



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:**
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL :**
 HOUSING : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK.
 PIN : 0.50MM SQ.PHOSPHOR BRONZE.
 - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
 - NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 & 6 (EXCEPT FOR 87831-5119 & 87831-6120).
 - NO SIDE LOCKING SLOT FROM 4 TO 12 CKT SIZE.
 - CKT 4 AND 6 HAS NO IDENTIFICATION TAG.
 - REFER TO PART 87831-**4* FOR CENTRE LOCKING SLOT OPTION FOR 4 TO 12 CKT.
 - THIS HEADER MATES WITH MOLEX :
 a) CRIMP RECEPTACLE HOUSING, 51110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.
 b) 2MM MILLIGRID DUAL ROW IDT, 87568 SERIES.
 - PARTS TO BE PACKED IN TUBE WITH MOISTURE BARRIER BAG.

ADD P/N: 87831-6120 EC NO: S2011-1048 DRWN:SKANG 2011/06/14 CHKD:ATSEE 2011/09/01 APPR:MLONG 2011/09/01	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± ---	mm INCH	DRAWN BY ATSEE	DATE 2003/10/03	TITLE MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF	MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-87831-011	SHEET NO. 1 OF 2
		ANGULAR ± 3 °		APPROVED BY SKTOH	DATE 2003/11/07	SEE TABLE			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE	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
87831-5720	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
87831-5119	6	-----	4.00	6.85	8.65	7.00	-----
87831-6120	6	1	4.00	6.85	8.65	7.00	-----

} NO CENTRE POLARIZATION SLOT

} WITH CENTRE POLARIZATION SLOT

ADD P/N: 87831-6120 EC NO: S2011-1048 DRWN:SKANG 2011/06/14 CHKD:ATSEE 2011/09/01 APPR:MLONG 2011/09/01	REV DESCRIPTION	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 ± --- ± ---	KCLING 2003/11/07	W/SLOT & STANDOFF				
	ANGULAR ± 3 °	APPROVED BY DATE	MOLEX INCORPORATED				
		SKTOH 2003/11/07	MOLEX				
		MATERIAL NO.	SEE TABLE		DOCUMENT NO.	SD-87831-011	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SHEET NO. 2 OF 2	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				