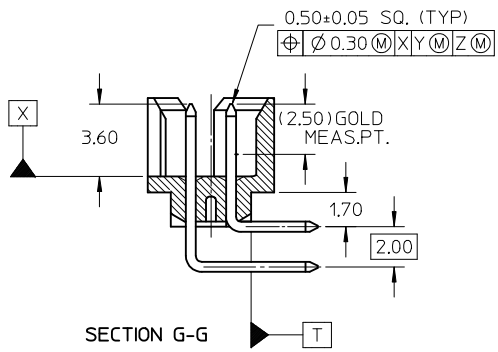
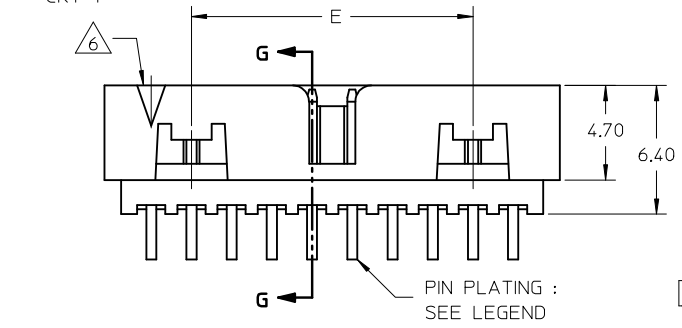
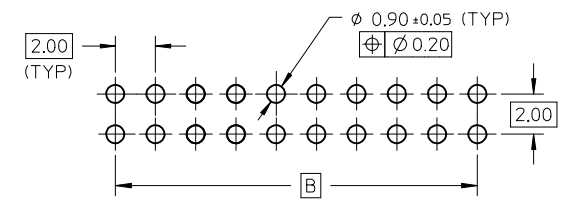
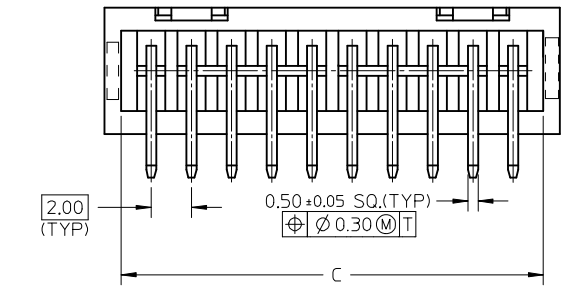


REF: ORIENTATION OF PART IN TUBE
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY)



- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL : HOUSING : NYLON GLASS-FILLED, UL94V-0, COLOR BLACK. PIN : 0.50MM SQ.PHOSPHOR BRONZE.
 - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
 - NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 AND 6.
 - NO SIDE LOCKING SLOT FROM 4 TO 12 CKT SIZE.
 - CKT 4 & 6 HAS NO IDENTIFICATION TAG.
 - 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.
 - PLATING SPECIFICATION REFERRED TO SHEET 2.
 - PACKAGING SPEC: PK-87831-001 FOR TUBE PK-87831-300 FOR T&R

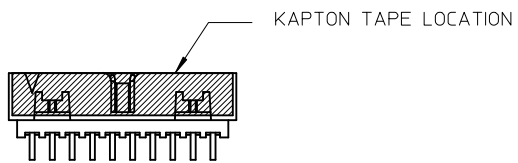


RECOMMENDED PCB PATTERN

SEE SHT 2 EC NO: S2016-0056 DRW:NAT/SEE CHKD:CGOH APPR:KHL/IM	REV B11	DESCRIPTION	QUALITY SYMBOLS $F_a=0$ $F_b=0$ $F_c=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY ATSEE	DATE 2003/10/23	TITLE MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A		
				4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY KCL/ING	DATE 2003/11/07			
				2 PLACES ± 0.20 ± ---	1 PLACE ± --- ± ---	APPROVED BY MLONG	DATE 2010/11/19			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				ANGULAR ± 3 °	SEE TABLE		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

PLS REFER TO PART 87833-**-3* FOR CENTER LOCKING SLOT OPTION.



PART NO IN TUBE (W/O KAPTON)	PART NO IN T&R (WITH KAPTON)	CKT SIZE	VOID PIN LOCATION	DIMENSION						PLATING OPTION
				A	B	C	D	E	F	
87833-04**	-	4	-	6.65	2.00	5.00	4.85	---	19,20 OR 21	
87833-06**	-	6	-	8.65	4.00	7.00	6.85	---		
87833-08**	-	8	-	10.65	6.00	9.00	8.85	---		
87833-10**	-	10	-	12.65	8.00	11.00	10.85	---		
87833-12**	-	12	-	14.65	10.00	13.00	12.85	---		
87833-14**	-	14	-	16.65	12.00	15.00	14.85	8.00		
87833-16**	-	16	-	18.65	14.00	17.00	16.85	10.00		
87833-18**	-	18	-	20.65	16.00	19.00	18.85	12.00		
87833-20**	-	20	-	22.65	18.00	21.00	20.85	14.00		
87833-22**	-	22	-	24.65	20.00	23.00	22.85	16.00		
87833-24**	-	24	-	26.65	22.00	25.00	24.85	18.00		
87833-26**	-	26	-	28.65	24.00	27.00	26.85	20.00		
87833-28**	-	28	-	30.65	26.00	29.00	28.85	22.00		
87833-30**	-	30	-	32.65	28.00	31.00	30.85	24.00		
87833-32**	-	32	-	34.65	30.00	33.00	32.85	26.00		
87833-34**	-	34	-	36.65	32.00	35.00	34.85	28.00		
87833-36**	-	36	-	38.65	34.00	37.00	36.85	30.00		
87833-38**	-	38	-	40.65	36.00	39.00	38.85	32.00		
87833-40**	-	40	-	42.65	38.00	41.00	40.85	34.00		
87833-42**	-	42	-	44.65	40.00	43.00	42.85	36.00		
87833-44**	-	44	-	46.65	42.00	45.00	44.85	38.00		
87833-46**	-	46	-	48.65	44.00	47.00	46.85	40.00		
87833-48**	-	48	-	50.65	46.00	49.00	48.85	42.00		
87833-50**	-	50	-	52.65	48.00	51.00	50.85	44.00		
87833-7000	-	34	21	36.65	32.00	35.00	34.85	28.00		
87833-5121	-	26	14	28.65	24.00	27.00	26.85	20.00		
87833-5120	-	10	7	12.65	8.00	11.00	10.85	---		
87833-5520	-	40	21	42.65	38.00	41.00	40.85	34.00		
87833-5620	-	20	14	22.65	18.00	21.00	20.85	14.00		
87833-5720	-	24	13	26.65	22.00	25.00	24.85	18.00		
87833-5820	-	14	1	16.65	12.00	15.00	14.85	8.00		
87833-2020	87833-7220	20	-	22.65	18.00	21.00	20.85	14.00		
87833-63**	-	8	-	10.65	6.00	9.00	8.85	---		
87833-53**	-	14	-	16.65	12.00	15.00	14.85	8.00		
87833-5420	-	34	-	36.65	32.00	35.00	34.85	28.00		
87833-5920	-	4	-	6.65	2.00	5.00	4.85	---		
87833-6020	-	12	-	14.65	10.00	13.00	12.85	---		
87833-6120	87833-7120	16	-	18.65	14.00	17.00	16.85	10.00		
87833-6220	-	18	-	20.65	16.00	19.00	18.85	12.00		
87833-6420	-	6	-	8.65	4.00	7.00	6.85	-		
87833-65**	-	20	-	22.65	18.00	21.00	20.85	14.00		

2.16

3.18

ADD 87833-2020 & 87833-7220 EC NO: S2016-0056 DRW:ATSEE 2015/07/13 CHKD:CGOH 2015/08/20 APPR:KHL IM 2015/09/03 B11	QUALITY SYMBOLS $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES \pm --- \pm --- 3 PLACES \pm --- \pm --- 2 PLACES \pm 0.20 \pm --- 1 PLACE \pm --- \pm --- 0 PLACE \pm \pm	DIMENSION STYLE MM ONLY DRAWN BY ATSEE DATE 2003/10/23 CHECKED BY KCL ING DATE 2003/11/07 APPROVED BY MLONG DATE 2010/11/19	SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE DOCUMENT NO. SD-87833-010 SHEET NO. 2 OF 3			
	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

10 9 8 7 6 5 4 3 2 1


PART NO IN TUBE (W/O KAPTON)	CKT SIZE	VOID PIN LOCATION	DIMENSION						PLATING OPTION
			A	B	C	D	E	F	
87833-6620	28	-	30.65	26.00	29.00	28.85	22.00	3.18	20
87833-67**	30	-	32.65	28.00	31.00	30.85	24.00		20 OR 21
87833-6920	24	-	26.65	22.00	25.00	24.85	18.00		3.27

PART NUMBER LEGEND :

87833 - * * * * *

 PLATING OPTIONS:

- 18 - 0.38um/15uin PdNi WITH GOLD FLASH IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 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.
- 00/ 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.

SEE SHT 2 EC NO: S2016-0056 DRWN:ATSEE CHKD:CGOH APPR:KHL IM	REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		$\nabla_A = 0$	mm INCH	MM ONLY	NTS	METRIC		
		$\nabla_C = 0$	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A			
		$\nabla_P = 0$	3 PLACES ± --- ± ---	ATSEE 2003/10/23				
	2 PLACES ± 0.20 ± ---	CHECKED BY DATE	DOCUMENT NO. SD-87833-010					
	1 PLACE ± --- ± ---	KCLING 2003/11/07						
	0 PLACE ± ±	APPROVED BY DATE	SHEET NO. 3 OF 3					
	ANGULAR ± 3 °	MLONG 2010/11/19						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
		SEE TABLE						
		SIZE A3						

9 8 7 6 5 4 3 2 1