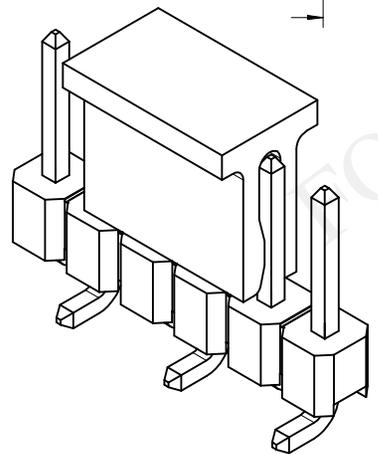
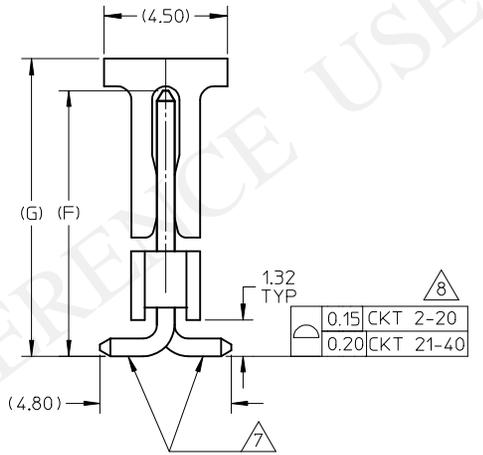
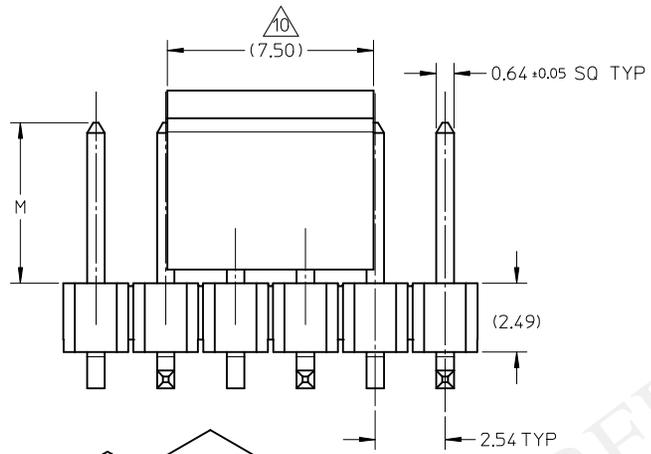


RECOMMENDED PCB LAYOUT: COMPONENT SIDE



- NOTES:
- MATERIAL:
 - HSG: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
 - CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
 - PIN: 0,64MM SQ. COPPER ALLOY
 - 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
 - PRODUCT SPECIFICATION: PS-87920-019
 - PACKAGING TYPE: TAPE AND REEL
 - PACKAGING SPEC:
 - EMBOSS TAPE WITH CAP: RPK-89990-0001
 - 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
 - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE
 - IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
 - 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
 - RECOMMENDED PCB THICKNESS IS 1.60mm±0.10
 - THE ABOVE CKT 6 IS FOR ILLUSTRATION PURPOSE ONLY

SEE SHEET 2 EC NO: S2016-0353 DRWN: MRAMAKRISHNA 2015/10/13 CHKD: CGOH 2015/10/13 APPR: MRAMAKRISHNA 2016/03/22	REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																
				MM ONLY	NTS	METRIC																	
		$F_{\sqrt{3}}=0$ $F_{\sqrt{2}}=0$ $F_{\sqrt{4}}=0$	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.2</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.2	± ---	1 PLACE	± ---	± ---	DRAWN BY: MRAMAKRISHNA DATE: 2015/10/13 CHECKED BY: CGOH DATE: 2015/10/13 APPROVED BY: MRAMAKRISHNA DATE: 2016/03/22	TITLE: CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER			
	mm	INCH																					
4 PLACES	± ---	± ---																					
3 PLACES	± ---	± ---																					
2 PLACES	± 0.2	± ---																					
1 PLACE	± ---	± ---																					
		ANGULAR ± 3°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MOLEX INCORPORATED RSD-87898-0001		SHEET NO. 1 OF 4																
				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

ASSY P/N IN TAPE & REEL WITH CAP	CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION				
				A	B	G	F	M
87898-0319	3	-----	6	7.62	5.08	10.81	9.65	5.84
87898-0582	5	-----	4	12.70	10.16	10.81	9.65	5.84

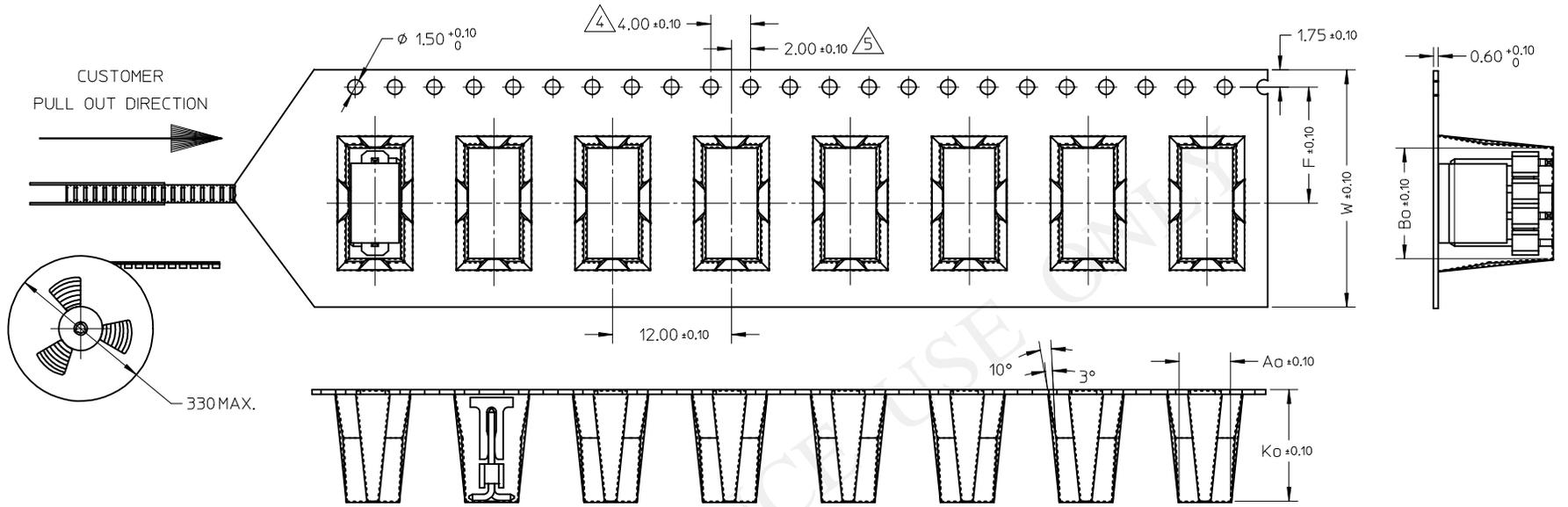
FOR REFERENCE USE ONLY

ADD P/N: 87898-0319 & 0582 EC NO: S2016-0353 DRWN: MRAMAKRISHNA 2015/10/13 CHKD: CGOH 2015/10/13 APPR: MRAMAKRISHNA 2016/03/22	QUALITY SYMBOLS $F_A=0$ $F_C=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	± ---	± ---	MRAMAKRISHNA	2015/10/13	CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER			
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
2 PLACES	± 0.2	± ---	CGOH	2015/10/13	MOLEX INCORPORATED					
1 PLACE	± ---	± ---	APPROVED BY	DATE						
	ANGULAR ± 3 °		MRAMAKRISHNA	2016/03/22	MATERIAL NO.		DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		RSD-87898-0001		SHEET NO. 2 OF 4			
			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

CKT	DIMENSION				
	Bo	Ao	Ko	F	W
3	8.02	5.20	13.60	11.50	24.00

EMBOSSED CARRIER TYPE 'A'



NOTES:

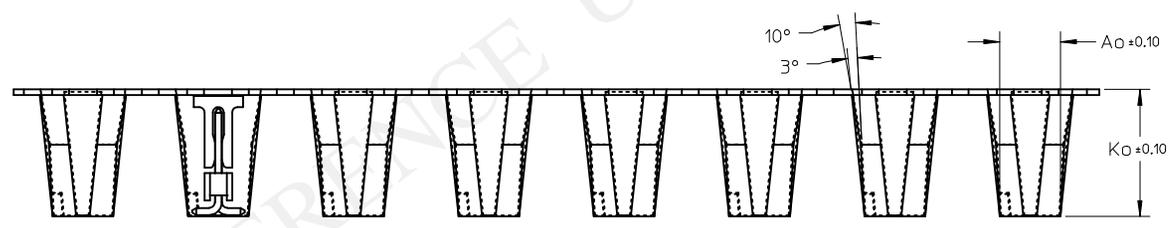
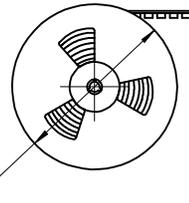
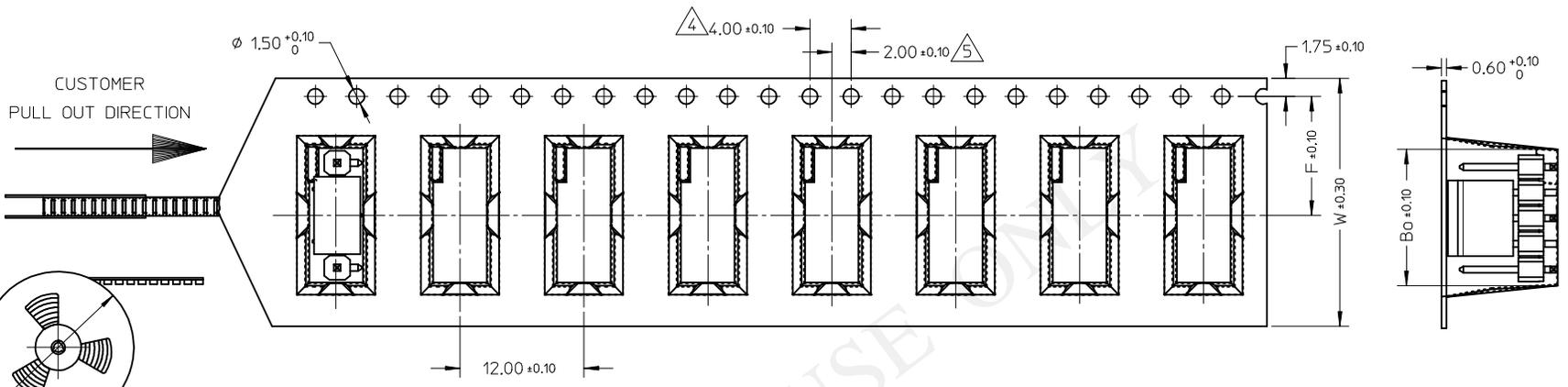
- LEADER AND TRAILER TAPE
 160 MIN. TOP TAPE TRAILER
 390 MIN TOP TAPE NON BONDED TAPE
 160 MIN. TAIL PART (EMPTY)
 230 MIN. LEADER PART (EMPTY)
 PULL OUT DIRECTION
- PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf.
 (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
 PEEL OFF DIRECTION
 15° MAX.
- MATERIAL: BLACK P.S CONDUCTIVE, BLACK
- MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
- CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS ±0.20mm
- 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 10³ TO 10 OHMS.

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

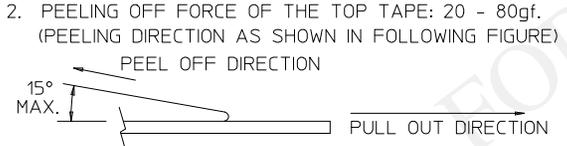
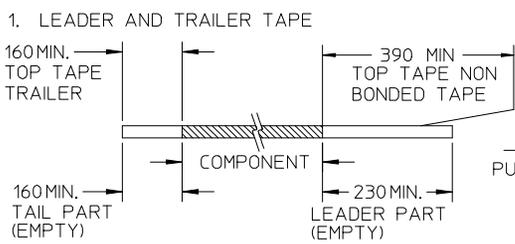
SEE SHEET 2 EC NO: S2016-0353 DRW: MRAMAKRISHNA 2015/10/13 CHKD: CGOH 2015/10/13 APPR: MRAMAKRISHNA 2016/03/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION														
	$F_{\Delta} = 0$ $F_{\square} = 0$ $F_{\phi} = 0$	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.2</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.2	± ---	1 PLACE	± ---	± ---	MM ONLY	NTS	METRIC
	mm	INCH																		
4 PLACES	± ---	± ---																		
3 PLACES	± ---	± ---																		
2 PLACES	± 0.2	± ---																		
1 PLACE	± ---	± ---																		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: MRAMAKRISHNA 2015/10/13 CHECKED BY: CGOH 2015/10/13 APPROVED BY: MRAMAKRISHNA 2016/03/22 MATERIAL NO.	TITLE: CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX INCORPORATED DOCUMENT NO. RSD-87898-0001																
			SIZE: A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 3 OF 4														

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:

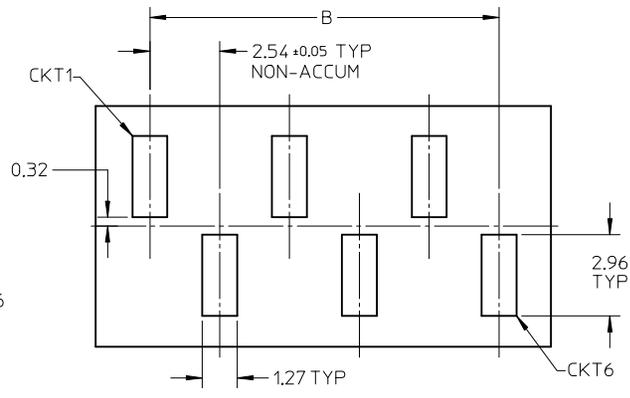
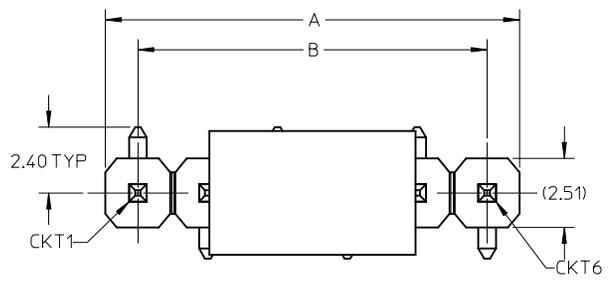


**PART PACK
IN E/TAPE
ORIENTATION
(FOR REF USE)**

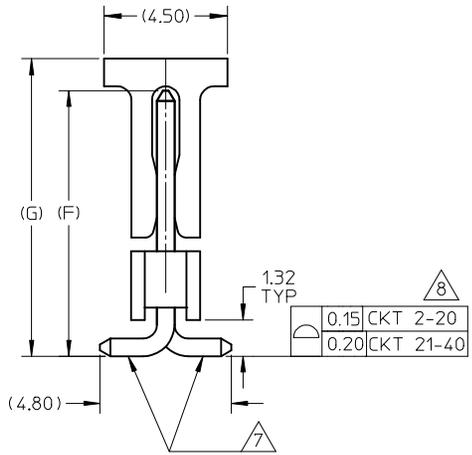
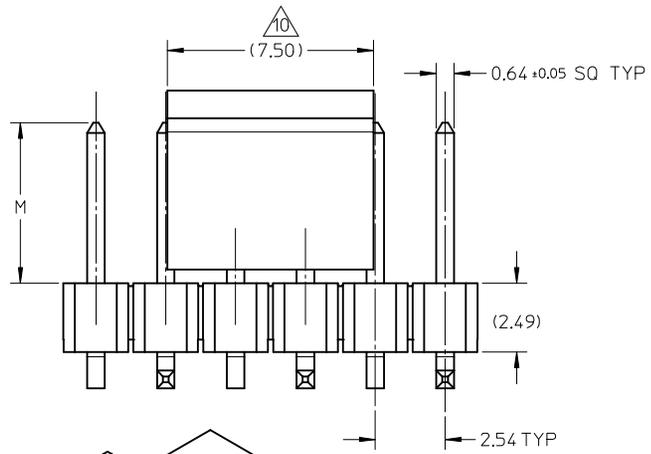
- LEADER AND TRAILER TAPE
- PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
- MATERIAL: BLACK P.S CONDUCTIVE, BLACK MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
- MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
- 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.

SEE SHEET 2 EC NO: S2016-0353 DRAWN: MRAMAKRISHNA 2015/10/13 CHKD: CGOH 2015/10/13 APPR: MRAMAKRISHNA 2016/03/22	QUALITY SYMBOLS $\nabla F = 0$ $\nabla F = 0$ $\nabla F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	MM ONLY	NTS	METRIC	
1	DESCRIPTION	4 PLACES	\pm ---	\pm ---	DRAWN BY	DATE	TITLE
		3 PLACES	\pm ---	\pm ---	MRAMAKRISHNA	2015/10/13	CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER
2 PLACES	± 0.2	\pm ---	CHECKED BY	DATE			
		1 PLACE	\pm ---	\pm ---	CGOH	2015/10/13	
		ANGULAR $\pm 3^\circ$		APPROVED BY	DATE		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MRAMAKRISHNA	2016/03/22		
		SEE TABLE		MATERIAL NO.	DOCUMENT NO.		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX		MOLEX INCORPORATED	
				RSD-87898-0001		SHEET NO. 4 OF 4	

9 8 7 6 5 4 3 2 1

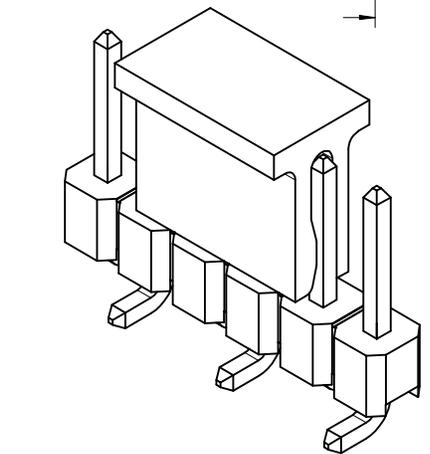


RECOMMENDED PCB LAYOUT: COMPONENT SIDE



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
 - TRAY W/O CAP: PK-89990-489
 - EMBOSS TAPE WITH CAP: PK-89990-486
6. WAFER TO BE FLAT WITHIN 0.003 mm/mm
7. 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



SEE SHEET 21 EC NO: S2016-0687 DRW: NRAMAKRI SHINA 2016/02/01 CHKD: NRAMAKRI SHINA 2016/02/01 APPR: ISHWARG 2016/04/13	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		$\nabla_{\text{F}} = 0$ $\nabla_{\text{E}} = 0$ $\nabla_{\text{D}} = 0$	mm	INCH	MM ONLY		NTS	METRIC			
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± ---	ANGULAR ± 3 °		DRAWN BY	DATE	TITLE				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		YLO1A0	2005/03/14	CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER			
				APPROVED BY		DATE	MOLEX		MOLEX INCORPORATED		
				MLONG		2010/10/04	DOCUMENT NO.		SD-87898-001		
				MATERIAL NO.		DOCUMENT NO.		SHEET NO.		1 OF 21	
				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				A3							

PACKAGING OPTION PART NO.

TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP	CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION				
									A	B	G	F	M
87898-0301	-----	-----	-----	-----	-----	3	-----	1	7.62	5.08	10.81	9.65	5.84
87898-0302	-----	-----	-----	-----	-----	3	-----	2	7.62	5.08	10.81	9.65	5.84
87898-0304	-----	-----	-----	-----	87898-0314	3	-----	4	7.62	5.08	10.81	9.65	5.84
87898-0305	-----	-----	-----	-----	87898-0315	3	-----	5	7.62	5.08	10.81	9.65	5.84
87898-0306	-----	-----	-----	-----	87898-0316	3	-----	6	7.62	5.08	10.81	9.65	5.84

REFER TO LAST SHEET FOR 2CKT SIZE

SEE SHEET 21 EC NO: S2016-0687 DRWN: MRAMAKRI SHNA 2016/02/01 CHKD: MRAMAKRI SHNA 2016/02/01 APPR: I SHWARG 2016/04/13	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	$F_A=0$	4 PLACES	mm	INCH	DRAWN BY YLQIAO	DATE 2005/03/14	TITLE CUSTOM HEADER		
	$F_C=0$	3 PLACES	± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29	2.54MM PITCH SINGLE ROW		
	$F_P=0$	1 PLACE	± ---	± ---	APPROVED BY MLONG	DATE 2010/10/04	SINGLE WAFER SMT HEADER		
		ANGULAR ± 3 °		MATERIAL NO.		MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-87898-001		SHEET NO. 2 OF 21	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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
-----	-----	87898-0421	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
-----	-----	87898-0521	87898-0531	-----	87898-0551	5	-----	1	12.70	10.16	10.81	9.65	5.84
-----	-----	87898-0522	87898-0532	-----	87898-0552	5	-----	2	12.70	10.16	10.81	9.65	5.84
-----	-----	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
-----	-----	87898-0622	87898-0632	-----	87898-0652	6	-----	2	15.24	12.70	10.81	9.65	5.84
-----	-----	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
87898-0607	-----	-----	-----	-----	87898-0657	6	-----	6	15.24	12.70	16.47	15.31	11.50

SEE SHEET 21 EC NO: S2016-0687 DRW: N/HRAMAKRI SHINA 2016/02/01 CHK: D/HRAMAKRI SHINA 2016/02/01 APPR: J/SHMARG 2016/04/13	QUALITY SYMBOLS $\nabla_{\text{F}} = 0$ $\nabla_{\text{E}} = 0$ $\nabla_{\text{D}} = 0$	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			
						CHECKED BY PTLIM	DATE 2005/03/29				
				ANGULAR $\pm 3^\circ$		APPROVED BY MLONG	DATE 2010/10/04	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-87898-001		SHEET NO. 3 OF 21			

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
-----	-----	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
-----	-----	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
-----	-----	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

SEE SHEET 21		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2016-0687		F _A =0		mm INCH		MM ONLY		NTS		METRIC		TITLE	
DRAWN: MRAMAKRI SHINA 2016/02/01		F _G =0		4 PLACES ± --- ± ---		DRAWN BY YLQIAO		DATE 2005/03/14		CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER			
CHKD: MRAMAKRI SHINA 2016/02/01		F _P =0		3 PLACES ± --- ± ---		CHECKED BY PTLIM		DATE 2005/03/29					
APPR: ISHWARG 2016/04/13				2 PLACES ± 0.2 ± ---		APPROVED BY MLONG		DATE 2010/10/04		MOLEX INCORPORATED			
				1 PLACE ± --- ± ---		MATERIAL NO.		DOCUMENT NO.					
				ANGULAR ± 3 °		SEE TABLE		SD-87898-001		SHEET NO. 4 OF 21			
				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					

PACKAGING OPTION PART NO.										DIMENSION				
TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP	CKT SIZE	VOID POSITION	PLATING TYPE	A	B	G	F	M	
-----	-----	87898-1021	87898-1031	-----	87898-1051				10	-----	1	25.40	22.86	10.81
-----	-----	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	
-----	-----	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	
-----	-----	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	

B

SEE SHEET 21 EC NO: S2016-0687 DRWN: MRAKARI SHNA 2016/02/01 CHKD: MRAKARI SHNA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$F_A=0$	mm INCH	MM ONLY	NTS	METRIC	
	$F_G=0$	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	$F_P=0$	3 PLACES ± --- ± ---	YLOIAO 2005/03/14	CUSTOM HEADER		
	2 PLACES ± 0.2 ± ---	CHECKED BY DATE	2.54MM PITCH SINGLE ROW			
	1 PLACE ± --- ± ---	PTLIM 2005/03/29	SINGLE WAFER SMT HEADER			
	ANGULAR ± 3 °	APPROVED BY DATE	MOLEX MOLEX INCORPORATED			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MLONG 2010/10/04	DOCUMENT NO.		SHEET NO.	
		MATERIAL NO.	SD-87898-001		5 OF 21	
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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
-----	-----	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

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-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

SEE SHEET 21 IEC NO: S2016-0687 DRWN: MRAMAKRI SHNA 2016/02/01 CHKD: MRAMAKRI SHNA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS $F_A=0$ $F_C=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES \pm --- \pm --- 3 PLACES \pm --- \pm --- 2 PLACES \pm 0.2 \pm --- 1 PLACE \pm --- \pm --- ANGULAR \pm 3°	DIMENSION STYLE MM ONLY DRAWN BY: YLQIAO DATE: 2005/03/14 CHECKED BY: PTLIM DATE: 2005/03/29 APPROVED BY: MLONG DATE: 2010/10/04 MATERIAL NO.	SCALE: NTS DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX MOLEX INCORPORATED DOCUMENT NO. SD-87898-001 SHEET NO. 6 OF 21	
	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			

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
-----	-----	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
-----	-----	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
-----	-----	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

SEE SHEET 21									
EC NO: S2016-0687									
DRW: MRAMAKRI SHINA 2016/02/01									
CHKD: MRAMAKRI SHINA 2016/02/01									
APPR: ISHWARG 2016/04/13									
REV									

QUALITY SYMBOLS	$\nabla_A = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla_C = 0$		mm	INCH	NTS	METRIC	
$\nabla_B = 0$	4 PLACES \pm --- \pm ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY	DATE	TITLE		
$\nabla_P = 0$	3 PLACES \pm --- \pm ---		YLOIAO	2005/03/14			
	2 PLACES ± 0.2 \pm ---		CHECKED BY	DATE	CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER		
	1 PLACE \pm --- \pm ---	PTLIM	2005/03/29				
	ANGULAR $\pm 3^\circ$	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
		MLONG	2010/10/04				
		MATERIAL NO.	DOCUMENT NO.	SD-87898-001			SHEET NO.
		SEE TABLE					7 OF 21
		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		A3					

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
-----	-----	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
-----	-----	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
-----	-----	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

-----	-----	87898-2221	87898-2231	-----	87898-2251	22	----	1	53.34	50.80	10.81	9.65	5.84
-----	-----	87898-2222	87898-2232	-----	87898-2252	22	----	2	53.34	50.80	10.81	9.65	5.84
-----	-----	87898-2224	87898-2234	-----	87898-2254	22	----	4	53.34	50.80	10.81	9.65	5.84
-----	-----	87898-2225	87898-2235	-----	87898-2255	22	----	5	53.34	50.80	10.81	9.65	5.84
-----	-----	87898-2226	87898-2236	-----	87898-2256	22	----	6	53.34	50.80	10.81	9.65	5.84

SEE SHEET 21 IEC NO: S2016-0687 DRW: NRAMAKRI SHNA 2016/02/01 CHK: NRAMAKRI SHNA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla_A = 0$ $\nabla_B = 0$ $\nabla_C = 0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °	MM ONLY	NTS	METRIC	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: YLQIAO DATE: 2005/03/14 CHECKED BY: PTLIM DATE: 2005/03/29 APPROVED BY: MLONG DATE: 2010/10/04 MATERIAL NO.	TITLE: CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER MOLEX MOLEX INCORPORATED		
	B14		SEE TABLE	DOCUMENT NO.	SD-87898-001	

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
-----	-----	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

B

SEE SHEET 21 IEC NO: S2016-0687 DRW: HRAMAKRI SHINA 2016/02/01 CHKD: HRAMAKRI SHINA 2016/02/01 APPR: ISHMARG 2016/04/13	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla_A = 0$ $\nabla_B = 0$ $\nabla_C = 0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °	MM ONLY	NTS	METRIC	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: YLQIAO DATE: 2005/03/14 CHECKED BY: DATE: PTLIM 2005/03/29 APPROVED BY: DATE: MLONG 2010/10/04 MATERIAL NO.	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER	MOLEX INCORPORATED		
	SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DOCUMENT NO. SD-87898-001	SHEET NO. 9 OF 21		

A

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

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
-----	-----	87898-2521	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
-----	-----	87898-2621	87898-2631	-----	-----	26	----	1	66.04	63.50	10.81	9.65	5.84
-----	-----	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
-----	-----	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

B B

SEE SHEET 21 EEC NO: S2016-0687 DRW: HRAMAKRI SHINA 2016/02/01 CHK: HRAMAKRI SHINA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla_F = 0$ $\nabla_E = 0$ $\nabla_D = 0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °	MM ONLY	NTS	METRIC	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: YLQIAO DATE: 2005/03/14 CHECKED BY: DATE: PTLIM 2005/03/29 APPROVED BY: DATE: MLONG 2010/10/04 MATERIAL NO.	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER	MOLEX INCORPORATED		SHEET NO. 10 OF 21
	SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DOCUMENT NO. SD-87898-001			

A A

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

PACKAGING OPTION PART NO.										DIMENSION				
TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP	CKT SIZE	VOID POSITION	PLATING TYPE	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	
-----	-----	87898-3424	87898-3434	-----	-----	34	-----	4	86.36	83.82	10.81	9.65	5.84	
-----	-----	87898-3425	87898-3435	-----	-----	34	-----	5	86.36	83.82	10.81	9.65	5.84	
-----	-----	87898-3426	87898-3436	-----	-----	34	-----	6	86.36	83.82	10.81	9.65	5.84	
-----	-----	87898-3521	87898-3531	-----	-----	35	-----	1	88.90	86.36	10.81	9.65	5.84	
-----	-----	87898-3522	87898-3532	-----	-----	35	-----	2	88.90	86.36	10.81	9.65	5.84	
-----	-----	87898-3524	87898-3534	-----	-----	35	-----	4	88.90	86.36	10.81	9.65	5.84	
-----	-----	87898-3525	87898-3535	-----	-----	35	-----	5	88.90	86.36	10.81	9.65	5.84	
-----	-----	87898-3526	87898-3536	-----	-----	35	-----	6	88.90	86.36	10.81	9.65	5.84	
-----	-----	87898-3621	87898-3631	-----	-----	36	-----	1	91.44	88.90	10.81	9.65	5.84	
-----	-----	87898-3622	87898-3632	-----	-----	36	-----	2	91.44	88.90	10.81	9.65	5.84	
-----	-----	87898-3624	87898-3634	-----	-----	36	-----	4	91.44	88.90	10.81	9.65	5.84	
-----	-----	87898-3625	87898-3635	-----	-----	36	-----	5	91.44	88.90	10.81	9.65	5.84	
-----	-----	87898-3626	87898-3636	-----	-----	36	-----	6	91.44	88.90	10.81	9.65	5.84	

SEE SHEET 21										CUSTOM HEADER				
IEC NO: S2016-0687										2.54MM PITCH SINGLE ROW				
DRWN:MRAMAKRI SHNA 2016/02/01										SINGLE WAFER SMT HEADER				
CHKD:MRAMAKRI SHNA 2016/02/01										MOLEX INCORPORATED				
APPR: ISHWARG 2016/04/13										SD-87898-001				

QUALITY SYMBOLS $\nabla_F = 0$ $\nabla_E = 0$ $\nabla_B = 0$	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 2010/10/04	MATERIAL NO. SD-87898-001			
2 PLACES	± 0.2	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
1 PLACE	± ---	± ---	SEE TABLE		SHEET NO. 13 OF 21				
ANGULAR ± 3 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

PACKAGING OPTION PART NO.										DIMENSION				
TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP	CKT SIZE	VOID POSITION	PLATING TYPE	A	B	G	F	M	
-----	-----	87898-3721	87898-3731	-----	-----	37	-----	1	93.98	91.44	10.81	9.65	5.84	
-----	-----	87898-3722	87898-3732	-----	-----	37	-----	2	93.98	91.44	10.81	9.65	5.84	
-----	-----	87898-3724	87898-3734	-----	-----	37	-----	4	93.98	91.44	10.81	9.65	5.84	
-----	-----	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	
-----	-----	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	
-----	-----	87898-3824	87898-3834	-----	-----	38	-----	4	96.52	93.98	10.81	9.65	5.84	
-----	-----	87898-3825	87898-3835	-----	-----	38	-----	5	96.52	93.98	10.81	9.65	5.84	
-----	-----	87898-3826	87898-3836	-----	-----	38	-----	6	96.52	93.98	10.81	9.65	5.84	
-----	-----	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	
-----	-----	87898-3925	87898-3935	-----	-----	39	-----	5	99.06	96.52	10.81	9.65	5.84	
-----	-----	87898-3926	87898-3936	-----	-----	39	-----	6	99.06	96.52	10.81	9.65	5.84	

SEE SHEET 21										DIMENSION STYLE				
EC NO: S2016-0687										MM ONLY				
DRWN: MRAMAKRI SHINA 2016/02/01										DRAWN BY				
CHKD: MRAMAKRI SHINA 2016/02/01										DATE				
APPR: ISHWARG 2016/04/13										YLOIAO 2005/03/14				
REV										CHECKED BY				
DESCRIPTION										DATE				
QUALITY SYMBOLS										PTLIM 2005/03/29				
F _A =0										APPROVED BY				
F _C =0										DATE				
F _P =0										MLONG 2010/10/04				
GENERAL TOLERANCES (UNLESS SPECIFIED)										MATERIAL NO.				
mm INCH										SEE TABLE				
4 PLACES ± --- ± ---										SIZE				
3 PLACES ± --- ± ---										A3				
2 PLACES ± 0.2 ± ---										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
1 PLACE ± --- ± ---														
ANGULAR ± 3 °														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														

SCALE										DESIGN UNITS				
NTS										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.										14 OF 21				

10 9 8 7 6 5 4 3 2 1

PACKAGING OPTION PART NO.

F

TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP	CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION				
									A	B	G	F	M
-----	-----	87898-4021	87898-4031	-----	-----	40	----	1	101.6	99.06	10.81	9.65	5.84
-----	-----	87898-4022	87898-4032	-----	-----	40	----	2	101.6	99.06	10.81	9.65	5.84
-----	-----	87898-4024	87898-4034	-----	-----	40	----	4	101.6	99.06	10.81	9.65	5.84
-----	-----	87898-4025	87898-4035	-----	-----	40	----	5	101.6	99.06	10.81	9.65	5.84
-----	-----	87898-4026	87898-4036	-----	-----	40	----	6	101.6	99.06	10.81	9.65	5.84

E

D

C

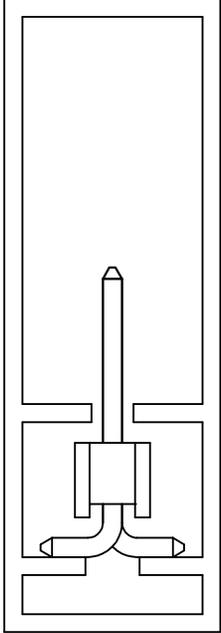
B

A

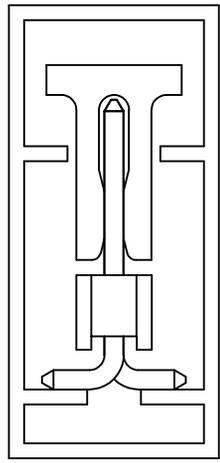
SEE SHEET 21 IEC NO: S2016-0687 DRWN: MRAMAKRI SHNA 2016/02/01 CHKD: MRAMAKRI SHNA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	$\nabla_A = 0$	4 PLACES	mm	INCH	DRAWN BY YLQ1A0	DATE 2005/03/14	TITLE CUSTOM HEADER		
	$\nabla_C = 0$	3 PLACES	± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29	2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER		
	$\nabla_P = 0$	2 PLACES	± 0.2	± ---	APPROVED BY MLONG	DATE 2010/10/04	MOLEX MOLEX INCORPORATED		
		1 PLACE	± ---	± ---	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87898-001	SHEET NO. 15 OF 21		
	ANGULAR ± 3 °		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				

9 8 7 6 5 4 3 2 1

**PART WITHOUT CAP
IN TUBE ORIENTATION**



**PART WITH CAP
IN TUBE ORIENTATION**



SEE SHEET 21 IEC NO: S2016-0687 DRWN: MRAMAKRI SHNA 2016/02/01 CH'KD: MRAMAKRI SHNA 2016/02/01 APPR: JSHWARG 2016/04/13	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																											
	REV	$\nabla_F = 0$ $\nabla_{F_1} = 0$ $\nabla_{F_2} = 0$	<table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.2</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.2	± ---	1 PLACE	± ---	± ---	<table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>YLO1A0</td> <td>2005/03/14</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>PTLIM</td> <td>2005/03/29</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>MLONG</td> <td>2010/10/04</td> </tr> </table>		DRAWN BY	DATE	YLO1A0	2005/03/14	CHECKED BY	DATE	PTLIM	2005/03/29	APPROVED BY	DATE	MLONG	2010/10/04	TITLE		CUSTOM HEADER	
		mm	INCH																																	
	4 PLACES	± ---	± ---																																	
3 PLACES	± ---	± ---																																		
2 PLACES	± 0.2	± ---																																		
1 PLACE	± ---	± ---																																		
DRAWN BY	DATE																																			
YLO1A0	2005/03/14																																			
CHECKED BY	DATE																																			
PTLIM	2005/03/29																																			
APPROVED BY	DATE																																			
MLONG	2010/10/04																																			
B14	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3 °	SEE TABLE		MATERIAL NO.		MOLEX INCORPORATED		SHEET NO.																											

2.54MM PITCH SINGLE ROW
SINGLE WAFER SMT HEADER



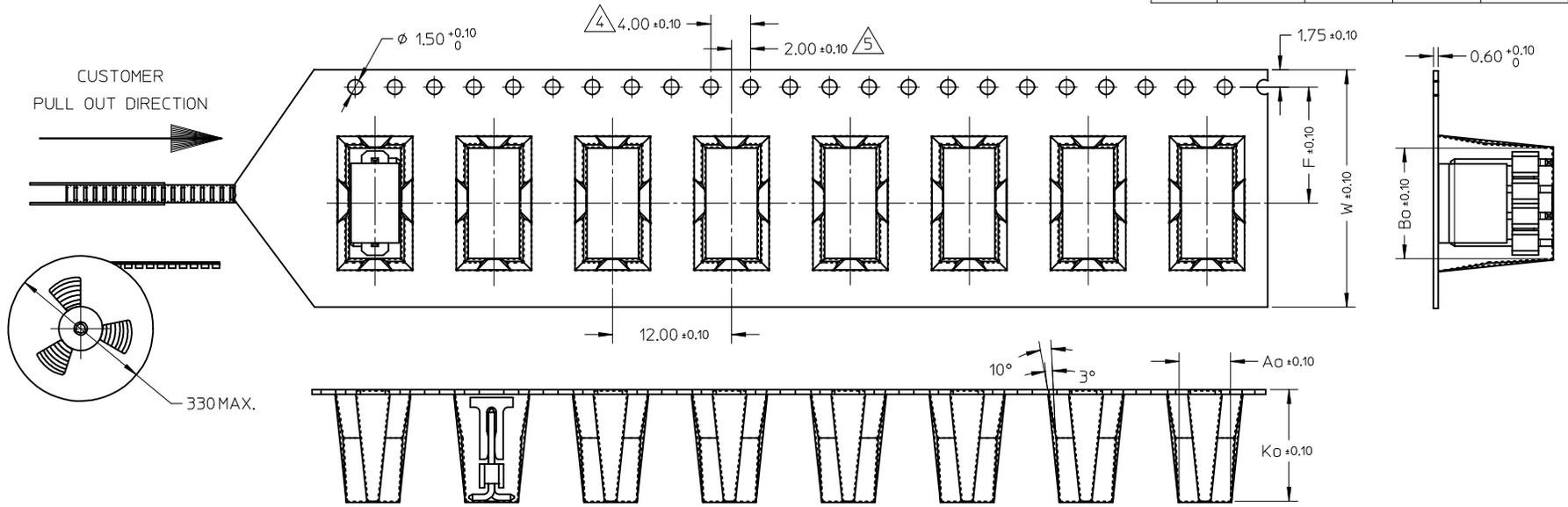
MOLEX INCORPORATED

DOCUMENT NO. SD-87898-001 SHEET NO. 16 OF 21

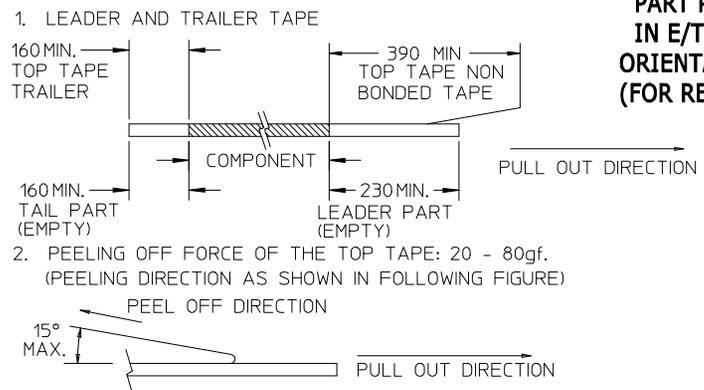
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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:



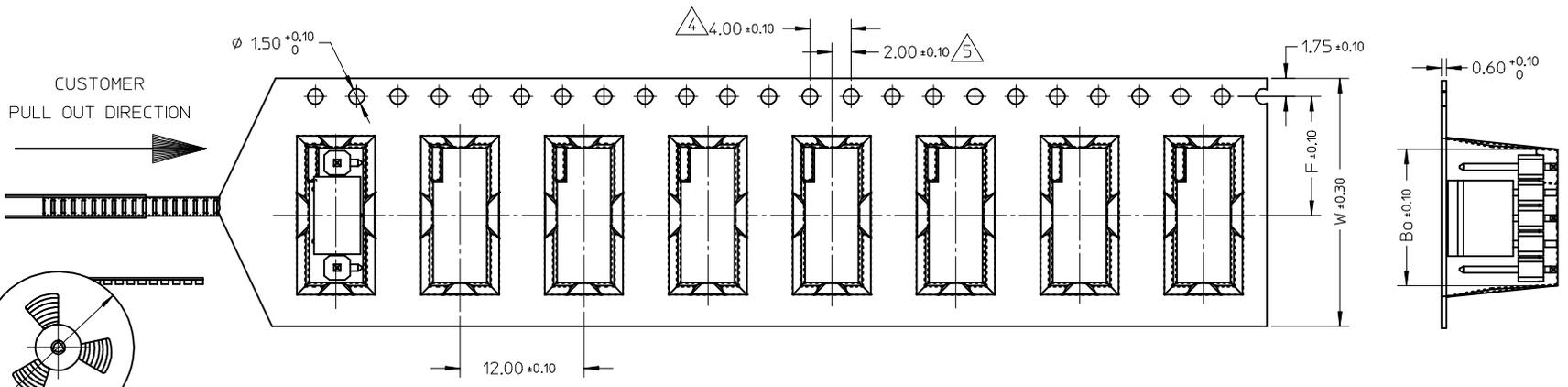
PART PACK IN E/TAPE ORIENTATION (FOR REF USE)

- 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 0.30 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 OHMS.

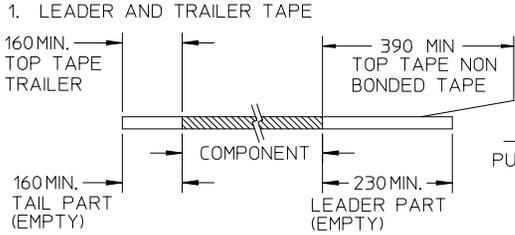
SEE SHEET 21 EC NO: S2016-0687 DRW:MRAMAKRI SHINA 2016/02/01 CHKD:MRAMAKRI SHINA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	$\nabla_A = 0$	4 PLACES	mm	INCH	DRAWN BY YLOIAO	DATE 2005/03/14	TITLE CUSTOM HEADER	
	$\nabla_C = 0$	3 PLACES	\pm ---	\pm ---	CHECKED BY PTLIM	DATE 2005/03/29	2.54MM PITCH SINGLE ROW	
	$\nabla_B = 0$	2 PLACES	± 0.2	\pm ---	APPROVED BY MLONG	DATE 2010/10/04	SINGLE WAFER SMT HEADER	
		1 PLACE	\pm ---	\pm ---	MATERIAL NO. SEE TABLE		MOLEX INCORPORATED	
		ANGULAR $\pm 3^\circ$		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NO. SD-87898-001		SHEET NO. 17 OF 21
				SIZE A3		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



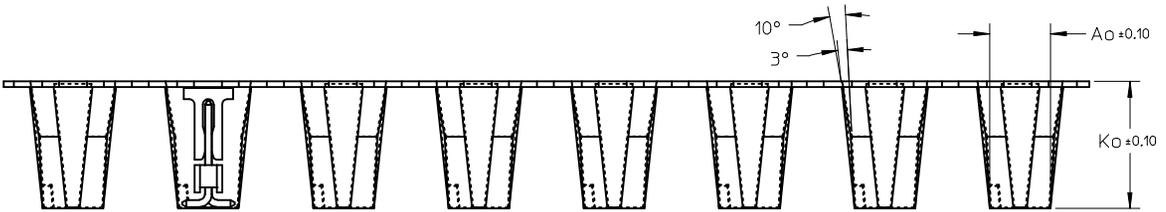
NOTES:



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



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

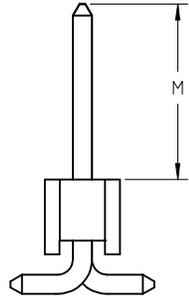
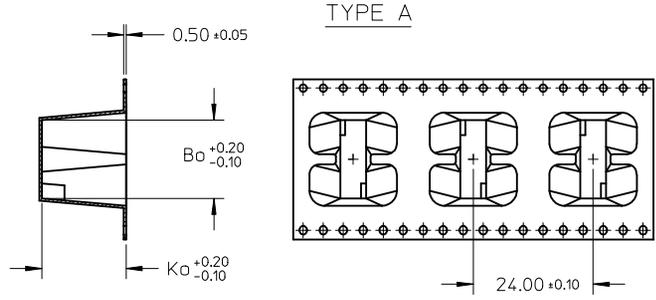


PART PACK IN E/TAPE ORIENTATION (FOR REF USE)

SEE SHEET 21 EC NO: S2016-0687 DRAWN: NRAMAKRI SHINA 2016/02/01 CHKD: NRAMAKRI SHINA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS $\nabla F = 0$ $\nabla F = 0$ $\nabla F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY YLQ1A0	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER			
		4 PLACES	\pm ---	\pm ---	CHECKED BY PTLIM	DATE 2005/03/29	MOLEX INCORPORATED			
		3 PLACES	\pm ---	\pm ---	APPROVED BY MLONG	DATE 2010/10/04				
2 PLACES	± 0.2	\pm ---	ANGULAR $\pm 3^\circ$		MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
1 PLACE	\pm ---	\pm ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87898-001		18 OF 21	
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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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			

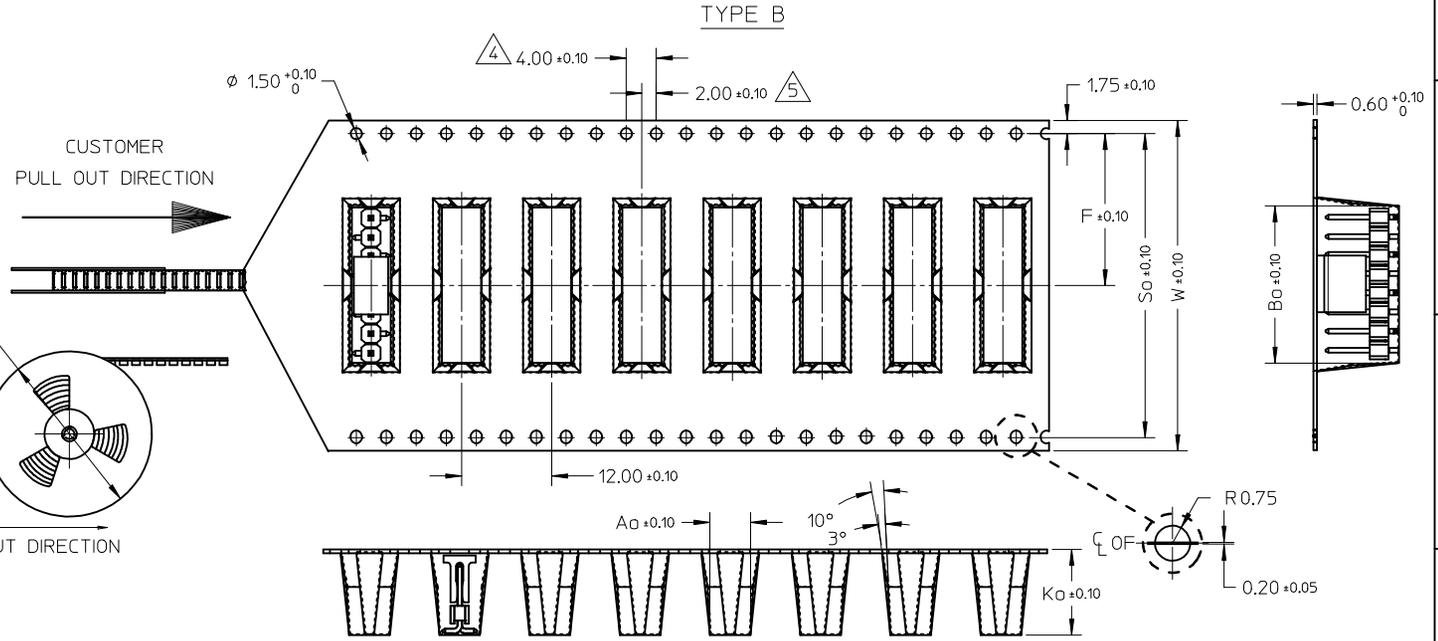


FOR ILLUSTRATION ONLY

NOTES:

- 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)
 PULL OUT DIRECTION
- PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf.
 (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
 15° MAX.
 PULL OFF DIRECTION
 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 ± 0.20 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 : SEE TABLE
- THE TAPE IS TREATED FOR ANTI-STATIC.
- ALL RADIUS ARE 0.30MM UNLESS SPECIFY
- SURFACE RESISTIVITY 10^3 TO 10 OHMS.

- SEE SHEET 21
- EC NO: S2016-0687
- DRW: MRAMAKRI SHINA 2016/02/01
- CHKD: MRAMAKRI SHINA 2016/02/01
- APPR: ISHWARG 2016/04/13

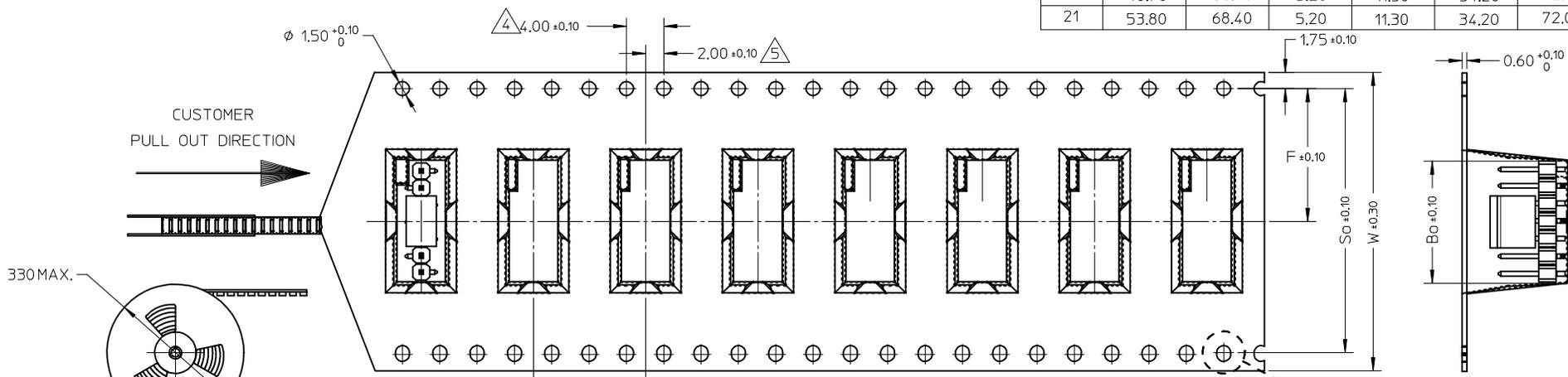


PART PACK IN E/TAPE ORIENTATION(FOR REF USE)

QUALITY SYMBOLS $\nabla F=0$ $\nabla F=0$ $\nabla F=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			MM ONLY		NTS	METRIC		
	4 PLACES	\pm ---	\pm ---	DRAWN BY	DATE	TITLE		
	3 PLACES	\pm ---	\pm ---	YLQ1A0	2005/03/14	CUSTOM HEADER		
2 PLACES	± 0.2	\pm ---	CHECKED BY	DATE	2.54MM PITCH SINGLE ROW			
1 PLACE	\pm ---	\pm ---	PTL IM	2005/03/29	SINGLE WAFER SMT HEADER			
ANGULAR $\pm 3^\circ$			APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MLONG	2010/10/04	SD-87898-001			
			MATERIAL NO.	SEE TABLE	DOCUMENT NO.		SHEET NO.	
			SIZE	A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		19 OF 21	

10 9 8 7 6 5 4 3 2 1

CKT	DIMENSION					
	Bo	So	Ao	Ko	F	W
7	18.20	40.40	5.20	11.30	20.20	44.00
9	23.25	40.40	5.20	11.30	20.20	44.00
11	28.35	40.40	5.20	11.30	20.20	44.00
13	33.40	52.40	5.20	11.30	26.20	56.00
15	38.50	52.40	5.20	11.30	26.20	56.00
17	43.60	68.40	5.20	11.30	34.20	72.00
19	48.70	68.40	5.20	11.30	34.20	72.00
21	53.80	68.40	5.20	11.30	34.20	72.00



NOTES:

- LEADER AND TRAILER TAPE
 160MIN. TOP TAPE TRAILER
 160MIN. TAIL PART (EMPTY)
 390 MIN TOP TAPE NON BONDED TAPE
 230MIN. LEADER PART (EMPTY)
 PULL OUT DIRECTION
- PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf.
 (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)
 15° MAX.
 PEEL OFF DIRECTION
 PULL OUT DIRECTION

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

- MATERIAL: BLACK P.S CONDUCTIVE, BLACK MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
- CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS ±0.20mm
- A0 AND B0 ARE MEASURE 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 RADII ARE 0.30MM UNLESS SPECIFY
- SURFACE RESISTIVITY 10³ TO 10 OHMS.

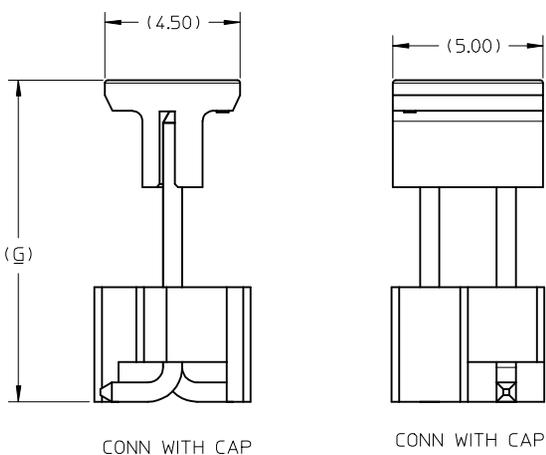
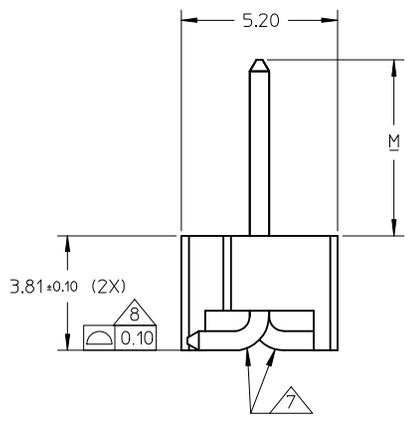
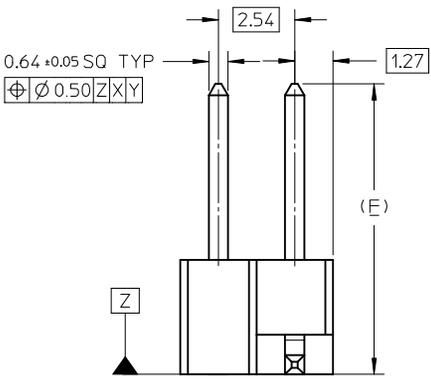
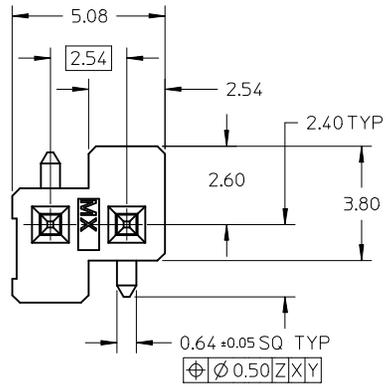
SEE SHEET 21 EC NO: S2016-0687 DRW:MRAMAKRI SHINA 2016/02/01 CHKD:MRAMAKRI SHINA 2016/02/01 APPR: ISHWARG 2016/04/13	QUALITY SYMBOLS F=0 E=0 E=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY YLQIAO	DATE 2005/03/14	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER		
B14	REV	4 PLACES	± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29	MOLEX INCORPORATED	
		3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2010/10/04	DOCUMENT NO. SD-87898-001	SHEET NO. 20 OF 21
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		SEE TABLE		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

PACKAGING OPTION PART NO.						CKT SIZE	PLATING TYPE	DIMENSION		
TRAY WITHOUT CAP	TRAY WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP			G	F	M
-----	-----	-----	-----	-----	87898-0218	2	4	10.69	9.65	5.84
-----	-----	-----	-----	-----	87898-0219	2	6	10.69	9.65	5.84

- NOTES:
- MATERIAL:
 - HSG: LCP, GLASS-FILLED, UL94V-0, COLOR: BLACK
 - CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
 - PIN: 0.64MM SQ, COPPER ALLOY
 - PLATING TYPE:
 - GOLD FLASH OVER
1.25µm MIN. NICKEL OVERALL.
 - GOLD FLASH ON CONTACT AND
2.50µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - 0.38µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - 0.75µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - 2.50µm MIN. TIN OVERALL
1.25µm MIN. NICKEL OVERALL
 - PRODUCT SPECIFICATION: PS-87920-019
 - PACKAGING TYPE: SEE TABLE
 - PACKAGING SPEC:
 - TUBE WITH CAP VERSION: PK-89990-558
 - TUBE W/O CAP VERSION: PK-89990-545
 - EMBOSS TAPE WITH CAP: PK-87898-400
 - 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
 - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE
 - 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
 - RECOMMENDED PCB THICKNESS IS 1.60mm±0.10

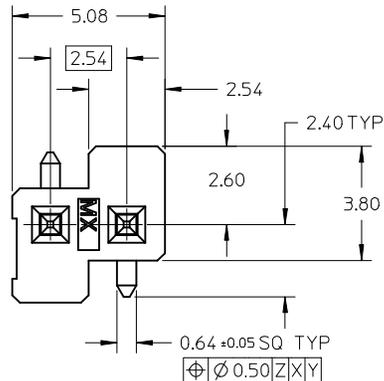
ONLY APPLICABLE TO 2CKT SIZE



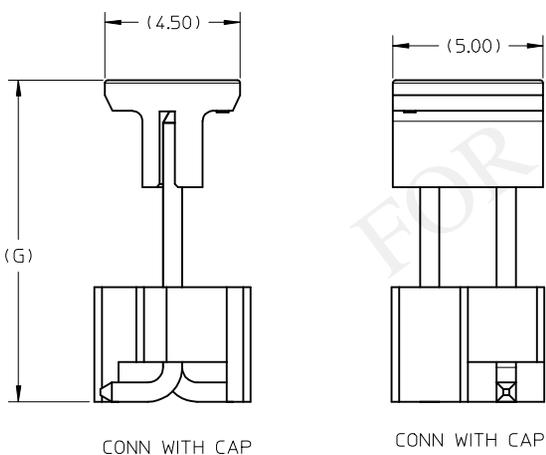
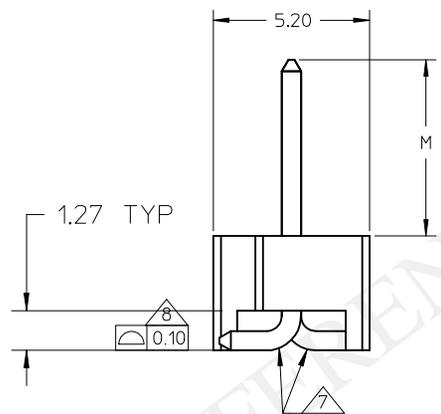
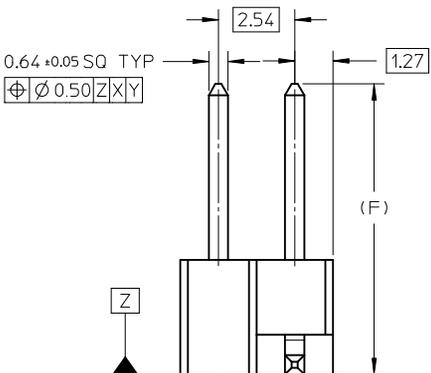
NEW P/N 87898-0219
 ADDED EC NO: S2016-0687
 DRWING: MRAMAKRI SHINA 2016/02/01
 CHKD: MRAMAKRI SHINA 2016/02/01
 APPR: ISHWARG 2016/04/13

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH	MM ONLY	NTS	METRIC		
F _A = 0	4 PLACES ± ---	± ---	DRAWN BY YLQIAO	DATE 2005/03/14	TITLE		
F _C = 0	3 PLACES ± ---	± ---	CHECKED BY PTLIM	DATE 2005/03/29	CUSTOM HEADER		
F _P = 0	2 PLACES ± 0.2	± ---	APPROVED BY MLONG	DATE 2010/10/04	2.54MM PITCH SINGLE ROW		
	1 PLACE ± ---	± ---			SINGLE WAFER SMT HEADER		
	0 PLACE ±	±			molex		
	ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87898-001		21 OF 21
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

PACKAGING OPTION PART NO.					CKT SIZE	PLATING TYPE	DIMENSION		
TRAY WITHOUT CAP	TUBE WITHOUT CAP	TUBE WITH CAP	TAPE & REEL WITHOUT CAP	TAPE & REEL WITH CAP			G	F	M
-----	-----	87898-0220	-----	-----	2	6	10.64	9.60	5.84
-----	-----	-----	-----	87898-0221	2	6	24.53	23.49	19.73



ONLY APPLICABLE TO 2CKT SIZE



- NOTES:
- MATERIAL:
 - HSG: LCP, GLASS-FILLED, UL94V-0, COLOR: BLACK
 - CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
 - PIN: 0.64MM SQ, COPPER ALLOY
 - 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
 - PRODUCT SPECIFICATION: PS-87920-019
 - PACKAGING TYPE: SEE TABLE
 - PACKAGING SPEC:
 - TUBE WITH CAP VERSION: PK-89990-558
 - TUBE W/O CAP VERSION: PK-89990-545
 - EMBOSS TAPE WITH CAP: PK-87898-400
 - 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
 - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE
 - 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
 - RECOMMENDED PCB THICKNESS IS 1.60mm±0.10
 - THE ABOVE 2CKT IS FOR ILLUSTRATION PURPOSE ONLY.

NEW P/N 87898-0221 ADDED EC NO: S2017-0142 DRWING: MRAMAKR SHINA 2016/09/08 CHKD: CHKD: APPR: MRAMAKR SHINA 2016/09/20	QUALITY SYMBOLS F _A =0 F _G =0 F _P =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	MM ONLY	NTS	METRIC	
2	DESCRIPTION	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE
		3 PLACES	± ---	± ---	MRAMAKR SHINA 2016/07/05		CUSTOM HEADER 2.54MM PITCH SINGLE ROW SINGLE WAFER SMT HEADER
2 PLACES	± 0.2	± ---	CHECKED BY	DATE			
1 PLACE	± ---	± ---	APPROVED BY	DATE			
0 PLACE	±	±	MRAMAKR SHINA 2016/07/13				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.	SHEET NO.
		SEE TABLE		SD-87898-004		1 OF 1	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							