



- PART NUMBER LEGEND :**
- 87831 - * * * * *
- PLATING OPTION**
- 19 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
 - 20 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
 - 21 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.

- NOTES:**
1. FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 2. MATERIAL : HOUSING : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK. PIN : 0.50MM SQ.PHOSPHOR BRONZE.
 3. PRODUCT SPECIFICATION PS-87831-027 APPLIES.
 4. NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 & 6 (EXCEPT FOR 87831-5119).
 5. NO SIDE LOCKING SLOT FROM 4 TO 12 CKT SIZE.
 6. CKT 4 AND 6 HAS NO IDENTIFICATION TAG.
 7. REFER TO PART 87831-**4* FOR CENTRE LOCKING SLOT OPTION FOR 4 TO 12 CKT.
 8. THIS HEADER MATES WITH MOLEX :
 - a) CRIMP RECEPTACLE HOUSING, 51110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.
 - b) 2MM MILLIGRID DUAL ROW IDT, 87568 SERIES.
 9. PARTS TO BE PACKED IN TUBE WITH MOISTURE BARRIER BAG.

PDR#S-001858-00-00 EC NO: S2009-0092 DRWN:SKANG 2008/08/12 CHKD:ATSEE 2008/08/19 APPR:MLONG 2008/08/21	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																	
		<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	± ---	± ---	<table border="1"> <tr> <th>DRAWN BY</th> <th>DATE</th> <th>TITLE</th> </tr> <tr> <td>ATSEE</td> <td>2003/10/03</td> <td>MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> <td></td> </tr> <tr> <td>KCL ING</td> <td>2003/11/07</td> <td></td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> <td></td> </tr> <tr> <td>SKTOH</td> <td>2003/11/07</td> <td></td> </tr> </table>	DRAWN BY	DATE	TITLE	ATSEE	2003/10/03	MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF	CHECKED BY	DATE		KCL ING	2003/11/07		APPROVED BY	DATE		SKTOH	2003/11/07		MOLEX INCORPORATED			
		mm	INCH																																					
	4 PLACES	± ---	± ---																																					
3 PLACES	± ---	± ---																																						
2 PLACES	± 0.2	± ---																																						
1 PLACE	± ---	± ---																																						
DRAWN BY	DATE	TITLE																																						
ATSEE	2003/10/03	MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF																																						
CHECKED BY	DATE																																							
KCL ING	2003/11/07																																							
APPROVED BY	DATE																																							
SKTOH	2003/11/07																																							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	SD-87831-011	1 OF 2																																				
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																						

P/N IN TUBE	CKT SIZE	VOID POSITION	DIMENSION				
			A	B	C	D	E
87831-04**	4	----	2.00	4.85	6.65	5.00	----
87831-06**	6	----	4.00	6.85	8.65	7.00	----
87831-08**	8	----	6.00	8.85	10.65	9.00	----
87831-10**	10	----	8.00	10.85	12.65	11.00	----
87831-12**	12	----	10.00	12.85	14.65	13.00	----
87831-14**	14	----	12.00	14.85	16.65	15.00	8.00
87831-16**	16	----	14.00	16.85	18.65	17.00	10.00
87831-18**	18	----	16.00	18.85	20.65	19.00	12.00
87831-20**	20	----	18.00	20.85	22.65	21.00	14.00
87831-22**	22	----	20.00	22.85	24.65	23.00	16.00
87831-24**	24	----	22.00	24.85	26.65	25.00	18.00
87831-26**	26	----	24.00	26.85	28.65	27.00	20.00
87831-28**	28	----	26.00	28.85	30.65	29.00	22.00
87831-30**	30	----	28.00	30.85	32.65	31.00	24.00
87831-32**	32	----	30.00	32.85	34.65	33.00	26.00
87831-34**	34	----	32.00	34.85	36.65	35.00	28.00
87831-36**	36	----	34.00	36.85	38.65	37.00	30.00
87831-38**	38	----	36.00	38.85	40.65	39.00	32.00
87831-40**	40	----	38.00	40.85	42.65	41.00	34.00
87831-42**	42	----	40.00	42.85	44.65	43.00	36.00
87831-44**	44	----	42.00	44.85	46.65	45.00	38.00
87831-46**	46	----	44.00	46.85	48.65	47.00	40.00
87831-48**	48	----	46.00	48.85	50.65	49.00	42.00
87831-50**	50	----	48.00	50.85	52.65	51.00	44.00
87831-5120	12	1	10.00	12.85	14.65	13.00	----
87831-5220	44	20	42.00	44.85	46.65	45.00	38.00
87831-5320	24	13	22.00	24.85	26.65	25.00	18.00
87831-5420	34	3	32.00	34.85	36.65	35.00	28.00
87831-5520	20	20	18.00	20.85	22.65	21.00	14.00
87831-5620	28	13	26.00	28.85	30.65	29.00	22.00
87831-5119	6	----	4.00	6.85	8.65	7.00	----
87831-5720	34	15	32.00	34.85	36.65	35.00	28.00
87831-5820	40	25	38.00	40.85	42.65	41.00	34.00
87831-5920	20	13	18.00	20.85	22.65	21.00	14.00
87831-6020	24	20	22.00	24.85	26.65	25.00	18.00

} NO CENTRE POLARIZATION SLOT

PDR#S-001858-00-00 EC NO: S2009-0092 DRWN:SKANG 2008/08/12 CHKD:ATSEE 2008/08/19 APPR:MLONG 2008/08/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla C=0$	mm INCH	MM ONLY	NTS	METRIC	
		4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
		3 PLACES ± --- ± ---	ATSEE 2003/10/03	MGRID, SHROUDED HEADER		
	2 PLACES ± 0.2 ± ---	CHECKED BY DATE	VERTICAL			
	1 PLACE ± --- ± ---	KCL ING 2003/11/07	W/SLOT & STANDOFF			
	ANGULAR ± 3 °	APPROVED BY DATE	MOLEX INCORPORATED			
		SKTOH 2003/11/07	MATERIAL NO.		SHEET NO.	
			SEE TABLE		2 OF 2	
			SD-87831-011			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			