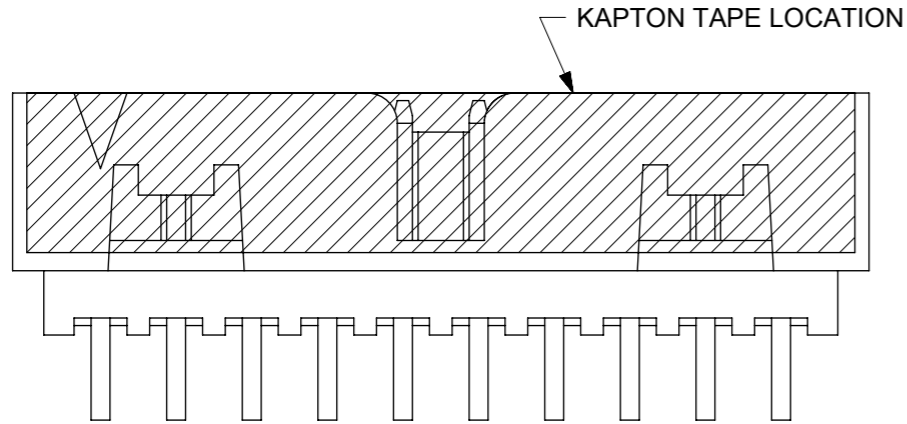


- NOTES:**
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
  - MATERIAL:**  
HOUSING : NYLON GLASS-FILLED, UL94V-0, COLOR BLACK.  
PIN : 0.50mm SQ.PHOSPHOR BRONZE.
  - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
  - NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 AND 6.
  - NO SIDE LOCKING SLOT 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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
QUALITY SYMBOLS	MIGRATED TO ECTR		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE			
▽A = 0	2017/12/15	2018/04/24			MM	NTS				
▽E = 0	DRWN: MUM	CHK'D: CD			MM	INCH	DRWN BY	DATE	MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A	
▽B = 0	2018/04/24	2018/04/24			4 PLACES ±	±	ATSEE	2003/10/23		
▽ = 0	EC NO: 170067	REV APPR: GGA			3 PLACES ±	±	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING	
▽C = 0	2018/04/24	2018/04/24			2 PLACES ±	0.2	KCLING	2003/11/07		
▽ = 0	DRWN: MUM	CHK'D: CD			1 PLACES ±	±	APPR BY	DATE	SERIES: 87833 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET	
▽ = 0	2018/04/24	2018/04/24			0 PLACES ±	±	MLONG	2010/11/19		
▽ = 0	2018/04/24	2018/04/24			ANGULAR TOL = 3.0		DRAWING SIZE: A3		DOCUMENT NUMBER: SD-87833-010 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 1 OF 3	
▽ = 0	2018/04/24	2018/04/24			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION			

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	18,19,20 OR 21	
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	19,20, OR 21	
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	00	
87833-5121	----	26	14	28.65	24.00	27.00	26.85	20.00	21	
87833-5120	----	10	7	12.65	8.00	11.00	10.85	----	20	
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	20 OR 21	
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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

QUALITY SYMBOLS	MIGRATED TO ECTR	EC NO: 170067	DRWN: MUM	CHK'D: CD	REV APPR: GGA	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®
						MM	INCH	MM	NTS			
▽A = 0						4 PLACES ±	±	DRWN BY	DATE	ATSEE 2003/10/23		MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A
▽E = 0						3 PLACES ±	±	CHK'D BY	DATE	KCLING 2003/11/07		
▽B = 0						2 PLACES ±	0.2 ±	APPR BY	DATE	MLONG 2010/11/19		PRODUCT CUSTOMER DRAWING
▽D = 0						1 PLACES ±	±	DRAWING SIZE	THIRD ANGLE PROJECTION	A3		
▽C = 0						0 PLACES ±	±	ANGULAR TOL = 3.0		SERIES 87833		MATERIAL NUMBER SEE TABLE
▽ = 0						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		CUSTOMER GENERAL MARKET		
▽ = 0								A3		DOCUMENT NUMBER SD-87833-010		DOC TYPE PSD
								B12		DOC PART 001		

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	20

PART NUMBER LEGEND :

87833 - \* \* \* \*

- 9 PLATING OPTIONS:
- 18 - 0.38µm/15µin PdNi WITH GOLD FLASH IN CONTACT AREA AND 1.88µm/75µin MIN.TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
  - 19 - 0.05 - 0.13µm/2 - 5µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN.TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
  - 00/ 20 - 0.38µm/15µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN.TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.
  - 21 - 0.76µm/30µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN.TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN. NICKEL OVERALL.

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
▽A = 0	MIGRATED TO ECTR	EC NO: 170067	DRWN: MUM	CHKD: CD	REV APPR: GGA	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	<b>molex®</b>		
▽B = 0						MM	NTS					
▽C = 0						4 PLACES ±	±	DRWN BY	DATE	MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A		
▽D = 0						3 PLACES ±	±	ATSEE	2003/10/23			
▽E = 0						2 PLACES ±	0.2	±	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING	
▽F = 0						1 PLACES ±	±	KCLING	2003/11/07			
▽G = 0						0 PLACES ±	±	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER 87833 SEE TABLE GENERAL MARKET		
▽H = 0						ANGULAR TOL = 3.0	DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER SD-87833-010 PSD 001 3 OF 3			
▽I = 0						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A3					

RELEASE STATUS	P1	RELEASE DATE	2018/04/24	12:56:31
----------------	----	--------------	------------	----------