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Part Number: [0878910306](#)
Status: **Active**
Overview: [kk](#)
Description: 2.54mm (.100") Pitch KK® Header, Through Hole, Breakaway, Vertical, 3 Circuits, 2.50µm (100µ") Tin (Sn) Overall Plating, Tray Packaging, Lead-free

Documents:

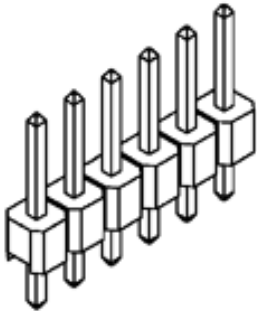
[3D Model](#) [Product Specification PS-87920-019 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Headers
Series [87891](#)
Application Board-to-Board, Wire-to-Board
Overview [kk](#)
Product Name KK®

Physical

Breakaway Yes
Circuits (Loaded) 3
Circuits (maximum) 3
Color - Resin Black
First Mate / Last Break No
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part None
Mated Height (in) 0.230 In
Mated Height (mm) 5.84 mm
Material - Metal Copper Alloy
Material - Plating Mating Tin
Material - Plating Termination Nickel
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.117 In
PC Tail Length (mm) 2.97 mm
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.063 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Pitch - Term. Interface (in) 0.100 In
Pitch - Term. Interface (mm) 2.54 mm
Plating min: Mating (µin) 100
Plating min: Mating (µm) 2.54
Plating min: Termination (µin) 50
Plating min: Termination (µm) 1.27
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable No
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Through Hole



Series

image - Reference only

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

[87891Series](#)

Mates With

KK® PCB Receptacles [4455](#). SL™ IDT
Housings [70430](#) , [7720](#), [70400](#). C-Grid®
PCB Receptacles [90147](#), [90148](#)

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	12
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

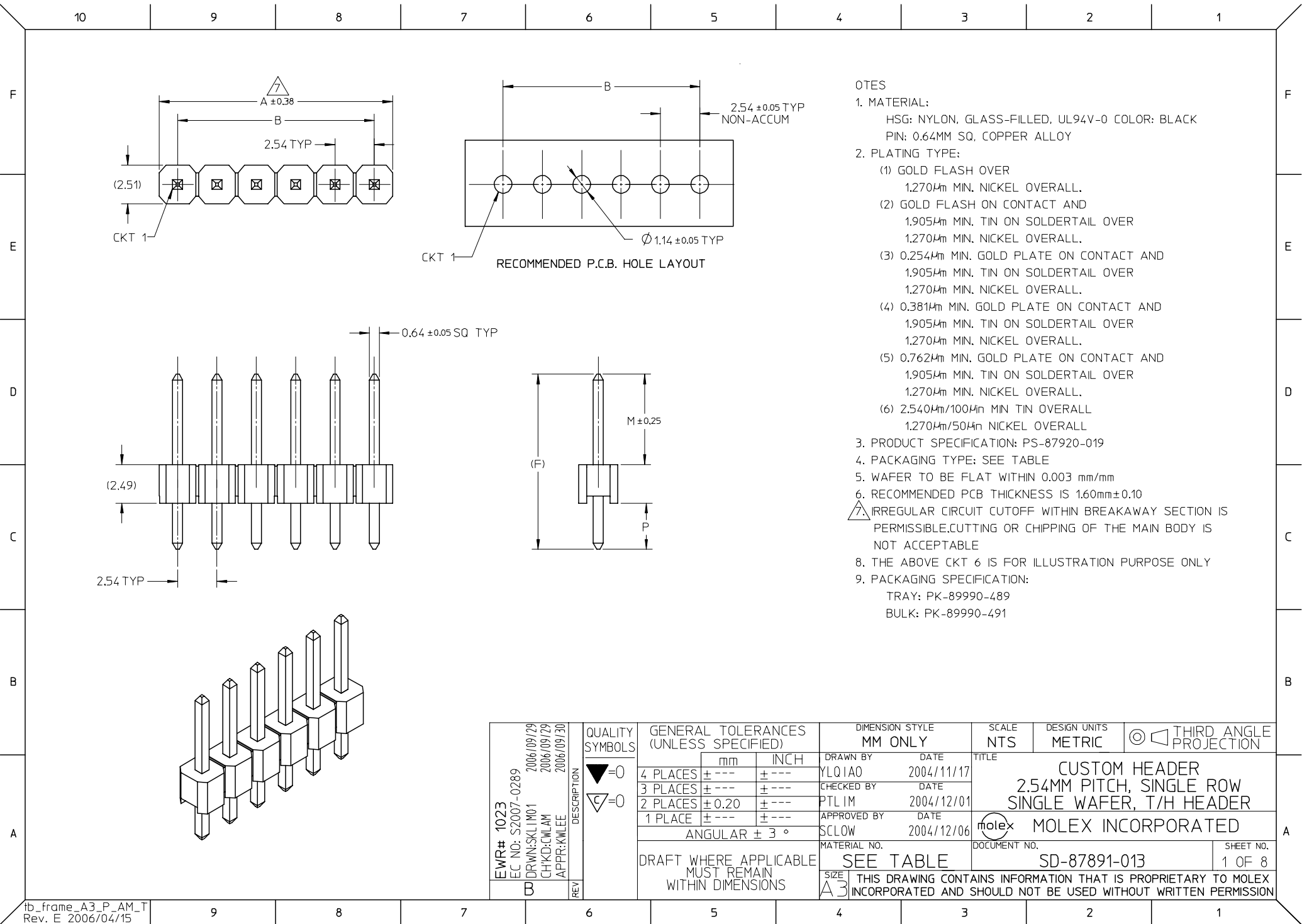
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-89990-489
Product Specification	PS-87920-019
Sales Drawing	SD-87891-013

This document was generated on 05/25/2010

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	10		9		8		7		6		5		4		3		2		1				
F	PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					F
	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	
87891-0101	-----	-----	1	-----	1	2.54	----	11.30	5.84	2.97	87891-0401	-----	-----	4	-----	1	10.16	7.62	11.30	5.84	2.97		
87891-0102	-----	-----	1	-----	2	2.54	----	11.30	5.84	2.97	87891-0412	-----	-----	4	-----	2	10.16	7.62	11.30	5.84	2.97		
87891-0103	-----	-----	1	-----	3	2.54	----	11.30	5.84	2.97	87891-0403	-----	-----	4	-----	3	10.16	7.62	11.30	5.84	2.97		
87891-0104	-----	-----	1	-----	4	2.54	----	11.30	5.84	2.97	87891-0404	-----	-----	4	-----	4	10.16	7.62	11.30	5.84	2.97		
87891-0105	-----	-----	1	-----	5	2.54	----	11.30	5.84	2.97	87891-0405	-----	-----	4	-----	5	10.16	7.62	11.30	5.84	2.97		
87891-0106	-----	-----	1	-----	6	2.54	----	11.30	5.84	2.97	87891-0406	-----	-----	4	-----	6	10.16	7.62	11.30	5.84	2.97		
E																					E		
87891-0201	-----	-----	2	-----	1	5.08	2.54	11.30	5.84	2.97	87891-0511	-----	-----	5	-----	1	12.70	10.16	11.30	5.84	2.97		
87891-0202	-----	-----	2	-----	2	5.08	2.54	11.30	5.84	2.97	87891-0512	-----	-----	5	-----	2	12.70	10.16	11.30	5.84	2.97		
87891-0203	-----	-----	2	-----	3	5.08	2.54	11.30	5.84	2.97	87891-0513	-----	-----	5	-----	3	12.70	10.16	11.30	5.84	2.97		
87891-0204	-----	-----	2	-----	4	5.08	2.54	11.30	5.84	2.97	87891-0514	-----	-----	5	-----	4	12.70	10.16	11.30	5.84	2.97		
87891-0205	-----	-----	2	-----	5	5.08	2.54	11.30	5.84	2.97	87891-0515	-----	-----	5	-----	5	12.70	10.16	11.30	5.84	2.97		
87891-0206	-----	-----	2	-----	6	5.08	2.54	11.30	5.84	2.97	87891-0506	-----	-----	5	-----	6	12.70	10.16	11.30	5.84	2.97		
D																					D		
87891-0301	-----	-----	3	-----	1	7.62	5.08	11.30	5.84	2.97	87891-0601	-----	-----	6	-----	1	15.24	12.70	11.30	5.84	2.97		
87891-0302	-----	-----	3	-----	2	7.62	5.08	11.30	5.84	2.97	87891-0612	-----	-----	6	-----	2	15.24	12.70	11.30	5.84	2.97		
87891-0303	-----	-----	3	-----	3	7.62	5.08	11.30	5.84	2.97	87891-0603	-----	-----	6	-----	3	15.24	12.70	11.30	5.84	2.97		
87891-0304	-----	-----	3	-----	4	7.62	5.08	11.30	5.84	2.97	87891-0604	-----	-----	6	-----	4	15.24	12.70	11.30	5.84	2.97		
87891-0305	-----	-----	3	-----	5	7.62	5.08	11.30	5.84	2.97	87891-0605	-----	-----	6	-----	5	15.24	12.70	11.30	5.84	2.97		
87891-0306	-----	-----	3	-----	6	7.62	5.08	11.30	5.84	2.97	87891-0606	-----	-----	6	-----	6	15.24	12.70	11.30	5.84	2.97		
B																					B		

A	EWB# 1023 EC NO: S2007-0289 DRWN:SKL IM01 2006/09/29 CHKD:CWLAM 2006/09/29 APPR:KWLEE 2006/09/30 B				DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		A
			DRAWN BY YLQIAO					DATE 2004/11/17		TITLE CUSTOM HEADER 2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER						
	4 PLACES ± --- ± ---		CHECKED BY					DATE								
	3 PLACES ± --- ± ---		PTL IM					2004/12/01								
	2 PLACES ± 0.20 ± ---		APPROVED BY					DATE		MOLEX INCORPORATED						
	1 PLACE ± --- ± ---		SCLOW					2004/12/06								
	ANGULAR ± 3 °		MATERIAL NO.					DOCUMENT NO.		SHEET NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					SD-87891-013		2 OF 8						
	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

	10	9	8	7	6	5	4	3	2	1														
F	PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION						
	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P		
	87891-0711	-----	-----	7	-----	1	17.78	15.24	11.30	5.84	2.97	87891-1001	-----	-----	10	-----	1	25.40	22.86	11.30	5.84	2.97	F	
	87891-0702	-----	-----	7	-----	2	17.78	15.24	11.30	5.84	2.97	87891-1002	-----	-----	10	-----	2	25.40	22.86	11.30	5.84	2.97		
	87891-0703	-----	-----	7	-----	3	17.78	15.24	11.30	5.84	2.97	87891-1003	-----	-----	10	-----	3	25.40	22.86	11.30	5.84	2.97		
	87891-0704	-----	-----	7	-----	4	17.78	15.24	11.30	5.84	2.97	87891-1004	-----	-----	10	-----	4	25.40	22.86	11.30	5.84	2.97		
	87891-0705	-----	-----	7	-----	5	17.78	15.24	11.30	5.84	2.97	87891-1005	-----	-----	10	-----	5	25.40	22.86	11.30	5.84	2.97		
87891-0706	-----	-----	7	-----	6	17.78	15.24	11.30	5.84	2.97	87891-1006	-----	-----	10	-----	6	25.40	22.86	11.30	5.84	2.97			
E																							E	
D	87891-0801	-----	-----	8	-----	1	20.32	17.78	11.30	5.84	2.97	87891-1101	-----	-----	11	-----	1	27.94	25.40	11.30	5.84	2.97		
	87891-0802	-----	-----	8	-----	2	20.32	17.78	11.30	5.84	2.97	87891-1102	-----	-----	11	-----	2	27.94	25.40	11.30	5.84	2.97		
	87891-0803	-----	-----	8	-----	3	20.32	17.78	11.30	5.84	2.97	87891-1103	-----	-----	11	-----	3	27.94	25.40	11.30	5.84	2.97		
	87891-0804	-----	-----	8	-----	4	20.32	17.78	11.30	5.84	2.97	87891-1104	-----	-----	11	-----	4	27.94	25.40	11.30	5.84	2.97		
	87891-0805	-----	-----	8	-----	5	20.32	17.78	11.30	5.84	2.97	87891-1105	-----	-----	11	-----	5	27.94	25.40	11.30	5.84	2.97	D	
	87891-0806	-----	-----	8	-----	6	20.32	17.78	11.30	5.84	2.97	87891-1106	-----	-----	11	-----	6	27.94	25.40	11.30	5.84	2.97		
C	87891-0901	-----	-----	9	-----	1	22.86	20.32	11.30	5.84	2.97	87891-1201	-----	-----	12	-----	1	30.48	27.94	11.30	5.84	2.97		
	87891-0902	-----	-----	9	-----	2	22.86	20.32	11.30	5.84	2.97	87891-1202	-----	-----	12	-----	2	30.48	27.94	11.30	5.84	2.97		
	87891-0903	-----	-----	9	-----	3	22.86	20.32	11.30	5.84	2.97	87891-1203	-----	-----	12	-----	3	30.48	27.94	11.30	5.84	2.97	C	
	87891-0904	-----	-----	9	-----	4	22.86	20.32	11.30	5.84	2.97	87891-1204	-----	-----	12	-----	4	30.48	27.94	11.30	5.84	2.97		
	87891-0905	-----	-----	9	-----	5	22.86	20.32	11.30	5.84	2.97	87891-1205	-----	-----	12	-----	5	30.48	27.94	11.30	5.84	2.97		
	87891-0906	-----	-----	9	-----	6	22.86	20.32	11.30	5.84	2.97	87891-1206	-----	-----	12	-----	6	30.48	27.94	11.30	5.84	2.97		
B																							B	
A	EWB# 1023 EC NO: S2007-0289 DRWNS:KLIW01 2006/09/29 CHKD:CWLM 2006/09/29 APPR:KWLEE 2006/09/30 QUALITY SYMBOLS ▽=0 ▽C=0 DESCRIPTION REV											GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					A
													mm	INCH	DRAWN BY YLQIAO		DATE 2004/11/17		CUSTOM HEADER 2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER					
												4 PLACES	± ---	± ---	CHECKED BY		DATE							
												3 PLACES	± ---	± ---	PTL IM		2004/12/01							
												2 PLACES	± 0.20	± ---	APPROVED BY		DATE							
												1 PLACE	± ---	± ---	SCLOW		2004/12/06							
												ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.			SHEET NO.				
												DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE			SD-87891-013			3 OF 8			
												SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
ib_frame_A3_P_AM_T Rev. E 2006/04/15												9	8	7	6	5	4	3	2	1				

	10	9	8	7	6	5	4	3	2	1													
F	PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					F
	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	
	87891-1301	-----	-----	13	-----	1	33.02	30.48	11.30	5.84	2.97	87891-1601	-----	-----	16	-----	1	40.64	38.10	11.30	5.84	2.97	
	87891-1302	-----	-----	13	-----	2	33.02	30.48	11.30	5.84	2.97	87891-1602	-----	-----	16	-----	2	40.64	38.10	11.30	5.84	2.97	
	87891-1303	-----	-----	13	-----	3	33.02	30.48	11.30	5.84	2.97	87891-1603	-----	-----	16	-----	3	40.64	38.10	11.30	5.84	2.97	
	87891-1304	-----	-----	13	-----	4	33.02	30.48	11.30	5.84	2.97	87891-1604	-----	-----	16	-----	4	40.64	38.10	11.30	5.84	2.97	
	87891-1305	-----	-----	13	-----	5	33.02	30.48	11.30	5.84	2.97	87891-1605	-----	-----	16	-----	5	40.64	38.10	11.30	5.84	2.97	
E	87891-1306	-----	-----	13	-----	6	33.02	30.48	11.30	5.84	2.97	87891-1606	-----	-----	16	-----	6	40.64	38.10	11.30	5.84	2.97	E
	87891-1401	-----	-----	14	-----	1	35.56	33.02	11.30	5.84	2.97	87891-1701	-----	-----	17	-----	1	43.18	40.64	11.30	5.84	2.97	
	87891-1402	-----	-----	14	-----	2	35.56	33.02	11.30	5.84	2.97	87891-1702	-----	-----	17	-----	2	43.18	40.64	11.30	5.84	2.97	
	87891-1403	-----	-----	14	-----	3	35.56	33.02	11.30	5.84	2.97	87891-1703	-----	-----	17	-----	3	43.18	40.64	11.30	5.84	2.97	
	87891-1404	-----	-----	14	-----	4	35.56	33.02	11.30	5.84	2.97	87891-1704	-----	-----	17	-----	4	43.18	40.64	11.30	5.84	2.97	
D	87891-1405	-----	-----	14	-----	5	35.56	33.02	11.30	5.84	2.97	87891-1705	-----	-----	17	-----	5	43.18	40.64	11.30	5.84	2.97	D
	87891-1406	-----	-----	14	-----	6	35.56	33.02	11.30	5.84	2.97	87891-1706	-----	-----	17	-----	6	43.18	40.64	11.30	5.84	2.97	
	87891-1501	-----	-----	15	-----	1	38.10	35.56	11.30	5.84	2.97	87891-1801	-----	-----	18	-----	1	45.72	43.18	11.30	5.84	2.97	
	87891-1502	-----	-----	15	-----	2	38.10	35.56	11.30	5.84	2.97	87891-1802	-----	-----	18	-----	2	45.72	43.18	11.30	5.84	2.97	
	87891-1503	-----	-----	15	-----	3	38.10	35.56	11.30	5.84	2.97	87891-1803	-----	-----	18	-----	3	45.72	43.18	11.30	5.84	2.97	
C	87891-1504	-----	-----	15	-----	4	38.10	35.56	11.30	5.84	2.97	87891-1804	-----	-----	18	-----	4	45.72	43.18	11.30	5.84	2.97	C
	87891-1505	-----	-----	15	-----	5	38.10	35.56	11.30	5.84	2.97	87891-1805	-----	-----	18	-----	5	45.72	43.18	11.30	5.84	2.97	
	87891-1506	-----	-----	15	-----	6	38.10	35.56	11.30	5.84	2.97	87891-1806	-----	-----	18	-----	6	45.72	43.18	11.30	5.84	2.97	
B																						B	
A	EWB# 1023 EC NO: S2007-0289 DRWNS:SKLIM01 CHKD:CWLAM APPR:KWLEE 2006/09/29 2006/09/29 2006/09/30 QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION REV 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 Y LQ1A0 2004/11/17 CHECKED BY DATE PTLIM 2004/12/01 APPROVED BY DATE SCLOW 2004/12/06 MATERIAL NO. SIZE A3 SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE CUSTOM HEADER 2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER MOLEX INCORPORATED DOCUMENT NO. SD-87891-013 SHEET NO. 4 OF 8 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					9	8	7	6	5	4	3	2	1									

ib_frame_A3_P_AM_T

Rev. E 2006/04/15

	10		9		8		7		6		5		4		3		2		1				
F	PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					F
	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	
87891-1901	-----	-----	19	-----	1	48.26	45.72	11.30	5.84	2.97	87891-2201	-----	-----	22	-----	1	55.88	53.34	11.30	5.84	2.97		
87891-1902	-----	-----	19	-----	2	48.26	45.72	11.30	5.84	2.97	87891-2202	-----	-----	22	-----	2	55.88	53.34	11.30	5.84	2.97		
87891-1903	-----	-----	19	-----	3	48.26	45.72	11.30	5.84	2.97	87891-2203	-----	-----	22	-----	3	55.88	53.34	11.30	5.84	2.97		
87891-1904	-----	-----	19	-----	4	48.26	45.72	11.30	5.84	2.97	87891-2204	-----	-----	22	-----	4	55.88	53.34	11.30	5.84	2.97		
87891-1905	-----	-----	19	-----	5	48.26	45.72	11.30	5.84	2.97	87891-2205	-----	-----	22	-----	5	55.88	53.34	11.30	5.84	2.97		
87891-1906	-----	-----	19	-----	6	48.26	45.72	11.30	5.84	2.97	87891-2206	-----	-----	22	-----	6	55.88	53.34	11.30	5.84	2.97		
E																						E	
87891-2001	-----	-----	20	-----	1	50.80	48.26	11.30	5.84	2.97	87891-2301	-----	-----	23	-----	1	58.42	55.88	11.30	5.84	2.97		
87891-2002	-----	-----	20	-----	2	50.80	48.26	11.30	5.84	2.97	87891-2302	-----	-----	23	-----	2	58.42	55.88	11.30	5.84	2.97		
87891-2003	-----	-----	20	-----	3	50.80	48.26	11.30	5.84	2.97	87891-2303	-----	-----	23	-----	3	58.42	55.88	11.30	5.84	2.97		
87891-2004	-----	-----	20	-----	4	50.80	48.26	11.30	5.84	2.97	87891-2304	-----	-----	23	-----	4	58.42	55.88	11.30	5.84	2.97		
87891-2005	-----	-----	20	-----	5	50.80	48.26	11.30	5.84	2.97	87891-2305	-----	-----	23	-----	5	58.42	55.88	11.30	5.84	2.97	D	
87891-2006	-----	-----	20	-----	6	50.80	48.26	11.30	5.84	2.97	87891-2306	-----	-----	23	-----	6	58.42	55.88	11.30	5.84	2.97		
87891-2101	-----	-----	21	-----	1	53.34	50.80	11.30	5.84	2.97	87891-2401	-----	-----	24	-----	1	60.96	58.42	11.30	5.84	2.97		
87891-2102	-----	-----	21	-----	2	53.34	50.80	11.30	5.84	2.97	87891-2402	-----	-----	24	-----	2	60.96	58.42	11.30	5.84	2.97		
87891-2103	-----	-----	21	-----	3	53.34	50.80	11.30	5.84	2.97	87891-2403	-----	-----	24	-----	3	60.96	58.42	11.30	5.84	2.97	C	
87891-2104	-----	-----	21	-----	4	53.34	50.80	11.30	5.84	2.97	87891-2404	-----	-----	24	-----	4	60.96	58.42	11.30	5.84	2.97		
87891-2105	-----	-----	21	-----	5	53.34	50.80	11.30	5.84	2.97	87891-2405	-----	-----	24	-----	5	60.96	58.42	11.30	5.84	2.97		
87891-2106	-----	-----	21	-----	6	53.34	50.80	11.30	5.84	2.97	87891-2406	-----	-----	24	-----	6	60.96	58.42	11.30	5.84	2.97		
B																							
																						B	

A	EWB# 1023 EC NO: S2007-0289 DRWN:SKLIM01 2006/09/29 CHKD:CWLM 2006/09/29 APPR:KWLEE 2006/09/30			DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	B	4 PLACES ± --- ± ---				DRAWN BY DATE YLQIAO 2004/11/17		TITLE CUSTOM HEADER 2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER					
		3 PLACES ± --- ± ---				CHECKED BY DATE							
		2 PLACES ± 0.20 ± ---				PTL IM 2004/12/01							
		1 PLACE ± --- ± ---				APPROVED BY DATE SCLOW 2004/12/06		molex MOLEX INCORPORATED					
ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	10	9	8	7	6	5	4	3	2	1								
	PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION											
	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P							
F	87891-2501	-----	-----	25	-----	1	63.50	60.96	11.30	5.84	2.97	F						
	87891-2502	-----	-----	25	-----	2	63.50	60.96	11.30	5.84	2.97							
	87891-2503	-----	-----	25	-----	3	63.50	60.96	11.30	5.84	2.97							
	87891-2504	-----	-----	25	-----	4	63.50	60.96	11.30	5.84	2.97							
	87891-2505	-----	-----	25	-----	5	63.50	60.96	11.30	5.84	2.97							
	87891-2506	-----	-----	25	-----	6	63.50	60.96	11.30	5.84	2.97							
E												E						
	-----	87891-2611	-----	26	-----	1	66.04	63.50	11.30	5.84	2.97							
	-----	87891-2602	-----	26	-----	2	66.04	63.50	11.30	5.84	2.97							
	-----	87891-2603	-----	26	-----	3	66.04	63.50	11.30	5.84	2.97							
	-----	87891-2604	-----	26	-----	4	66.04	63.50	11.30	5.84	2.97							
D	-----	87891-2605	-----	26	-----	5	66.04	63.50	11.30	5.84	2.97	D						
	-----	87891-2606	-----	26	-----	6	66.04	63.50	11.30	5.84	2.97							
	-----	87891-2701	-----	27	-----	1	68.58	66.04	11.30	5.84	2.97							
	-----	87891-2702	-----	27	-----	2	68.58	66.04	11.30	5.84	2.97							
C	-----	87891-2703	-----	27	-----	3	68.58	66.04	11.30	5.84	2.97	C						
	-----	87891-2704	-----	27	-----	4	68.58	66.04	11.30	5.84	2.97							
	-----	87891-2705	-----	27	-----	5	68.58	66.04	11.30	5.84	2.97							
	-----	87891-2706	-----	27	-----	6	68.58	66.04	11.30	5.84	2.97							
B												B						
A						QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
							mm	INCH	DRAWN BY YLQ1A0	DATE 2004/11/17	TITLE CUSTOM HEADER 2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER							
							4 PLACES ± ---	± ---	CHECKED BY	DATE 2004/12/01								
							3 PLACES ± ---	± ---	PTL IM	DATE 2004/12/06	MOLEX INCORPORATED							
							2 PLACES ± 0.20	± ---	APPROVED BY	DATE								
							1 PLACE ± ---	± ---	SCLOW	2004/12/06	SD-87891-013							
							ANGULAR ± 3 °		MATERIAL NO.	DOCUMENT NO.								
							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							
									SIZE A3									
	ib_frame_A3_P_AM_T Rev. E 2006/04/15	9	8	7	6	5	4	3	2	1								

	10		9		8		7		6		5		4		3		2		1				
F	PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					F
	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	
-----	87891-3101	-----	31	-----	1	78.74	76.20	11.30	5.84	2.97	-----	87891-3401	-----	34	-----	1	86.36	83.82	11.30	5.84	2.97	-----	
-----	87891-3102	-----	31	-----	2	78.74	76.20	11.30	5.84	2.97	-----	87891-3402	-----	34	-----	2	86.36	83.82	11.30	5.84	2.97	-----	
-----	87891-3103	-----	31	-----	3	78.74	76.20	11.30	5.84	2.97	-----	87891-3403	-----	34	-----	3	86.36	83.82	11.30	5.84	2.97	-----	
-----	87891-3104	-----	31	-----	4	78.74	76.20	11.30	5.84	2.97	-----	87891-3404	-----	34	-----	4	86.36	83.82	11.30	5.84	2.97	-----	
-----	87891-3105	-----	31	-----	5	78.74	76.20	11.30	5.84	2.97	-----	87891-3405	-----	34	-----	5	86.36	83.82	11.30	5.84	2.97	-----	
-----	87891-3106	-----	31	-----	6	78.74	76.20	11.30	5.84	2.97	-----	87891-3406	-----	34	-----	6	86.36	83.82	11.30	5.84	2.97	-----	
-----	87891-3201	-----	32	-----	1	81.28	78.74	11.30	5.84	2.97	-----	87891-3501	-----	35	-----	1	88.90	86.36	11.30	5.84	2.97	-----	
-----	87891-3202	-----	32	-----	2	81.28	78.74	11.30	5.84	2.97	-----	87891-3502	-----	35	-----	2	88.90	86.36	11.30	5.84	2.97	-----	
-----	87891-3203	-----	32	-----	3	81.28	78.74	11.30	5.84	2.97	-----	87891-3503	-----	35	-----	3	88.90	86.36	11.30	5.84	2.97	-----	
-----	87891-3204	-----	32	-----	4	81.28	78.74	11.30	5.84	2.97	-----	87891-3504	-----	35	-----	4	88.90	86.36	11.30	5.84	2.97	-----	
-----	87891-3205	-----	32	-----	5	81.28	78.74	11.30	5.84	2.97	-----	87891-3505	-----	35	-----	5	88.90	86.36	11.30	5.84	2.97	-----	
-----	87891-3206	-----	32	-----	6	81.28	78.74	11.30	5.84	2.97	-----	87891-3506	-----	35	-----	6	88.90	86.36	11.30	5.84	2.97	-----	
-----	87891-3301	-----	33	-----	1	83.82	81.28	11.30	5.84	2.97	-----	87891-3611	-----	36	-----	1	91.44	88.90	11.30	5.84	2.97	-----	
-----	87891-3302	-----	33	-----	2	83.82	81.28	11.30	5.84	2.97	-----	87891-3602	-----	36	-----	2	91.44	88.90	11.30	5.84	2.97	-----	
-----	87891-3303	-----	33	-----	3	83.82	81.28	11.30	5.84	2.97	-----	87891-3603	-----	36	-----	3	91.44	88.90	11.30	5.84	2.97	-----	
-----	87891-3304	-----	33	-----	4	83.82	81.28	11.30	5.84	2.97	-----	87891-3604	-----	36	-----	4	91.44	88.90	11.30	5.84	2.97	-----	
-----	87891-3305	-----	33	-----	5	83.82	81.28	11.30	5.84	2.97	-----	87891-3605	-----	36	-----	5	91.44	88.90	11.30	5.84	2.97	-----	
-----	87891-3306	-----	33	-----	6	83.82	81.28	11.30	5.84	2.97	-----	87891-3606	-----	36	-----	6	91.44	88.90	11.30	5.84	2.97	-----	

EWB# 1023

EC NO: S2007-0289

DRWNS:KLI M01

CHKD:CWJAM

APPR:KWLEE

2006/09/29

2006/09/29

2006/09/30

DESCRIPTION

REV

QUALITY SYMBOLS

▽=0

▽=0

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
YLQIAO	2004/11/17
CHECKED BY	DATE
PTL IM	2004/12/01
APPROVED BY	DATE
SCLOW	2004/12/06
MATERIAL NO.	

SEE TABLE

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE

CUSTOM HEADER
2.54MM PITCH, SINGLE ROW
SINGLE WAFER, T/H HEADER

MOLEX

MOLEX INCORPORATED

SD-87891-013

SHEET NO.
7 OF 8

	10	9	8	7	6	5	4	3	2	1		
	PACKAGING OPTION PART NO.			CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					
	TRAY	BULK	TUBE WITHOUT CAP				A	B	F	M	P	
F	-----	87891-3701	-----	37	-----	1	93.98	91.44	11.30	5.84	2.97	F
	-----	87891-3702	-----	37	-----	2	93.98	91.44	11.30	5.84	2.97	
	-----	87891-3703	-----	37	-----	3	93.98	91.44	11.30	5.84	2.97	
	-----	87891-3704	-----	37	-----	4	93.98	91.44	11.30	5.84	2.97	
	-----	87891-3705	-----	37	-----	5	93.98	91.44	11.30	5.84	2.97	
	-----	87891-3706	-----	37	-----	6	93.98	91.44	11.30	5.84	2.97	
E												E
	-----	87891-3801	-----	38	-----	1	96.52	93.98	11.30	5.84	2.97	
	-----	87891-3802	-----	38	-----	2	96.52	93.98	11.30	5.84	2.97	
	-----	87891-3803	-----	38	-----	3	96.52	93.98	11.30	5.84	2.97	
	-----	87891-3804	-----	38	-----	4	96.52	93.98	11.30	5.84	2.97	
D	-----	87891-3805	-----	38	-----	5	96.52	93.98	11.30	5.84	2.97	D
	-----	87891-3806	-----	38	-----	6	96.52	93.98	11.30	5.84	2.97	
	-----	87891-3901	-----	39	-----	1	99.06	96.52	11.30	5.84	2.97	
	-----	87891-3902	-----	39	-----	2	99.06	96.52	11.30	5.84	2.97	
C	-----	87891-3903	-----	39	-----	3	99.06	96.52	11.30	5.84	2.97	C
	-----	87891-3904	-----	39	-----	4	99.06	96.52	11.30	5.84	2.97	
	-----	87891-3905	-----	39	-----	5	99.06	96.52	11.30	5.84	2.97	
	-----	87891-3906	-----	39	-----	6	99.06	96.52	11.30	5.84	2.97	
B												B
A	EW R# 1023 EC NO: S2007-0289 DRWNS:KLI M01 2006/09/29 CHKD:CWJAM 2006/09/29 APPR:KWLEE 2006/09/30 DESCRIPTION REV QUALITY SYMBOLS ▽=0 ▽=0 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 YLQIAO DATE 2004/11/17 CHECKED BY DATE 2004/12/01 APPROVED BY DATE 2004/12/06 MATERIAL NO. SEE TABLE SIZE A3 SCALE NTS TITLE CUSTOM HEADER 2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-87891-013 SHEET NO. 8 OF 8 THIRD ANGLE PROJECTION ib_frame_A3_P_AM_T Rev. E 2006/04/15 9 8 7 6 5 4 3 2 1											