT NO. SD-87263-**2*	SHEET NO. 1 OF 3

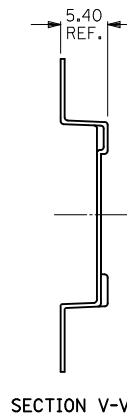
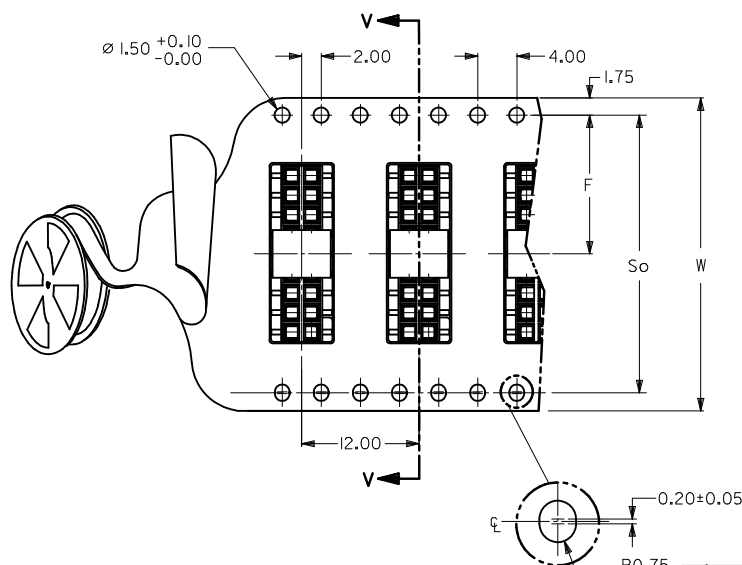




SECTION U-U

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	-	-	-	

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



SECTION V-V

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.

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

ADD 32CKT T&R INFO				QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: S2010-0732	DRWN:SKANG	2010/03/08	CHKD:ATSEE	2010/03/18	APPR:MLONG	2010/03/22		mm	INCH	NTS	METRIC		
				▽=0		4 PLACES ± --- ± ---		DRAWN BY		DATE		TITLE	
				◻=0		3 PLACES ± --- ± ---		JDK		1991/01/11		MGRID, B/ENTRY RECEPT.	
						2 PLACES ± 0.20 ± ---		CHECKED BY		DATE		2.80MM HT. W/LOC. PEGS	
						1 PLACE ± --- ± ---		MLAI		1991/01/11		W/CAP, SMT	
						ANGULAR ± 3 °		APPROVED BY		DATE		MOLEX INCORPORATED	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MLONG		2010/03/19		SD-87263-***2*	
								MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
								SEE TABLE				3 OF 3	
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					