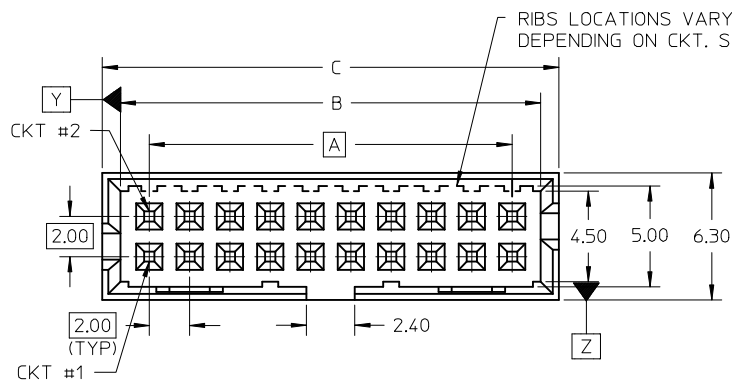
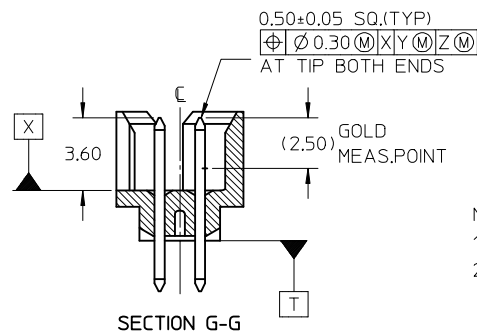
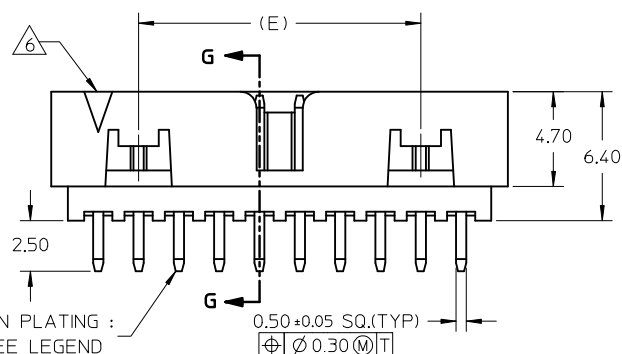
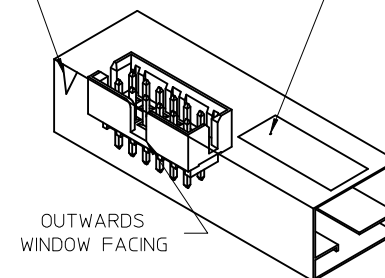




RED ARROW INDICATION

MOLEX LOGO & TUBE PART NO. 89990-0007. (ON THE LEFT HAND SIDE OF TUBE).



PART NUMBER LEGEND :

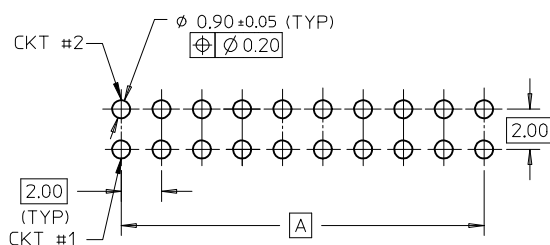
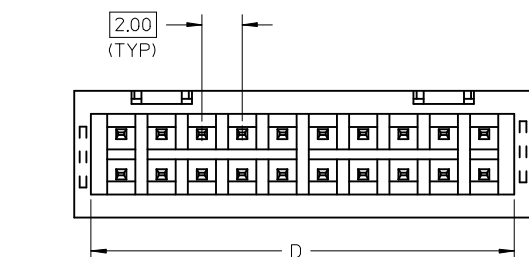
87831 - * * * *

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.



RECOMMENDED PCB PATTERN

ADD P/N: 87831-6120 EC NO: S2011-1048 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2011/06/14 2011/09/01 2011/09/01	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 2003/10/03	TITLE MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF				
			4 PLACES	± ---	± ---	CHECKED BY KCLING	DATE 2003/11/07					
			3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2003/11/07	MOLEX INCORPORATED				
			2 PLACES	± 0.2	± ---	MATERIAL NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		SEE TABLE		SD-87831-011		1 OF 2				
				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				
F	P/N IN TUBE	CKT SIZE	VOID POSITION	DIMENSION					} NO CENTRE POLARIZATION SLOT				F			
	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								
E	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								
D	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								
C	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	-----								
} WITH CENTRE POLARIZATION SLOT																
B																