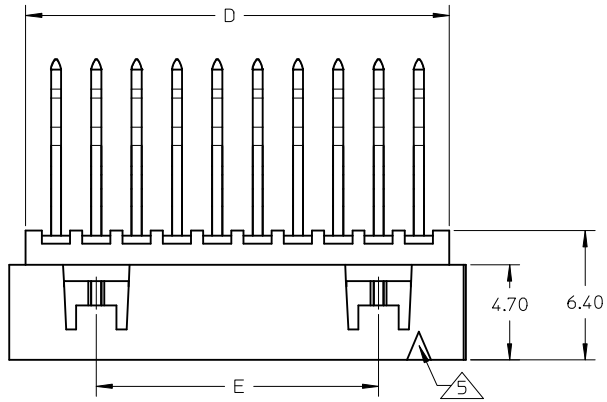
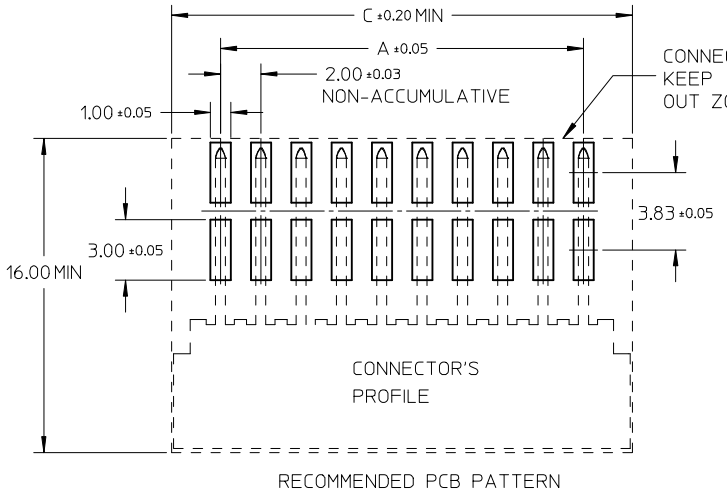
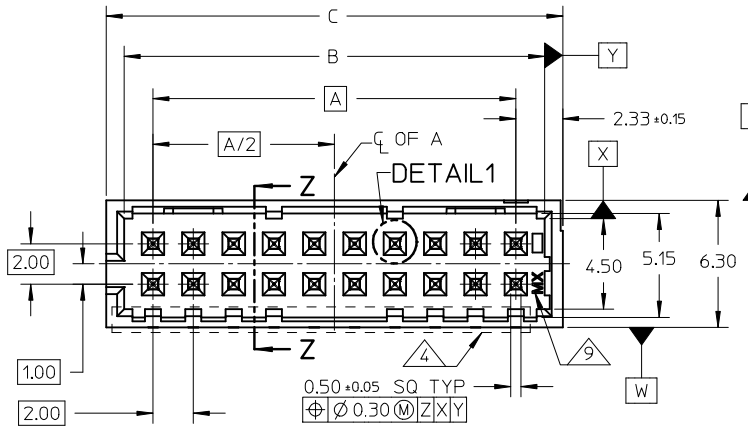
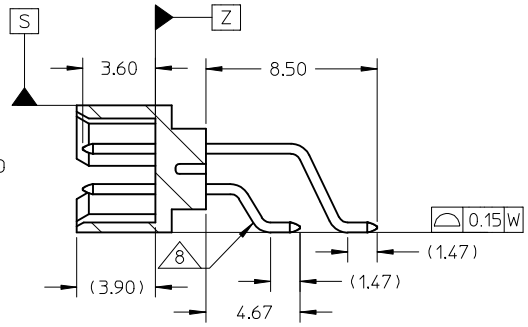


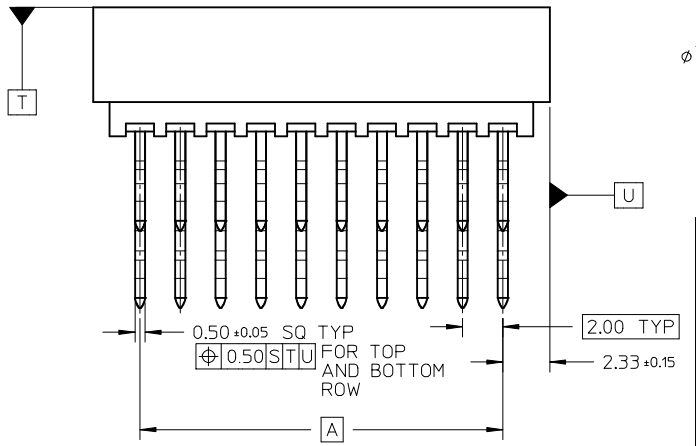


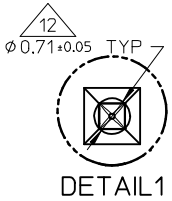
RECOMMENDED PCB PATTERN





SECTION Z-Z





DETAIL1

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

HSE LENGTH ADDED 2017/09/07
EC NO: S2018-0108 2017/10/01
DRWN:EANG CHKD:CGOH APPR:KHLIM 2017/10/02
DESCRIPTION
REV
A2

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: ATSEE DATE: 2015/03/06
CHECKED BY: CGOH DATE: 2015/03/05
APPROVED BY: KHLIM DATE: 2015/11/05
MATERIAL NO.: SEE TABLE

TITLE
ASSEMBLY
MGRID, SHROUDED HEADER
RIGHT ANGLE SMT

molex

DOCUMENT NO.: SD-151120-0001
SHEET NO.: 1 OF 2
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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 SOLDERTAIL OVER 1.25μm MIN. NICKEL OVERALL.
-X2XX AND -X6XX	0.38μm MIN. GOLD PLATE ON CONTACT AND 2.00μm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25μm MIN. NICKEL OVERALL.
-X3XX AND -X7XX	0.75μm MIN. GOLD PLATE ON CONTACT AND 2.00μm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25μm MIN. NICKEL OVERALL.

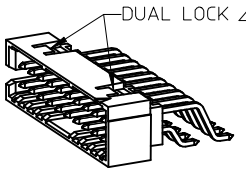
KAPTON TAPE IS USED FOR 4 - 12CKT ONLY 7

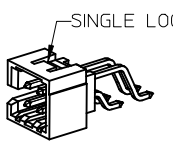
ASSEMBLY
151120 - X X X X

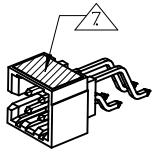
04 - 50 4CKT ~ 50CKT W/O PEG

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

PACKAGING
0 TAPE & REEL







REFERENCE OF KAPTON TAPE PLACEMENT OF 4CKT

NOTES CONTINUE.

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

HSE LENGTH ADDED
EC NO: S2018-0108
DRWN:EANG 2017/09/07
CH'KD:CGOH 2017/10/01
APPR:KHLIM 2017/10/02
DESCRIPTION
REV
A2

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

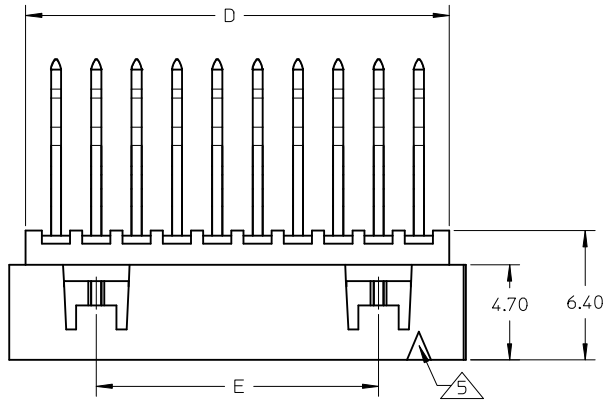
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DRAWN BY	ATSEE	2015/03/06
CHECKED BY	CGOH	2015/03/05
APPROVED BY	KHLIM	2015/11/05

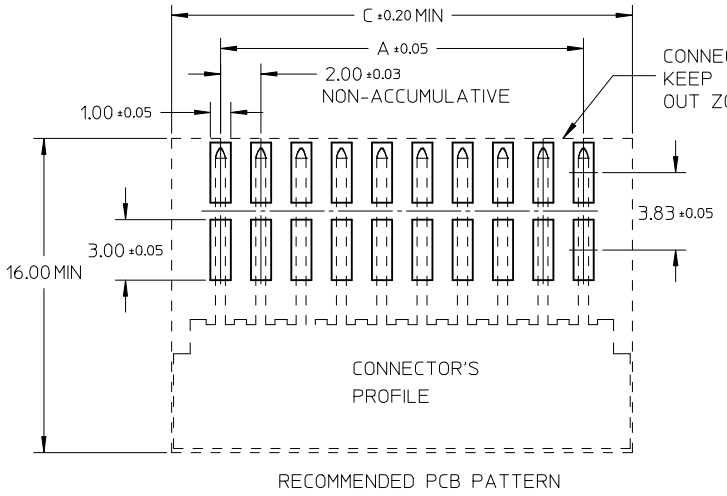
TITLE: ASSEMBLY MGRID, SHROUDED HEADER RIGHT ANGLE SMT

molex

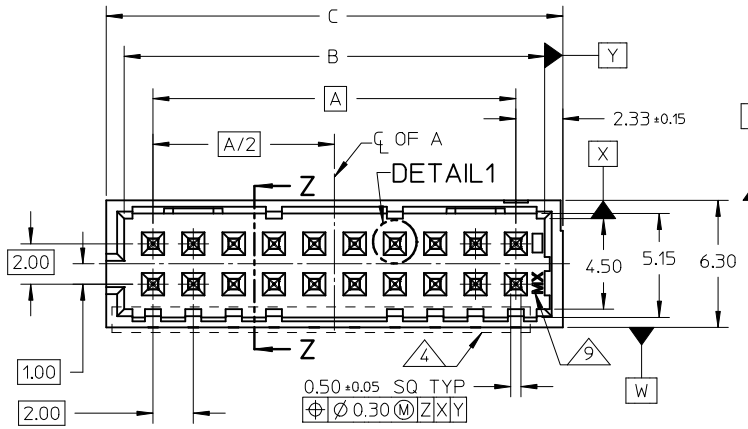
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-151120-0001
SHEET NO.: 2 OF 2
SIZE: A3

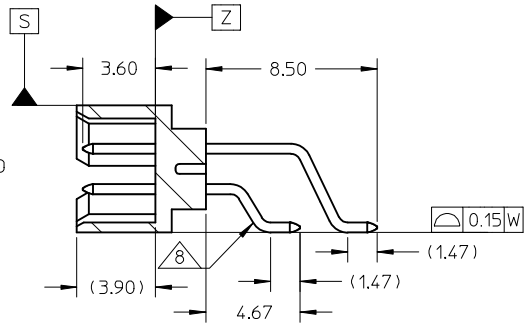
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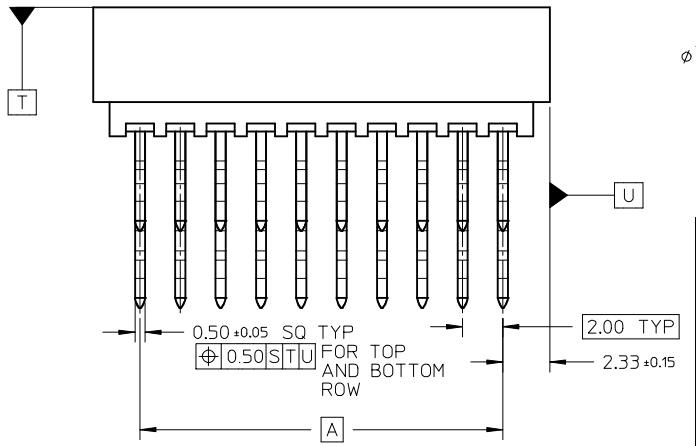


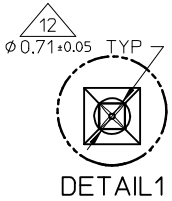
RECOMMENDED PCB PATTERN





SECTION Z-Z





DETAIL1

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:
1. FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
2. MATERIAL :
   HOUSING : LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, GLASS FILLED. COLOR: BLACK.
   PIN : 0.50MM SQ. COPPER ALLOY.
3. PRODUCT SPECIFICATION PS-151117-0001 APPLIES.
4. RIB LOCATION VARIES, DEPENDING ON CIRCUIT SIZES.
5. CKT 4 AND 6 HAS NO IDENTIFICATION TAG.
6. REFER TO PACKAGING SPECIFICATION FOR TAPE & REEL : PK-151120-3000
7. POSITION OF KAPTON TAPE TO BE LOCATED AT CENTER OF DIM A, IRREGARDLESS OF CKT SIZES. TOP SURFACE OF KAPTON TAPE TO BE FLAT FOR PICK & PLACE PURPOSE.
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9. CAVITY ID AND MX LOGO SHALL BE APPROXIMATELY AS SHOWN.

HSE LENGTH ADDED 2017/09/07
EC NO: S2018-0108 2017/10/01
DRWN:EANG CHKD:CGOH APPR:KHLIM 2017/10/02
DESCRIPTION
REV
A2

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: ATSEE DATE: 2015/03/06
CHECKED BY: CGOH DATE: 2015/03/05
APPROVED BY: KHLIM DATE: 2015/11/05
MATERIAL NO.: SEE TABLE

TITLE
ASSEMBLY
MGRID, SHROUDED HEADER
RIGHT ANGLE SMT

molex

DOCUMENT NO.: SD-151120-0001
SHEET NO.: 1 OF 2
SIZE: A3

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PLATING OPTIONS

-X0XX AND -X4XX	2.00μm MIN. TIN OVERALL 1.25μm MIN. NICKEL OVERALL
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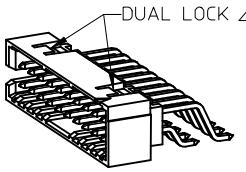
KAPTON TAPE IS USED FOR 4 - 12CKT ONLY 7

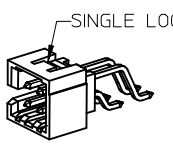
ASSEMBLY
151120 - X X X X

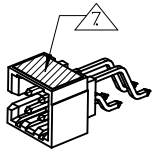
04 - 50 4CKT ~ 50CKT W/O PEG

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

PACKAGING
0 TAPE & REEL







REFERENCE OF KAPTON TAPE PLACEMENT OF 4CKT

NOTES CONTINUE.

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

HSE LENGTH ADDED
EC NO: S2018-0108
DRWN:EANG 2017/09/07
CH'KD:CGOH 2017/10/01
APPR:KHLIM 2017/10/02
DESCRIPTION
REV
A2

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	ATSEE	2015/03/06
CHECKED BY	CGOH	2015/03/05
APPROVED BY	KHLIM	2015/11/05

TITLE: ASSEMBLY MGRID, SHROUDED HEADER RIGHT ANGLE SMT

molex

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-151120-0001
SHEET NO.: 2 OF 2
SIZE: A3

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