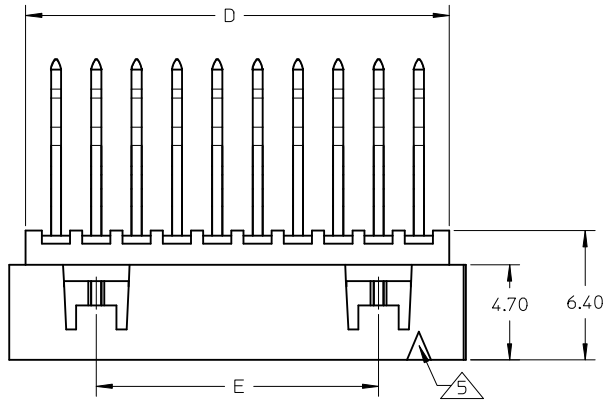
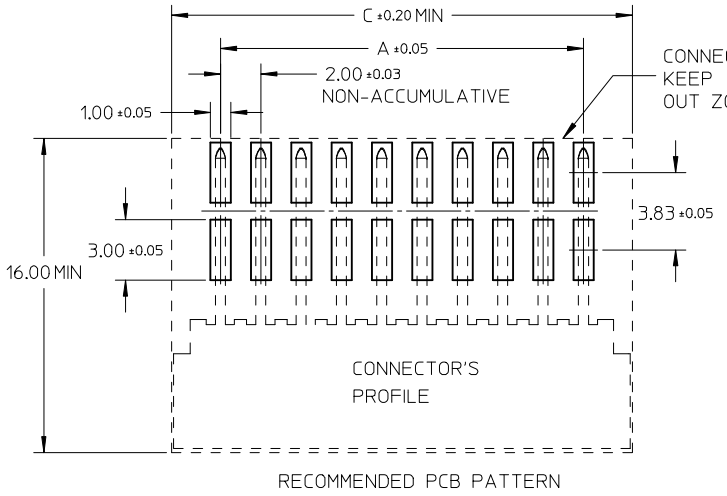
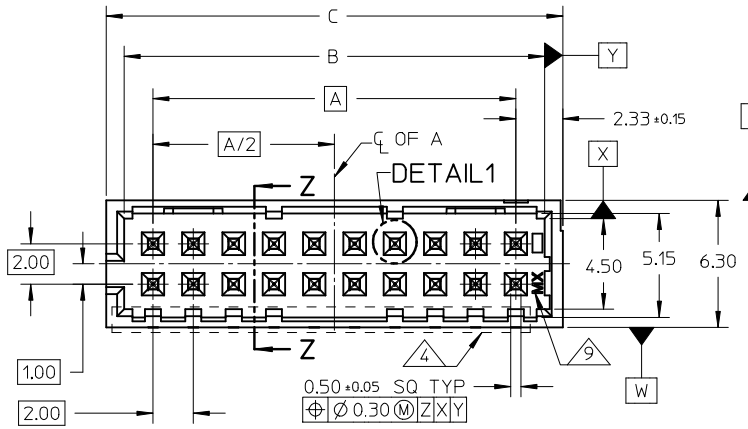
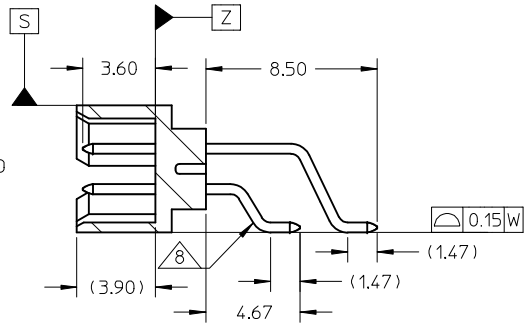


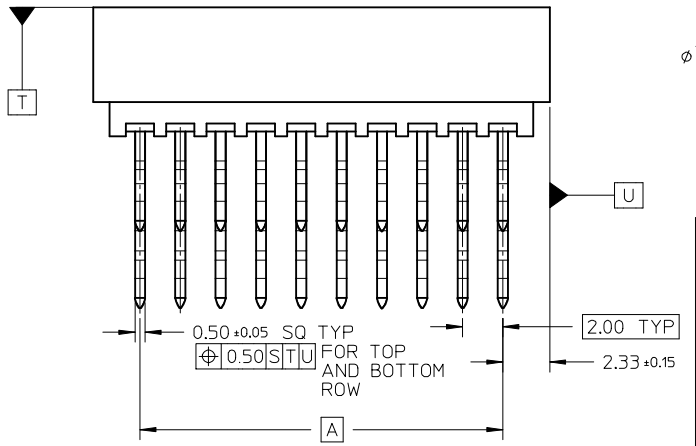



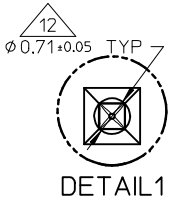

RECOMMENDED PCB PATTERN




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
EC NO: S2018-0108 2017/09/07
DRWN:EANG 2017/10/01
CHKD:CGOH 2017/10/02
APPR:KHLIM
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<br>1.25μm MIN. NICKEL OVERALL |
| -X1XX AND -X5XX | 0.05μm MIN. GOLD PLATE ON CONTACT AND<br>2.00μm MIN. TIN(MATTE) ON SOLDERTAIL OVER<br>1.25μm MIN. NICKEL OVERALL. |
| -X2XX AND -X6XX | 0.38μm MIN. GOLD PLATE ON CONTACT AND<br>2.00μm MIN. TIN(MATTE) ON SOLDERTAIL OVER<br>1.25μm MIN. NICKEL OVERALL. |
| -X3XX AND -X7XX | 0.75μm MIN. GOLD PLATE ON CONTACT AND<br>2.00μm MIN. TIN(MATTE) ON SOLDERTAIL OVER<br>1.25μm MIN. NICKEL OVERALL. |

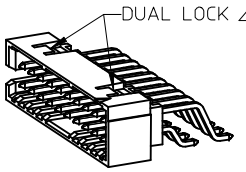
KAPTON TAPE IS USED FOR 4 - 12CKT ONLY 7

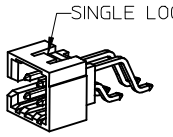
# ASSEMBLY
# 151120 - X X X X

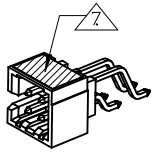
04 - 50 4CKT ~ 50CKT W/O PEG

| 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

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.: 2 OF 2
SIZE: A3

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# Unikeyic Electronics

Global Electronic Components Distributor

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## molex:

190690096 430451220 447691602 152670357 397730002 436803002 444280402 447642001
0190690033 151660057 152670251 190990009 5046940301 759001161 151670255 152660117
190670071 0436802002 190730231 447641402 760475001 190990010 417920538 430450225
439151216 152670269 398800403 459705185 0190700155 0436400901