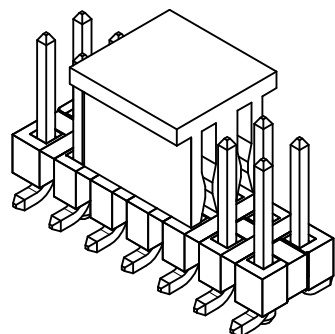
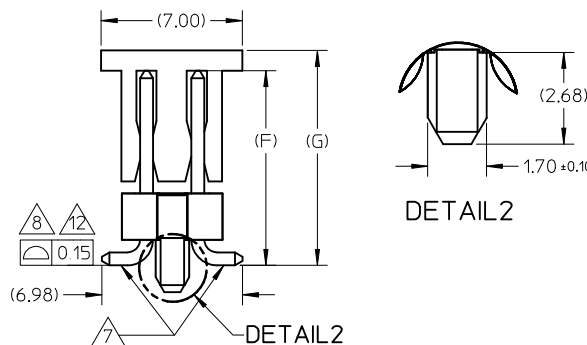
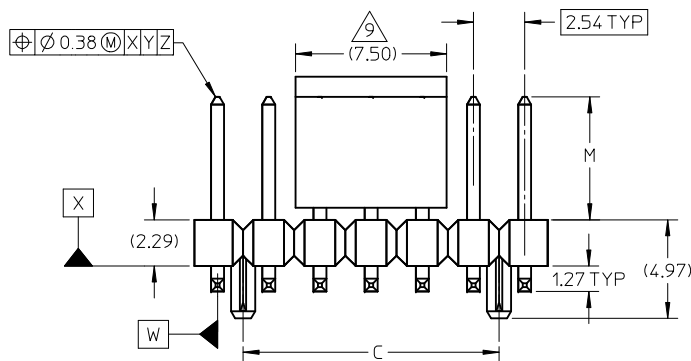
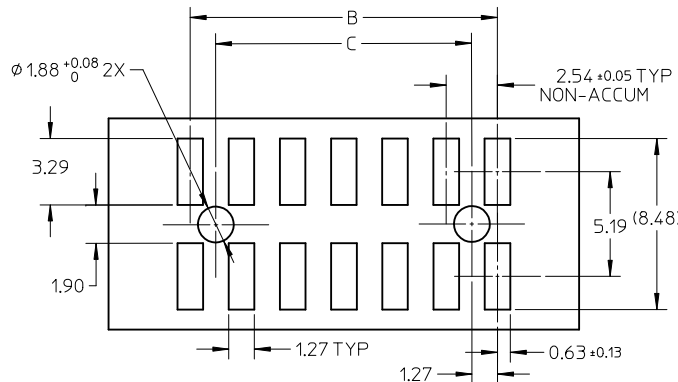
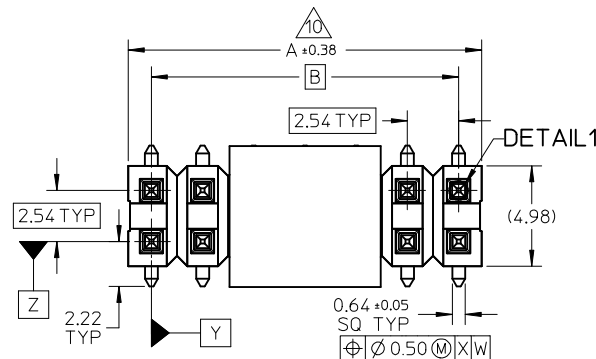


NOTES:

1. MATERIAL:

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

2. PLATING TYPE:

- (1) 0.38 μ m MIN. GOLD PLATE ON CONTACT AND 2.00 μ m MIN. TIN ON SOLDER TAIL OVER 1.25 μ m MIN. NICKEL OVERALL.
- (2) 0.75 μ m MIN. GOLD PLATE ON CONTACT AND 2.00 μ m MIN. TIN ON SOLDER TAIL OVER 1.25 μ m MIN. NICKEL OVERALL.
- (3) 2.50 μ m MIN. TIN OVERALL 1.25 μ m MIN. NICKEL OVERALL

3. PACKAGING TYPE: SEE TABLE

4. PCB THICKNESS 1.60+/-0.10mm

5. PRODUCT SPECIFICATION: PS-87920-019

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. 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

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

11. PARTS ARE NOT STACKABLE ON 2.54 CENTER

12. COPLANARITY FOR SIZES UP TO 40 IS 0.15MM.

13. THE ABOVE CKT 14 IS FOR ILLUSTRATION PURPOSE ONLY

14. TUBE LENGTH IS 560MM PER STANDARD

15. CKT 4 & 6 TO BE PACKED IN BULK/TRAY PACKING

16. PACKAGING SPECIFICATION: TUBE: PK-89990-478

TAPE & REEL : PK-89990-479

ADD P/N: 87920-9120 EC NO: S2011-0043 2010/07/14 DRW:SKANG CHKD:ATSEE 2010/08/02 APPR:MLONG 2010/08/03	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	DESCRIPTION	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 SKLIM01	DATE 2006/02/09	TITLE CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT			
						CHECKED BY PATEY	DATE 2006/02/16				
						APPROVED BY MLONG	DATE 2010/02/08				
				ANGULAR ± 3 °							
D6	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3		SEE TABLE		DOCUMENT NO. SD-87920-020	SHEET NO. 1 OF 11
						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

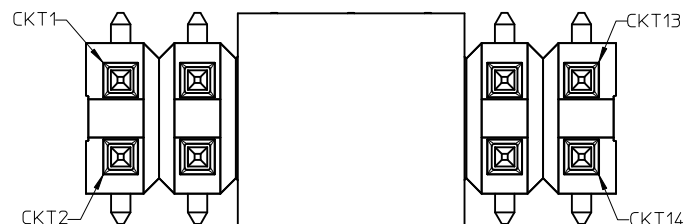
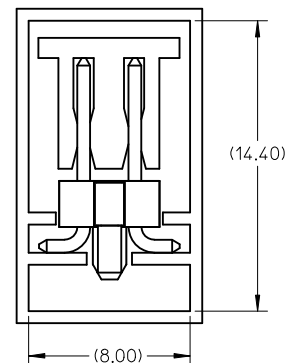
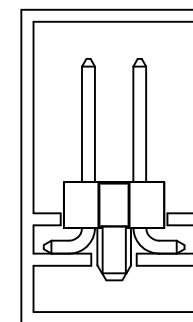
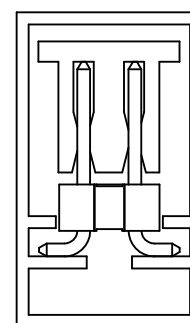
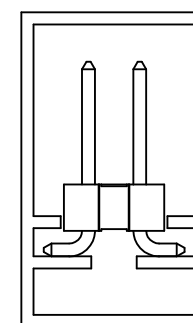
E

D

C

B

A

CIRCUITS POSITION
CONFIGURATIONPART PACKED IN
TUBE ORIENTATIONPART WITH PEGS
WITH CAP IN TUBEPART WITH PEGS
WITHOUT CAP IN TUBEPART WITHOUT PEGS
WITH CAP IN TUBEPART WITHOUT PEGS
WITHOUT CAP IN TUBE

ADD P/N: 87920-9120 EC NO: S2011-0043 DRWN:SKANG CHKD:ATSEE APPR:MLONG	2010/07/14 2010/08/02 2010/08/03	DESCRIPTION REV	QUALITY SYMBOLS FA=0 FG=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
						DRAWN BY SKL IM01	DATE 2006/02/09	TITLE CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT MOLEX INCORPORATED		
						CHECKED BY PATEY	DATE 2006/02/16			
						APPROVED BY MLONG	DATE 2010/02/08			
				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				

9

8

7

6

5

4

3

2

1

10

9

8

7

6

5

4

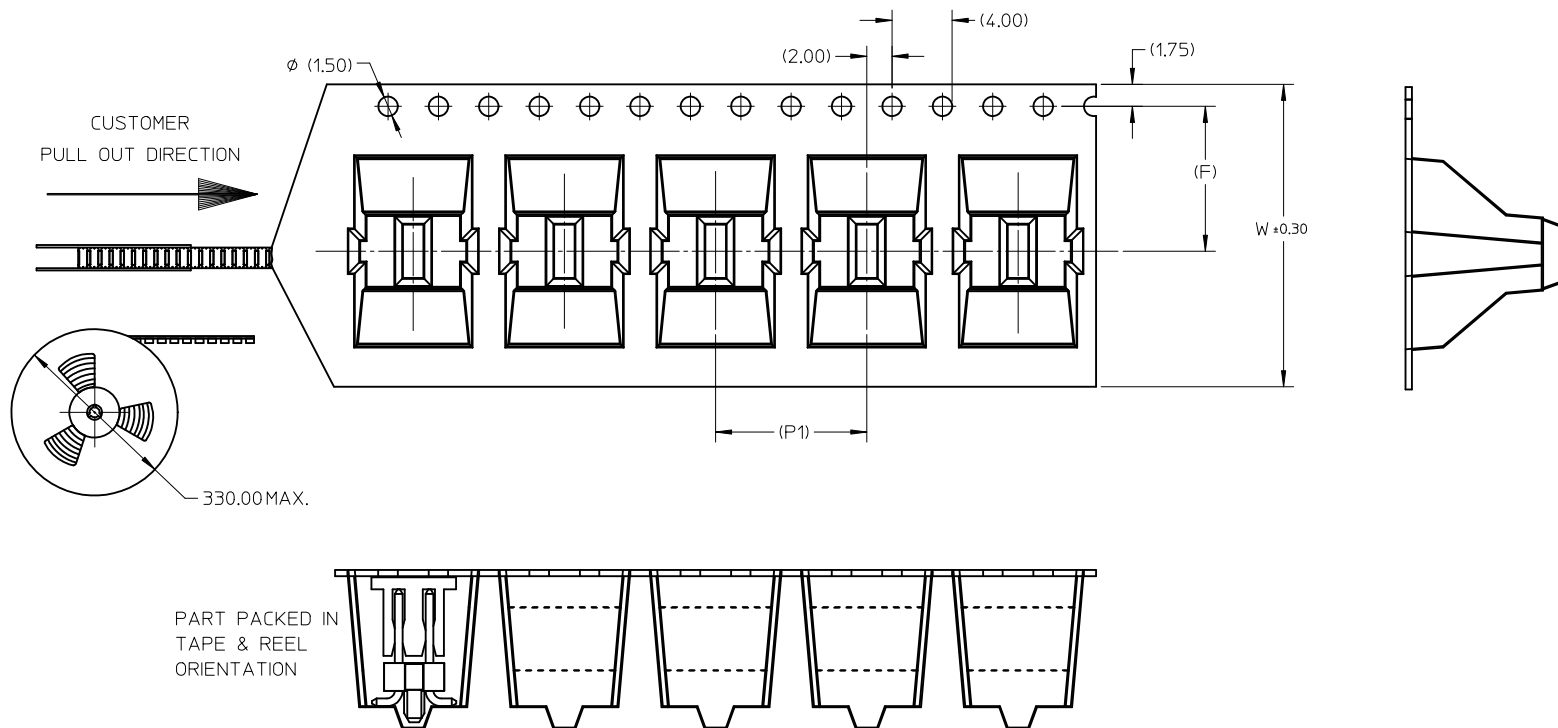
3

2

1

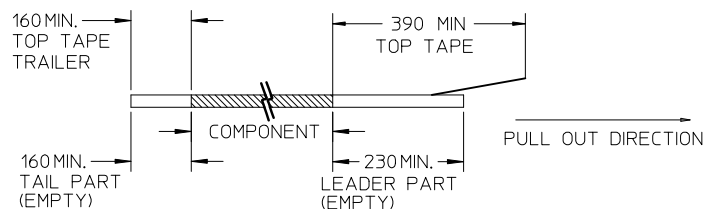
CKT	F	P1	W
06	11.50	12.00	24.00

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 06 ONLY

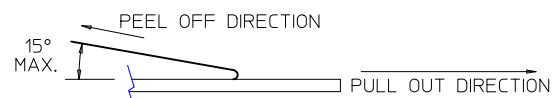


NOTES:

1. LEADER AND TRAILER TAPE



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



- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 440PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.

ADD P/N: 87920-9120 EC NO: S2011-0043 DRWN:SKANG CHKD:ATSEE APPR:MLONG	2010/07/14 2010/08/02 2010/08/03	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY SKLIM01	DATE 2006/02/09	TITLE CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT MOLEX MOLEX INCORPORATED		
				4 PLACES	± ---	± ---	CHECKED BY PATEY	DATE 2006/02/16			
				3 PLACES	± ---	± ---	APPROVED BY	DATE			
				2 PLACES	± 0.2	± ---	MLONG	2010/02/08			
				1 PLACE	± ---	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87920-020		SHEET NO. 4 OF 11
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							

9

8

7

6

5

4

3

2

1

10

9

8

7

6

5

4

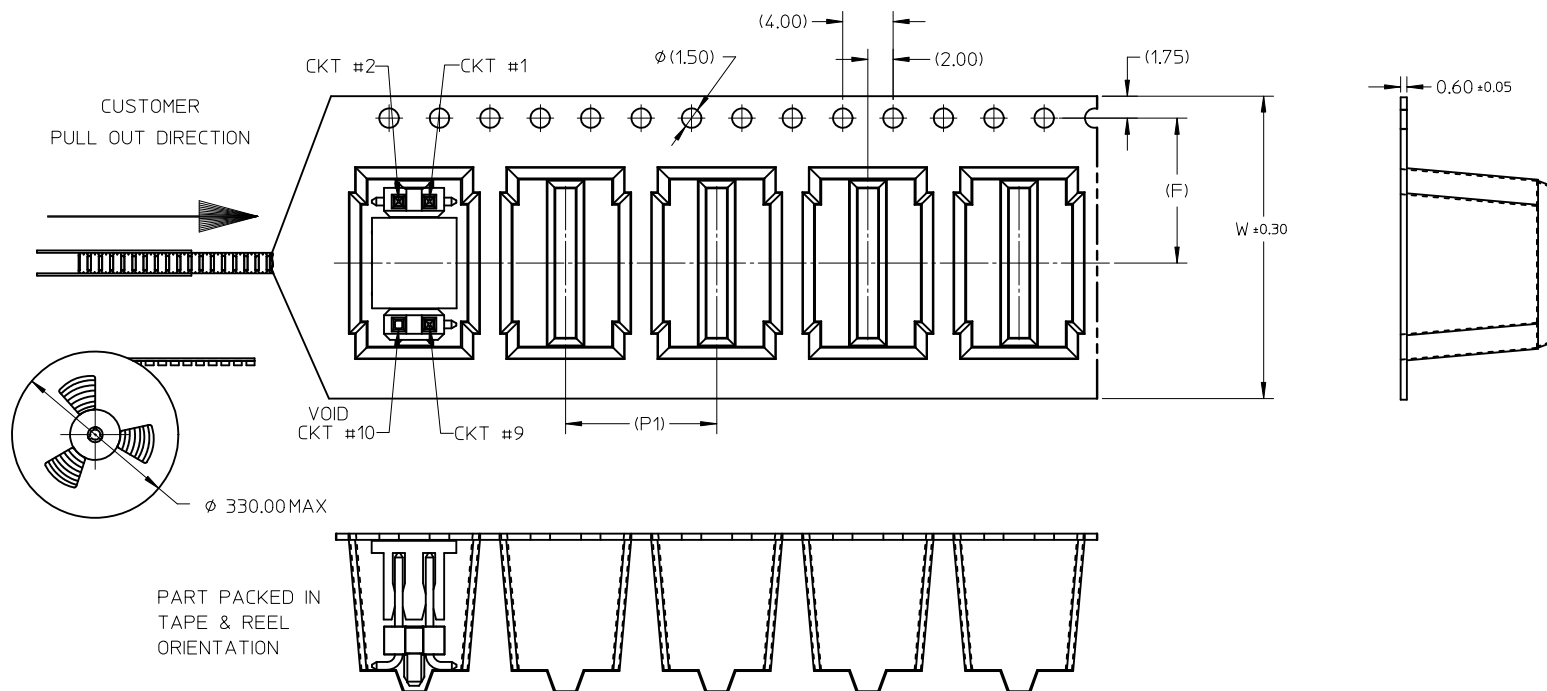
3

2

1

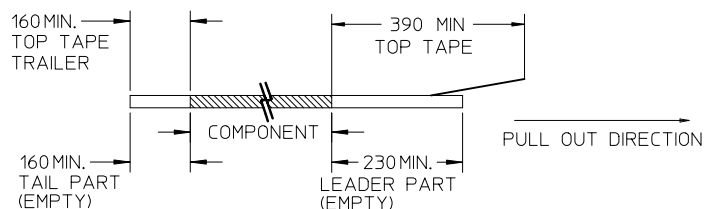
CKT	F	P1	W
08	11.50	12.00	24.00
10	11.50	12.00	24.00

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 08 AND 10 ONLY

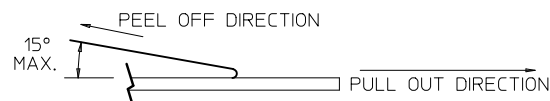


NOTES:

1. LEADER AND TRAILER TAPE



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



- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 440PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.
- ATTACHED ABOVE CONNECTOR IN T&R WITH VOID CKT#10 IS FOR ILLUSTRATION ONLY.

ADD P/N: 87920-9120 EC NO: S2011-0043 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2010/07/14 2010/08/02 2010/08/03	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 SKLIM01	DATE 2006/02/09	CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT MOLEX INCORPORATED SD-87920-020	
				4 PLACES	± ---	CHECKED BY PATEY	DATE 2006/02/16		
				3 PLACES	± ---	APPROVED BY MLONG	DATE 2010/02/08		
D6	REV	ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		5 OF 11	
				SIZE A3					

9

8

7

6

5

4

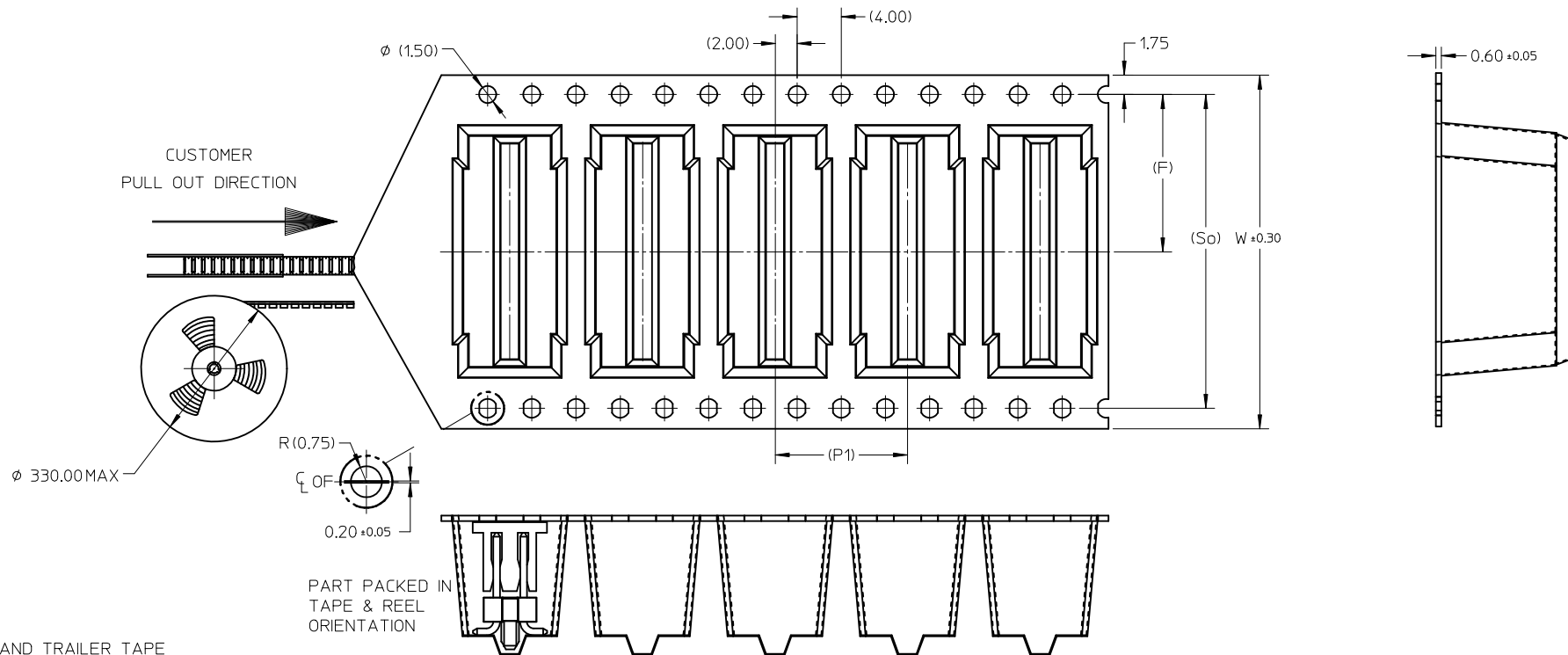
3

2

1

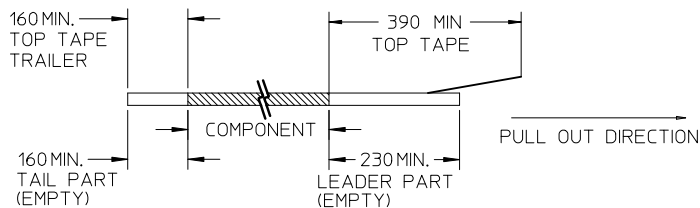
CKT	F	P1	So	W
12	14.20	12.00	28.40	32.00
14	14.20	12.00	28.40	32.00
16	14.20	12.00	28.40	32.00
20	20.20	12.00	40.40	44.00

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 12, 14, 16 AND 20

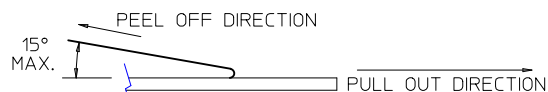


NOTES:

1. LEADER AND TRAILER TAPE



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



- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 440PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.

ADD P/N: 87920-9120
EC NO: S2011-0043
2010/07/14
DRWNSKANG
2010/08/02
CHKD:ATSEE
2010/08/03
APPR:MLONG

QUALITY SYMBOLS
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.2	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
ANGULAR $\pm 3^\circ$		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
SKL IM01	2006/02/09
CHECKED BY	DATE
PATEY	2006/02/16
APPROVED BY	DATE
MLONG	2010/02/08

MATERIAL NO.
SEE TABLE

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
CUSTOM HEADER
2.54MM PITCH DUAL ROW
HEADER SINGLE WAFER SMT

MOLEX INCORPORATED

DOCUMENT NO.
SD-87920-020

SHEET NO.
6 OF 11

10

9

8

7

6

5

4

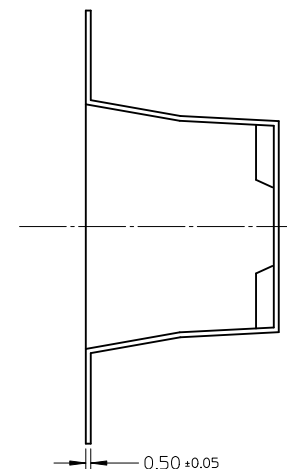
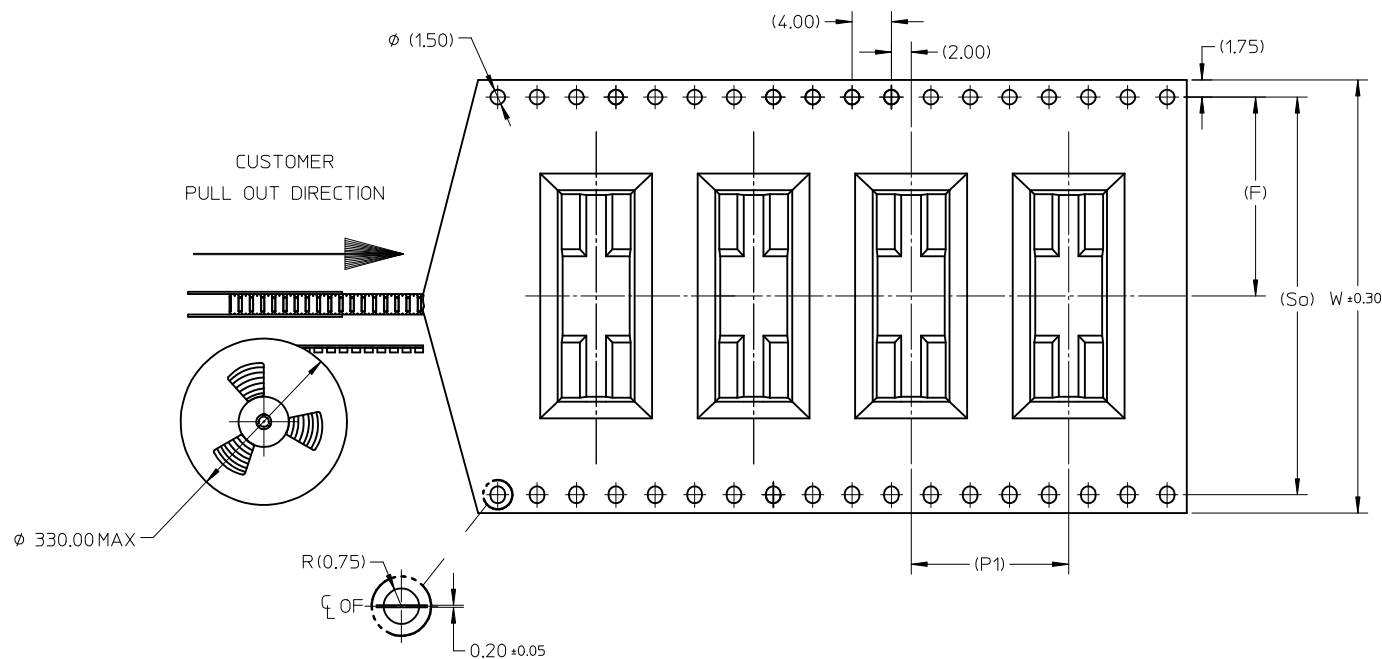
3

2

1

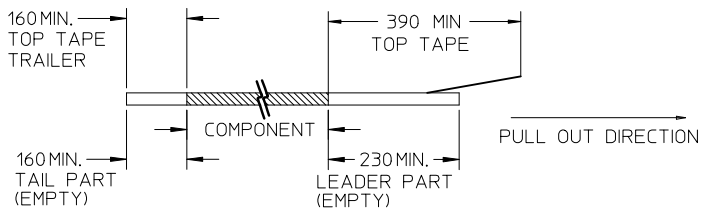
CKT	F	P1	So	W
40	34.20	16.00	68.50	72.00

THIS TYPE OF CARRIER TAPE IS FOR CKT SIZE 40

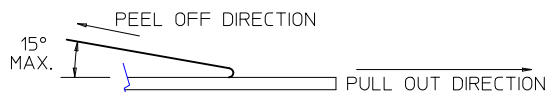


NOTES:

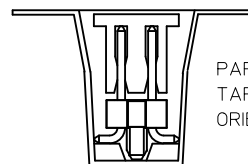
1. LEADER AND TRAILER TAPE



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



- PACKAGING STANDARD IS AS PER EIA-481.
- TAPE & REEL QUANTITY = 250PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.



PART PACKED IN
TAPE & REEL
ORIENTATION

ADD P/N: 87920-9120		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
REV		DESCRIPTION		mm		INCH		NTS		METRIC			
D6		REV		4 PLACES		± ---		DRAWN BY		DATE		TITLE	
				3 PLACES		± ---		SKLIM01		2006/02/09		CUSTOM HEADER	
				2 PLACES		± 0.2		CHECKED BY		DATE		2.54MM PITCH DUAL ROW	
				1 PLACE		± ---		PATEY		2006/02/16		HEADER SINGLE WAFER SMT	
						ANGULAR ± 3 °		APPROVED BY		DATE		MOLEX INCORPORATED	
								MLONG		2010/02/08		SD-87920-020	
								MATERIAL NO.		DOCUMENT NO.		7 OF 11	
								SEE TABLE					
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

	10		9		8			7		6		5		4		3			2		1						
F	PART NUMBER IN PACKAGING OPTION				CKT SIZE	PEG	PLATE OPT.	DIMENSION						PART NUMBER IN PACKAGING OPTION				CKT SIZE	PEG	PLATE OPT.	DIMENSION						F
	TAPE & REEL W/O CAP	TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP				A	B	C	F	G	M	TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP	A				B	C	F	G	M		
	87920-9120	87920-9119	87920-9124	87920-9127	12	N	1	15.24	12.70	-----	9.66	10.66	6.10	-----	87920-8124	87920-8127	12	Y	1	15.24	12.70	10.16	9.66	10.66	6.10		
	-----	-----	87920-9125	87920-9128	12	N	2	15.24	12.70	-----	9.66	10.66	6.10	-----	87920-8125	87920-8128	12	Y	2	15.24	12.70	10.16	9.66	10.66	6.10		
	-----	-----	87920-9126	87920-9129	12	N	3	15.24	12.70	-----	9.66	10.66	6.10	-----	87920-8126	87920-8129	12	Y	3	15.24	12.70	10.16	9.66	10.66	6.10		
E	-----	87920-9115	87920-9144	87920-9147	14	N	1	17.78	15.24	-----	9.66	10.66	6.10	87920-8115	87920-8144	87920-8147	14	Y	1	17.78	15.24	12.70	9.66	10.66	6.10		
	-----	87920-9215	87920-9145	87920-9148	14	N	2	17.78	15.24	-----	9.66	10.66	6.10	87920-8215	87920-8145	87920-8148	14	Y	2	17.78	15.24	12.70	9.66	10.66	6.10		
	-----	87920-9315	87920-9146	87920-0014	14	N	3	17.78	15.24	-----	9.66	10.66	6.10	87920-8315	87920-8146	87920-8149	14	Y	3	17.78	15.24	12.70	9.66	10.66	6.10		
D	-----	87920-9116	87920-9164	87920-9167	16	N	1	20.32	17.78	-----	9.66	10.66	6.10	87920-8116	87920-8164	87920-8167	16	Y	1	20.32	17.78	15.24	9.66	10.66	6.10		
	-----	87920-9216	87920-9165	87920-9168	16	N	2	20.32	17.78	-----	9.66	10.66	6.10	87920-8216	87920-8165	87920-8168	16	Y	2	20.32	17.78	15.24	9.66	10.66	6.10		
	-----	87920-9316	87920-9166	87920-9169	16	N	3	20.32	17.78	-----	9.66	10.66	6.10	87920-8316	87920-8166	87920-8169	16	Y	3	20.32	17.78	15.24	9.66	10.66	6.10		
C	-----	-----	87920-9184	87920-9187	18	N	1	22.86	20.32	-----	9.66	10.66	6.10	-----	87920-8184	87920-8187	18	Y	1	22.86	20.32	17.78	9.66	10.66	6.10		
	-----	-----	87920-9185	87920-9188	18	N	2	22.86	20.32	-----	9.66	10.66	6.10	-----	87920-8185	87920-8188	18	Y	2	22.86	20.32	17.78	9.66	10.66	6.10		
	-----	-----	87920-9186	87920-9189	18	N	3	22.86	20.32	-----	9.66	10.66	6.10	-----	87920-8186	87920-8189	18	Y	3	22.86	20.32	17.78	9.66	10.66	6.10		
	-----	87920-9117	87920-9204	87920-9207	20	N	1	25.40	22.86	-----	9.66	10.66	6.10	87920-8117	87920-8204	87920-8207	20	Y	1	25.40	22.86	20.32	9.66	10.66	6.10		
	-----	87920-9217	87920-9205	87920-9208	20	N	2	25.40	22.86	-----	9.66	10.66	6.10	87920-8217	87920-8205	87920-8208	20	Y	2	25.40	22.86	20.32	9.66	10.66	6.10		
	-----	87920-9317	87920-9206	87920-9209	20	N	3	25.40	22.86	-----	9.66	10.66	6.10	87920-8317	87920-8206	87920-8209	20	Y	3	25.40	22.86	20.32	9.66	10.66	6.10		

A	B	ADD P/N: 87920-9120 EC NO: S2011-0043 DRWN:SKANG CHKD:ATSEE APPR:MLONG	2010/07/14 2010/08/02 2010/08/03	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
								MM ONLY		NTS	METRIC		
								DRAWN BY DATE		CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER SMT MOLEX INCORPORATED			
								SKL IM01 2006/02/09					
								CHECKED BY DATE					
								PATEY 2006/02/16		MOLEX SD-87920-020			
								APPROVED BY DATE					
								MLONG 2010/02/08		MATERIAL NO. DOCUMENT NO. SHEET NO.			
								ANGULAR ± 3 °					
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87920-020	
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

