



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

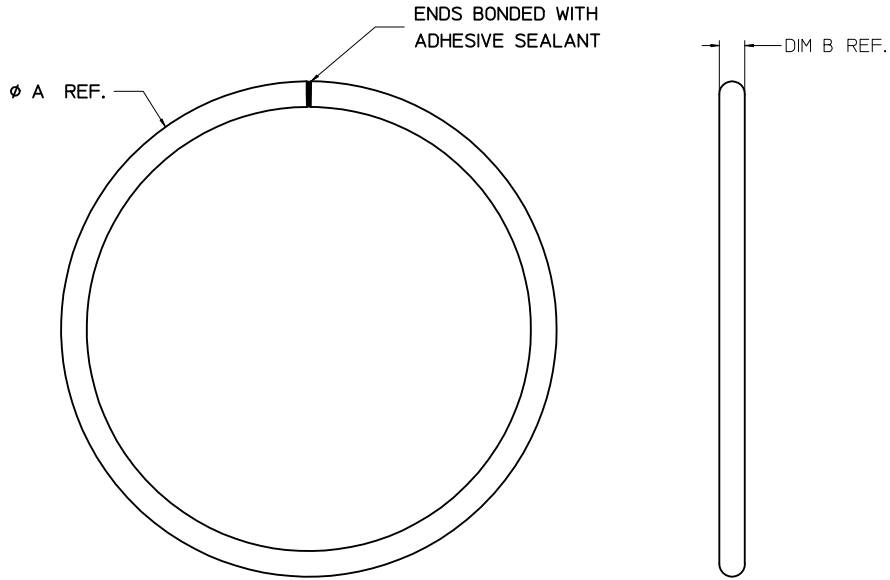
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



WM 3-D MODEL: EM-73927-543



| MOLEX P/N | DIM A | DIM B | APPLICATION | UL |
|-----------|----------------|---------------|------------------------|--------|
| 739270143 | 20.3 [.80*] | 2.6 [.103*] | 1X1 SFP/SFP+ CAGE | 94 HB |
| 739270145 | 15.8 [.62*] | 2.6 [.103*] | 1X1 SFP+ ANGLED CAGE | 94 HB |
| 739270146 | 15.8 [.62*] | 2.6 [.103*] | 1X1 SFP+ ANGLED CAGE | 94 V-0 |
| 739270147 | 16.7 [.66*] | 2.6 [.103*] | 1X1 SFP/SFP+ CAGE | 94 V-0 |
| 739270243 | 24.3 [.96*] | 2.6 [.103*] | 1X2 SFP/SFP+ CAGE | 94 HB |
| 739270244 | 25.1 [.99*] | 2.6 [.103*] | 1X2 SFP/SFP+ CAGE | 94 V-0 |
| 739270443 | 41.0 [1.62*] | 2.6 [.103*] | 1X4 SFP/SFP+ CAGE | 94 HB |
| | | | 1X3 QSFP+ CAGE | 94 HB |
| 739270444 | 40.7 [1.60*] | 2.3 [.090*] | 1X4 SFP/SFP+ CAGE | 94 HB |
| | | | 1X3 QSFP+ CAGE | 94 HB |
| 739270445 | 51.8 [2.04*] | 2.3 [.090*] | 1X4 SFP BELLY TO BELLY | 94 HB |
| 739270455 | 19.1 [.75*] | 2.6 [.103*] | 1X1 QSFP+ CAGE | 94 HB |
| 739270456 | 18.8 [.74*] | 2.3 [.090*] | 1X1 QSFP+ CAGE | 94 HB |
| 739270457 | 28.5 [1.12*] | 2.6 [.103*] | 1X2 QSFP+ CAGE | 94 HB |
| 739270461 | 74.8 [2.94*] | 2.6 [.103*] | 1X6 QSFP+ CAGE | 94 HB |
| 739270543 | 50.6 [1.99*] | 2.6 [.103*] | 1X5 SFP/SFP+ CAGE | 94 HB |
| | | | 1X4 QSFP+ CAGE | 94 HB |
| 739270544 | 50.3 [1.98*] | 2.3 [.090*] | 1X5 SFP/SFP+ CAGE | 94 HB |
| 739270643 | 55.9 [2.20*] | 2.6 [.103*] | 1X6 SFP/SFP+ CAGE | 94 HB |
| 739270644 | 55.9 [2.20*] | 2.3 [.090*] | 1X6 SFP/SFP+ CAGE | 94 HB |

NOTES:

- MATERIAL:
AgAI IN SILICONE
- LEAD FREE, NO RoHS EXEMPTIONS.

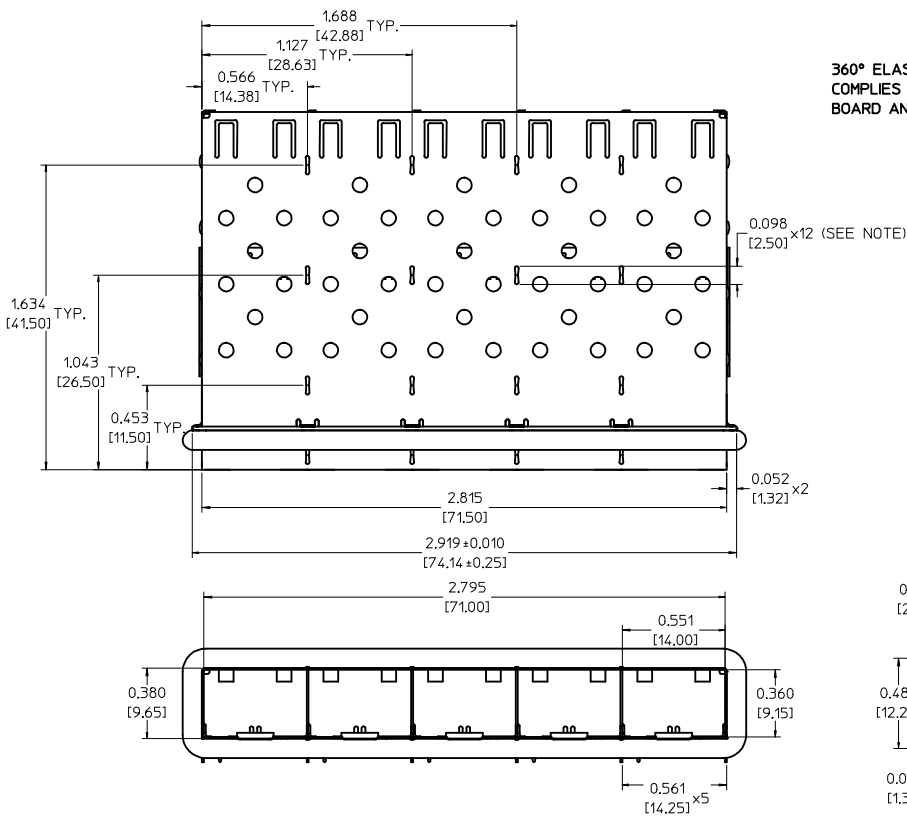
| | | | | | | |
|--|--|--|---|--|--------------|------------------------|
| ADD 739270147&0244 EC NO: CPG2012-1643 DRAWN BY: INSKI 2012/06/20 CHKD: APPR: K LLOYD 2012/06/21 REV DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | $\nabla=0$ $\nabla=0$ $\nabla=0$ | 4 PLACES ± --- + --- 3 PLACES ± --- + --- 2 PLACES ± --- + --- 1 PLACE ± --- + --- 0 PLACE ± --- + --- | mm INCH ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MM/IN DRAWN BY: BSWAJA DATE: 2011/09/09 CHECKED BY: CHRISCHY DATE: 2011/09/16 APPROVED BY: K LLOYD DATE: 2012/02/09 | 6:1 | METRIC |
| | | | MATERIAL NO. | DOCUMENT NO. | | SHEET NO. |
| | | | SEE TABLE | SD-73927-0543 | | 1 OF 2 |
| | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

| DATE (YEAR/MONTH/DAY) | REVISION | COMMENTS |
|--------------------------|----------|---|
| 2011/09/09 | A | INITIAL RELEASE |
| 2012/04/11 | B | ADDED 739270461 TO PN TABLE |
| 2012/06/20 | C | ADDED 739270147 AND 739270244 TO PN TABLE. FOR 739270443: FROM 1X3 SFP/SFP+ TO 1X4 AND FROM 1X4 QSFP+ TO 1X3. FOR 739270457: FROM DIM A = 23.3 [.92"] TO 28.5 [1.12"]. |
| | | |
| | | |
| | | |
| | | |
| | | |

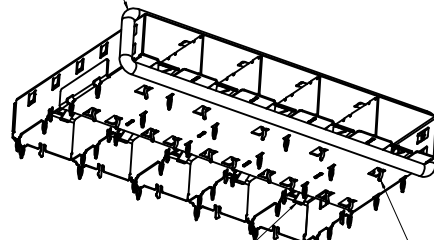
| | | | | | | |
|--|-----------------|--|---------------------|---|--------------|------------------------|
| ADD 739270147&0244 EC NO: CPG2012-1643 DRAWN: RMK/INSKI 2012/06/20 CHKD: C APPR: KLLOYD 2012/06/21 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | ▽=0 | 4 PLACES #---# | MM/IN | 4:1 | METRIC | |
| | ▽=0 | 3 PLACES #---# | | | | |
| | ▽=0 | 2 PLACES #---# | | | | |
| | ANGULAR ±---° | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRAWN BY DATE | TITLE | | |
| | | | BSWAJA 2011/09/09 | QSFP+/SFP+ GANGED CAGE GASKETS | | |
| | | | CHECKED BY DATE | | | |
| | | | CHIRSCHY 2011/09/16 | | | |
| | | | APPROVED BY DATE | DOCUMENT NO. | | |
| | | | KLLOYD 2012/02/09 | SD-73927-0543 | | |
| | | | MATERIAL NO. | SHEET NO. | | |
| | | | SEE SHEET 1 | 2 OF 2 | | |
| | | | SIZE D | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



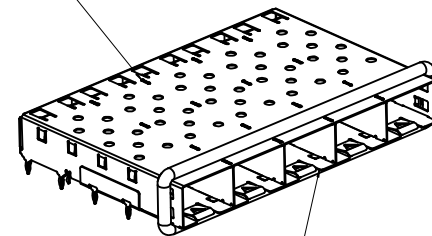
360° ELASTOMER EMI GASKET COMPLIES WITH (SFP) MSA BOARD AND BEZEL LOCATIONS

INNER WALL TABS ARE COINED OVER BASE AND COVER FOR RIGIDITY



EMI FINGERS CONTACT ADAPTER

15 UNDER BELLY EMI PINS



DIMENSIONS OF EACH INNER CAGE DESIGNED TO FUNCTION WITH SMALL FORM-FACTOR PLUGGABLE (SFP) TRANSCEIVER

NOTES:

- PRESS FIT LEGS .120" LONG-
0.062 [1.57] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
0.118 [3.00] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
- MATERIAL: COPPER ALLOY
PLATING: NONE
NOTE: A NICKEL PLATED VERSION OF THIS ASSEMBLY IS AVAILABLE.
REFER TO DOCUMENT SD-74723-004.
- REFERENCE DOCUMENTS:
PRODUCT SPECIFICATION: PS-74728-000
COSMETIC SPECIFICATIONS: WI-HP-7-2774 AND WI-HPA-7-0093
- MATES WITH SERIES 74729, LIGHT PIPE COVER ASSEMBLY.
- RoHS COMPLIANT, NO EXEMPTIONS USED.

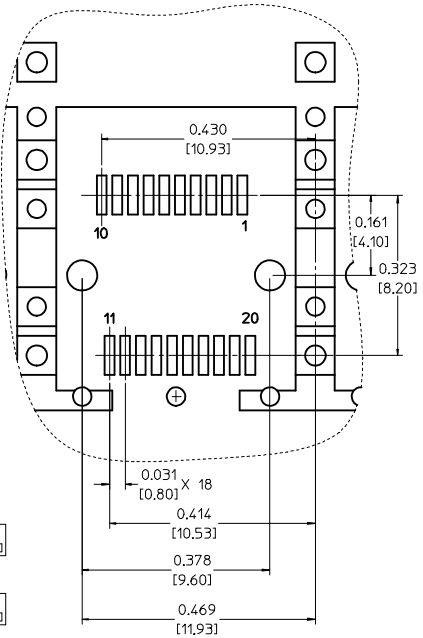
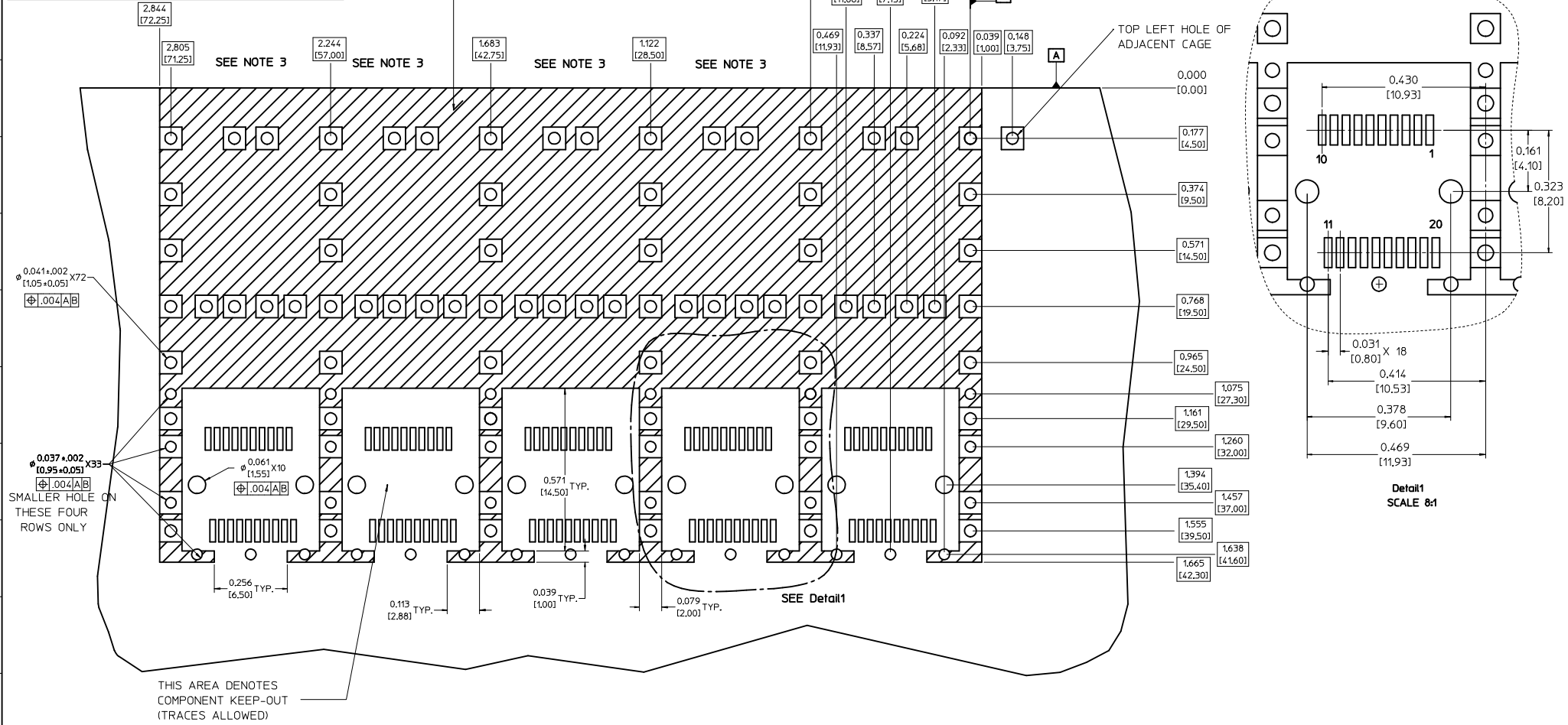
| | |
|-----------|-------------|
| MOLEX P/N | GASKET |
| 747230001 | Elastomeric |
| 747230009 | None |

| ADDED PN TABLE IEC NO: CPG2013-1705 DRAWN BY: CHYKOMA JOHNSTON DATE: 2012/11/29 CHECKED BY: APPERCK LLOYD DATE: 2012/12/05 DESCRIPTION: | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | | | | | | | | | | | | | | |
|--|---|--|-----------------|-------|--------------|------------------------|------|------|----------|------|-------|----------|-------|-------|---------|-------|------|------------------------|--|--|--------------------|
| | ▽=0 ▽=0 | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±.005</td> </tr> <tr> <td>2 PLACES</td> <td>±0.13</td> <td>±.010</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±---</td> </tr> </table> ANGULAR ± 1° | | mm | INCH | 4 PLACES | ±--- | ±--- | 3 PLACES | ±--- | ±.005 | 2 PLACES | ±0.13 | ±.010 | 1 PLACE | ±0.25 | ±--- | IN/MM 3:1 METRIC | DRAWN BY: KSI MONSO DATE: 2003/07/22 CHECKED BY: BRUSSELL DATE: 2003/10/23 APPROVED BY: BRUSSELL DATE: 2003/10/23 | TITLE: 1X5 SFP GANGED CAGE ASSEMBLY, PRESS FIT | MOLEX INCORPORATED |
| | | mm | INCH | | | | | | | | | | | | | | | | | | |
| | 4 PLACES | ±--- | ±--- | | | | | | | | | | | | | | | | | | |
| 3 PLACES | ±--- | ±.005 | | | | | | | | | | | | | | | | | | | |
| 2 PLACES | ±0.13 | ±.010 | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ±0.25 | ±--- | | | | | | | | | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO: SEE CHART DOCUMENT NO: SD-74723-001 | SHEET NO: 1 OF 5 | | | | | | | | | | | | | | | | | | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | | | | | |

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

CROSS-HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

HOST CONNECTOR DETAIL



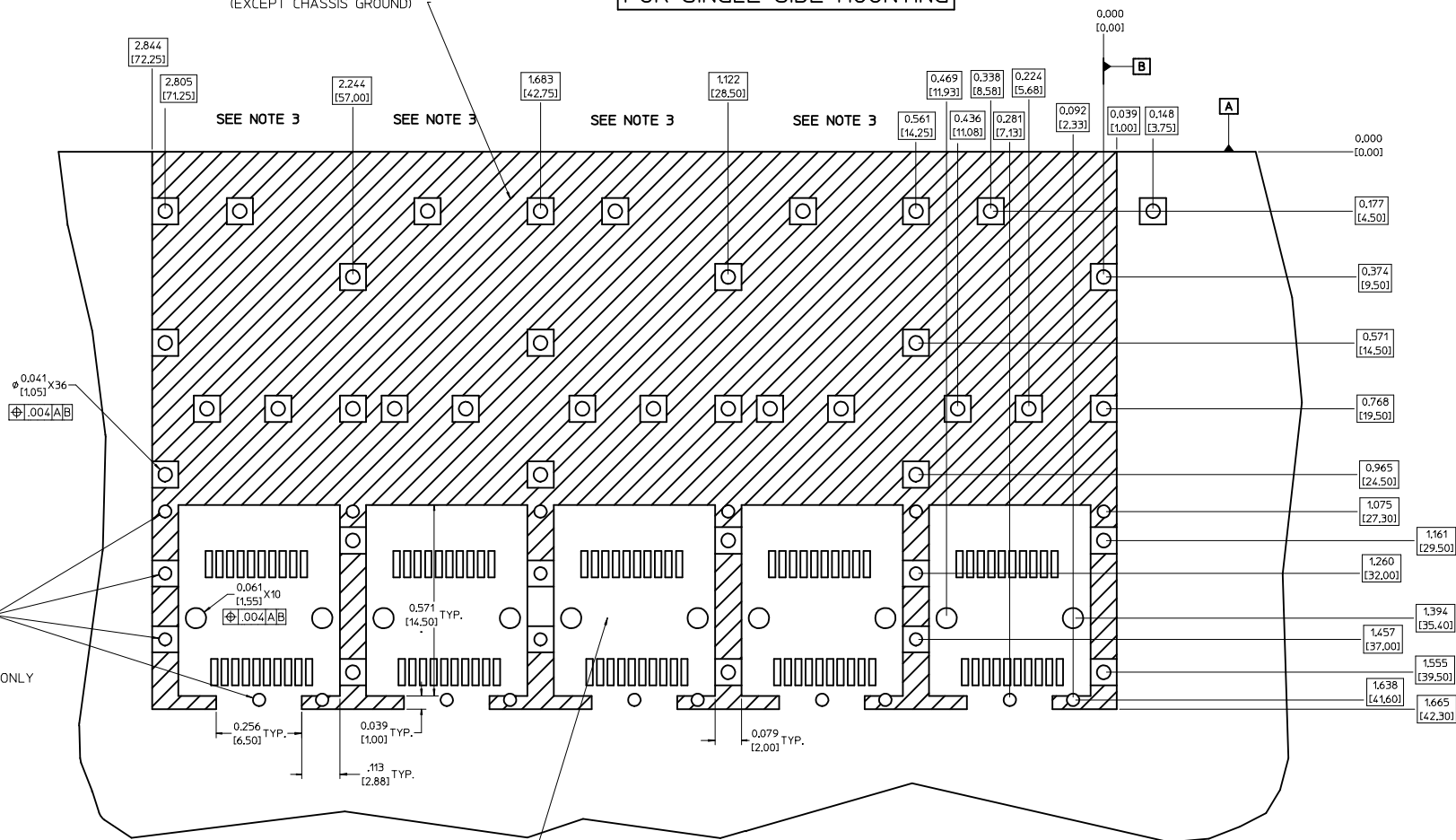
Detail1 SCALE 8:1

- NOTES:**
- PADS AND VIAS GO TO CHASSIS GROUND, (84 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE.
 - PLATING OPTIONAL FOR THROUGH HOLES (21 PLACES).
 - RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
 - HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS .561 [14.25].
 - CONNECTOR PAD LAYOUT PER SFP MSA. WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.

| | | | | | | | | |
|---|--------------------------------------|---|------------|---------------------------------|--------------------|------------------------|------------------------------|--|
| ADDED PN TABLE EC NO: CPG2013-1705 DRAWN BY: CHYKOMAJOHNSTON CHECKED BY: APPR:K.LLOYD DATE: 2012/11/29 DATE: 2012/12/05 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED): | | DIMENSION STYLE IN/MM | | SCALE 6:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | | 4 PLACES ±--- ±--- 3 PLACES ±--- ±.005 2 PLACES ±0.13 ±.010 1 PLACE ±0.25 ±--- ANGULAR ± 1° | mm INCH | DRAWN BY KS IMONSO | DATE 2003/07/22 | CHECKED BY BRUSSELL | DATE 2003/10/23 | TITLE 1X5 SFP GANGED CAGE ASSEMBLY, PRESS FIT |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO. SEE CHART | | APPROVED BY BRUSSELL | | DATE 2003/10/23 | DOCUMENT NO. SD-74723-001 | |
| SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | SHEET NO. 2 OF 5 | |

PCB LAYOUT
FOR SINGLE SIDE MOUNTING

CROSS-HATCHED AREA DENOTES
COMPONENT AND TRACE KEEP-OUT
(EXCEPT CHASSIS GROUND)

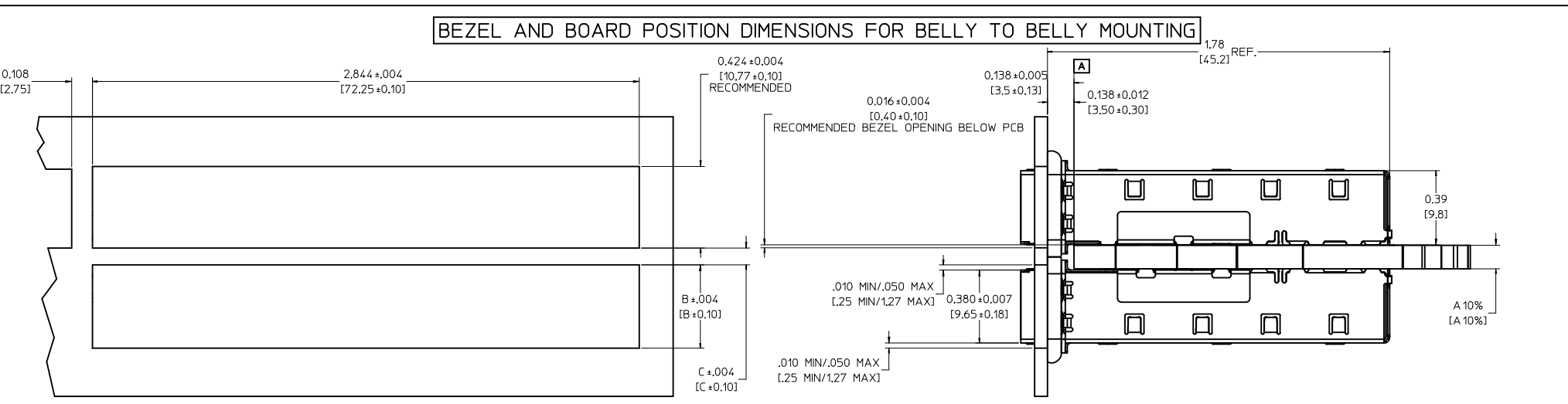
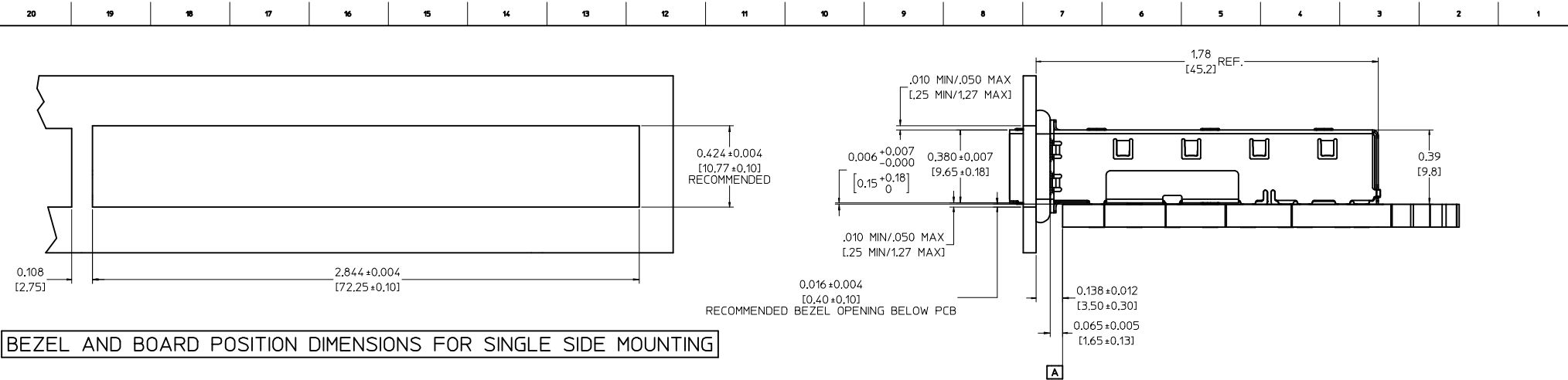


NOTES:

1. PADS AND VIAS GO TO CHASSIS GROUND, (42 PLACES).
RECOMMENDED PADS TO BE 2mm SQUARE.
2. PLATING OPTIONAL FOR THROUGH HOLES (16 PLACES).
3. RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
4. HOLE PATTERN REPEATS FOR EACH PORT.
SPACING BETWEEN PORTS IS .561 [14.25].
5. CONNECTOR PAD LAYOUT PER SFP MSA. WILL ACCOMODATE MOLEX
CONNECTOR SERIES 74441 OR EQUIVALENT.

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

| | | | | | |
|--|--|--|--|--|--|
| ADDED PN TABLE EC NO: CPG2013-1705 DRAWN BY: CHYKMA/JOHNSTON DATE: 2012/11/29 APPR: K/LLOYD DATE: 2012/12/05 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.10 ±.005 3 PLACES ±.13 ±.010 2 PLACES ±.25 ±.015 1 PLACE ±.25 ±.015 ANGULAR ± 1° | DIMENSION STYLE IN/MM DRAWN BY: KSI MONSO DATE: 2013/07/22 CHECKED BY: BRUSSELL DATE: 2013/10/23 APPROVED BY: BRUSSELL DATE: 2013/10/23 | SCALE: 6:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION | TITLE: 1X5 SFP GANGED CAGE ASSEMBLY, PRESS FIT |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO: SEE CHART SIZE: D | DOCUMENT NO: SD-74723-001 | SHEET NO: 3 OF 5 |
| | MOLEX INCORPORATED | | | | |
| | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |



NOTE: FOR A GIVEN BOARD THICKNESS (A), DIMENSIONS (B) AND (C) ARE DIRECTLY AFFECTED. USE RECOMMENDED DIMENSIONS AND TOLERANCES TO AID IN DEVELOPING BEZEL OPENING. FOR EXAMPLE USING A BOARD THICKNESS OF .125" THE RECOMMENDED VALUES WOULD BE:

A = .125/3.18 ± 10%

B = .434/11.03 ± .004

C = .088/2.23 ± .004

| | | | | | | | |
|---|--|---|--------------------|--------|---|---|------|
| ADDED PN TABLE EC NO: CPG2013-1705 DRAWN BY: CHYKOMA JOHNSTON CHECKED BY: APPR: K LLOYD DATE: 2012/11/29 DATE: 2012/12/05 DESCRIPTION: | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | $\nabla=0$ $\nabla=0$ | 4 PLACES ± .005 3 PLACES ± .005 2 PLACES ± 0.13 1 PLACE ± 0.25 ANGULAR ± 1° | IN/MM INCH | 4:1 | METRIC | <input checked="" type="checkbox"/> THIRD ANGLE <input type="checkbox"/> FIRST ANGLE | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | WATERL NO. | DATE | DATE | DATE | DATE | DATE |
| | SEE CHART | SD-74723-001 | MOLEX INCORPORATED | 4 OF 5 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

| REV | DATE | DESCRIPTION |
|-----|------------|---|
| A | 10/23/2003 | INITIAL RELEASE |
| B | 10/22/2005 | ADDED PCB AND BEZEL LAYOUTS. UPDATED NOTES. |
| C | 11/29/2012 | ADDED PN TABLE, SHEET 1. UPDATED RoHS NOTE. |

| ADDED PN TABLE EC NO: CPG2013-1705 DRAWN: PEREZ 2012/11/29 CHECKED: JOHNSTON 2012/11/29 APPROVED: LLOYD 2012/12/05 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0004</td> </tr> <tr> <td>3 PLACES</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>2 PLACES</td> <td>±0.13</td> <td>±.010</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±.010</td> </tr> </tbody> </table> ANGULAR ± 1° | | mm | INCH | 4 PLACES | ±.005 | ±.0004 | 3 PLACES | ±.005 | ±.0005 | 2 PLACES | ±0.13 | ±.010 | 1 PLACE | ±0.25 | ±.010 | DIMENSION STYLE IN/MM | SCALE 1:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
|---|--|---|---------------------------|------------------------------|---------------------|--------------------|-------|--------|----------|-------|--------|----------|-------|-------|---------|-------|-------|--------------------------|--------------|------------------------|------------------------|
| | | mm | INCH | | | | | | | | | | | | | | | | | | |
| 4 PLACES | ±.005 | ±.0004 | | | | | | | | | | | | | | | | | | | |
| 3 PLACES | ±.005 | ±.0005 | | | | | | | | | | | | | | | | | | | |
| 2 PLACES | ±0.13 | ±.010 | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ±0.25 | ±.010 | | | | | | | | | | | | | | | | | | | |
| DRAWN BY: XSIMONSO CHECKED BY: BRUSSELL APPROVED BY: BRUSSELL | DATE: 2003/07/22 DATE: 2003/10/23 DATE: 2003/10/23 | TITLE 1X5 SFP GANGED CAGE ASSEMBLY, PRESS FIT | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-74723-001 | SHEET NO. 5 OF 5 | MOLEX INCORPORATED | | | | | | | | | | | | | | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1