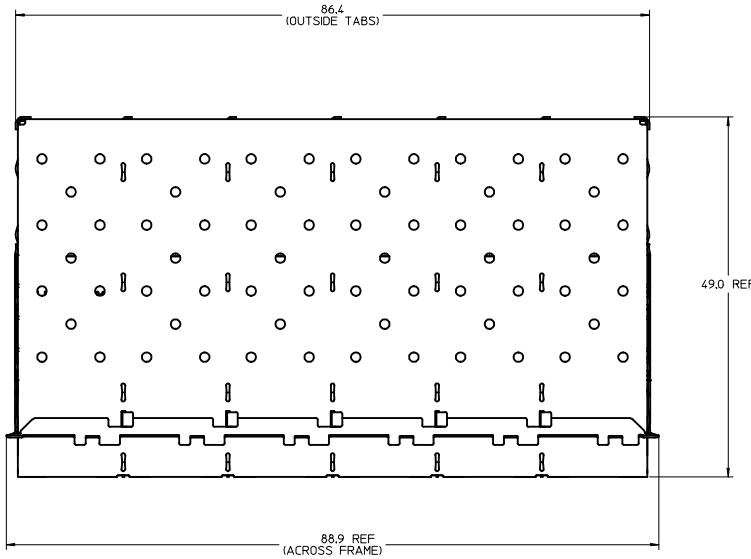
MM 3D-MODEL: TM-111112-2610

BASE CAGE DETAILS

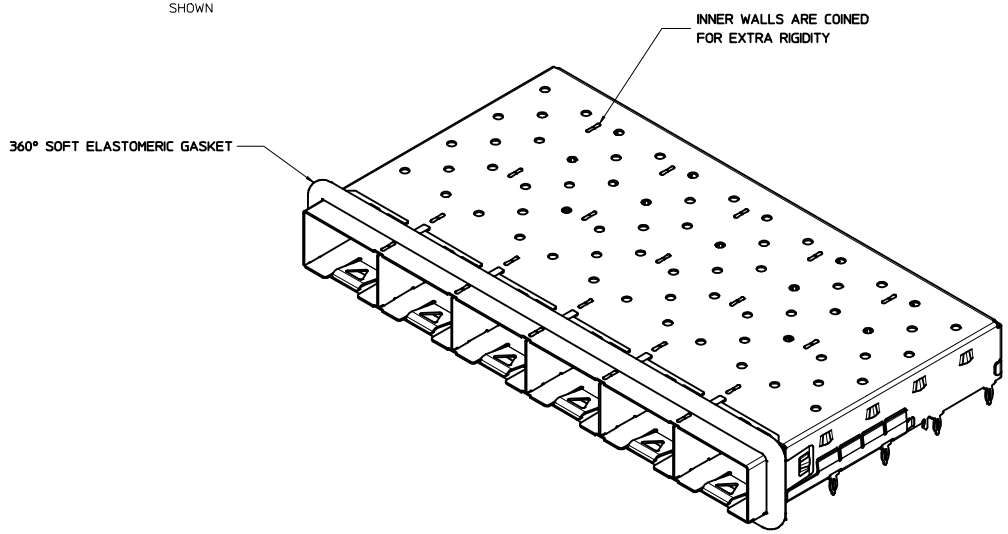
(APPLIES TO ALL CAGES IN THIS DRAWING)

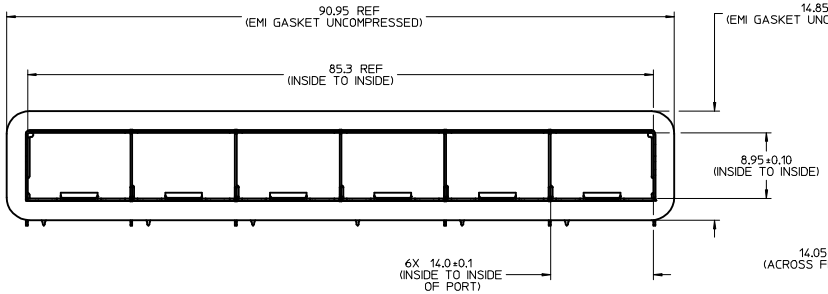
747540610

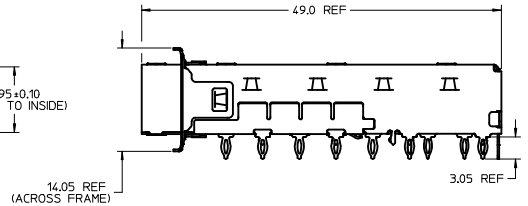
SHOWN



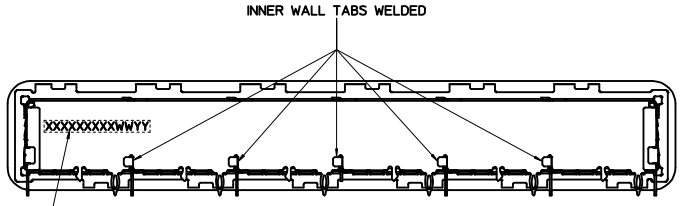
NOTE:
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.







NOTE:
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.



WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13

NOTES:
1. MATERIAL:
   CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.
   SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.
   HEATSINK: ALUMINUM, NICKEL PLATED.
   HEATSINK SPRING CLIP: STAINLESS STEEL.
2. PRESS FIT LEGS 3.05mm [.120 INCH] LONG:
3. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.
   THE TOP SURFACE OF THE MODULE MUST BE FLAT (NO PRODUCT LABEL RECESS) AND THERMALLY CONDUCTIVE TO FUNCTION OPTIMALLY.
4. WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.
5. NO ROHS EXEMPTIONS.
6. CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

SEE REVISION TABLE
EC NO: CPG2014-2832 2014/03/10
DRWN:JWALLACE01 2014/03/14
CHKD:GBARDELLA 2014/03/25
APPR:KLLOYD 2014/03/25
DESCRIPTION
REV D

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---
ANGULAR	±---°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

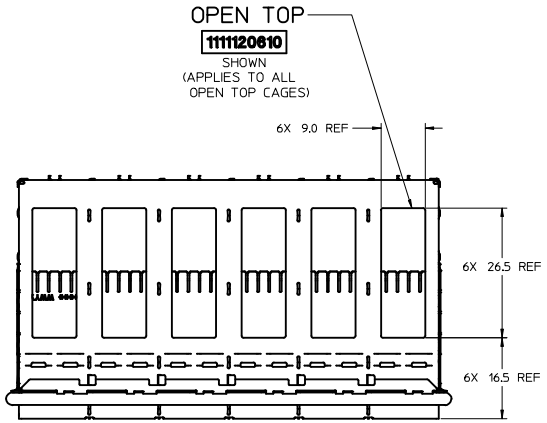
DRAWN BY	JHATTON
DATE	2012/12/03
CHECKED BY	MMCKERVEY
DATE	2012/12/07
APPROVED BY	KLLOYD
DATE	2012/12/20
MATERIAL NO.	SEE SHEET 4

TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET

molex

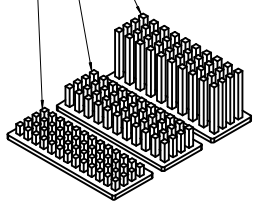
DOCUMENT NO. SD-111112-2610
SHEET NO. 1 OF 9
SIZE D

CAGE ASSEMBLY OPTIONS



HEATSINK OPTIONS

PIN FIELD NETWORKING
PIN FIELD SAN
PIN FIELD PCI



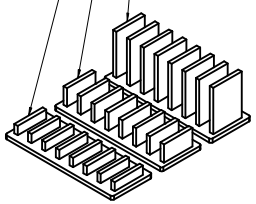
OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

NOTE: PCI - 13 ROWS
SAN - 11 ROWS
NETWORKING - 10 ROWS

HEATSINK OPTIONS

LATERAL FIN NETWORKING
LATERAL FIN SAN
LATERAL FIN PCI

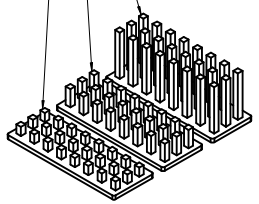


OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

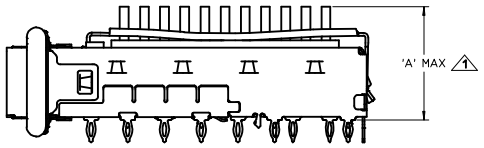
HEATSINK OPTIONS

WIDE GAP PIN NETWORKING
WIDE GAP PIN SAN
WIDE GAP PIN PCI

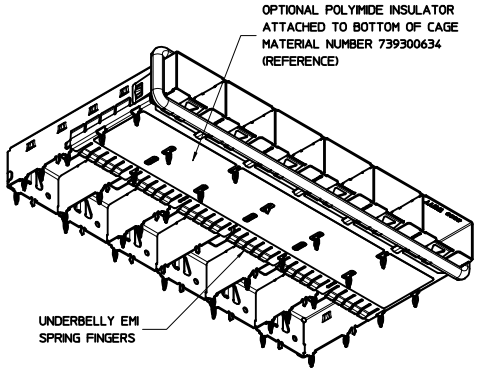


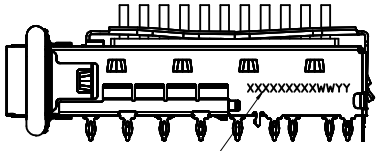
OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6



NOTES:
1. HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.



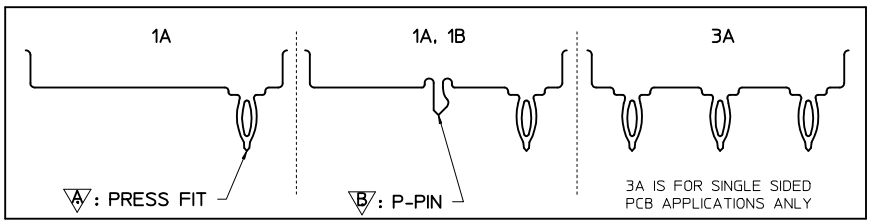


PN/DATE CODE TO BE PRINTED ON THE SIDE OF
COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.

WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13

REAR LEG OPTIONS

(PER PORT)



SEE REVISION TABLE
EC NO: CPG2014-2832
DRWN: JWALLACE01 2014/03/10
CHKD: GBARDELLA 2014/03/14
APPR: KLLOYD 2014/03/25
DESCRIPTION
REV
D

QUALITY SYMBOLS
A =0
B =0
C =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

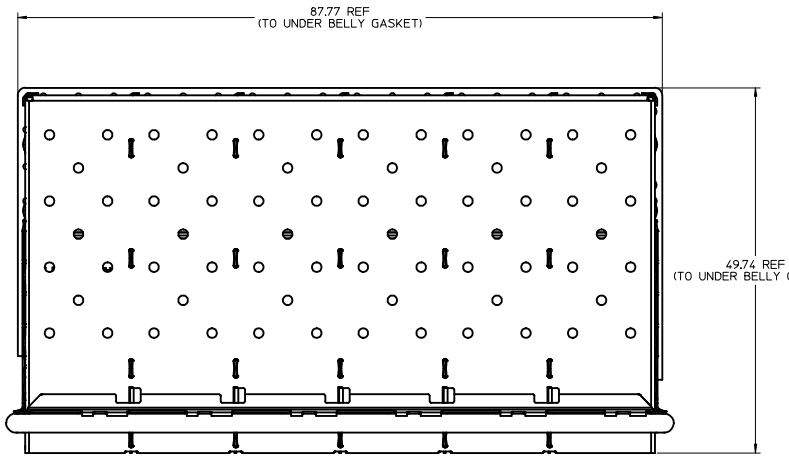
DRAWN BY: JHATTON DATE: 2012/12/03
CHECKED BY: MMCKERVEY DATE: 2012/12/07
APPROVED BY: KLLOYD DATE: 2012/12/20
MATERIAL NO.: SEE SHEET 4

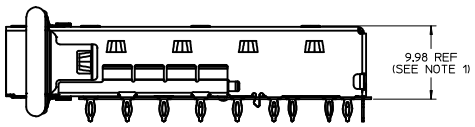
TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET
molex
DOCUMENT NO.: SD-111112-2610
SHEET NO.: 2 OF 9
SIZE: D

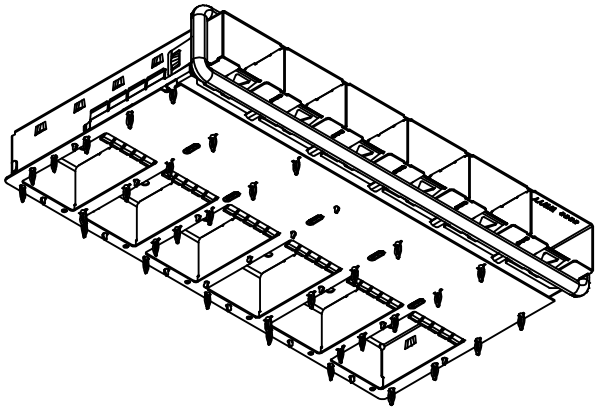
OPTIONAL GEN 2 UNDER BELLY GASKET

1001150610

SHOWN







NOTE:
1. CAGE LEG STANDOFF WILL PIERCE GASKET WHEN PROPERLY PRESSED INTO PCB

ENTER DESCRIPTION
EC NO: CPG2014-2832
DRWN:JWALLACE01 2014/03/10
CH'KD:GBARDELLA 2014/03/14
APPR:KLLOYD 2014/03/25
DESCRIPTION
REV
D

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

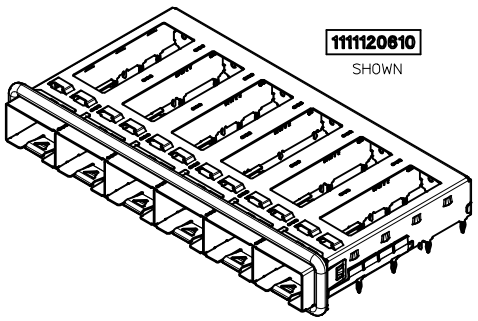
DRAWN BY: JHATTON DATE: 2012/12/03
CHECKED BY: MMCKERVEY DATE: 2012/12/07
APPROVED BY: KLLOYD DATE: 2012/12/20
MATERIAL NO.: SEE SHEET 4

TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET

molex

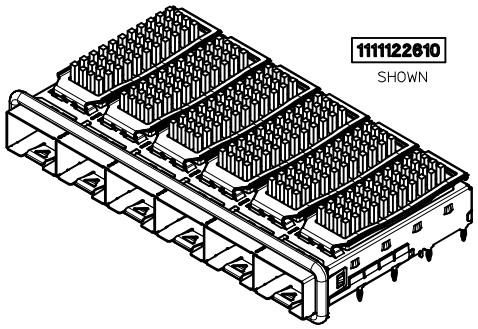
DOCUMENT NO.: SD-111112-2610
SHEET NO.: 3 OF 9
SIZE: D

PART NUMBER SELECTION



1111120610
SHOWN

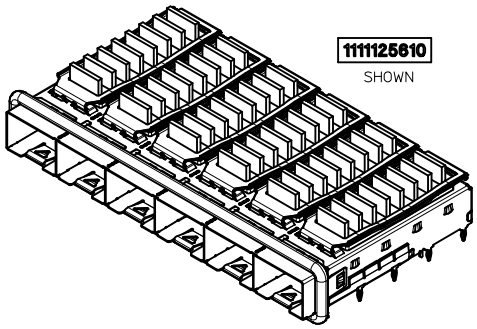
SFP+ OPEN TOP BASE CAGE FOR HEATSINKS			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111120610	---	---	1A, 1B
1111120650	YES	---	1A, 1B



1111122610
SHOWN

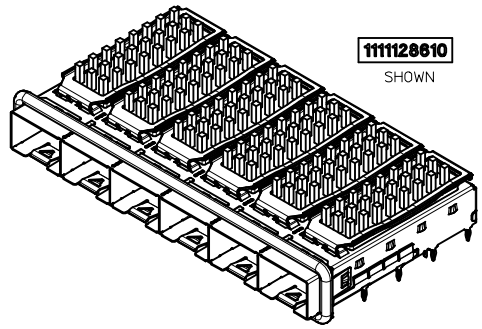
SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111121610	---	PCI	1A, 1B
1111121650	YES	PCI	1A, 1B
1111122610	---	SAN	1A, 1B
1111122650	YES	SAN	1A, 1B
1111123610	---	NET	1A, 1B
1111123650	YES	NET	1A, 1B

NOTE: PCI - 13 ROWS
SAN - 11 ROWS
NETWORKING - 10 ROWS



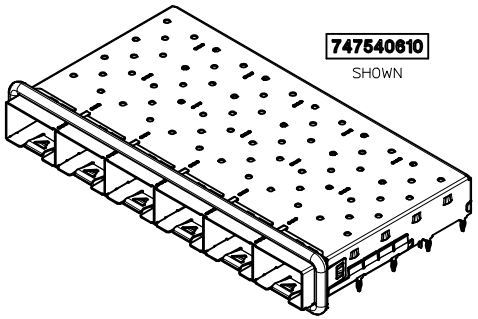
1111125610
SHOWN

SFP+ LATERAL FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111124610	---	PCI	1A, 1B
1111124650	YES	PCI	1A, 1B
1111125610	---	SAN	1A, 1B
1111125650	YES	SAN	1A, 1B
1111126610	---	NET	1A, 1B
1111126650	YES	NET	1A, 1B



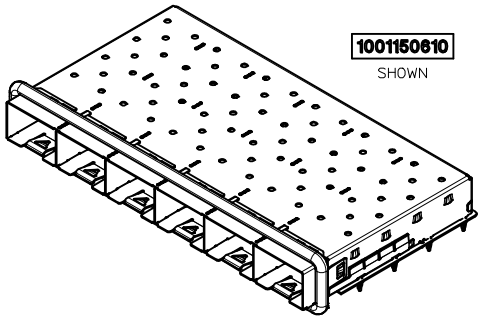
1111128610
SHOWN

SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111127610	---	PCI	1A, 1B
1111127650	YES	PCI	1A, 1B
1111128610	---	SAN	1A, 1B
1111128650	YES	SAN	1A, 1B
1111129610	---	NET	1A, 1B
1111129650	YES	NET	1A, 1B



747540610
SHOWN

SFP+ CLOSED TOP CAGE			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
747540610	---	---	1A, 1B
747540611	---	---	3A
747540613	---	---	1A, 1B



1001150610
SHOWN

zSFP+ GEN 2 CLOSED TOP BASE CAGE			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1001150610	---	---	1A, 1B

SEE REVISION TABLE
EC NO: CPG2014-2832
DRWN: JWALLACE01 2014/03/10
CHKD: GBARDELLA 2014/03/14
APPR: KLLOYD 2014/03/25
DESCRIPTION
REV
D

QUALITY SYMBOLS
⏚=0
⏚=0
⏚=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

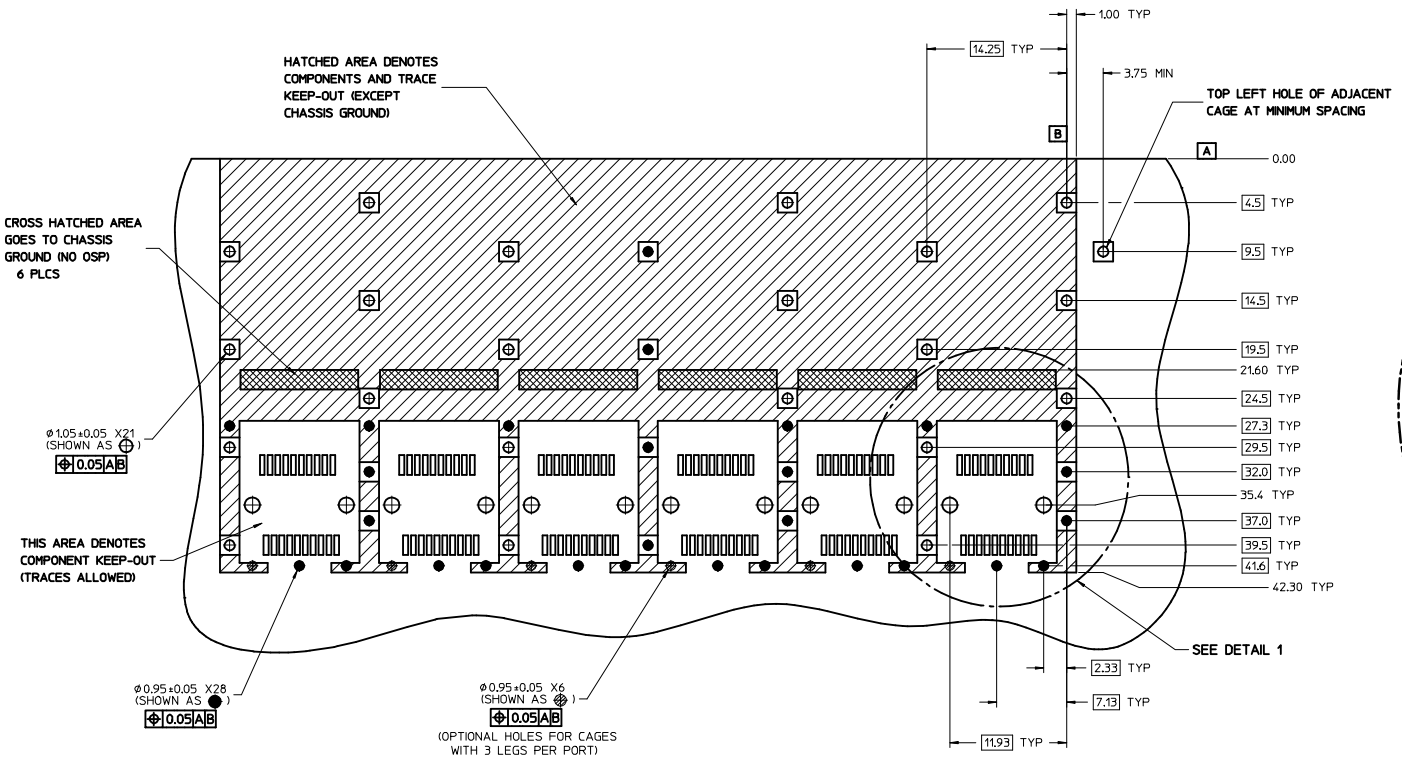
DRAWN BY: JHATTON DATE: 2012/12/03
CHECKED BY: MMCKERVEY DATE: 2012/12/07
APPROVED BY: KLLOYD DATE: 2012/12/20
MATERIAL NO.: SEE TABLE

TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET

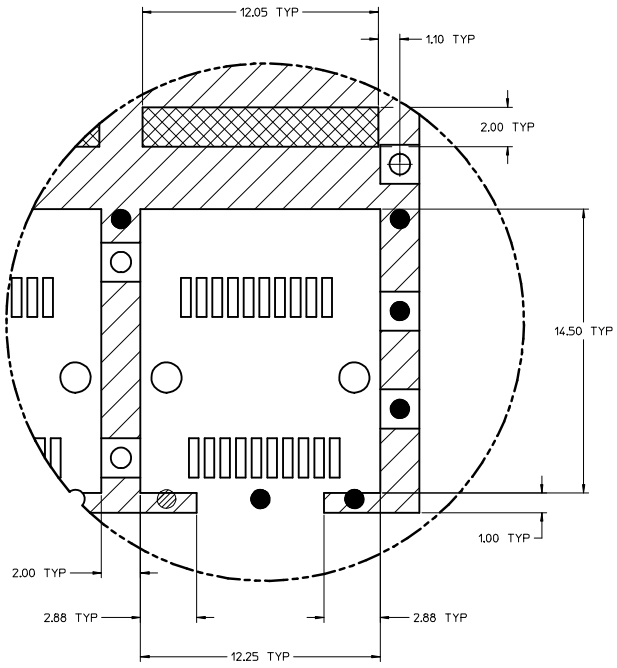
molex

DOCUMENT NO.: SD-111112-2610
SHEET NO.: 4 OF 9
SIZE: D

PCB LAYOUT - SINGLE SIDE ONLY



HOST CONNECTOR DETAIL



DETAIL 1
Scale 8:1

NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE).
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
5. MIN PCB THICKNESS FOR SINGLE SIDED USE: 1.57mm [0.062"]

SEE REVISION TABLE			
EC NO: CPG2014-2832	DRWN:JWALLACE01	CHKD:GBARDELLA	APPR:KLLOYD
2014/03/10	2014/03/14	2014/03/25	
DESCRIPTION			
REV			
D			

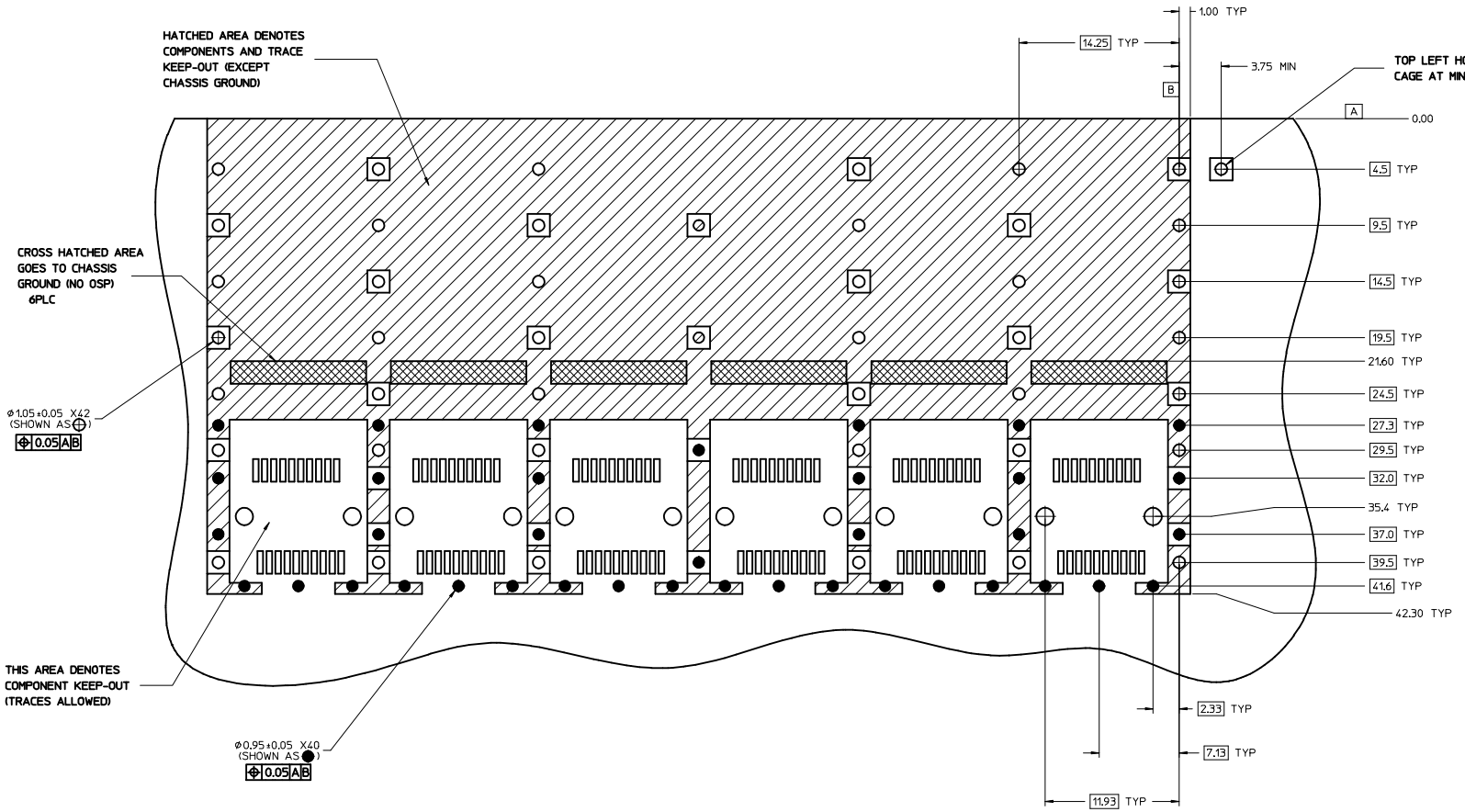
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
=0	4 PLACES	± ---	± ---
=0	3 PLACES	± ---	± ---
=0	2 PLACES	± 0.13	± ---
=0	1 PLACE	± 0.25	± ---
	0 PLACE	± ---	± ---
	ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	JHATTON
DATE	2012/12/03
CHECKED BY	MMCKERVEY
DATE	2012/12/07
APPROVED BY	KLLOYD
DATE	2012/12/20
MATERIAL NO.	SEE SHEET 4
TITLE	1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET
DOCUMENT NO.	SD-111112-2610
SHEET NO.	5 OF 9
SIZE	D

molex

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



NOTE:
SEE SHEET 5 FOR
HOST CONNECTOR DETAIL

NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE).
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
5. MIN PCB THICKNESS FOR BELLY TO BELLY USE: 3.00mm [0.118"]

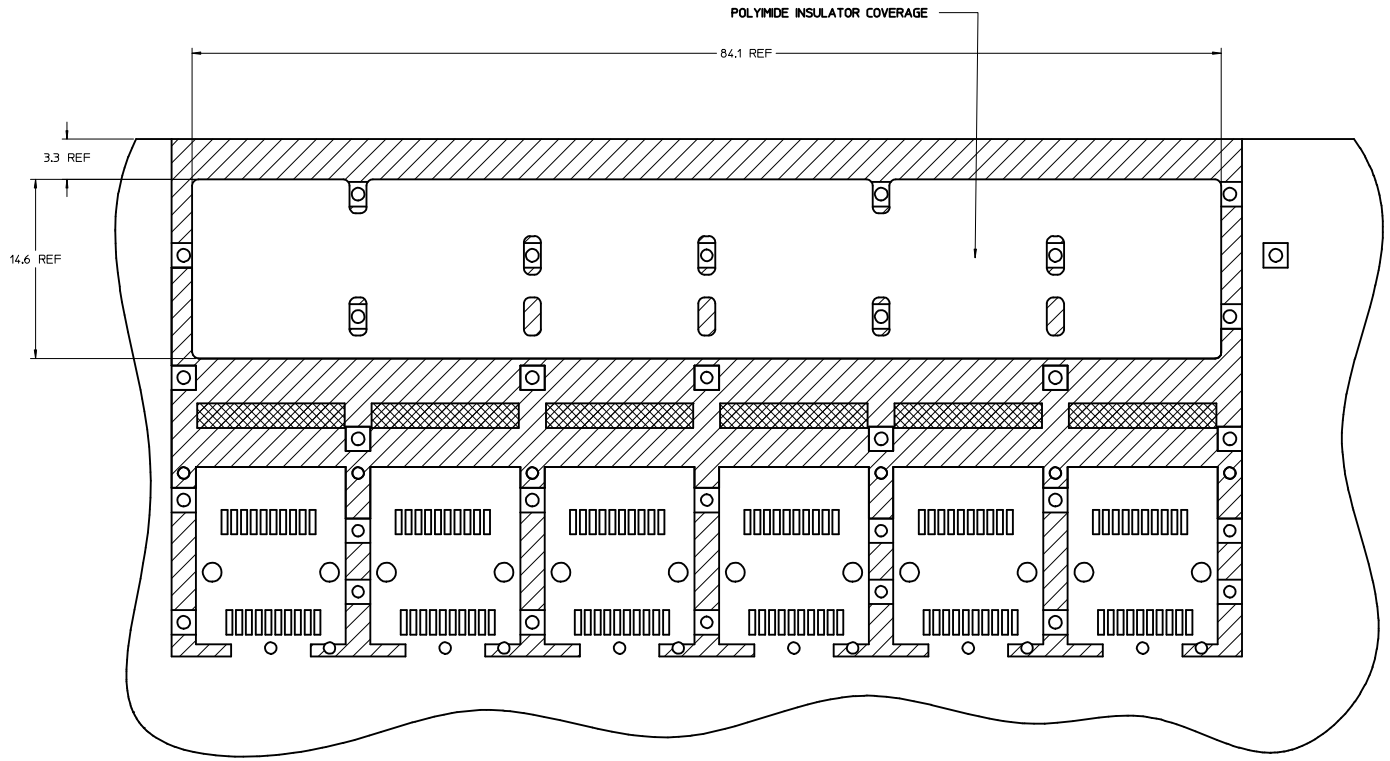
SEE REVISION TABLE			
EC NO: CPG2014-2832	DRWN:JWALLACE01	CHKD:GBARDELLA	APPR:KLLOYD
DESCRIPTION	2014/03/10	2014/03/14	2014/03/25
REV	D		

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
▽=0	4 PLACES	± ---	± ---
▽=0	3 PLACES	± ---	± ---
▽=0	2 PLACES	± 0.13	± ---
	1 PLACE	± 0.25	± ---
	0 PLACE	± ---	± ---
	ANGULAR ±---°		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	MM ONLY
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	JHATTON
DATE	2012/12/03
CHECKED BY	MMCKERVEY
DATE	2012/12/07
APPROVED BY	KLLOYD
DATE	2012/12/20
MATERIAL NO.	SEE SHEET 4
TITLE	1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET
DOCUMENT NO.	SD-111112-2610
SHEET NO.	6 OF 9
SIZE	D

POLYIMIDE INSULATOR COVERAGE AREA

(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)



SEE REVISION TABLE			
EC NO: CPG2014-2832			
DRWN:JWALLACE01	2014/03/10		
CH'KD:GBARDELLA	2014/03/14		
APPR:KLLOYD	2014/03/25		
REV	D	DESCRIPTION	

QUALITY SYMBOLS: ▽=0, ▽=0, ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	JHATTON
DATE	2012/12/03
CHECKED BY	MMCKERVEY
DATE	2012/12/07
APPROVED BY	KLLOYD
DATE	2012/12/20
MATERIAL NO.	SEE SHEET 4
SIZE	D

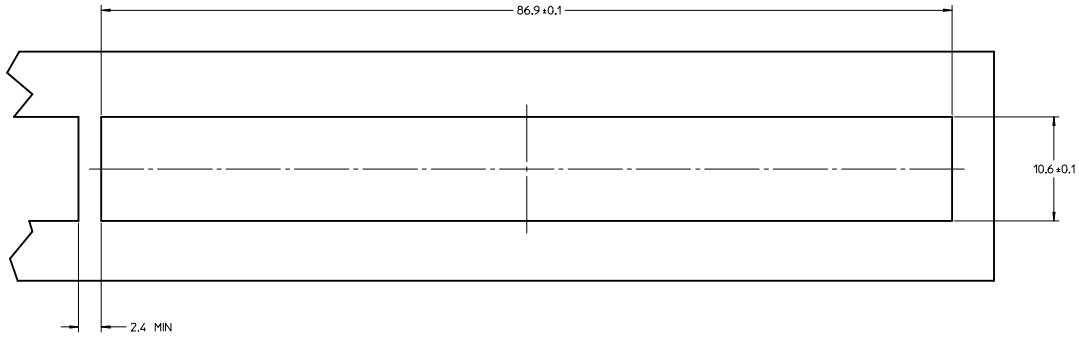
TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET

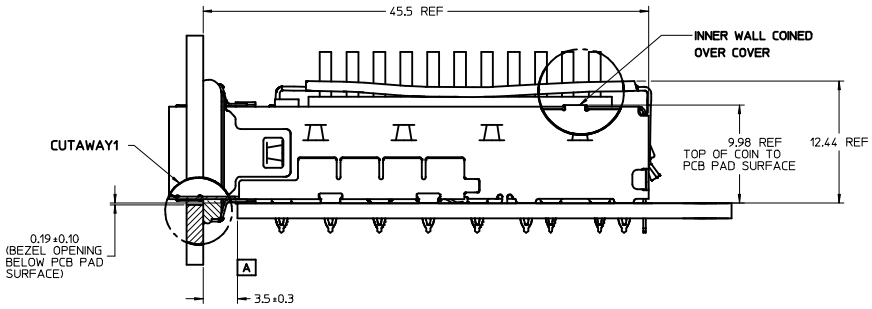
molex

DOCUMENT NO.: SD-111112-2610

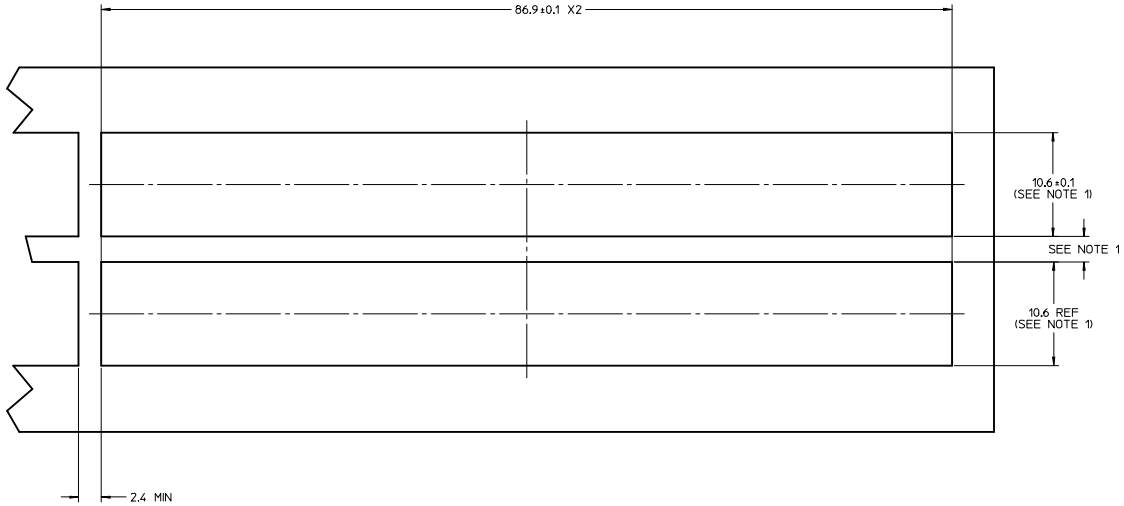
SHEET NO.: 7 OF 9

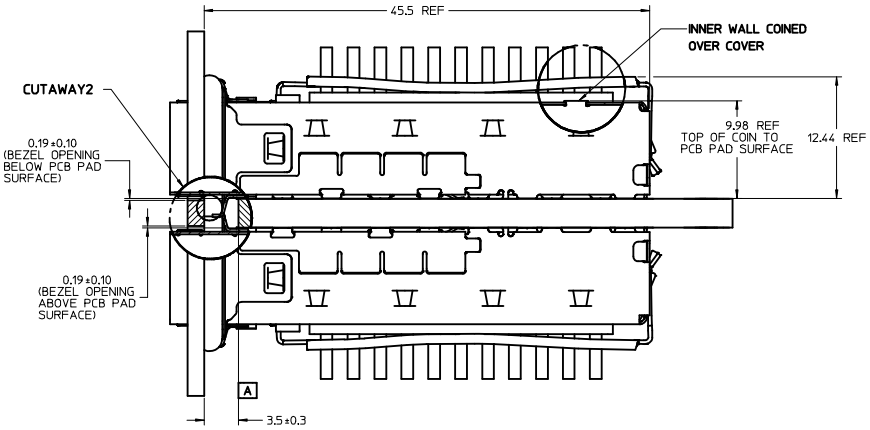
BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (ELASTOMERIC GASKET)





BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (ELASTOMERIC GASKET)





NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.

SEE REVISION TABLE EC NO: CPG2014-2832 DRWN:JWALLACE01 2014/03/10 CH'KD:GBARDELLA 2014/03/14 APPR:KLLOYD 2014/03/25	DESCRIPTION	REV	QUALITY SYMBOLS ⌀=0 ⌀=0 ⌀=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.13 / ± --- 1 PLACE ± 0.25 / ± --- 0 PLACE ± --- / ± --- ANGULAR ±---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY DRAWN BY: JHATTON DATE: 2012/12/03 CHECKED BY: MMCKERVEY DATE: 2012/12/07 APPROVED BY: KLLOYD DATE: 2012/12/20 MATERIAL NO.: SEE SHEET 4	SCALE: 4:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET molex DOCUMENT NO.: SD-111112-2610 SHEET NO.: 8 OF 9 SIZE: D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
D										

DATE	REV	DESCRIPTION
2012/12/03	A	1. INITIAL RELEASE
2013/02/01	B	1. REMOVED EMI GASKET FROM TOP, @J16, AND RIGHT SIDE, @E8, VIEWS FOR CLARITY. ADDED EMI GASKET UNCOMPRESSED OVERALL DIMENSIONS TO FRONT VIEW, @E16. ADDED FINISHED ASSEMBLY PRINTED PN/DATE CODE, 9.83 REF DIMENSION TO SIDE VIEW, REMOVED EMI GASKET FOR CLARITY, @E8. ADDED BACK VIEW, @E2, ADDED INNER WALL WELD NOTE. REMOVED BELLY ISO VIEW. CAHNGED DIMENSION "9.83 REF" TOP OF CAGE TO "9.98 REF" TOP OF COIN. MOVED MIN PCB THICKNESS NOTE TO RESPECTIVE PCB LAYOUT SHEETS, REMOVED INSERTION FORCE FROM NOTE 2. MOVED OPEN TOP VIEW & CUTOUT DIMENSIONS TO SHEET 2. (SHEET 1) 2. ADDED "REAR LEG OPTIONS" SECTION, @B16. REMOVED CAGES FROM HEATSINK OPTIONS VIEWS & UPDATED TABLES, @J2, J6 & J11. MOVED VIEW FROM I16 TO F10. ADDED ISO VIEW TO IDENTIFY UNDER BELLY GASKET @F4, TOP VIEW OF OPEN TOP & DIMENSIONS @J16. (SHEET 2) 3. ADDED PN'S 747540610, 747540611, 747540613 & 1111110610 ADDING VIEWS AND PN TABLES. ADDED "SFP+" TO TABLES (SHEET 3) 4. REMOVED BASIC TOLERANCE FROM DIMENSION 35.4 TYP, @F8. ADDED MIN PCB THICKNESS NOTE. (SHEET 4) REMOVED BASIC TOLERANCE FROM DIMENSION 35.4 TYP, @F5. ADDED MIN PCB THICKNESS NOTE. (SHEET 5) 5. REMOVED SINGLE SIDED VIEW AND ADDED APPLICATION NOTE TO TOP OF SHEET. (SHEET 6) 6. CHANGED TOLERANCE ON DIMENSIONS 0.19 TO 0.19 ±0.10, @D9 & F9. ADDED CENTER LINES TO BEZELS. REMOVED CUTAWAY 2 & 4 SIDE VIEWS, RENAMED CUTAWAY 3 TO CUTAWAY 2. REMOVED "10.03 TYP" DIMENSIONS FROM SIDE VIEWS. REMOVED "SEE NOTE 1" FROM 10.6 ±0.1 BEZEL OPENING SIZE DIMENSIONS @D10, F10 & K10. REMOVED "SIZE AND" FROM NOTE 1. (SHEET 7) 7. MOVED NOTES TO BOTTOM LEFT CORNER AND INCREASED TEXT HEIGHT. (SHEETS 1, 4, 5 & 7)
2013/02/14	C	1. ADDED BASIC DIMENSIONS 19.5 @H8, 29.5 @G8 & 39.5 @F8 BACK TO SINGLE SIDED PCB LAYOUT. (SHEET 4) 2. CORRECTED 3D MODEL CHANGING DIMENSION 12.53 TO 12.44 @K1 &F1. (SHEET 7) 3. CHANGED DIMENSION IN TITLE BLOCK TO MM ONLY. (ALL SHEETS)
2014/03/10	D.	1. REMOVED PN/DATE CODE FROM RIGHT VIEW @E9 AND ADDED TO BACK VIEW @E6. (SHEET 1) 2. REPLACED ISO VIEW @E4 WITH RIGHT VIEW WITH PN/DATE CODE. (SHEET 2) 3. ADDED NEW SHEET 3 WITH OPTIONAL GEN 2 UNDER BELLY GASKET VIEWS. (SHEET 3) 4. RENUMBERED 3-8 TO MAKE THE SHEETS TOTAL 9 5. REMOVED ISO VIEW 1111110610 AND REPLACED WITH ISO VIEW 1001150610 @F13 (SHEET 4)

SEE REVISION TABLE
EC NO: CPG2014-2832
DRWN:JWALLACE01 2014/03/10
CHKD:GBARDELLA 2014/03/14
APPR:KLLOYD 2014/03/25
DESCRIPTION
REV D

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

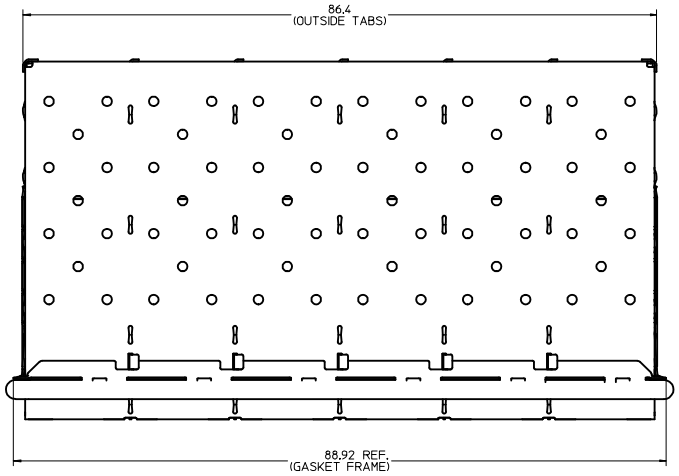
DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

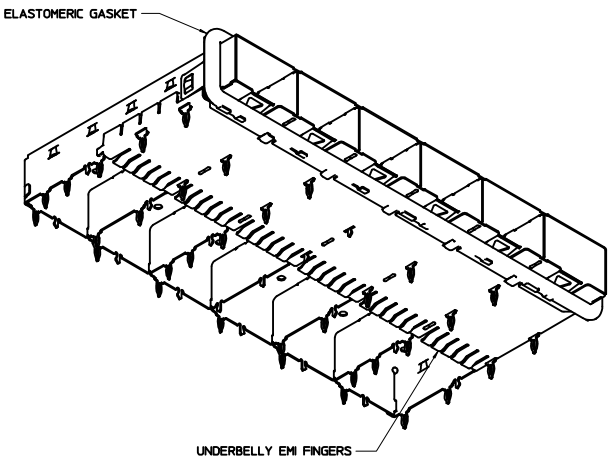
DRAWN BY: JHATTON DATE: 2012/12/03
CHECKED BY: MMCKERVEY DATE: 2012/12/07
APPROVED BY: KLLOYD DATE: 2012/12/20
MATERIAL NO.: SEE SHEET 4

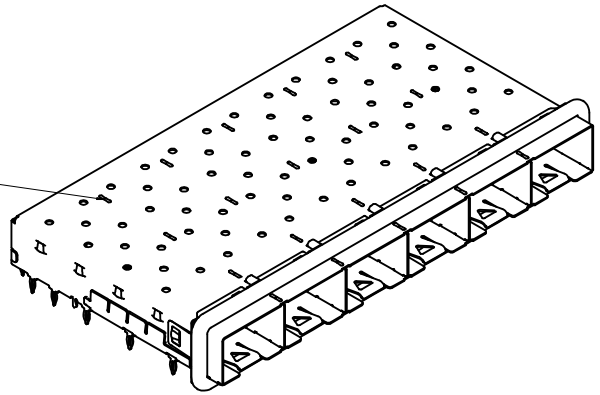
TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET

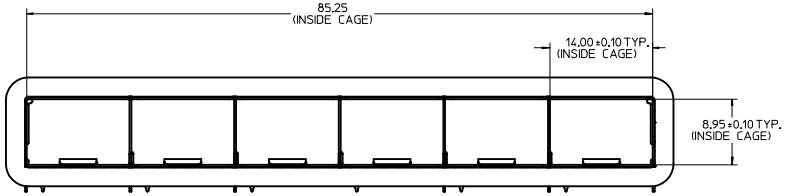
molex

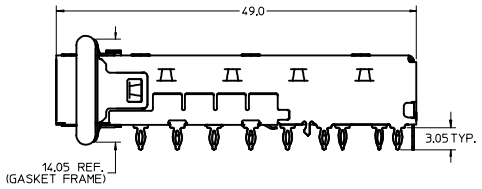
DOCUMENT NO.: SD-111112-2610
SHEET NO.: 9 OF 9
SIZE: D

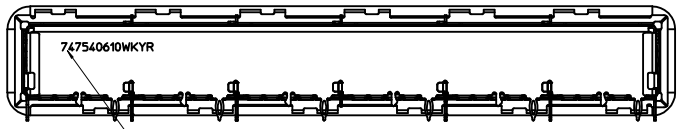












WEEK/YEAR DATE CODE TABLE		
WEEK = 01 THRU 52	EXAMPLE: 01 = FIRST WEEK OF YEAR	52 = LAST WEEK OF YEAR
YEAR = 08 OR 09, ETC.	EXAMPLE: 2008 = YEAR 08	

NOTES:

1. MATERIAL:
   CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm
   SPRING FINGER: NICKEL PLATED COPPER ALLOY, THICKNESS 0.10mm
2. PRESS FIT LEGS 3.05 LONG -
   1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE
   3.00 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE
3. OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
4. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANCEIVERS
5. THIS PART MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS) DIRECTIVE (2002/95/EC)

REVISED
EC NO: USY2011-0268 2010/10/19
DRWN:RMIKLINSKI
CHKD:
APPR:KJANOTA 2010/10/21
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: CHIRSCHY DATE: 2007/05/04
CHECKED BY: BRUSSELL DATE: 2007/05/04
APPROVED BY: KJANOTA DATE: 2010/10/21

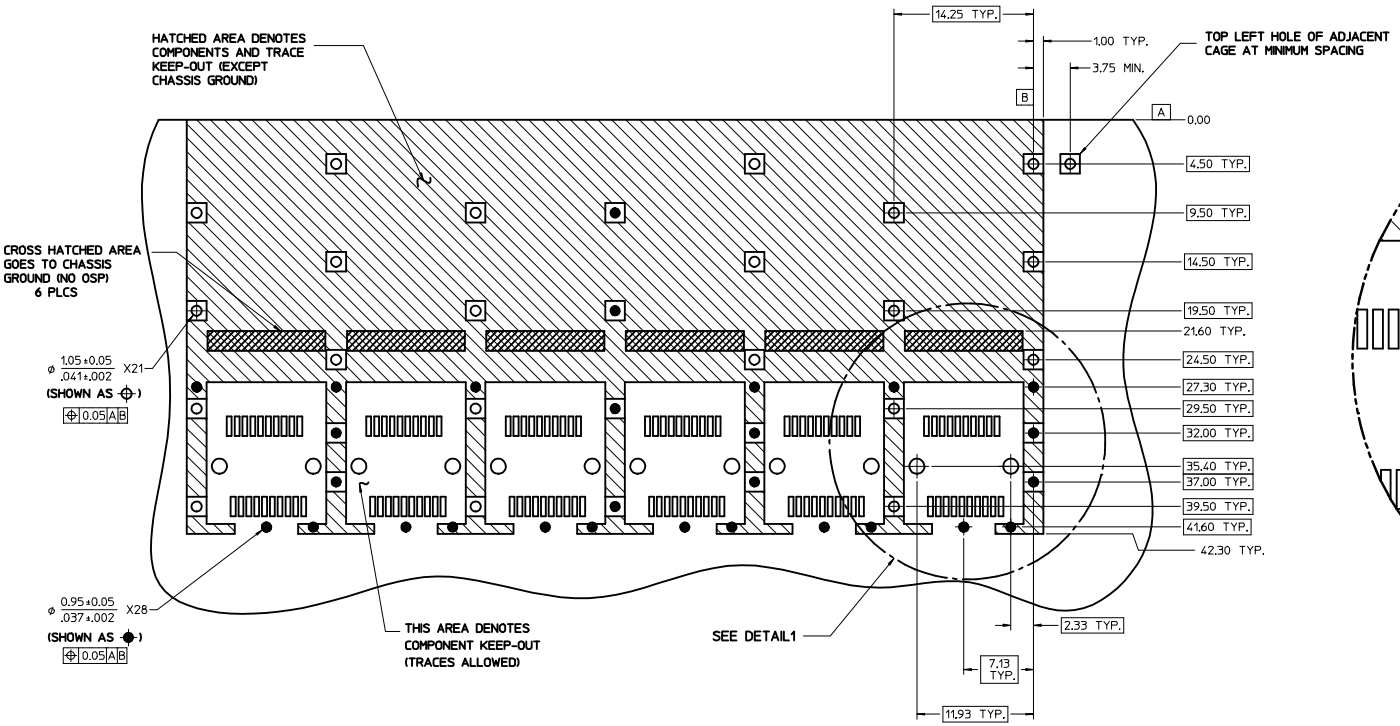
TITLE: SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET

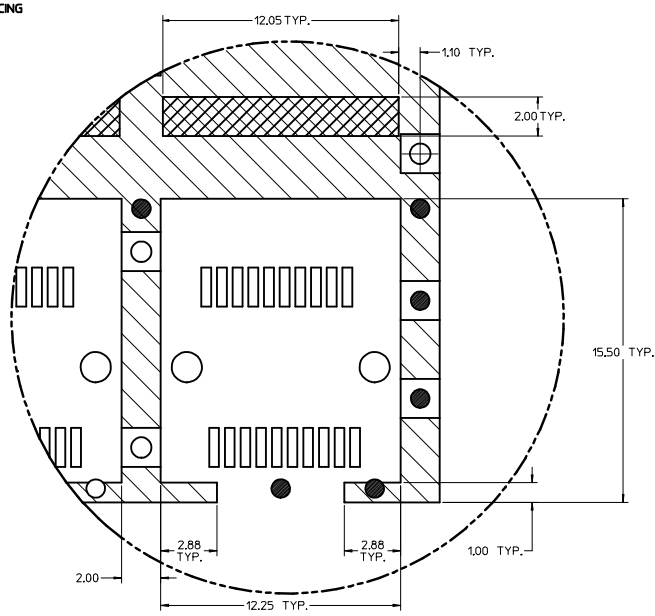
molex MOLEX INCORPORATED

MATERIAL NO.: 747540610
DOCUMENT NO.: SD-74754-0610
SHEET NO.: 1 OF 4

SIZE: D

PCB LAYOUT FOR SINGLE SIDE MOUNT





DETAIL1
SCALE 8:1
HOST CONNECTOR DETAIL

NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EC NO: USY2011-0268 FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

REV	DESCRIPTION	DRWN:	CHK'D:	APPR:
D	REVISED EC NO: USY2011-0268	RMIKLINSKI 2010/10/19		KJANOTA 2010/10/21

QUALITY SYMBOLS: ▼=0, ▽=0

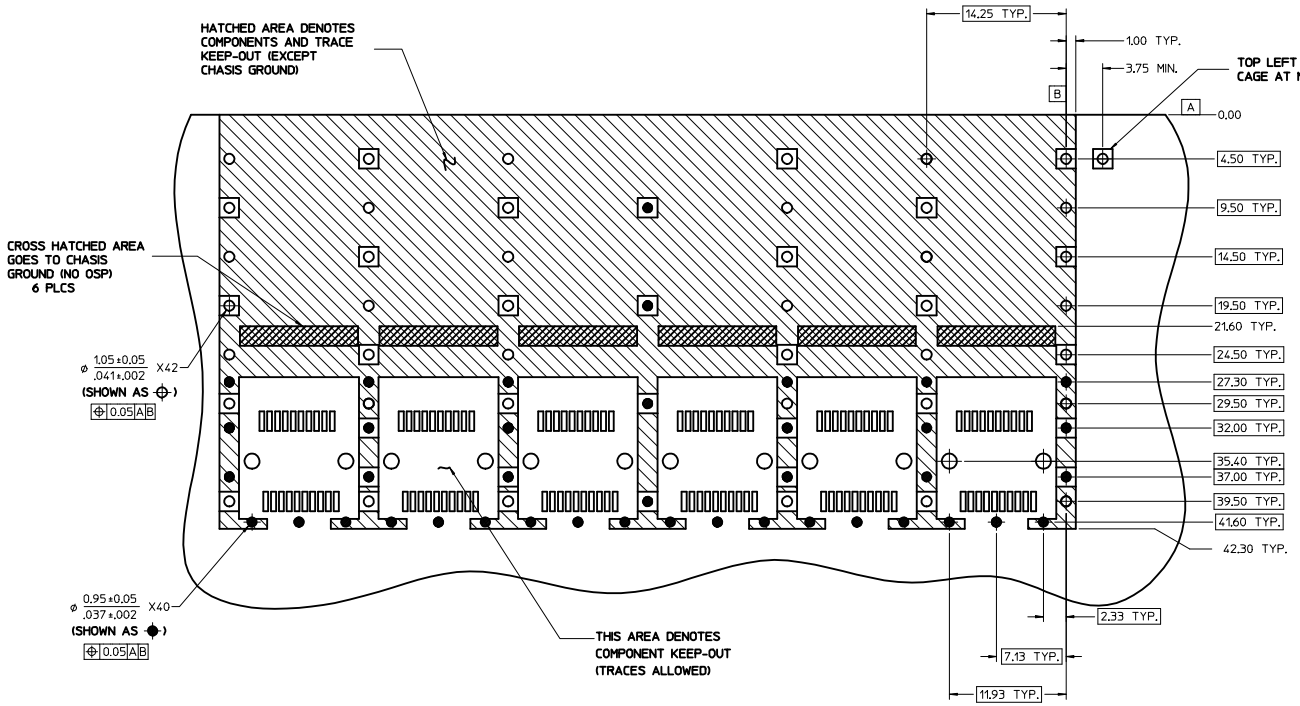
GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	CHIRSCHY 2007/05/04
CHECKED BY	BRUSSELL 2007/05/04
APPROVED BY	KJANOTA 2010/10/21
TITLE	SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET
	MOLEX INCORPORATED
MATERIAL NO.	747540610
DOCUMENT NO.	SD-74754-0610
SHEET NO.	2 OF 4
SIZE	D

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL

NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

REVISED
EC NO: USY2011-0268 2010/10/19
DRWN:RMIKLINSKI 2010/10/21
CHKD:
APPR:KJANOTA
DESCRIPTION
REV
D

QUALITY SYMBOLS
▼=0
▽=0

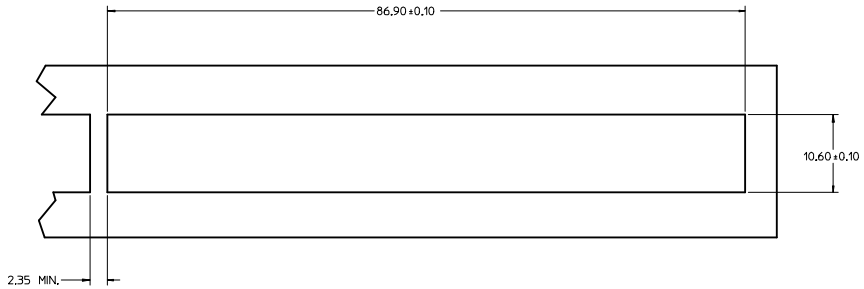
GENERAL TOLERANCES (UNLESS SPECIFIED)

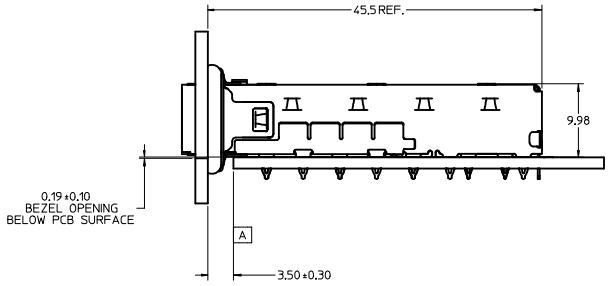
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

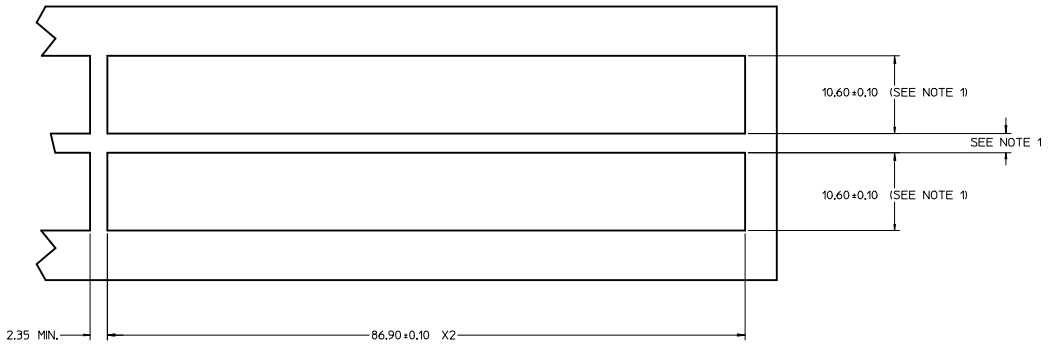
DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	CHIRSCHY 2007/05/04
CHECKED BY / DATE	BRUSSELL 2007/05/04
APPROVED BY / DATE	KJANOTA 2010/10/21
TITLE	SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET
	MOLEX INCORPORATED
MATERIAL NO.	747540610
DOCUMENT NO.	SD-74754-0610
SHEET NO.	3 OF 4
SIZE	D

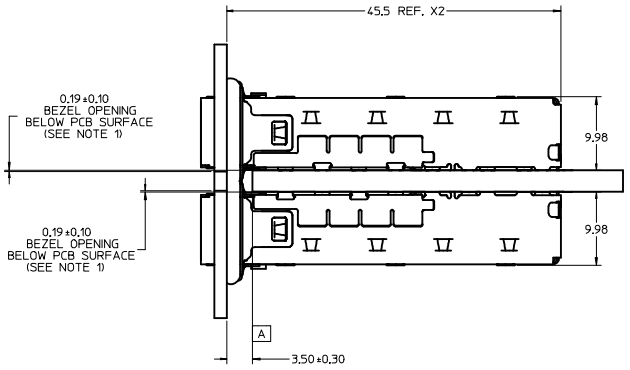
BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (GASKET)





BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (GASKET)





NOTES:

1. **PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.**

REVISED	EC NO: USY2011-0268	DRWN:RMIKLINSKI	2010/10/19
		CHKD:	
		APPR:KJANOTA	2010/10/21
REV	D	DESCRIPTION	

QUALITY SYMBOLS: ▼=0, ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY	
SCALE	3:1	
DESIGN UNITS	METRIC	
		THIRD ANGLE PROJECTION
DRAWN BY	CHIRSCHY	DATE 2007/05/04
CHECKED BY	BRUSSELL	DATE 2007/05/04
APPROVED BY	KJANOTA	DATE 2010/10/21
MATERIAL NO.	747540610	
TITLE	SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET	
	MOLEX INCORPORATED	
DOCUMENT NO.	SD-74754-0610	SHEET NO. 4 OF 4
SIZE	D	