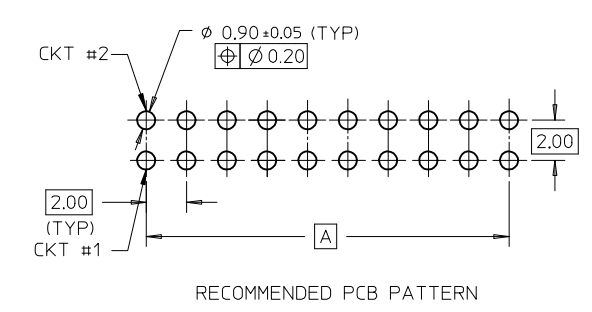
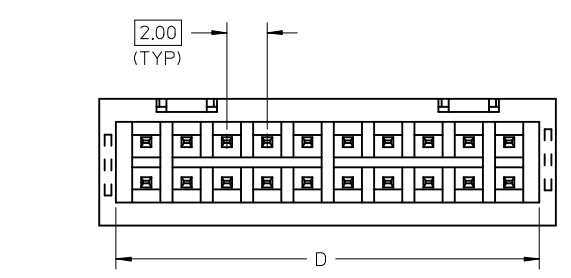


- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL :
HOUSING : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK.
PIN : 0.50MM SQ.PHOSPHOR BRONZE.
 - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
 - NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 & 6 (EXCEPT FOR 87831-5119 & 87831-6120).
 - 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.
c) 2MM MILLIGRID DUAL ROW: 79107 (GOLD PLATED), 78787 (TIN PLATED)
 - PARTS TO BE PACKED IN TUBE WITH MOISTURE BARRIER BAG.



ADD TIN OPTIONS EC NO: S2015-0108 DRW:GEMEARLY 2014/08/01 CHK:DSCHEONG 2014/08/15 APPR:KILIM 2014/08/19	QUALITY SYMBOLS 	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 --- --- --- --- ± 0.2 ± --- ± --- ± ---	DRAWN BY ATSEE	DATE 2003/10/03	TITLE MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF			
		ANGULAR ± 3 °		CHECKED BY KCLING	DATE 2003/11/07	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY SKTOH	DATE 2003/11/07	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87831-011	SHEET NO. 1 OF 2	

ASSY P/N IN TUBE	CKT SIZE	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

NO CENTER POLARIZATION SLOT

WITH VOID OPTIONS

ASSY P/N IN TUBE	CKT SIZE	VOID POSITION	DIMENSION				
			A	B	C	D	E
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	-----

WITH CENTER POLARIZATION SLOT

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.
- 36 - 2.50um/100uin MIN. TIN OVER 1.25um/50uin MIN. NICKEL OVERALL.

ADD TIN OPTIONS EC NO: S2015-0108 DRWNG: MEMARLY 2014/08/01 CHKD: SCHEONG 2014/08/15 APPR: KILLIM 2014/08/19	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0 ∇=0	mm INCH	MM ONLY	NTS	METRIC		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± --- ± ---	DRAWN BY DATE ATSEE 2003/10/03	TITLE MGRID, SHROUDED HEADER VERTICAL W/SLOT & STANDOFF			
		ANGULAR ± 3 °	CHECKED BY DATE KCL ING 2003/11/07	MOLEX INCORPORATED			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY DATE SKTOH 2003/11/07	MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				