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Part Number:

0878980424

Status:

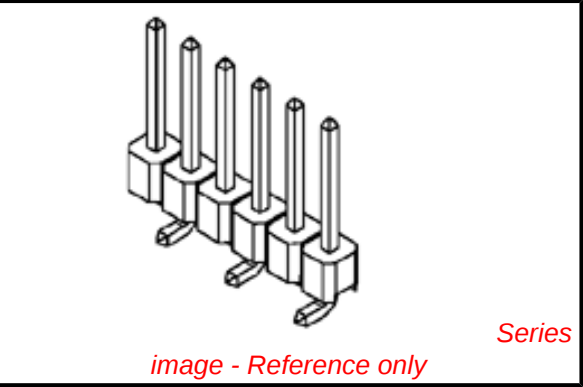
Active

Overview:

kk

Description:

2.54mm (.100") Pitch KK® Header, Surface Mount, Breakaway, Vertical, 4 Circuits, 0.38µm (15µ") Gold (Au) Plating, Tube Packaging, without Cap, Lead-free



Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	87898
Application	Board-to-Board, Wire-to-Board
Overview	kk
Product Name	KK®

Physical	
Breakaway	Yes
Circuits (Loaded)	4
Circuits (maximum)	4
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
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
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
Polarized to Mating Part	No
Polarized to PCB	No
Robotic Placement	None
Shrouded	No
Stackable	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

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

Material Info

Reference - Drawing Numbers	
Packaging Specification	PK-89990-545
Sales Drawing	SD-87898-001

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

87898Series

Mates With

KK® PCB Receptacles 4455. SL™ IDT

Housings 70430 , 7720, 70400. C-Grid®

PCB Receptacles 90147, 90148

This document was generated on 05/25/2010

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10 9 8 7 6 5 4 3 2 1

F

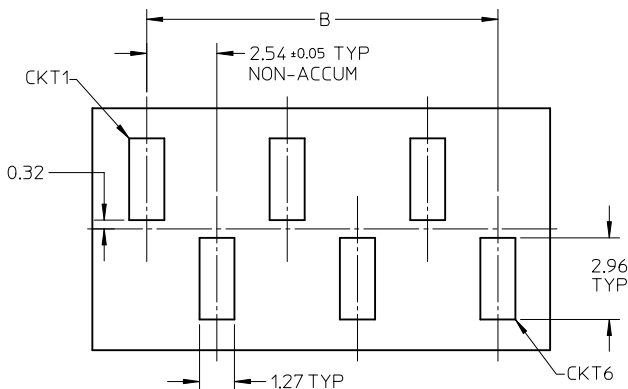
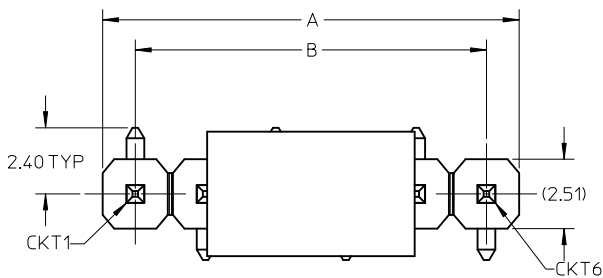
E

D

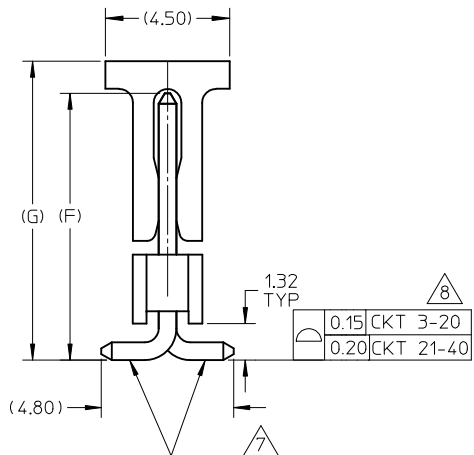
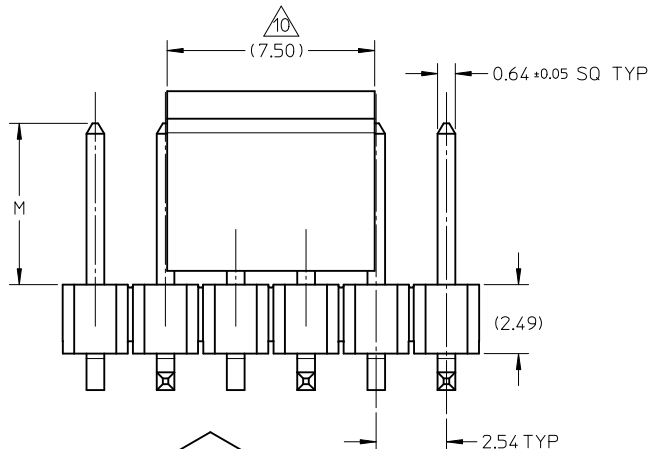
C

B

A



RECOMMENDED PCB LAYOUT: COMPONENT SIDE



NOTES:

1. MATERIAL:

HSG: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
PIN: 0.64MM SQ, COPPER ALLOY

2. PLATING TYPE:

- (1) GOLD FLASH OVER
1.25µm MIN. NICKEL OVERALL.
- (2) GOLD FLASH ON CONTACT AND
2.50µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
- (4) 0.38µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
- (5) 0.75µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
- (6) 2.50µm MIN. TIN OVERALL
1.25µm MIN. NICKEL OVERALL

3. PRODUCT SPECIFICATION: PS-87920-019

4. PACKAGING TYPE: SEE TABLE

5. PACKAGING SPEC:

TUBE WITH CAP VERSION: PK-89990-558
TUBE W/O CAP VERSION: PK-89990-545
EMBOSS TAPE WITH CAP: PK-89990-486

6. WAFER TO BE FLAT WITHIN 0.003 mm/mm

△ BEND DEPRESSION IS ACCEPTED SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL

△ 8. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE

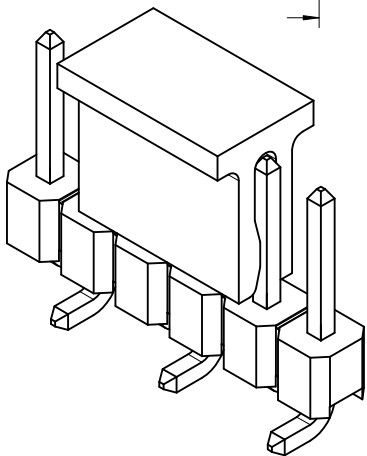
△ 9. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE

△ 10. CAP LOCATION IS CENTERED ALONG THE MATING ENDS AS SHOWN. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

11. RECOMMENDED PCB THICKNESS IS 1.60mm ± 0.10

12. THE ABOVE CKT 6 IS FOR ILLUSTRATION PURPOSE ONLY

13. TUBE LENGTH AS PER STANDARD 560mm



EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE 2010/05/20 CHKD:PTLIM 2010/03/29 APPR:MLONG 2010/06/08 REV B3	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY YLQIAO	DATE 2005/03/14	CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER			
				4 PLACES	± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29				
				3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2010/03/10				
				2 PLACES	± 0.2	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87898-001		SHEET NO. 1 OF 20	
				1 PLACE	± ---	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				ANGULAR ± 3 °								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

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						F			
	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP				A	B	G	F	M					
	-----	-----	87898-0421	87898-0431	-----	87898-0451	4	-----	1	10.16	7.62	10.81	9.65	5.84					
	-----	-----	87898-0422	87898-0432	-----	87898-0452	4	-----	2	10.16	7.62	10.81	9.65	5.84					
	-----	-----	87898-0424	87898-0434	-----	87898-0454	4	-----	4	10.16	7.62	10.81	9.65	5.84					
	-----	-----	87898-0425	87898-0435	-----	87898-0455	4	-----	5	10.16	7.62	10.81	9.65	5.84					
	-----	-----	87898-0426	87898-0436	-----	87898-0456	4	-----	6	10.16	7.62	10.81	9.65	5.84					
E																E			
	-----	-----	87898-0521	87898-0531	-----	87898-0551	5	-----	1	12.70	10.16	10.81	9.65	5.84					
D	-----	-----	87898-0522	87898-0532	-----	87898-0552	5	-----	2	12.70	10.16	10.81	9.65	5.84		D			
	-----	-----	87898-0524	87898-0534	-----	87898-0554	5	-----	4	12.70	10.16	10.81	9.65	5.84					
	-----	-----	87898-0525	87898-0535	-----	87898-0555	5	-----	5	12.70	10.16	10.81	9.65	5.84					
	-----	-----	87898-0526	87898-0536	-----	87898-0556	5	-----	6	12.70	10.16	10.81	9.65	5.84					
	-----	-----	87898-0621	87898-0631	-----	87898-0651	6	-----	1	15.24	12.70	10.81	9.65	5.84					
C	-----	-----	87898-0622	87898-0632	-----	87898-0652	6	-----	2	15.24	12.70	10.81	9.65	5.84	C				
	-----	-----	87898-0624	87898-0634	-----	87898-0654	6	-----	4	15.24	12.70	10.81	9.65	5.84					
	-----	-----	87898-0625	87898-0635	-----	87898-0655	6	-----	5	15.24	12.70	10.81	9.65	5.84					
	-----	-----	87898-0626	87898-0636	-----	87898-0656	6	-----	6	15.24	12.70	10.81	9.65	5.84					
B															B				
A															A				
	EWB#1228, +0209 EC NO: S2010-0966 DRWN:ATSE 2010/05/20 CHKD:PTLM 2005/03/29 APPR:MLONG 2010/06/08				QUALITY SYMBOLS =0 =0 =0 DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °		DIMENSION STYLE MM ONLY DRAWN BY YLQIAO CHECKED BY PTLIM APPROVED BY MLONG DATE 2005/03/14 DATE 2005/03/29 DATE 2010/03/10		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER		MOLEX INCORPORATED		SHEET NO. 3 OF 20	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			SD-87898-001		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
fb_frame_A3_P_AM_T Rev. F 2009/06/18											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					
	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP				A	B	G	F	M	
	-----	-----	87898-0721	87898-0731	-----	87898-0751	7	-----	1	17.78	15.24	10.81	9.65	5.84	
	-----	-----	87898-0722	87898-0732	-----	87898-0752	7	-----	2	17.78	15.24	10.81	9.65	5.84	
	-----	-----	87898-0724	87898-0734	-----	87898-0754	7	-----	4	17.78	15.24	10.81	9.65	5.84	
	-----	-----	87898-0725	87898-0735	-----	87898-0755	7	-----	5	17.78	15.24	10.81	9.65	5.84	
E	-----	-----	87898-0726	87898-0736	-----	87898-0756	7	-----	6	17.78	15.24	10.81	9.65	5.84	
	-----	-----	87898-0821	87898-0831	-----	87898-0851	8	-----	1	20.32	17.78	10.81	9.65	5.84	
	-----	-----	87898-0822	87898-0832	-----	87898-0852	8	-----	2	20.32	17.78	10.81	9.65	5.84	
	-----	-----	87898-0824	87898-0834	-----	87898-0854	8	-----	4	20.32	17.78	10.81	9.65	5.84	
D	-----	-----	87898-0825	87898-0835	-----	87898-0855	8	-----	5	20.32	17.78	10.81	9.65	5.84	
	-----	-----	87898-0826	87898-0836	-----	87898-0856	8	-----	6	20.32	17.78	10.81	9.65	5.84	
	-----	-----	87898-0921	87898-0931	-----	87898-0951	9	-----	1	22.86	20.32	10.81	9.65	5.84	
	-----	-----	87898-0922	87898-0932	-----	87898-0952	9	-----	2	22.86	20.32	10.81	9.65	5.84	
C	-----	-----	87898-0924	87898-0934	-----	87898-0954	9	-----	4	22.86	20.32	10.81	9.65	5.84	
	-----	-----	87898-0925	87898-0935	-----	87898-0955	9	-----	5	22.86	20.32	10.81	9.65	5.84	
	-----	-----	87898-0926	87898-0936	-----	87898-0956	9	-----	6	22.86	20.32	10.81	9.65	5.84	
B															
A															

EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE 2010/05/20 CHKD:PTLIM 2005/03/29 APPR:MLONG 2010/06/08 B3	QUALITY SYMBOLS F _A =0 F _G =0 F _P =0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY YLOIAO	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED	DOCUMENT NO. SD-87898-001	SHEET NO. 4 OF 20
				± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29			
				± 0.2	± ---	APPROVED BY MLONG	DATE 2010/03/10			
				± ---	± ---	MATERIAL NO.				
			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					

fb_frame_A3_P_AM_T	9	8	7	6	5	4	3	2	1
Rev. F 2009/06/18									

10		9		8		7		6		5		4		3		2		1			
PACKAGING OPTION PART NO.										CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION								
F	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP	A	B	G				F	M							
	-----	-----	87898-1021	87898-1031	-----	87898-1051	10	-----	1	25.40	22.86	10.81	9.65	5.84							
	-----	-----	87898-1022	87898-1032	-----	87898-1052	10	-----	2	25.40	22.86	10.81	9.65	5.84							
-----	-----	87898-1024	87898-1034	-----	87898-1054	10	-----	4	25.40	22.86	10.81	9.65	5.84								
-----	-----	87898-1025	87898-1035	-----	87898-1055	10	-----	5	25.40	22.86	10.81	9.65	5.84								
-----	-----	87898-1026	87898-1036	-----	87898-1056	10	-----	6	25.40	22.86	10.81	9.65	5.84								
E																					
	-----	-----	87898-1121	87898-1131	-----	87898-1151	11	-----	1	27.94	25.40	10.81	9.65		5.84						
-----	-----	87898-1122	87898-1132	-----	87898-1152	11	-----	2	27.94	25.40	10.81	9.65	5.84								
-----	-----	87898-1124	87898-1134	-----	87898-1154	11	-----	4	27.94	25.40	10.81	9.65	5.84								
-----	-----	87898-1125	87898-1135	-----	87898-1155	11	-----	5	27.94	25.40	10.81	9.65	5.84								
-----	-----	87898-1126	87898-1136	-----	87898-1156	11	-----	6	27.94	25.40	10.81	9.65	5.84								
D																					
	-----	-----	87898-1221	87898-1231	-----	87898-1251	12	-----	1	30.48	27.94	10.81	9.65	5.84							
-----	-----	87898-1222	87898-1232	-----	87898-1252	12	-----	2	30.48	27.94	10.81	9.65	5.84								
-----	-----	87898-1224	87898-1234	-----	87898-1254	12	-----	4	30.48	27.94	10.81	9.65	5.84								
-----	-----	87898-1225	87898-1235	-----	87898-1255	12	-----	5	30.48	27.94	10.81	9.65	5.84								
-----	-----	87898-1226	87898-1236	-----	87898-1256	12	-----	6	30.48	27.94	10.81	9.65	5.84								
C																					
B																					
A																					
										QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY			SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
EWR#1228, +0209 EC NO: S2010-0966 2010/05/20 DRWN:ATSE CHKD:PTLM 2005/03/29 APPR:MLONG 2010/06/08 REV DESCRIPTION										F=0		mm INCH		DRAWN BY DATE			TITLE		CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED SD-87898-001 SHEET NO. 5 OF 20		
										F=0		4 PLACES ± --- ± ---		YLQIAO 2005/03/14							
										F=0		3 PLACES ± --- ± ---		CHECKED BY DATE							
												2 PLACES ± 0.2 ± ---		PTLIM 2005/03/29							
												1 PLACE ± --- ± ---		APPROVED BY DATE							
										ANGULAR ± 3 °		MLONG 2010/03/10		MOLEX							
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.		DOCUMENT NO.					
										SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
fb_frame_A3_P_AM_T Rev. F 2009/06/18		9		8		7		6		5		4		3		2		1			

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

	10	9	8	7	6	5	4	3	2	1						
F	PACKAGING OPTION PART NO.						CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION						
	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP				A	B	G	F	M		
-----	-----	87898-1621	87898-1631	-----	87898-1651	16	-----	1	40.64	38.10	10.81	9.65	5.84			
-----	-----	87898-1622	87898-1632	-----	87898-1652	16	-----	2	40.64	38.10	10.81	9.65	5.84			
-----	-----	87898-1624	87898-1634	-----	87898-1654	16	-----	4	40.64	38.10	10.81	9.65	5.84			
-----	-----	87898-1625	87898-1635	-----	87898-1655	16	-----	5	40.64	38.10	10.81	9.65	5.84			
-----	-----	87898-1626	87898-1636	-----	87898-1656	16	-----	6	40.64	38.10	10.81	9.65	5.84			
E																
	-----	-----	87898-1721	87898-1731	-----	87898-1751	17	-----	1	43.18	40.64	10.81	9.65	5.84		
	-----	-----	87898-1722	87898-1732	-----	87898-1752	17	-----	2	43.18	40.64	10.81	9.65	5.84		
D	-----	-----	87898-1724	87898-1734	-----	87898-1754	17	-----	4	43.18	40.64	10.81	9.65	5.84		
	-----	-----	87898-1725	87898-1735	-----	87898-1755	17	-----	5	43.18	40.64	10.81	9.65	5.84		
	-----	-----	87898-1726	87898-1736	-----	87898-1756	17	-----	6	43.18	40.64	10.81	9.65	5.84		
C	-----	-----	87898-1821	87898-1831	-----	87898-1851	18	-----	1	45.72	43.18	10.81	9.65	5.84		
	-----	-----	87898-1822	87898-1832	-----	87898-1852	18	-----	2	45.72	43.18	10.81	9.65	5.84		
	-----	-----	87898-1824	87898-1834	-----	87898-1854	18	-----	4	45.72	43.18	10.81	9.65	5.84		
	-----	-----	87898-1825	87898-1835	-----	87898-1855	18	-----	5	45.72	43.18	10.81	9.65	5.84		
	-----	-----	87898-1826	87898-1836	-----	87898-1856	18	-----	6	45.72	43.18	10.81	9.65	5.84		
B																
A																
fb_frame_A3_P_AM_T Rev. F 2009/06/18																
	9	8	7	6	5	4	3	2	1							

EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE 2010/05/20 CHKD:PTLIM 2005/03/29 APPR:MLONG 2010/06/08	DESCRIPTION	REV	QUALITY SYMBOLS	F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE	CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER	MOLEX INCORPORATED	DOCUMENT NO. SD-87898-001	SHEET NO. 7 OF 20	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
						MM ONLY										
						DRAWN BY	DATE									
						CHECKED BY	DATE									
2 PLACES ± 0.2		PTLIM		2005/03/29		APPROVED BY		DATE		MLONG		2010/03/10				
1 PLACE ± ---		± ---		ANGULAR ± 3 °		MATERIAL NO.		SEE TABLE								
4 PLACES ± ---		± ---														
3 PLACES ± ---		± ---														

	10	9	8	7	6	5	4	3	2	1																																																																									
F	PACKAGING OPTION PART NO.						CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION																																																																									
	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP				A	B	G	F	M																																																																					
	-----	-----	87898-1921	87898-1931	-----	87898-1951	19	-----	1	48.26	45.72	10.81	9.65	5.84																																																																					
	-----	-----	87898-1922	87898-1932	-----	87898-1952	19	-----	2	48.26	45.72	10.81	9.65	5.84																																																																					
	-----	-----	87898-1924	87898-1934	-----	87898-1954	19	-----	4	48.26	45.72	10.81	9.65	5.84																																																																					
	-----	-----	87898-1925	87898-1935	-----	87898-1955	19	-----	5	48.26	45.72	10.81	9.65	5.84																																																																					
	-----	-----	87898-1926	87898-1936	-----	87898-1956	19	-----	6	48.26	45.72	10.81	9.65	5.84																																																																					
E																																																																																			
	-----	-----	87898-2021	87898-2031	-----	87898-2051	20	-----	1	50.80	48.26	10.81	9.65	5.84																																																																					
	-----	-----	87898-2022	87898-2032	-----	87898-2052	20	-----	2	50.80	48.26	10.81	9.65	5.84																																																																					
	-----	-----	87898-2024	87898-2034	-----	87898-2054	20	-----	4	50.80	48.26	10.81	9.65	5.84																																																																					
	-----	-----	87898-2025	87898-2035	-----	87898-2055	20	-----	5	50.80	48.26	10.81	9.65	5.84																																																																					
	-----	-----	87898-2026	87898-2036	-----	87898-2056	20	-----	6	50.80	48.26	10.81	9.65	5.84																																																																					
D																																																																																			
	-----	-----	87898-2121	87898-2131	-----	87898-2151	21	-----	1	53.34	50.80	10.81	9.65	5.84																																																																					
	-----	-----	87898-2122	87898-2132	-----	87898-2152	21	-----	2	53.34	50.80	10.81	9.65	5.84																																																																					
	-----	-----	87898-2124	87898-2134	-----	87898-2154	21	-----	4	53.34	50.80	10.81	9.65	5.84																																																																					
C	-----	-----	87898-2125	87898-2135	-----	87898-2155	21	-----	5	53.34	50.80	10.81	9.65	5.84																																																																					
	-----	-----	87898-2126	87898-2136	-----	87898-2156	21	-----	6	53.34	50.80	10.81	9.65	5.84																																																																					
B																																																																																			
A																																																																																			
<table><tr><td rowspan="5">EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSE 2010/05/20 CHKD:PTLM 2005/03/29 APPR:MLONG 2010/06/08 B3</td><td rowspan="5">REV DESCRIPTION</td><td>QUALITY SYMBOLS</td><td>GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="4"> </td><td></td><td>mm</td><td>INCH</td><td>DRAWN BY</td><td>DATE</td><td rowspan="4">TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>YLQIAO</td><td>2005/03/14</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>PTLIM</td><td>2005/03/29</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td colspan="3">ANGULAR ± 3 °</td><td>MLONG</td><td>2010/03/10</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td><td>SHEET NO.</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE TABLE</td><td colspan="3">SD-87898-001</td><td colspan="2">8 OF 20</td></tr><tr><td colspan="3"></td><td colspan="2">SIZE A3</td><td colspan="7">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>															EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSE 2010/05/20 CHKD:PTLM 2005/03/29 APPR:MLONG 2010/06/08 B3	REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		 		mm	INCH	DRAWN BY	DATE	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED	4 PLACES	± ---	± ---	YLQIAO	2005/03/14	3 PLACES	± ---	± ---	CHECKED BY	DATE	2 PLACES	± 0.2	± ---	PTLIM	2005/03/29	1 PLACE	± ---	± ---	APPROVED BY	DATE	ANGULAR ± 3 °			MLONG	2010/03/10	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-87898-001			8 OF 20					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
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10		9		8		7		6		5		4		3		2		1								
PACKAGING OPTION PART NO.																		CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					
F	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP	A					B	G	F	M											
	-----	-----	87898-2221	87898-2231	-----	-----	22	-----	1	55.88	53.34	10.81	9.65	5.84												
	-----	-----	87898-2222	87898-2232	-----	-----	22	-----	2	55.88	53.34	10.81	9.65	5.84												
-----	-----	87898-2224	87898-2234	-----	-----	22	-----	4	55.88	53.34	10.81	9.65	5.84													
-----	-----	87898-2225	87898-2235	-----	-----	22	-----	5	55.88	53.34	10.81	9.65	5.84													
-----	-----	87898-2226	87898-2236	-----	-----	22	-----	6	55.88	53.34	10.81	9.65	5.84													
-----	-----	87898-2321	87898-2331	-----	-----	23	-----	1	58.42	55.88	10.81	9.65	5.84													
-----	-----	87898-2322	87898-2332	-----	-----	23	-----	2	58.42	55.88	10.81	9.65	5.84													
-----	-----	87898-2324	87898-2334	-----	-----	23	-----	4	58.42	55.88	10.81	9.65	5.84													
-----	-----	87898-2325	87898-2335	-----	-----	23	-----	5	58.42	55.88	10.81	9.65	5.84													
-----	-----	87898-2326	87898-2336	-----	-----	23	-----	6	58.42	55.88	10.81	9.65	5.84													
-----	-----	87898-2421	87898-2431	-----	-----	24	-----	1	60.96	58.42	10.81	9.65	5.84													
-----	-----	87898-2422	87898-2432	-----	-----	24	-----	2	60.96	58.42	10.81	9.65	5.84													
-----	-----	87898-2424	87898-2434	-----	-----	24	-----	4	60.96	58.42	10.81	9.65	5.84													
-----	-----	87898-2425	87898-2435	-----	-----	24	-----	5	60.96	58.42	10.81	9.65	5.84													
-----	-----	87898-2426	87898-2436	-----	-----	24	-----	6	60.96	58.42	10.81	9.65	5.84													
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		10		9		8		7		6		5		4		3		2		1			
		PACKAGING OPTION PART NO.						CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION												
		TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP				A	B	G	F	M								
F		-----	-----	87898-2521	87898-2531	-----	-----	25	-----	1	63.50	60.96	10.81	9.65	5.84								
		-----	-----	87898-2522	87898-2532	-----	-----	25	-----	2	63.50	60.96	10.81	9.65	5.84								
		-----	-----	87898-2524	87898-2534	-----	-----	25	-----	4	63.50	60.96	10.81	9.65	5.84								
		-----	-----	87898-2525	87898-2535	-----	-----	25	-----	5	63.50	60.96	10.81	9.65	5.84								
		-----	-----	87898-2526	87898-2536	-----	-----	25	-----	6	63.50	60.96	10.81	9.65	5.84								
E																							
		-----	-----	87898-2621	87898-2631	-----	-----	26	-----	1	66.04	63.50	10.81	9.65	5.84								
D		-----	-----	87898-2622	87898-2632	-----	-----	26	-----	2	66.04	63.50	10.81	9.65	5.84								
		-----	-----	87898-2624	87898-2634	-----	-----	26	-----	4	66.04	63.50	10.81	9.65	5.84								
		-----	-----	87898-2625	87898-2635	-----	-----	26	-----	5	66.04	63.50	10.81	9.65	5.84								
		-----	-----	87898-2626	87898-2636	-----	-----	26	-----	6	66.04	63.50	10.81	9.65	5.84								
		-----	-----	87898-2721	87898-2731	-----	-----	27	-----	1	68.58	66.04	10.81	9.65	5.84								
C		-----	-----	87898-2722	87898-2732	-----	-----	27	-----	2	68.58	66.04	10.81	9.65	5.84								
		-----	-----	87898-2724	87898-2734	-----	-----	27	-----	4	68.58	66.04	10.81	9.65	5.84								
		-----	-----	87898-2725	87898-2735	-----	-----	27	-----	5	68.58	66.04	10.81	9.65	5.84								
		-----	-----	87898-2726	87898-2736	-----	-----	27	-----	6	68.58	66.04	10.81	9.65	5.84								
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		fb_frame_A3_P_AM_T Rev. F 2009/06/18		9		8		7		6		5		4		3		2		1			

EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSE 2010/05/20 CHKD:PTLM 2005/03/29 APPR:MLONG 2010/06/08 B3	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		 =0 =0 =0	4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.2 1 PLACE ± ---	mm ± --- ± --- ± ---	INCH ± --- ± --- ± ---	DRAWN BY YLQIAO	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED		
						CHECKED BY PTLIM	DATE 2005/03/29			
						APPROVED BY MLONG	DATE 2010/03/10			
						MATERIAL NO. SEE TABLE			DOCUMENT NO. SD-87898-001	SHEET NO. 10 OF 20
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																																																																									
F	PACKAGING OPTION PART NO.						CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION																																																																									
	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP				A	B	G	F	M																																																																					
	-----	-----	87898-2821	87898-2831	-----	-----	28	-----	1	71.12	68.58	10.81	9.65	5.84																																																																					
	-----	-----	87898-2822	87898-2832	-----	-----	28	-----	2	71.12	68.58	10.81	9.65	5.84																																																																					
	-----	-----	87898-2824	87898-2834	-----	-----	28	-----	4	71.12	68.58	10.81	9.65	5.84																																																																					
	-----	-----	87898-2825	87898-2835	-----	-----	28	-----	5	71.12	68.58	10.81	9.65	5.84																																																																					
	-----	-----	87898-2826	87898-2836	-----	-----	28	-----	6	71.12	68.58	10.81	9.65	5.84																																																																					
E																																																																																			
	-----	-----	87898-2921	87898-2931	-----	-----	29	-----	1	73.66	71.12	10.81	9.65	5.84																																																																					
	-----	-----	87898-2922	87898-2932	-----	-----	29	-----	2	73.66	71.12	10.81	9.65	5.84																																																																					
	-----	-----	87898-2924	87898-2934	-----	-----	29	-----	4	73.66	71.12	10.81	9.65	5.84																																																																					
	-----	-----	87898-2925	87898-2935	-----	-----	29	-----	5	73.66	71.12	10.81	9.65	5.84																																																																					
D	-----	-----	87898-2926	87898-2936	-----	-----	29	-----	6	73.66	71.12	10.81	9.65	5.84																																																																					
	-----	-----	87898-3021	87898-3031	-----	-----	30	-----	1	76.20	73.66	10.81	9.65	5.84																																																																					
	-----	-----	87898-3022	87898-3032	-----	-----	30	-----	2	76.20	73.66	10.81	9.65	5.84																																																																					
	-----	-----	87898-3024	87898-3034	-----	-----	30	-----	4	76.20	73.66	10.81	9.65	5.84																																																																					
C	-----	-----	87898-3025	87898-3035	-----	-----	30	-----	5	76.20	73.66	10.81	9.65	5.84																																																																					
	-----	-----	87898-3026	87898-3036	-----	-----	30	-----	6	76.20	73.66	10.81	9.65	5.84																																																																					
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<table><tr><td rowspan="4">EWB#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE CHKD:PTLIM APPR:MLONG</td><td rowspan="4">DESCRIPTION REV</td><td rowspan="4">QUALITY SYMBOLS F=0 F=0 F=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>DRAWN BY</td><td>DATE</td><td colspan="3" rowspan="2">CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>PTLIM</td><td>2005/03/29</td><td colspan="3" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">MATERIAL NO.</td><td colspan="2">SEE TABLE</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SD-87898-001</td><td colspan="2">SHEET NO. 11 OF 20</td></tr><tr><td colspan="3">B3</td><td colspan="2">SIZE A3</td><td colspan="7">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>																EWB#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE CHKD:PTLIM APPR:MLONG	DESCRIPTION REV	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION								4 PLACES	± ---	± ---	DRAWN BY	DATE	CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER			3 PLACES	± ---	± ---	CHECKED BY	DATE	2 PLACES	± 0.2	± ---	PTLIM	2005/03/29	MOLEX INCORPORATED			1 PLACE	± ---	± ---	APPROVED BY	DATE	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		SEE TABLE		DOCUMENT NO.		SD-87898-001		SHEET NO. 11 OF 20		B3			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
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2 PLACES	± 0.2	± ---	PTLIM	2005/03/29	MOLEX INCORPORATED																																																																														
1 PLACE	± ---	± ---	APPROVED BY	DATE																																																																															
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B3			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																														
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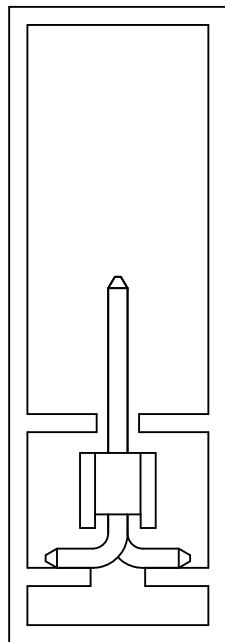
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	PACKAGING OPTION PART NO.						CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION																																																																		
	TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP				A	B	G	F	M																																																														
F	-----	-----	87898-3721	87898-3731	-----	-----	37	-----	1	93.98	91.44	10.81	9.65	5.84	F																																																													
	-----	-----	87898-3722	87898-3732	-----	-----	37	-----	2	93.98	91.44	10.81	9.65	5.84																																																														
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	-----	-----	87898-3725	87898-3735	-----	-----	37	-----	5	93.98	91.44	10.81	9.65	5.84																																																														
	-----	-----	87898-3726	87898-3736	-----	-----	37	-----	6	93.98	91.44	10.81	9.65	5.84																																																														
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	-----	-----	87898-3821	87898-3831	-----	-----	38	-----	1	96.52	93.98	10.81	9.65	5.84																																																														
	-----	-----	87898-3822	87898-3832	-----	-----	38	-----	2	96.52	93.98	10.81	9.65	5.84																																																														
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	-----	-----	87898-3825	87898-3835	-----	-----	38	-----	5	96.52	93.98	10.81	9.65	5.84																																																														
D	-----	-----	87898-3826	87898-3836	-----	-----	38	-----	6	96.52	93.98	10.81	9.65	5.84	D																																																													
	-----	-----	87898-3921	87898-3931	-----	-----	39	-----	1	99.06	96.52	10.81	9.65	5.84																																																														
	-----	-----	87898-3922	87898-3932	-----	-----	39	-----	2	99.06	96.52	10.81	9.65	5.84																																																														
	-----	-----	87898-3924	87898-3934	-----	-----	39	-----	4	99.06	96.52	10.81	9.65	5.84																																																														
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	-----	-----	87898-3926	87898-3936	-----	-----	39	-----	6	99.06	96.52	10.81	9.65	5.84																																																														
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<table><tr><td rowspan="5">EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE 2010/05/20 CHKDPTLIM 2005/03/29 APPR:MLONG 2010/06/08 B3</td><td rowspan="5">DESCRIPTION REV</td><td>QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE NTS</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="4">$\nabla=0$ $\nabla=0$ $\nabla=0$</td><td></td><td></td><td>DRAWN BY</td><td>DATE</td><td rowspan="4">TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED</td></tr><tr><td>4 PLACES</td><td>$\pm \text{---}$</td><td>$\pm \text{---}$</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td>3 PLACES</td><td>$\pm \text{---}$</td><td>$\pm \text{---}$</td><td>PTLIM</td><td>2005/03/29</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>$\pm \text{---}$</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td colspan="2">1 PLACE</td><td>$\pm \text{---}$</td><td>$\pm \text{---}$</td><td>MLONG</td><td>2010/03/10</td><td>MATERIAL NO.</td><td>DOCUMENT NO.</td><td colspan="2"></td></tr><tr><td colspan="2">ANGULAR $\pm 3^\circ$</td><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE TABLE</td><td colspan="2">SD-87898-001</td><td colspan="2">SHEET NO. 14 OF 20</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td colspan="2"></td></tr></table>															EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE 2010/05/20 CHKDPTLIM 2005/03/29 APPR:MLONG 2010/06/08 B3	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		$\nabla=0$ $\nabla=0$ $\nabla=0$			DRAWN BY	DATE	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED	4 PLACES	$\pm \text{---}$	$\pm \text{---}$	CHECKED BY	DATE	3 PLACES	$\pm \text{---}$	$\pm \text{---}$	PTLIM	2005/03/29	2 PLACES	± 0.2	$\pm \text{---}$	APPROVED BY	DATE	1 PLACE		$\pm \text{---}$	$\pm \text{---}$	MLONG	2010/03/10	MATERIAL NO.	DOCUMENT NO.			ANGULAR $\pm 3^\circ$		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87898-001		SHEET NO. 14 OF 20								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE 2010/05/20 CHKDPTLIM 2005/03/29 APPR:MLONG 2010/06/08 B3	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																																																			
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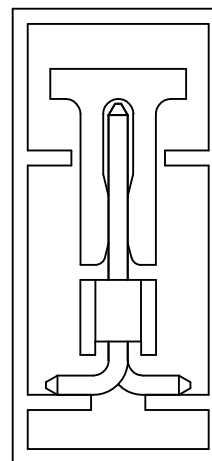
tb_frame_A3_P_AM_T
Rev. F 2009/06/18

10 9 8 7 6 5 4 3 2 1

PART WITHOUT CAP
IN TUBE ORIENTATION



PART WITH CAP
IN TUBE ORIENTATION

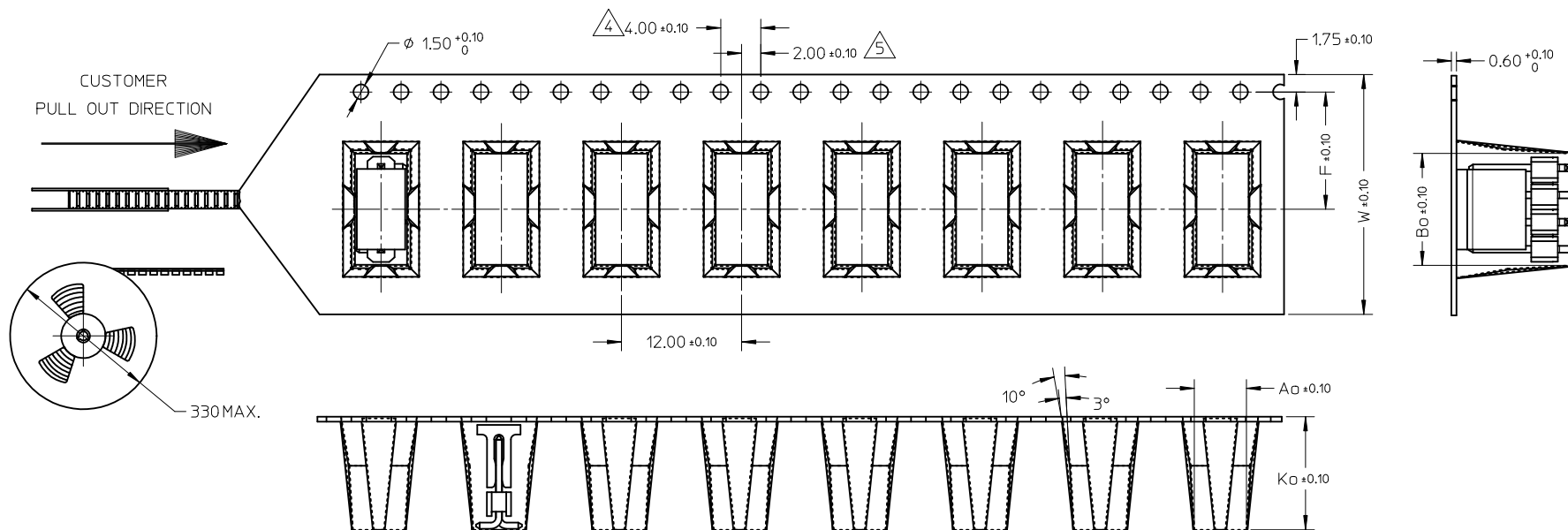


EWR#1228, +0209 EC NO: S2010-0966 2010/05/20 DRWN:ATSEE 2005/03/29 CHKD:PTLIM APPR:MLONG 2010/06/08				DESCRIPTION REV	QUALITY SYMBOLS ▽_A=0 ▽_B=0 ▽_C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
								MM ONLY						
						mm		INCH		DRAWN BY DATE			TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER	
						4 PLACES ± --- ± ---		YLOIAO 2005/03/14						
3 PLACES ± --- ± ---		CHECKED BY DATE		APPROVED BY DATE		MOLEX INCORPORATED								
2 PLACES ± 0.2 ± ---		PTLIM 2005/03/29												
1 PLACE ± --- ± ---		MLONG 2010/03/10		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
ANGULAR ± 3 °		SEE TABLE		SD-87898-001		16 OF 20								
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

CKT	DIMENSION				
	Bo	Ao	Ko	F	W
2	8.02	5.20	13.60	11.50	24.00
4	10.55	5.20	11.30	11.50	24.00

EMBOSSED CARRIER TYPE 'A'



NOTES:

1. LEADER AND TRAILER TAPE

160 MIN. TOP TAPE TRAILER

390 MIN TOP TAPE NON BONDED TAPE

160 MIN. TAIL PART (EMPTY)

230 MIN. LEADER PART (EMPTY)

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

PEEL OFF DIRECTION

15° MAX.

PULL OUT DIRECTION

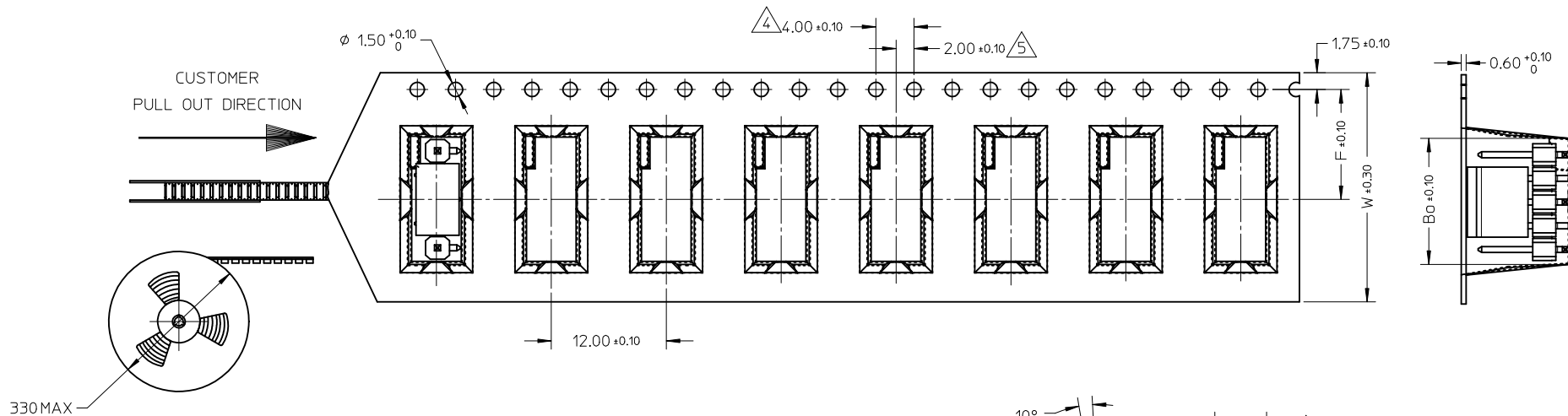
- MATERIAL: BLACK P.S CONDUCTIVE, BLACK
- MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
- CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS $\pm 0.20\text{mm}$
- A0 AND B0 ARE MEASURED FROM ABOVE POCKET BASE 0.30mm
- TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
- TAPE AND REEL QUANTITY : 440PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.
- ALL RADIUS ARE 0.30MM UNLESS SPECIFY
- SURFACE RESISTIVITY 10^3 TO 10^9 OHMS.

PART PACK IN E/TAPE ORIENTATION (FOR REF USE)

EWR#1228, +0209 EC NO: S2010-0966 DRWN:ATSEE CHKD:PTLIM APPR:MLONG REV B3	2010/05/20 2005/03/29 2010/06/08	DESCRIPTION	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY YLOIAO	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER				
				4 PLACES	± ---	± ---	CHECKED BY PTLIM					DATE 2005/03/29
				3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2010/03/10	molex MOLEX INCORPORATED			
				2 PLACES	± 0.2	± ---	MATERIAL NO. SEE TABLE					
				1 PLACE	± ---	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
ANGULAR ± 3 °												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE A3								

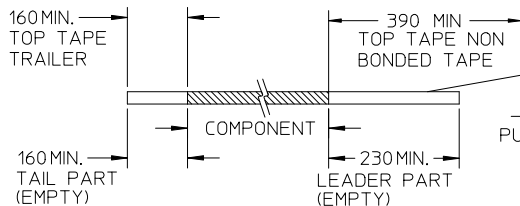
10 9 8 7 6 5 4 3 2 1

CKT	DIMENSION				
	Bo	Ao	Ko	F	W
5	13.10	5.20	11.30	11.50	24.00

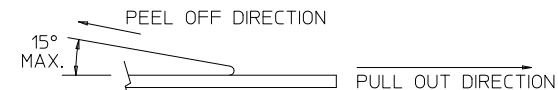


NOTES:

1. LEADER AND TRAILER TAPE



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

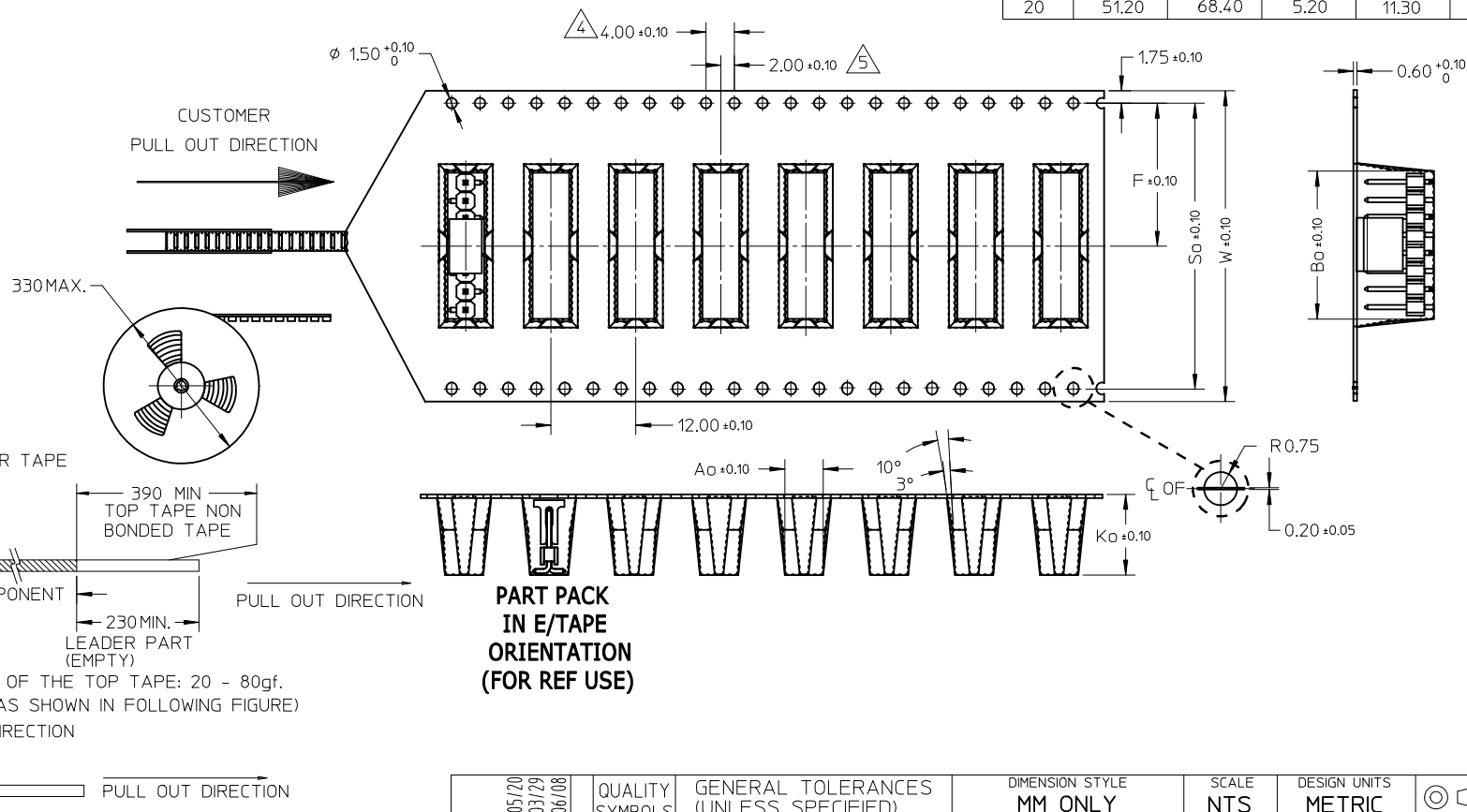


3. MATERIAL: BLACK P.S CONDUCTIVE, BLACK
4. MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
5. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS $\pm 0.20\text{mm}$
6. A0 AND B0 ARE MEASURED FROM ABOVE POCKET BASE 0.30mm
7. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
8. TAPE AND REEL QUANTITY : 440PCS/REEL
9. THE TAPE IS TREATED FOR ANTI-STATIC.
10. ALL RADIUS ARE 0.30MM UNLESS SPECIFY
11. SURFACE RESISTIVITY 10^3 TO 10^9 OHMS.

PART PACK
IN E/TAPE
ORIENTATION
(FOR REF USE)

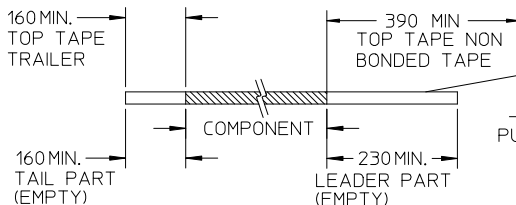
EWR#1228, +0209 EC NO: S2010-0966 DRAWN:ATSEE CHKD:PTL IM B3	2010/05/20 2005/03/29 CHKD:PTL IM APPR:MLONG	DESCRIPTION REV	QUALITY SYMBOLS F=0 G=0 P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY YLO1A0	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER		
				4 PLACES	± ---	± ---	CHECKED BY PTL IM	DATE 2005/03/29			
				3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2010/03/10			
				2 PLACES	± 0.2	± ---	DOCUMENT NO.				
				1 PLACE	± ---	± ---	MOLEX MOLEX INCORPORATED				
				ANGULAR ± 3 °		MATERIAL NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87898-001		18 OF 20					
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

CKT	DIMENSION					
	Bo	So	Ao	Ko	F	W
6	15.65	28.40	5.20	11.30	14.20	32.00
8	20.70	40.40	5.20	11.30	20.20	44.00
10	25.80	40.40	5.20	11.30	20.20	44.00
12	30.90	52.40	5.20	11.30	26.20	56.00
14	35.95	52.40	5.20	11.30	26.20	56.00
16	41.05	52.40	5.20	11.30	26.20	56.00
18	46.20	68.40	5.20	11.30	34.20	72.00
20	51.20	68.40	5.20	11.30	34.20	72.00

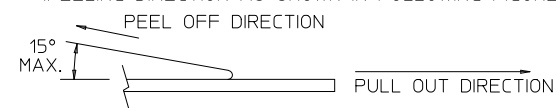


NOTES:

1. LEADER AND TRAILER TAPE



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



3. MATERIAL: BLACK P.S CONDUCTIVE, BLACK

4. MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET

5. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS ±0.20mm

6. AO AND BO ARE MEASURED FROM ABOVE POCKET BASE 0.30mm

7. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.

8. TAPE AND REEL QUANTITY : 440PCS/REEL

9. THE TAPE IS TREATED FOR ANTI-STATIC.

10. ALL RADIUS ARE 0.30MM UNLESS SPECIFY

11. SURFACE RESISTIVITY 10³ TO 10 OHMS.

EWR#1228, +0209		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2010-0966		F=0		mm		MM ONLY		NTS		METRIC		PROJECTION	
2010/05/20		F=0		INCH		DRAWN BY		DATE		TITLE			
2010/05/20		F=0				YLO1A0		2005/03/14		CUSTOM HEADER			
2005/03/29		F=0				CHECKED BY		DATE		2.54MM PITCH SINGLE ROW			
2010/06/08		F=0				PTL IM		2005/03/29		SINGLE WAFER SMT HEADER			
						APPROVED BY		DATE		MOLEX INCORPORATED			
						MLONG		2010/03/10					
						MATERIAL NO.		DOCUMENT NO.					
						SEE TABLE		SD-87898-001					
						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						A3							

