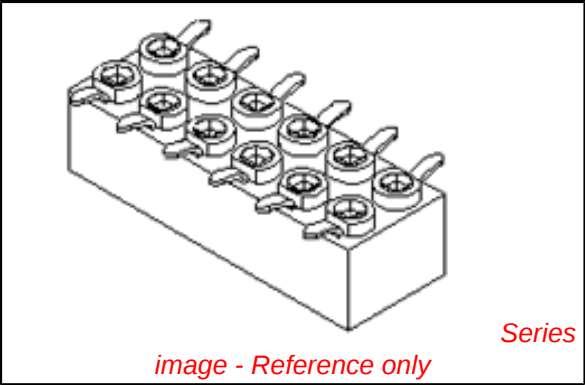


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0872633693](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Bottom Entry, 0.38µm (15µ") Gold (Au) Selective, 36 Circuits, with Pick-and- Place Cap, Tape on Reel, Leadfree

Documents:	
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 Name	Milli-Grid™
Physical	
Circuits (Loaded)	36
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	Embossed Tape on Reel
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
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-87263-**2*



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

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

This document was generated on 05/17/2010

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F

E

D

C

B

A

F

E

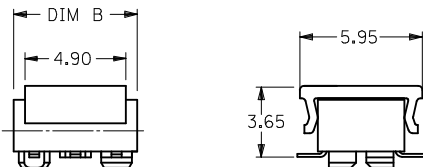
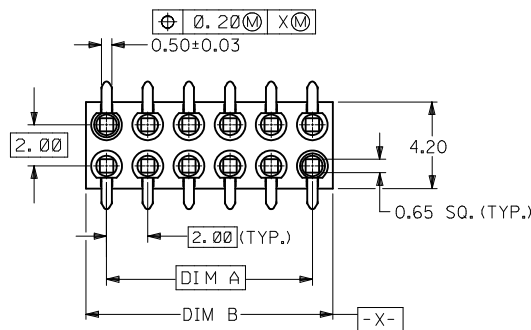
D

C

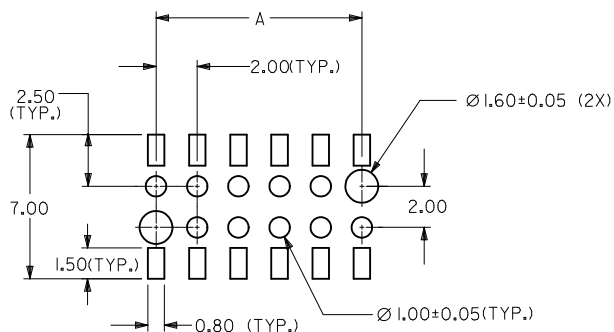
B

A

10 9 8 7 6 5 4 3 2 1



PARTS TO BE PACK WITH CAP (12 CKT SHOWN)



RECOMMENDED SOLDER PAD DESIGN

PART NO. LEGEND

87263 - * * * *

CIRCUIT SIZE

PLATING OPTION

3 - 0.38um MIN. GOLD

5 - 0.76um MIN. GOLD

6 - (0.13-0.38)um GOLD FLASH

PACKAGING

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

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

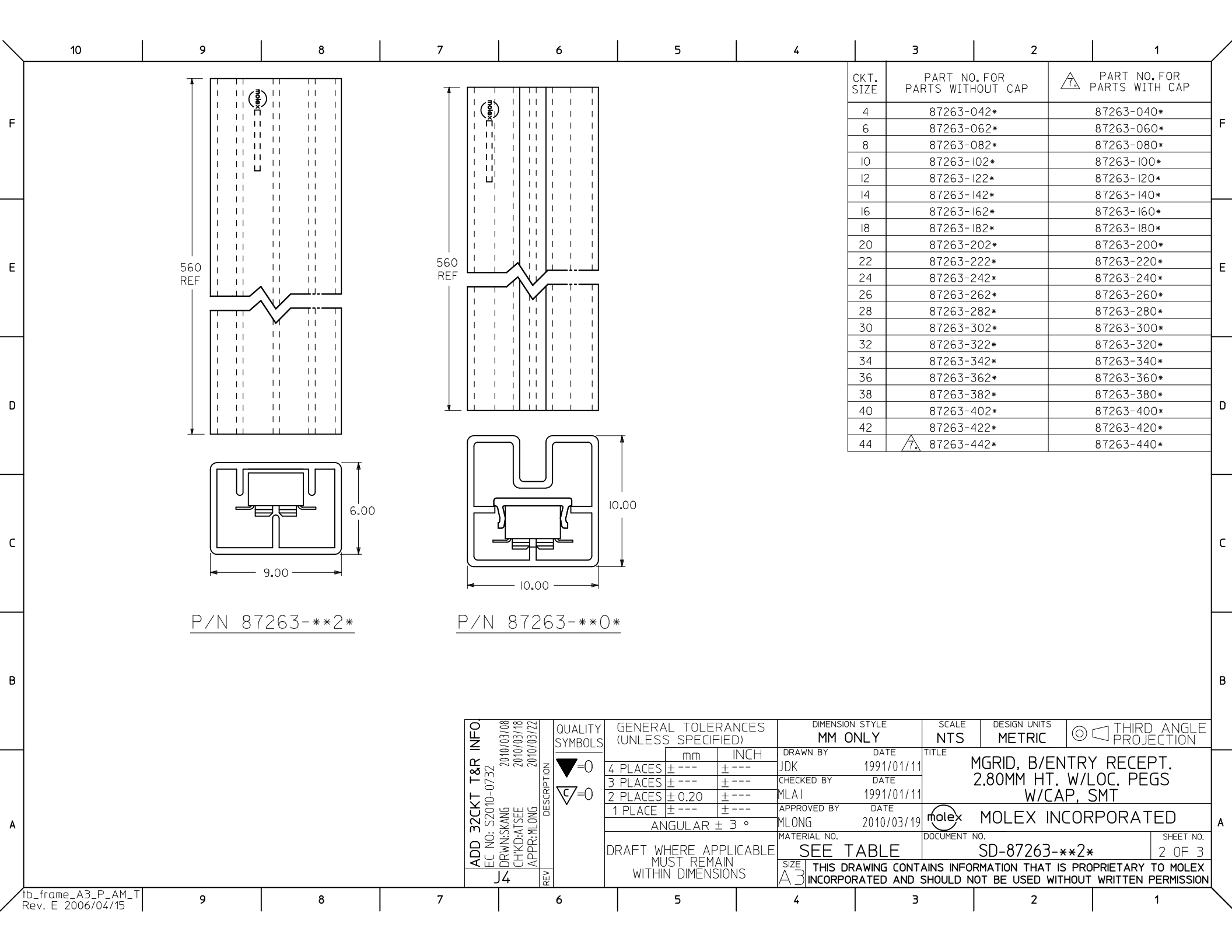
9 - W/CAP IN TAPE & REEL (SEE SHEET 3)

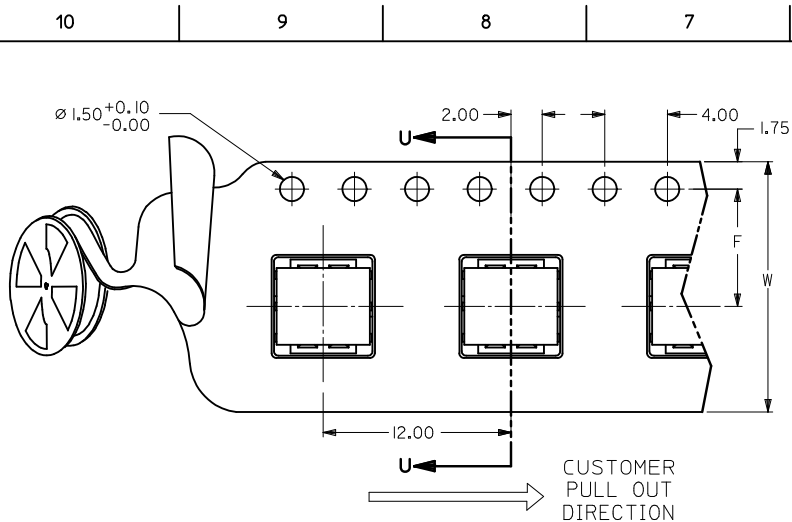
CKT. SIZE	DIM. A	DIM. B
4	2.00	4.00
6	4.00	6.00
8	6.00	8.00
10	8.00	10.00
12	10.00	12.00
14	12.00	14.00
16	14.00	16.00
18	16.00	18.00
20	18.00	20.00
22	20.00	22.00
24	22.00	24.00
26	24.00	26.00
28	26.00	28.00
30	28.00	30.00
32	30.00	32.00
34	32.00	34.00
36	34.00	36.00
38	36.00	38.00
40	38.00	40.00
42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

NOTES:

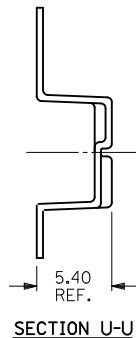
- FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART WITH 12 CIRCUIT SIZE.
- PLATING
POST-PLATING - SELECTIVE GOLD (SEE LEGEND) AT CONTACT AREA, AND 1.27um MIN. SELECTIVE TIN AT SOLDER AREA BOTH OVER 1.27um MIN. NICKEL OVERALL.
- CO-PLANARITY OF P.C TAIL TO BE MEASURED BY RESTING THE PART ON A FLAT GAGE SURFACE.
- 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	mm	INCH	DRAWN BY	DATE	TITLE MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT	MOLEX MOLEX INCORPORATED	SHEET NO. 1 OF 3
			4 PLACES	± --- ± ---	JDK	1991/01/11			
			3 PLACES	± --- ± ---	CHECKED BY	DATE			
			2 PLACES	± 0.20 ± ---	MLAI	1991/01/11			
1 PLACE	± --- ± ---	APPROVED BY	DATE	DOCUMENT NO.	SD-87263-***2*				
ANGULAR ± 3 °		MLONG	2010/03/19						
J4	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
			SEE TABLE						

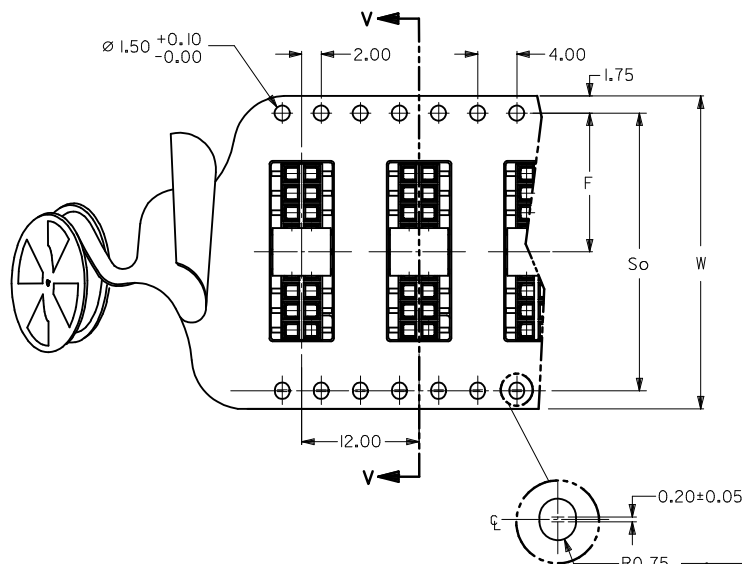




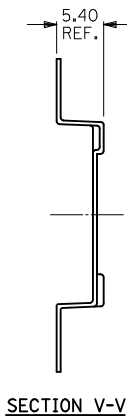
PART NO. 87263-***9* (CKTS 04 TO 14)
SINGLE SPROCKET HOLE T/REEL - TYPE A



SECTION U-U



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



SECTION V-V

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