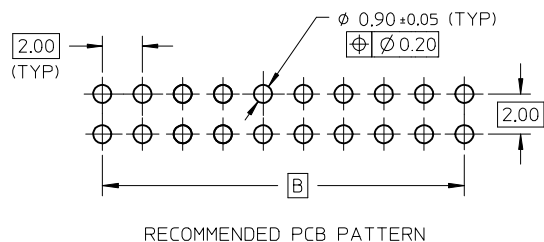
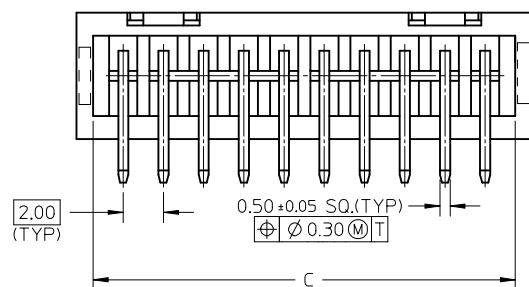
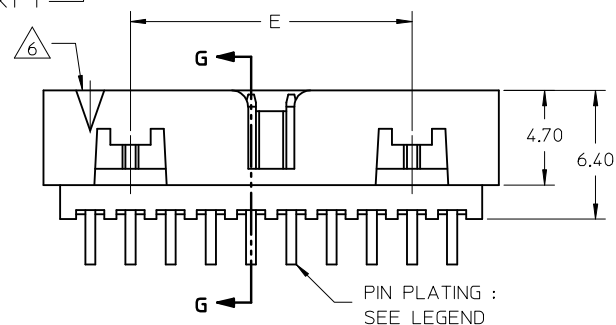
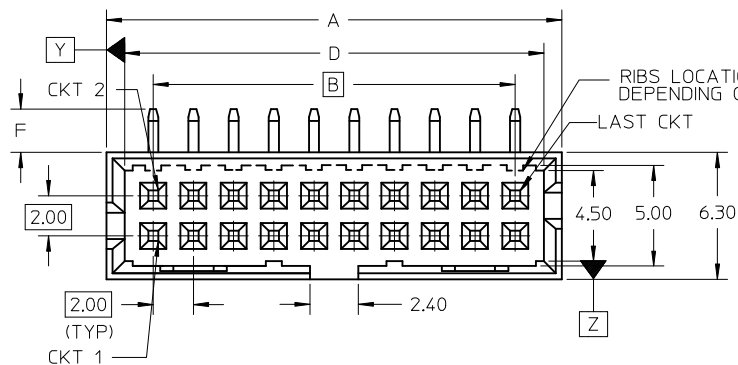
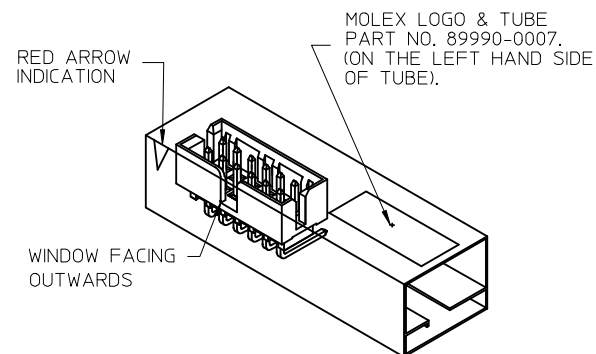


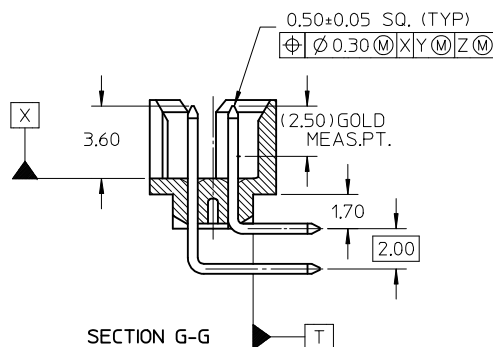
10 9 8 7 6 5 4 3 2 1



RECOMMENDED PCB PATTERN



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



SECTION G-G

NOTES:

- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
- MATERIAL :
HOUSING : 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 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.

SHY1, CORRECT PCB PITCH
DIM. NO: S2013-0850
EC NO: S2013-0850
DRWN: ATSEE 2013/06/04
CHKD: SKANG 2013/06/25
APPR: MLONG 2013/07/08
REV B8

QUALITY SYMBOLS
F_A=0
F_G=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
0 PLACE	±	±
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
ATSEE	2003/10/23
CHECKED BY	DATE
KCL ING	2003/11/07
APPROVED BY	DATE
MLONG	2010/11/19
MATERIAL NO.	
SEE TABLE	
SIZE	A3

SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A		
molex		
DOCUMENT NO. SD-87833-010		SHEET NO. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

		10		9		8		7		6		5		4		3		2		1																		
F	PLS REFER TO PART 87833-**-3* FOR CENTER LOCKING SLOT OPTION.												PART NO.	CKT SIZE	VOID PIN LOCATION	DIMENSION					F	9 PLATING OPTION																
													A	B	C	D	E																					
E													87833-04**	4	-	6.65	2.00	5.00	4.85	-----	2.16	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	-----			18,19,20 OR 21															
													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																		
													D													87833-42**	42	-	44.65	40.00	43.00	42.85	36.00	3.18	20			
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	20 OR 21																														
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																															
87833-63**	8	-	10.65	6.00	9.00	8.85	-----	20																														
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	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																															
C																					20 OR 21																	
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F

E

D

C

B

A

F

E

D

C

B

A

PART NO.	CKT SIZE	VOID PIN LOCATION	DIMENSION						△ ₉ 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 - 0.38um/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.

SH11, CORRECT PCB PITCH DIM. NO: S2013-0850 DRAWN:ATSEE 2013/06/04 CHKD:SKANG 2013/06/25 APPR:MLONG 2013/07/08			DESCRIPTION REV	QUALITY SYMBOLS ▽_A=0 ▽_C=0 ▽_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
							DRAWN BY ATSEE	DATE 2003/10/23	TITLE MGRID, SHROUDED HEADER W/SLOT AND STANDOFF, R/A					
							CHECKED BY KCLING	DATE 2003/11/07						
							APPROVED BY MLONG	DATE 2010/11/19						
							MATERIAL NO.		DOCUMENT NO.					SHEET NO.
B8				ANGULAR ± 3 °		SEE TABLE		SD-87833-010					3 OF 3	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						