

RECOMMENDED PCB PATTERN

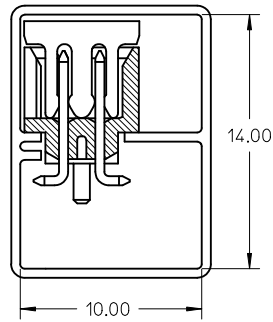
CKT SIZE	A	B	C	D	E	F
4	6.65	4.85	2.00	-----	-----	5.00
6	8.65	6.85	4.00	-----	2.00	7.00
8	10.65	8.85	6.00	-----	4.00	9.00
10	12.65	10.85	8.00	-----	6.00	11.00
12	14.65	12.85	10.00	-----	8.00	13.00
14	16.65	14.85	12.00	8.00	10.00	15.00
16	18.65	16.85	14.00	10.00	12.00	17.00
18	20.65	18.85	16.00	12.00	14.00	19.00
20	22.65	20.85	18.00	14.00	16.00	21.00
22	24.65	22.85	20.00	16.00	18.00	23.00
24	26.65	24.85	22.00	18.00	20.00	25.00
26	28.65	26.85	24.00	20.00	22.00	27.00
28	30.65	28.85	26.00	22.00	24.00	29.00
30	32.65	30.85	28.00	24.00	26.00	31.00
32	34.65	32.85	30.00	26.00	28.00	33.00
34	36.65	34.85	32.00	28.00	30.00	35.00
36	38.65	36.85	34.00	30.00	32.00	37.00
38	40.65	38.85	36.00	32.00	34.00	39.00
40	42.65	40.85	38.00	34.00	36.00	41.00
42	44.65	42.85	40.00	36.00	38.00	43.00
44	46.65	44.85	42.00	38.00	40.00	45.00
46	48.65	46.85	44.00	40.00	42.00	47.00
48	50.65	48.85	46.00	42.00	44.00	49.00
50	52.65	50.85	48.00	44.00	46.00	51.00

- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
  - MATERIAL :  
HOUSING & CAP : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK.  
PIN : 0.50MM SQ.PHOSPHOR BRONZE.
  - PLATING : SEE SHEET 4 FOR PART NUMBER LEGEND
  - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
  - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE.
  - NO SIDE LOCKING SLOT FROM 4 TO 12 CKT SIZE.
  - CKT 4 & 6 HAS NO IDENTIFICATION TAG.
  - POSITION OF CAP TO BE LOCATED AT CENTER OF DIMENSION 'A' REGARDLESS OF CIRCUIT SIZE.
  - TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK-&PLACE BY VACUUM SUCTION NOZZLE.
  - THIS HEADER MATES WITH MOLEX:
    - CRIMP RECEPTACLE HOUSING, 51110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.
    - 2MM MILLIGRID DUAL ROW IDT, 87568 SERIES.
  - NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 AND 6.
  - PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.

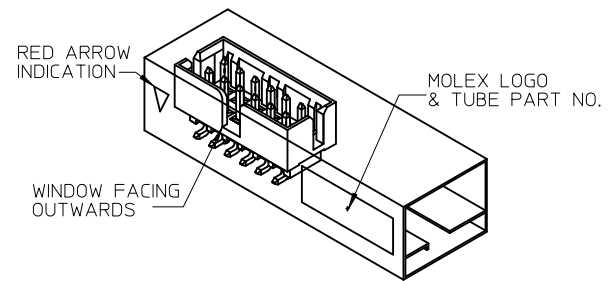
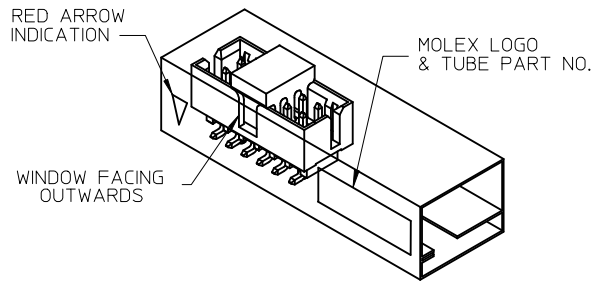
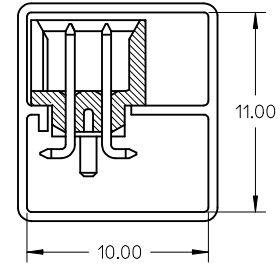
CORRECT PART ILLUSTRATION EC NO: S2012-0647 DRWN:SKANG CHKD:ATSEE APPR:MLONG	REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY ATSEE	DATE 2003/10/14	TITLE MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK & PLACE IN TUBE AND T&R			
			4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY KCLING	DATE 2003/11/07	MOLEX MOLEX INCORPORATED			
			2 PLACES ± 0.2 ± ---	1 PLACE ± --- ± ---	APPROVED BY SKTOH	DATE 2003/11/07	DOCUMENT NO. SD-87832-006			
A13			ANGULAR ± 3 °		MATERIAL NO. SEE TABLE		SHEET NO. 1 OF 4			
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					

TUBE PACKAGING

WITH CAP IN TUBE



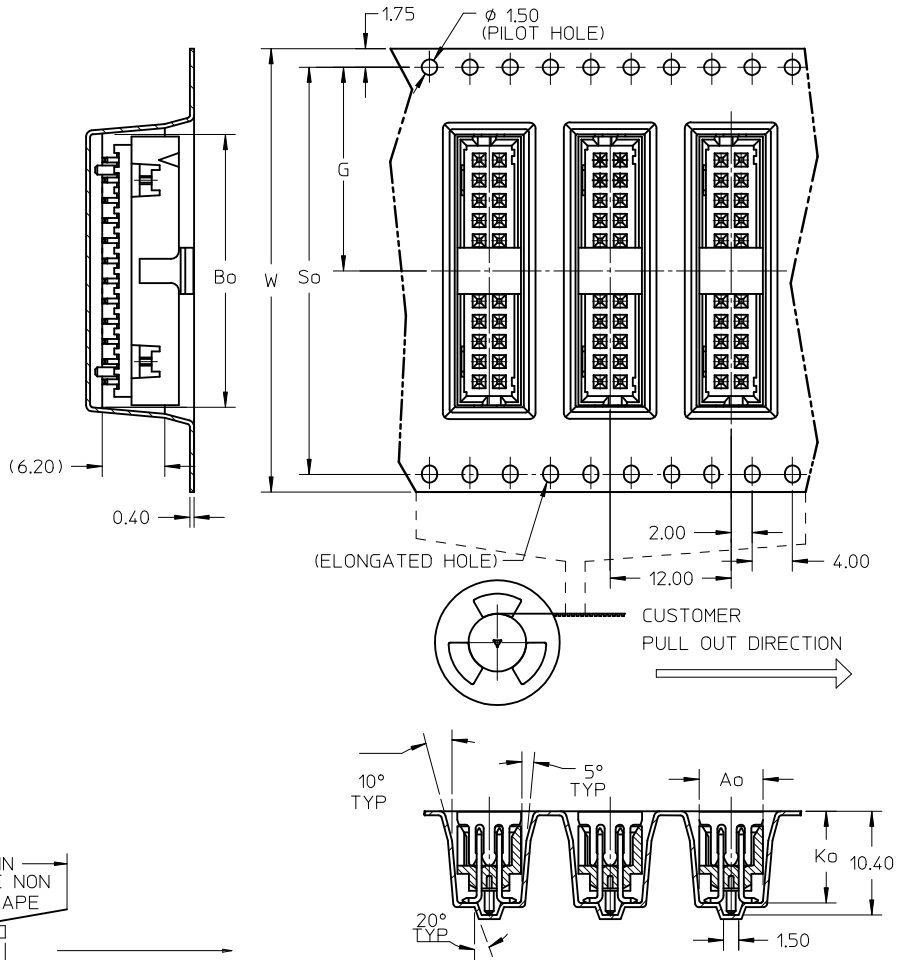
WITHOUT CAP IN TUBE



REF : ORIENTATION OF PART IN TUBE  
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY)

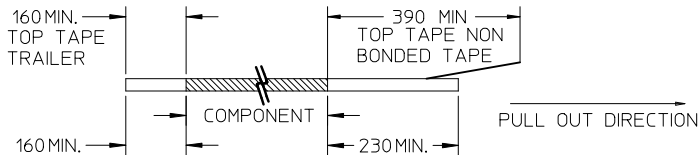
CORRECT PART ILLUSTRATION EC NO: S2012-0647 DRWN:SKANG 2012/02/22 CHKD:ATSEE 2012/04/30 APPR:MLONG 2012/05/03	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		$\nabla=0$ $\sphericalangle=0$	mm	INCH	DRAWN BY ATSEE	DATE 2003/10/14	TITLE MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK & PLACE IN TUBE AND T&R					
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.2 ± ---	1 PLACE ± --- ± ---	CHECKED BY KCLING	DATE 2003/11/07	MOLEX INCORPORATED				
		ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY SKTOH	DATE 2003/11/07	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87832-006	SHEET NO. 2 OF 4		
A13				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

EMBOSSED CARRIER TAPE LAYOUT  
24 CKT USE FOR ILLUSTRATION ONLY



NOTES:

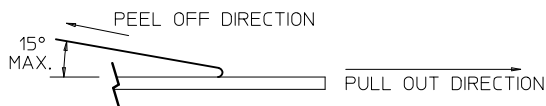
1. LEADER AND TRAILER TAPE



TAIL PART (EMPTY)

LEADER PART (EMPTY)

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



3. PACKAGING STANDARD IS AS PER EIA-481.

CORRECT PART ILLUSTRATION EC NO: S2012-0647 DRWN:SKANG 2012/02/22 CHKD:ATSEE 2012/04/30 APPR:MLONG 2012/05/03	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		mm	INCH	MM ONLY	NTS	METRIC		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY	DATE	TITLE		
		2 PLACES ± 0.2 ± ---	1 PLACE ± --- ± ---	ATSEE	2003/10/14	MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK & PLACE IN TUBE AND T&R		
	ANGULAR ± 3 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY	DATE	MOLEX INCORPORATED		
				APPROVED BY	DATE	DOCUMENT NO.		
				SKTOH	2003/11/07	SD-87832-006		
				MATERIAL NO.	SHEET NO.			
				SEE TABLE	3 OF 4			
A13	REV			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

REG. OPTION	P/N W/O CAP IN TUBE	P/N W/CAP IN TUBE	P/N W/CAP IN TAPE & REEL	CKT SIZE	DIMENSION					
					W	G	Bo	So	Ao	Ko
NO	87832-04*0	87832-04*2	87832-51*2	4	16.00	7.50	7.15	-----	6.40	9.30
YES	87832-06*0	87832-06*2	87832-52*2	6	24.00	11.50	9.15	-----	6.40	9.30
YES	87832-08*0	87832-08*2	87832-53*2	8	24.00	11.50	11.05	-----	6.40	9.30
YES	87832-10*0	87832-10*2	87832-54*2	10	24.00	11.50	13.05	-----	6.40	9.30
YES	87832-12*0	87832-12*2	87832-55*2	12	32.00	14.20	15.15	28.40	6.85	9.30
YES	87832-14*0	87832-14*2	87832-56*2	14	32.00	14.20	17.05	28.40	6.40	9.30
YES	87832-16*0	87832-16*2	87832-57*2	16	32.00	14.20	19.05	28.40	6.40	9.30
YES	87832-18*0	87832-18*2	87832-58*2	18	44.00	20.20	21.05	40.40	6.40	9.30
YES	87832-20*0	87832-20*2	87832-59*2	20	44.00	20.20	23.05	40.40	6.40	9.30
YES	87832-22*0	87832-22*2	87832-60*2	22	44.00	20.20	25.05	40.40	6.40	9.30
YES	87832-24*0	87832-24*2	87832-61*2	24	44.00	20.20	27.05	40.40	6.40	9.30
YES	87832-26*0	87832-26*2	87832-62*2	26	44.00	20.20	29.05	40.40	6.40	9.30
YES	87832-28*0	87832-28*2	87832-63*2	28	56.00	26.20	31.05	52.40	6.40	9.30
YES	87832-30*0	87832-30*2	87832-64*2	30	56.00	26.20	33.05	52.40	6.40	9.30
YES	87832-32*0	87832-32*2	87832-65*2	32	56.00	26.20	35.05	52.40	6.40	9.30
YES	87832-34*0	87832-34*2	87832-66*2	34	56.00	26.20	37.05	52.40	6.40	9.30
YES	87832-36*0	87832-36*2	-----	36	-----	-----	-----	-----	-----	-----
YES	87832-38*0	87832-38*2	-----	38	-----	-----	-----	-----	-----	-----
YES	87832-40*0	87832-40*2	87832-69*2	40	56.00	26.20	43.05	52.40	6.40	9.30
YES	87832-42*0	87832-42*2	-----	42	-----	-----	-----	-----	-----	-----
YES	87832-44*0	87832-44*2	87832-71*2	44	56.00	26.20	46.80	52.40	6.40	9.30
YES	87832-46*0	87832-46*2	87832-72*2	46	56.00	26.20	47.05	52.40	6.40	9.30
YES	87832-48*0	87832-48*2	-----	48	-----	-----	-----	-----	-----	-----
YES	87832-50*0	87832-50*2	87832-74*2	50	72.00	34.20	53.05	68.40	6.40	9.30

PLS REFER TO PART 87832-\*\*08 FOR CENTER LOCKING SLOT OPTION.

PART NUMBER LEGEND:

87832- \* \* \* \*

PLATING OPTION

2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATT TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN.NICKEL OVERALL.

6 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATT TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN.NICKEL OVERALL.

<p><b>CORRECT PART ILLUSTRATION</b></p> <p>EC NO: S2012-0647          2012/02/22          DRWN:SKANG          CHKD:ATSEE          2012/04/30          APPR:MLONG          2012/05/03</p>	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	<p>▽=0</p> <p>∇=0</p>	mm INCH	MM ONLY	NTS	METRIC		
	DESCRIPTION	4 PLACES ± --- ± ---	DRAWN BY DATE			<p>TITLE</p> <p>MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK &amp; PLACE IN TUBE AND T&amp;R</p> <p><b>molex</b> MOLEX INCORPORATED</p>	
	REV	3 PLACES ± --- ± ---	CHECKED BY DATE				
A13	2 PLACES ± 0.2 ± ---	APPROVED BY DATE			DOCUMENT NO.	SHEET NO.	
	1 PLACE ± --- ± ---	SKTOH 2003/11/07			SD-87832-006	4 OF 4	
	ANGULAR ± 3 °	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					

9 8 7 6 5 4 3 2 1