

10 9 8 7 6 5 4 3 2 1

F

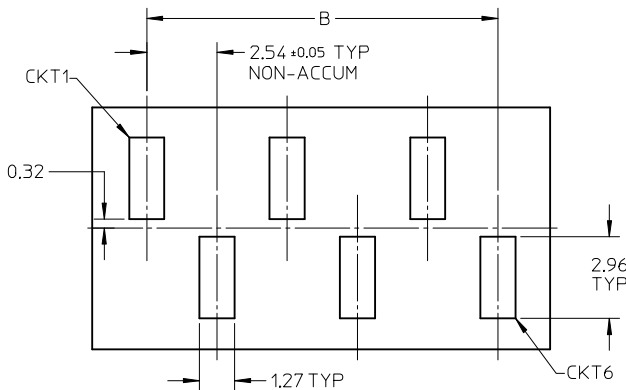
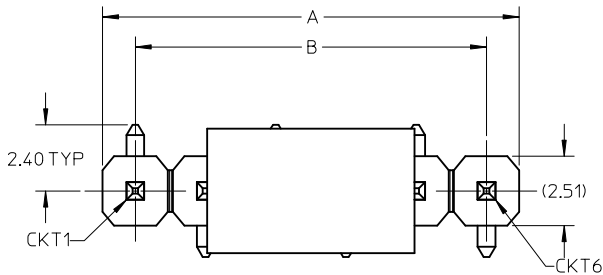
E

D

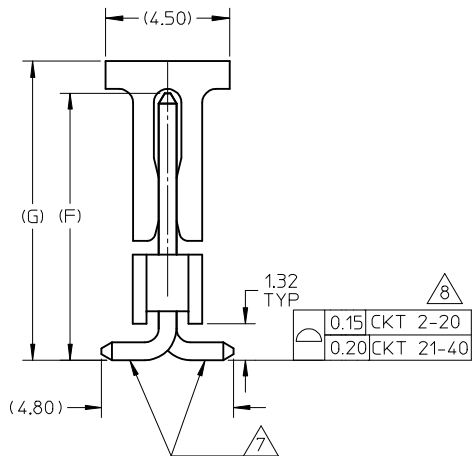
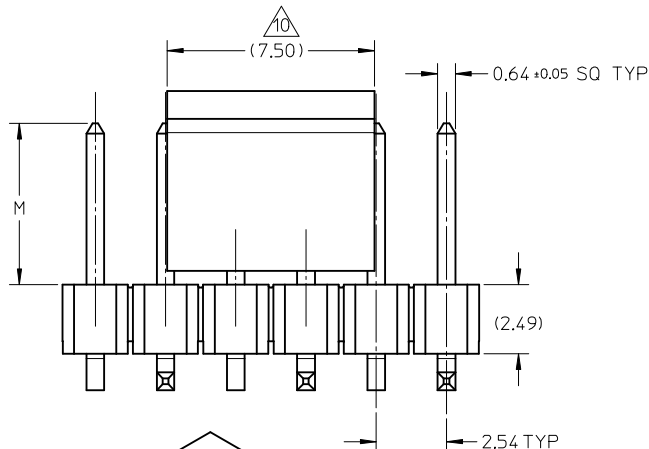
C

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

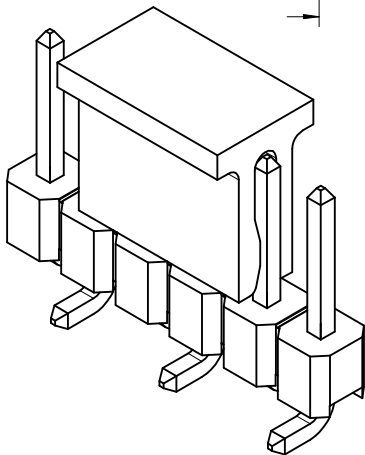
△ 9. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE

△ 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



SHT2+87898-0315 EC NO: S2014-0976 DRWN:ATSEE CHK:DFANNYONG APPR:LBLEE	2014/04/14 2014/04/14 2014/09/11	DESCRIPTION	QUALITY SYMBOLS F A = 0 F G = 0 F H = 0	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	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 2010/10/04					
				2 PLACES	± 0.2	± ---	MOLEX MOLEX INCORPORATED						
				1 PLACE	± ---	± ---							
				ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-87898-001		1 OF 20						
B12	REV		SIZE A3 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

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	
	-----	-----	87898-0721	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		
-----	-----	87898-0726	87898-0736	-----	87898-0756	7	-----	6	17.78	15.24	10.81	9.65	5.84		
E															
	-----	-----	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		
D	-----	-----	87898-0824	87898-0834	-----	87898-0854	8	-----	4	20.32	17.78	10.81	9.65	5.84	
	-----	-----	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															
fb_frame_A3_P_AM_T Rev. F 2009/06/18		9	8	7	6	5	4	3	2	1					
SHT2+87898-0315 EC NO: S2014-0976 DRWN:ATSEE 2014/04/14 CHKD:FANNYWONG 2014/04/14 APPR:LBLEE 2014/09/11 B12		DESCRIPTION REV		QUALITY SYMBOLS 		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION STYLE MM ONLY DRAWN BY DATE YLQIAO 2005/03/14 CHECKED BY DATE PTLIM 2005/03/29 APPROVED BY DATE MLONG 2010/10/04 MATERIAL NO. SEE TABLE		SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED SD-87898-001 SHEET NO. 4 OF 20		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						
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					
D	-----	-----	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					
	-----	-----	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					
C	-----	-----	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					
B																			
A																			
fb_frame_A3_P_AM_T Rev. F 2009/06/18		9	8	7	6	5	4	3	2	1									

SHT2.+87898-0315 EC NO: S2014-0976 DRWN:ATSE 2014/04/14 CHKD:FANNYWONG 2014/04/14 APPR:LBLEE 2014/09/11	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		 =0 =0 =0			DRAWN BY YLQIAO	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY PTLIM		DATE 2005/03/29		
			3 PLACES	± ---	± ---	APPROVED BY MLONG		DATE 2010/10/04		
			2 PLACES	± 0.2	± ---	MATERIAL NO.		DOCUMENT NO.		
1 PLACE	± ---	± ---	SEE TABLE		SD-87898-001	SHEET NO. 5 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														
	-----	-----	87898-1321	87898-1331	-----	87898-1351	13	-----	1	33.02	30.48	10.81	9.65	5.84														
	-----	-----	87898-1322	87898-1332	-----	87898-1352	13	-----	2	33.02	30.48	10.81	9.65	5.84														
	-----	-----	87898-1324	87898-1334	-----	87898-1354	13	-----	4	33.02	30.48	10.81	9.65	5.84														
	-----	-----	87898-1325	87898-1335	-----	87898-1355	13	-----	5	33.02	30.48	10.81	9.65	5.84														
	-----	-----	87898-1326	87898-1336	-----	87898-1356	13	-----	6	33.02	30.48	10.81	9.65	5.84														
E																												
	-----	-----	87898-1421	87898-1431	-----	87898-1451	14	-----	1	35.56	33.02	10.81	9.65	5.84														
	-----	-----	87898-1422	87898-1432	-----	87898-1452	14	-----	2	35.56	33.02	10.81	9.65	5.84														
	-----	-----	87898-1424	87898-1434	-----	87898-1454	14	-----	4	35.56	33.02	10.81	9.65	5.84														
	-----	-----	87898-1425	87898-1435	-----	87898-1455	14	-----	5	35.56	33.02	10.81	9.65	5.84														
	-----	-----	87898-1426	87898-1436	-----	87898-1456	14	-----	6	35.56	33.02	10.81	9.65	5.84														
	-----	-----	87898-1521	87898-1531	-----	87898-1551	15	-----	1	38.10	35.56	10.81	9.65	5.84														
	-----	-----	87898-1522	87898-1532	-----	87898-1552	15	-----	2	38.10	35.56	10.81	9.65	5.84														
	-----	-----	87898-1524	87898-1534	-----	87898-1554	15	-----	4	38.10	35.56	10.81	9.65	5.84														
	-----	-----	87898-1525	87898-1535	-----	87898-1555	15	-----	5	38.10	35.56	10.81	9.65	5.84														
	-----	-----	87898-1526	87898-1536	-----	87898-1556	15	-----	6	38.10	35.56	10.81	9.65	5.84														
B																B												
A																A												
							DESCRIPTION REV	QUALITY SYMBOLS ▽ _A =0 ▽ _G =0 ▽ _P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION												
													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			MOLEX INCORPORATED								
												3 PLACES ± --- ± ---			APPROVED BY MLONG		DATE 2010/10/04											
												2 PLACES ± 0.2 ± ---			MATERIAL NO.													
												1 PLACE ± --- ± ---			SEE TABLE													
												ANGULAR ± 3 °			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								
									B12										DOCUMENT NO. SD-87898-001		SHEET NO. 6 OF 20							
fb_frame_A3_P_AM_T Rev. F 2009/06/18		9	8	7	6	5	4	3	2	1																		

[illegible]

	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									
	-----	-----	87898-1921	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									
E	-----	-----	87898-1924	87898-1934	-----	87898-1954	19	-----	4	48.26	45.72	10.81	9.65	5.84	E								
	-----	-----	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									
D	-----	-----	87898-2021	87898-2031	-----	87898-2051	20	-----	1	50.80	48.26	10.81	9.65	5.84	D								
	-----	-----	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									
C	-----	-----	87898-2026	87898-2036	-----	87898-2056	20	-----	6	50.80	48.26	10.81	9.65	5.84	C								
	-----	-----	87898-2121	87898-2131	-----	87898-2151	21	-----	1	53.34	50.80	10.81	9.65	5.84									
B	-----	-----	87898-2122	87898-2132	-----	87898-2152	21	-----	2	53.34	50.80	10.81	9.65	5.84	B								
	-----	-----	87898-2124	87898-2134	-----	87898-2154	21	-----	4	53.34	50.80	10.81	9.65	5.84									
	-----	-----	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									
A															A								
											SHT2.+87898-0315 EC NO: S2014.-0976 DRWN:ATSEE 2014/04/14 CHKD:FANNYWONG 2014/04/14 APPR:LBLEE 2014/09/11		DESCRIPTION REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
											F=0 F=0 F=0	4 PLACES 3 PLACES 2 PLACES 1 PLACE		mm ± --- ± 0.2 ± ---	INCH ± --- ± --- ± ---	DRAWN BY YLOIAO CHECKED BY PTLIM APPROVED BY MLONG MATERIAL NO. SEE TABLE	DATE 2005/03/14 2005/03/29 2010/10/04	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER					
																		ANGULAR ± 3 °		MOLEX INCORPORATED		DOCUMENT NO. SD-87898-001	SHEET NO. 8 OF 20
																		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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											B12												
	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																																												
	-----	-----	87898-2221	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																																												
E	-----	-----	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																																												
D	-----	-----	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																																												
C	-----	-----	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																																												
B																																																										
A																																																										
<table><tr><td rowspan="5">SHT2.+87898-0315 EC NO: S2014-0976 DRWN:ATSE 2014/04/14 CHKD:FANNYWONG 2014/04/14 APPR:LBLEE 2014/09/11 B12</td><td rowspan="5">REV</td><td rowspan="5">DESCRIPTION</td><td rowspan="5">QUALITY SYMBOLS ▽=0 ▽=0 ▽=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 rowspan="4">4 PLACES</td><td>mm</td><td>INCH</td><td>DRAWN BY YLQIAO</td><td>DATE 2005/03/14</td><td rowspan="4">TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY PTLIM</td><td>DATE 2005/03/29</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>APPROVED BY MLONG</td><td>DATE 2010/10/04</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td>MATERIAL NO. SEE TABLE</td><td>DOCUMENT NO. SD-87898-001</td></tr><tr><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>SIZE A3</td><td colspan="5">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td>SHEET NO. 9 OF 20</td></tr></table>															SHT2.+87898-0315 EC NO: S2014-0976 DRWN:ATSE 2014/04/14 CHKD:FANNYWONG 2014/04/14 APPR:LBLEE 2014/09/11 B12	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		4 PLACES	mm	INCH	DRAWN BY YLQIAO	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED	3 PLACES	± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29	2 PLACES	± 0.2	± ---	APPROVED BY MLONG	DATE 2010/10/04	1 PLACE	± ---	± ---	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87898-001	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					SHEET NO. 9 OF 20
SHT2.+87898-0315 EC NO: S2014-0976 DRWN:ATSE 2014/04/14 CHKD:FANNYWONG 2014/04/14 APPR:LBLEE 2014/09/11 B12	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																																
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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																																																																				
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C	-----	-----	87898-3325	87898-3335	-----	-----	33	-----	5	83.82	81.28	10.81	9.65	5.84																																																																				
	-----	-----	87898-3326	87898-3336	-----	-----	33	-----	6	83.82	81.28	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														
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											
		-----	-----	87898-3421	87898-3431	-----	-----	34	-----	1	86.36	83.82	10.81	9.65	5.84														
		-----	-----	87898-3422	87898-3432	-----	-----	34	-----	2	86.36	83.82	10.81	9.65	5.84														
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E																													
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B																													
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		fb_frame_A3_P_AM_T Rev. F 2009/06/18																											

SHT2.+87898-0315 EC NO: S2014-0976 DRWN:ATSEE 2014/04/14 CHKD:FANNYWONG 2014/04/14 APPR:LBLEE 2014/09/11		REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE NTS	DESIGN UNITS	THIRD ANGLE PROJECTION		
					MM ONLY		MM ONLY						
					4 PLACES ± ---		mm		DATE		TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED		
					3 PLACES ± ---		INCH		DATE				
					2 PLACES ± 0.2				DATE				
1 PLACE ± ---				DATE									
				ANGULAR ± 3 °		APPROVED BY		MOLEX INCORPORATED					
						DATE							
						MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
						SEE TABLE		SD-87898-001		13 OF 20			
						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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Rev. F 2009/06/18

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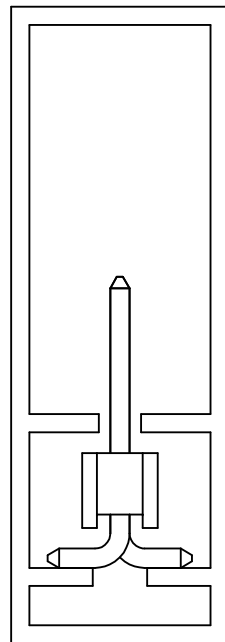
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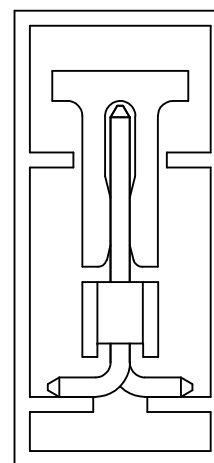
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1

PART WITHOUT CAP IN TUBE ORIENTATION



PART WITH CAP IN TUBE ORIENTATION



SHT2.+87898-0315 EC NO: S2014.-0976 2014/04/14 DRWN:ATSEE 2014/04/14 CHKD:FANNYWONG 2014/09/11 APPR:LBLEE	DESCRIPTION REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		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. 16 OF 20
		=0		4 PLACES	± --- ± ---	mm	INCH	DRAWN BY YLQIAO	DATE 2005/03/14		
		=0		3 PLACES	± --- ± ---			CHECKED BY PTLIM	DATE 2005/03/29		
		=0		2 PLACES	± 0.2 ± ---			APPROVED BY MLONG	DATE 2010/10/04		
				1 PLACE	± --- ± ---			MATERIAL NO.			
		ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87898-001			
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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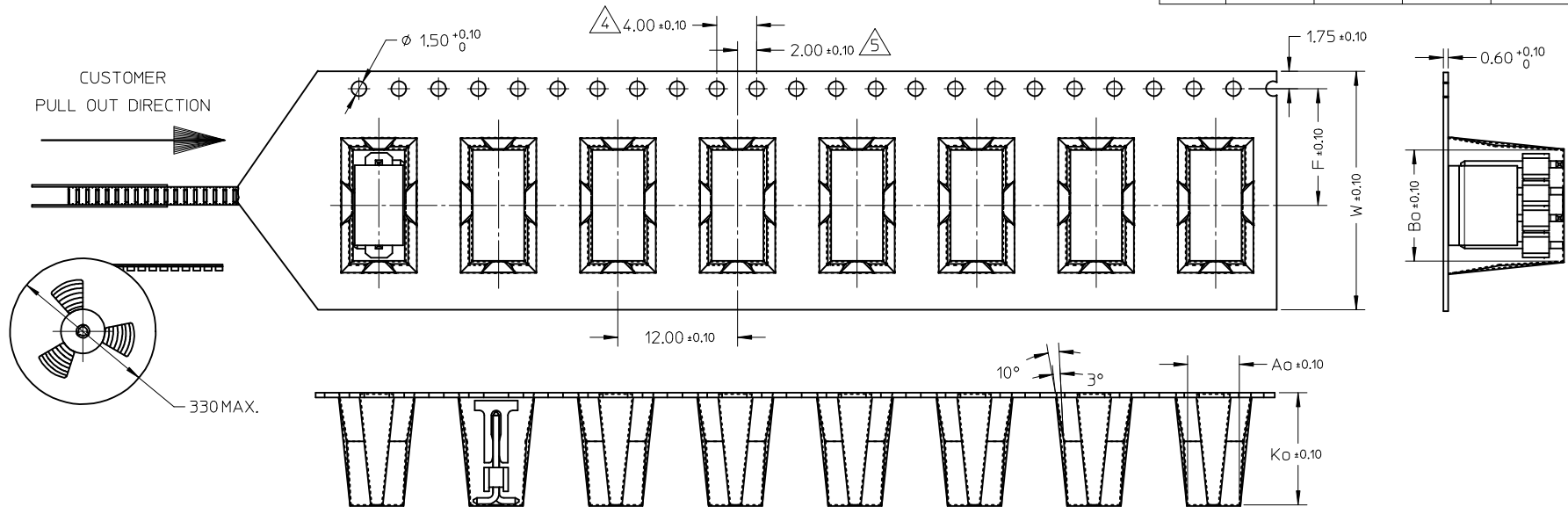
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1

10 9 8 7 6 5 4 3 2 1

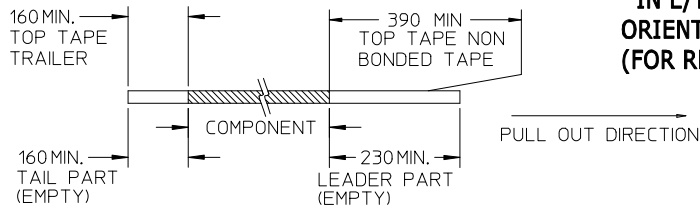
CKT	DIMENSION				
	Bo	Ao	Ko	F	W
2	8.02	5.20	13.60	11.50	24.00
3	8.02	5.20	13.60	11.50	24.00
4	10.55	5.20	11.30	11.50	24.00

EMBOSSED CARRIER TYPE 'A'

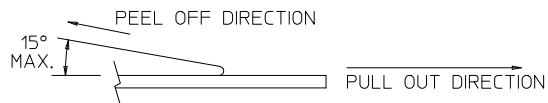


NOTES:

1. LEADER AND TRAILER TAPE



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



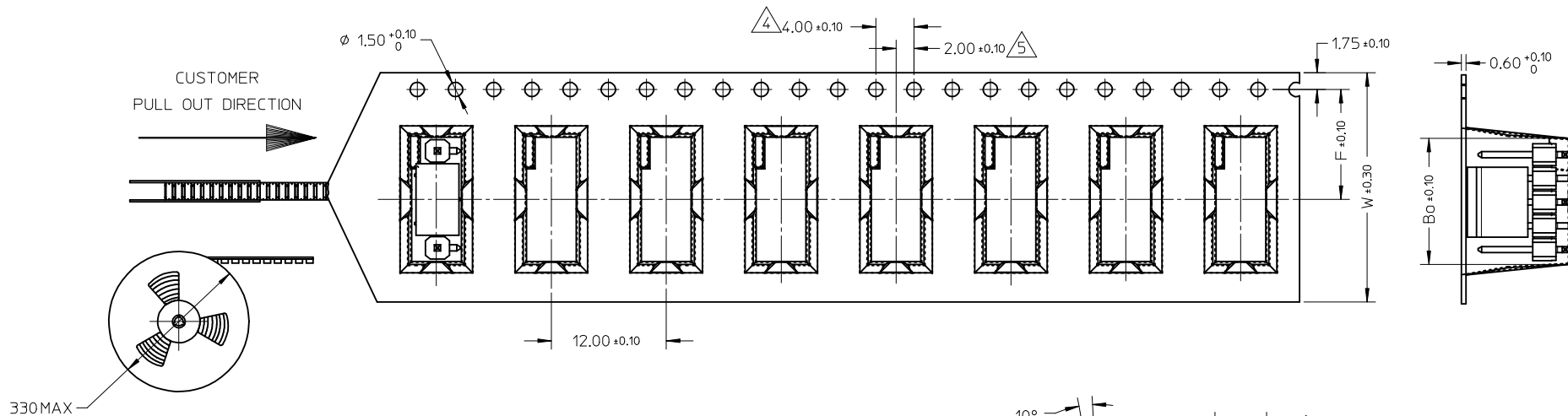
3. MATERIAL: BLACK P.S CONDUCTIVE, BLACK
4. MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
5. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS $\pm 0.20 \text{ mm}$
6. AO AND BO ARE MEASURED FROM ABOVE POCKET BASE 0.30 mm
7. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
8. TAPE AND REEL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

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

SHT2.+87898-0315 EC NO: S2014-0976 DRWNATSEE CHKD:FANNYWONG APPR:BLEE 2014/04/14 2014/04/14 2014/09/11	REV	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_G=0 F_B=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
						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				DATE
				2 PLACES	± 0.2	± ---	MLONG				2010/10/04
B12				ANGULAR ± 3 °		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87898-001		SHEET NO. 17 OF 20	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

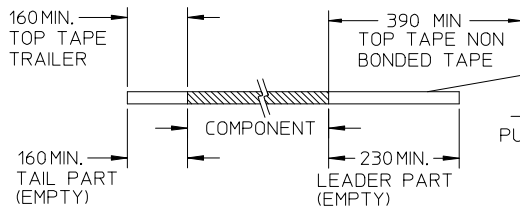
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CKT	DIMENSION				
	Bo	Ao	Ko	F	W
5	13.10	5.20	11.30	11.50	24.00

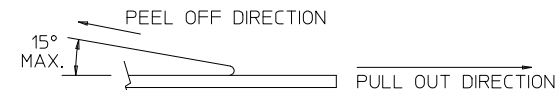


NOTES:

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 SPOCKET 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.

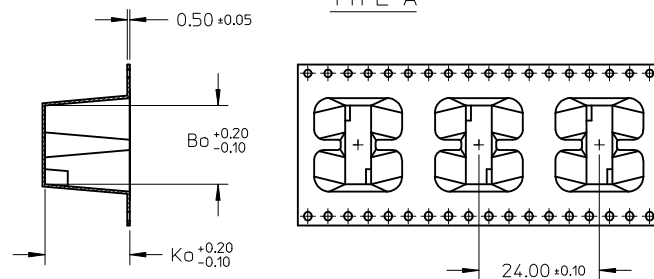
PART PACK
IN E/TAPE
ORIENTATION
(FOR REF USE)

SHT2.+87898-0315 EC NO: S2014-0976 DRWN:ATSEE CHKD:FANNWONG APPR:LBUEE		2014/04/14 2014/04/14 2014/04/14 2014/09/11	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
							MM ONLY				
B12		REV			$F_A=0$	mm	INCH	DRAWN BY	DATE	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER	
						4 PLACES	$\pm$ ---	$\pm$ ---	YLOIAO		
					$F_C=0$	3 PLACES	$\pm$ ---	$\pm$ ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED
						2 PLACES	± 0.2	$\pm$ ---	PTLIM	2005/03/29	
					$F_P=0$	1 PLACE	$\pm$ ---	$\pm$ ---	APPROVED BY	DATE	DOCUMENT NO.
						ANGULAR $\pm 3^\circ$		MLONG	2010/10/04	MATERIAL NO.	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE			
								SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

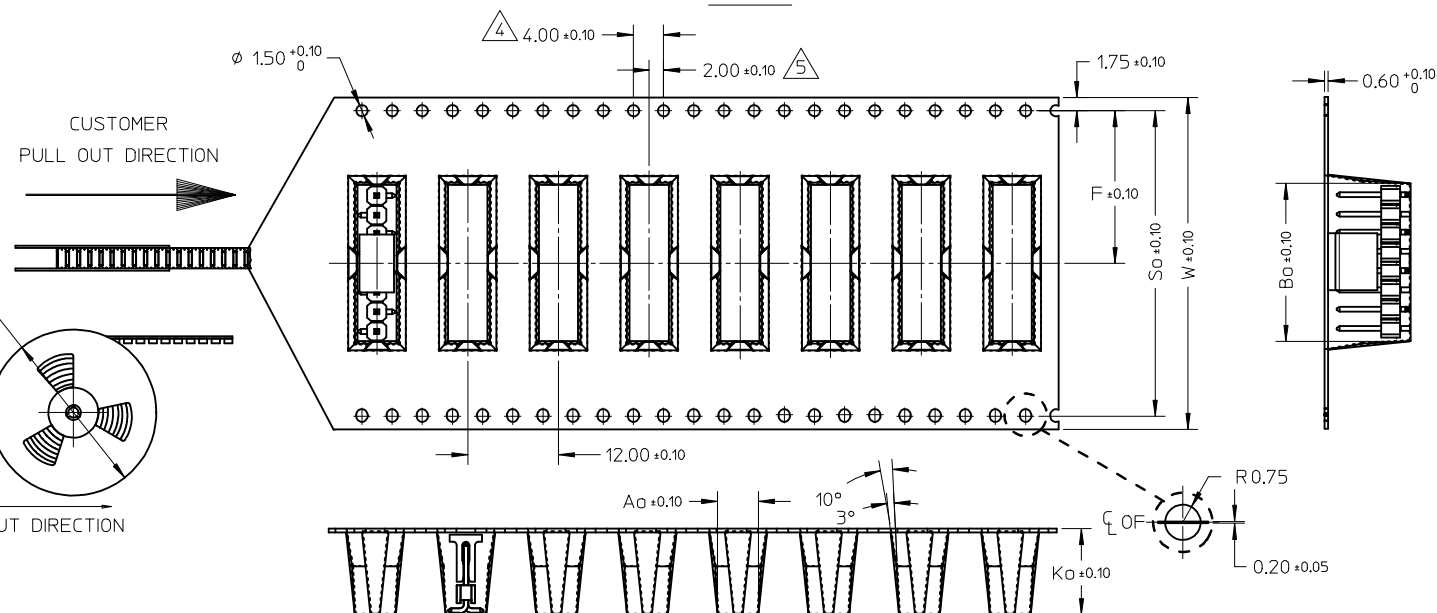
10 9 8 7 6 5 4 3 2 1

CKT	DIMENSION							TYPE	QTY/ REEL
	M	Bo	So	Ao	Ko	F	W		
6	11.50	15.65	28.40	5.20	16.90	14.20	32.00	A	150
6	5.84	15.65	28.40	5.20	11.30	14.20	32.00	B	440
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		

TYPE A



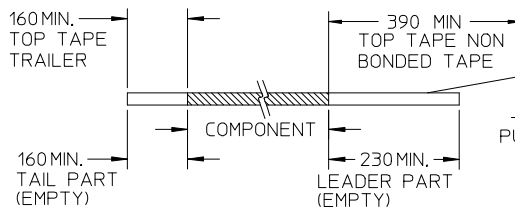
TYPE B



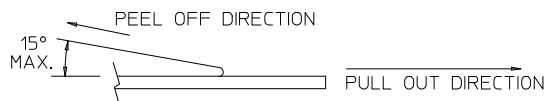
PART PACK IN E/TAPE
ORIENTATION(FOR REF USE)

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 : SEE TABLE
9. THE TAPE IS TREATED FOR ANTI-STATIC.
10. ALL RADIUS ARE 0.30MM UNLESS SPECIFY
11. SURFACE RESISTIVITY 10³ TO 10 OHMS.

SHT2.+87898-0315 EC NO: S2014-0976 DRW:NATSEE CHKD:FANNYWONG APPR:LBLEE REV B12	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	DESCRIPTION 2014/04/14 2014/04/14 2014/09/11	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	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER  MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29				
			3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2010/10/04				
			2 PLACES	± 0.2	± ---	MATERIAL NO. SEE TABLE				DOCUMENT NO. SD-87898-001	
			1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SHEET NO. 19 OF 20	
			ANGULAR ± 3 °								

9 8 7 6 5 4 3 2 1

