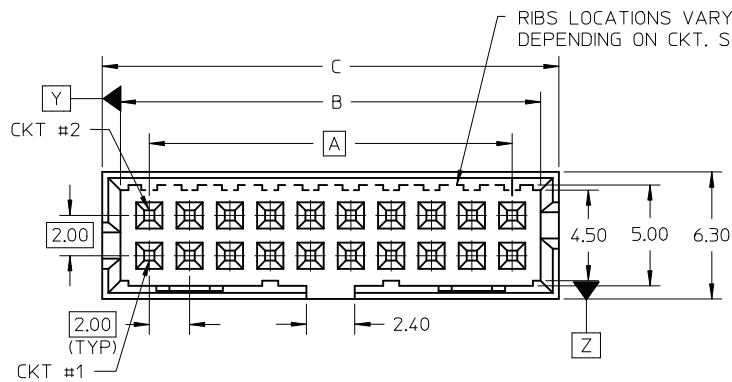
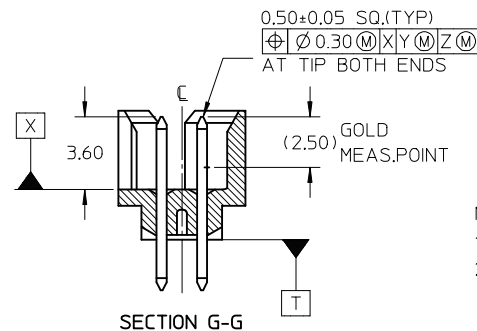
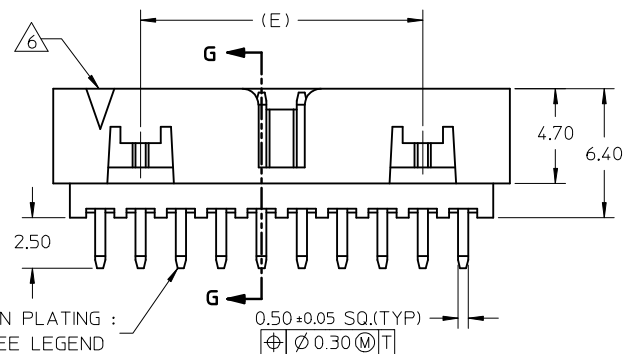
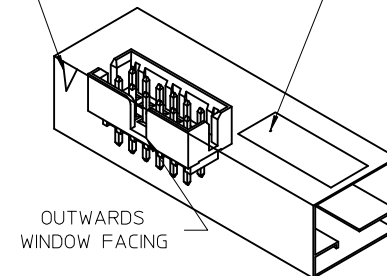




RED ARROW INDICATION

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



PART NUMBER LEGEND :

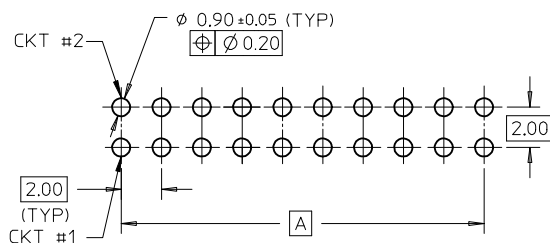
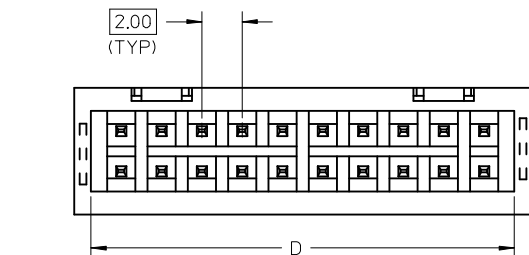
87831 - * * * *

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:

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 & 87831-6120).
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.



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 MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-87831-011	SHEET NO. 1 OF 2	
			4 PLACES	± ---	± ---	CHECKED BY KCLING	DATE 2003/11/07				
			3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2003/11/07				
			2 PLACES	± 0.2	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
		1 PLACE	± ---	± ---	ANGULAR ± 3 °						
	REV				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								E		
	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				D						
	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										
C	87831-5620	28	13	26.00	28.85	30.65	29.00	22.00				C						
	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													B					
A													A					
tb_frame_A3_P_AM_T Rev. E 2006/04/15																		
9			8		7		6		5		4		3		2		1	

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 ▽C=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 ATSEE	DATE 2003/10/03	TITLE MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF MOLEX INCORPORATED			
				± ---	± ---	CHECKED BY	DATE 2003/11/07				
				± 0.2	± ---	APPROVED BY	DATE 2003/11/07				
				± ---	± ---	MATERIAL NO. SKTOH	DOCUMENT NO. SD-87831-011				
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									