

CKT SIZE	DIMENSION				
	A	B	C	D	E
4	2.00	4.85	6.65	5.00	---
6	4.00	6.85	8.65	7.00	---
8	6.00	8.85	10.65	9.00	---
10	8.00	10.85	12.65	11.00	---
12	10.00	12.85	14.65	13.00	---
14	12.00	14.85	16.65	15.00	8.00
16	14.00	16.85	18.65	17.00	10.00
18	16.00	18.85	20.65	19.00	12.00
20	18.00	20.85	22.65	21.00	14.00
22	20.00	22.85	24.65	23.00	16.00
24	22.00	24.85	26.65	25.00	18.00
26	24.00	26.85	28.65	27.00	20.00
28	26.00	28.85	30.65	29.00	22.00
30	28.00	30.85	32.65	31.00	24.00
32	30.00	32.85	34.65	33.00	26.00
34	32.00	34.85	36.65	35.00	28.00
36	34.00	36.85	38.65	37.00	30.00
38	36.00	38.85	40.65	39.00	32.00
40	38.00	40.85	42.65	41.00	34.00
42	40.00	42.85	44.65	43.00	36.00
44	42.00	44.85	46.65	45.00	38.00
46	44.00	46.85	48.65	47.00	40.00
48	46.00	48.85	50.65	49.00	42.00
50	48.00	50.85	52.65	51.00	44.00

- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL : HOUSING : LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, GLASS FILLED. COLOR: BLACK. PIN : 0.50MM SQ. COPPER ALLOY.
 - PRODUCT SPECIFICATION PS-151117-0001 APPLIES.
 - RIB LOCATION VARIES, DEPENDING ON CIRCUIT SIZES.
 - CKT 4 AND 6 HAS NO IDENTIFICATION TAG.
 - REFER TO PACKAGING SPECIFICATION FOR TAPE & REEL : PK-151120-3000
 - POSITION OF KAPTON TAPE TO BE LOCATED AT CENTER OF DIM A, IRRESPECTIVE OF CKT SIZES. TOP SURFACE OF KAPTON TAPE TO BE FLAT FOR PICK & PLACE PURPOSE.
 - BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF THE TAIL.
 - CAVITY ID AND MX LOGO SHALL BE APPROXIMATELY AS SHOWN.

HSE LENGTH ADDED	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY	DATE	TITLE
				mm	INCH			
2017/09/07	A2	DRW:NEANG	$F_A=0$	4 PLACES	± ---	ATSEE	2015/03/06	ASSEMBLY MGRID, SHROUDED HEADER RIGHT ANGLE SMT
2017/10/01		CHKD:CGOH	$F_G=0$	3 PLACES	± ---	CHECKED BY	DATE	
2017/10/02		APPR:KHLIM	$F_P=0$	2 PLACES	± 0.20	CGOH	2015/03/05	
				1 PLACE	± ---	APPROVED BY	DATE	
				0 PLACE	± ---	KHLIM	2015/11/05	
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-151120-0001
						SIZE A3		SHEET NO. 1 OF 2

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	NTS	METRIC	

10 9 8 7 6 5 4 3 2 1

ASSEMBLY
151120 - X X X X

04 - 50 4CKT ~ 50CKT W/O PEG

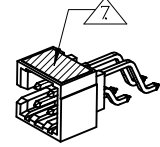
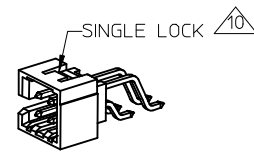
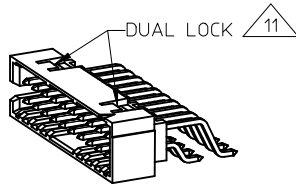
PLATING		KAPTON VERSION
0	FULL TIN	WITHOUT KAPTON TAPE 14CKTS ~ 50CKTS
1	Au FLASH	
2	0.38 Au	
3	0.75 Au	WITH KAPTON TAPE 4CKTS -12CKTS
4	FULL TIN	
5	Au FLASH	
6	0.38 Au	
7	0.75 Au	

PACKAGING	
0	TAPE & REEL

PLATING OPTIONS




-X0XX AND -X4XX	2.00µm MIN. TIN OVERALL 1.25µm MIN. NICKEL OVERALL
-X1XX AND -X5XX	0.05µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDER TAIL OVER 1.25µm MIN. NICKEL OVERALL.
-X2XX AND -X6XX	0.38µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDER TAIL OVER 1.25µm MIN. NICKEL OVERALL.
-X3XX AND -X7XX	0.75µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDER TAIL OVER 1.25µm MIN. NICKEL OVERALL.


KAPTON TAPE IS USED FOR 4 - 12CKT ONLY 



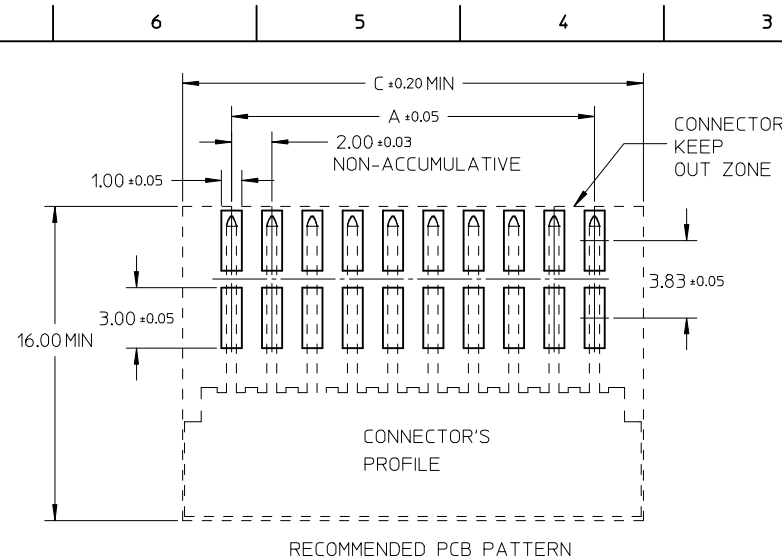
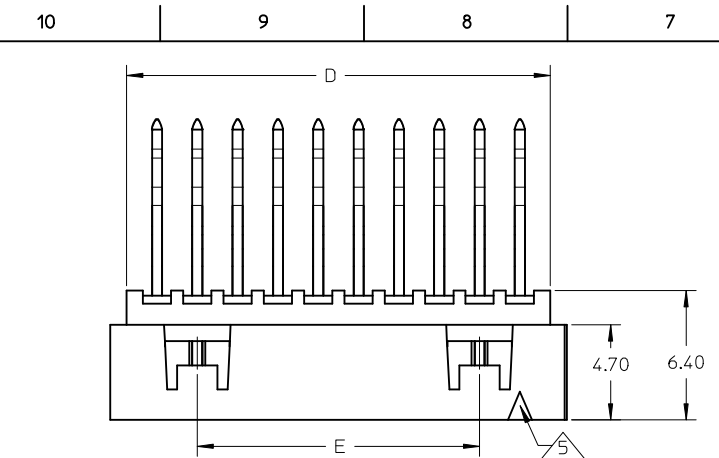
REFERENCE OF KAPTON TAPE PLACEMENT OF 4CKT

NOTES CONTINUE.

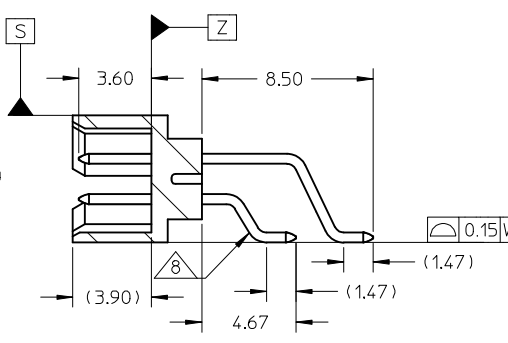
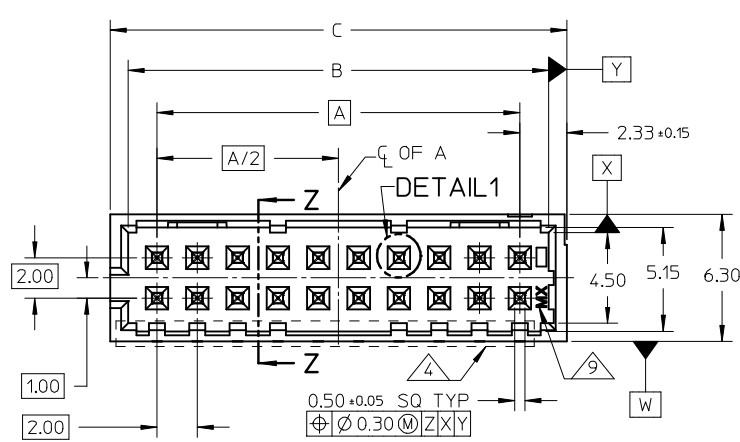
-  SINGLE LOCK FEATURE FOR 4-12CKT.
-  DUAL LOCK FEATURE FOR 14CKT AND ABOVE.
-  DETAIL 1 FOR MMC REFERENCE ONLY.

HSE LENGTH ADDED EC NO: S2018-0108 DRW:NEANG CHKD:CGOH APPR:KHL IM	2017/09/07 2017/10/01 2017/10/02	QUALITY SYMBOLS $F_A=0$ $F_G=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			mm	INCH	DRAWN BY ATSEE	DATE 2015/03/06	TITLE ASSEMBLY MGRID, SHROUDED HEADER RIGHT ANGLE SMT						
			4 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/03/05	 MATERIAL NO. SD-151120-0001 DOCUMENT NO. SHEET NO. 2 OF 2					
			3 PLACES	± ---	± ---	APPROVED BY KHL IM	DATE 2015/11/05						
		2 PLACES	± 0.20	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS SEE TABLE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
		1 PLACE	± ---	± ---									
		0 PLACE	± ---	± ---									
		ANGULAR ± 3 °											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
		SIZE A3											

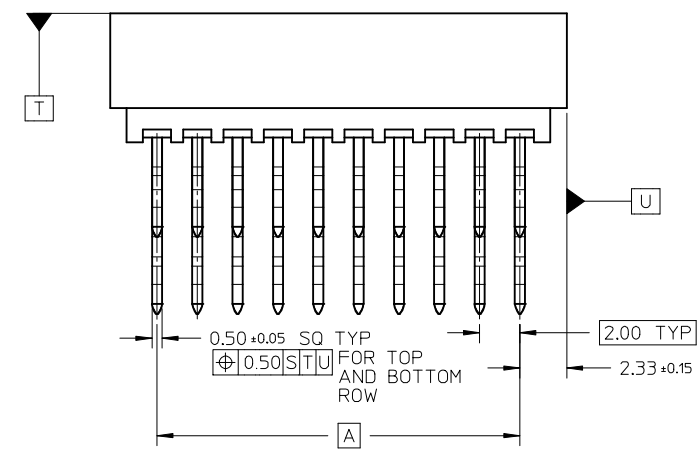
9 8 7 6 5 4 3 2 1



CKT SIZE	DIMENSION				
	A	B	C	D	E
4	2.00	4.85	6.65	5.00	---
6	4.00	6.85	8.65	7.00	---
8	6.00	8.85	10.65	9.00	---
10	8.00	10.85	12.65	11.00	---
12	10.00	12.85	14.65	13.00	---
14	12.00	14.85	16.65	15.00	8.00
16	14.00	16.85	18.65	17.00	10.00
18	16.00	18.85	20.65	19.00	12.00
20	18.00	20.85	22.65	21.00	14.00
22	20.00	22.85	24.65	23.00	16.00
24	22.00	24.85	26.65	25.00	18.00
26	24.00	26.85	28.65	27.00	20.00
28	26.00	28.85	30.65	29.00	22.00
30	28.00	30.85	32.65	31.00	24.00
32	30.00	32.85	34.65	33.00	26.00
34	32.00	34.85	36.65	35.00	28.00
36	34.00	36.85	38.65	37.00	30.00
38	36.00	38.85	40.65	39.00	32.00
40	38.00	40.85	42.65	41.00	34.00
42	40.00	42.85	44.65	43.00	36.00
44	42.00	44.85	46.65	45.00	38.00
46	44.00	46.85	48.65	47.00	40.00
48	46.00	48.85	50.65	49.00	42.00
50	48.00	50.85	52.65	51.00	44.00



SECTION Z-Z



REV	DESCRIPTION	DATE	APPROVED
A2	HSE LENGTH ADDED	2017/09/07	DRW:NEANG
		2017/10/01	CHKD:CGOH
		2017/10/02	APPR:KHLIM

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
$F_A=0$	4 PLACES ± ---	± ---
$F_B=0$	3 PLACES ± ---	± ---
$F_C=0$	2 PLACES ± 0.20	± ---
$F_D=0$	1 PLACE ± ---	± ---
$F_E=0$	0 PLACE ± ---	± ---

- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL : HOUSING : LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, GLASS FILLED. COLOR: BLACK. PIN : 0.50MM SQ. COPPER ALLOY.
 - PRODUCT SPECIFICATION PS-151117-0001 APPLIES.
 - RIB LOCATION VARIES, DEPENDING ON CIRCUIT SIZES.
 - CKT 4 AND 6 HAS NO IDENTIFICATION TAG.
 - REFER TO PACKAGING SPECIFICATION FOR TAPE & REEL : PK-151120-3000
 - POSITION OF KAPTON TAPE TO BE LOCATED AT CENTER OF DIM A, IRRESPECTIVE OF CKT SIZES. TOP SURFACE OF KAPTON TAPE TO BE FLAT FOR PICK & PLACE PURPOSE.
 - BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF THE TAIL.
 - CAVITY ID AND MX LOGO SHALL BE APPROXIMATELY AS SHOWN.

DIMENSION STYLE	SCALE	DESIGN UNITS	TITLE
MM ONLY	NTS	METRIC	ASSEMBLY MGRID, SHROUDED HEADER RIGHT ANGLE SMT
DRAWN BY	DATE	THIRD ANGLE PROJECTION	
ATSEE	2015/03/06		
CHECKED BY	DATE		
CGOH	2015/03/05		
APPROVED BY	DATE		
KHLIM	2015/11/05		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
SEE TABLE	SD-151120-0001	1 OF 2	

10 9 8 7 6 5 4 3 2 1

ASSEMBLY
151120 - X X X X

04 - 50 4CKT ~ 50CKT W/O PEG

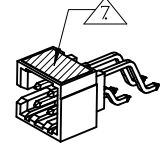
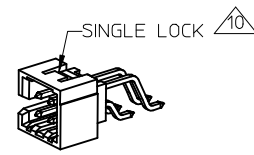
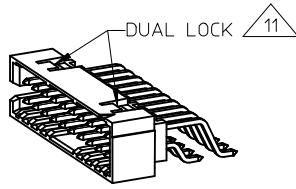
PLATING		KAPTON VERSION
0	FULL TIN	WITHOUT KAPTON TAPE 14CKTS ~ 50CKTS
1	Au FLASH	
2	0.38 Au	
3	0.75 Au	WITH KAPTON TAPE 4CKTS -12CKTS
4	FULL TIN	
5	Au FLASH	
6	0.38 Au	
7	0.75 Au	

PACKAGING	
0	TAPE & REEL

PLATING OPTIONS




-X0XX AND -X4XX	2.00µm MIN. TIN OVERALL 1.25µm MIN. NICKEL OVERALL
-X1XX AND -X5XX	0.05µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDER TAIL OVER 1.25µm MIN. NICKEL OVERALL.
-X2XX AND -X6XX	0.38µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDER TAIL OVER 1.25µm MIN. NICKEL OVERALL.
-X3XX AND -X7XX	0.75µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDER TAIL OVER 1.25µm MIN. NICKEL OVERALL.


KAPTON TAPE IS USED FOR 4 - 12CKT ONLY 



REFERENCE OF KAPTON TAPE PLACEMENT OF 4CKT

NOTES CONTINUE.

-  SINGLE LOCK FEATURE FOR 4-12CKT.
-  DUAL LOCK FEATURE FOR 14CKT AND ABOVE.
-  DETAIL 1 FOR MMC REFERENCE ONLY.

HSE LENGTH ADDED EC NO: S2018-0108 DRW:NEANG CHKD:CGOH APPR:KHL IM	2017/09/07 2017/10/01 2017/10/02	QUALITY SYMBOLS $F_A=0$ $F_G=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			mm	INCH	DRAWN BY ATSEE	DATE 2015/03/06	TITLE ASSEMBLY MGRID, SHROUDED HEADER RIGHT ANGLE SMT						
			4 PLACES	± ---	± ---	CHECKED BY CGOH	DATE 2015/03/05	 DOCUMENT NO. SD-151120-0001 SHEET NO. 2 OF 2					
			3 PLACES	± ---	± ---	APPROVED BY KHL IM	DATE 2015/11/05						
		2 PLACES	± 0.20	± ---	MATERIAL NO. SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		1 PLACE	± ---	± ---	SIZE A3								
		0 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

9 8 7 6 5 4 3 2 1