



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!



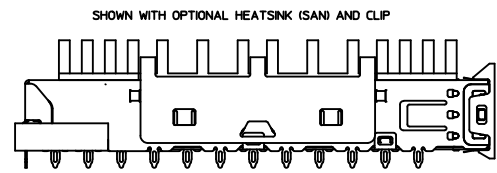
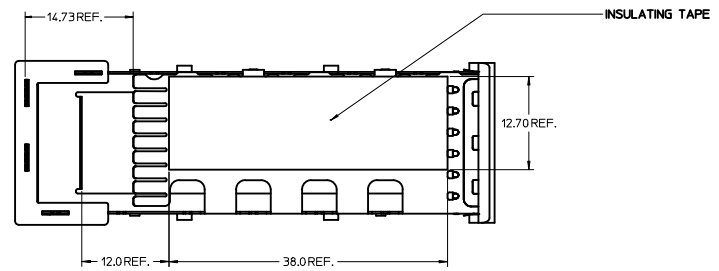
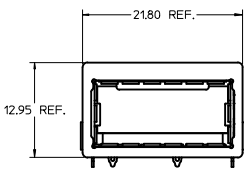
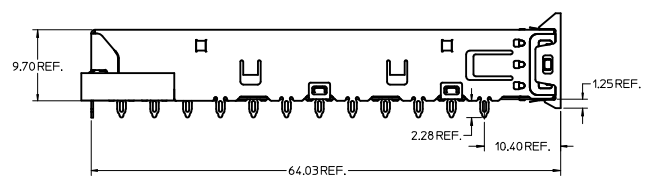
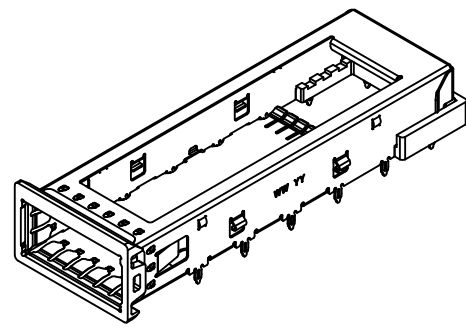
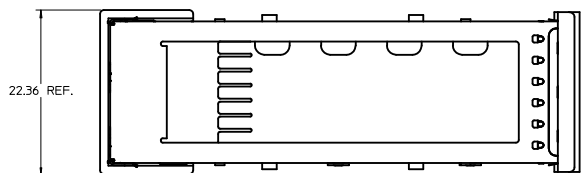
## Contact us

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





1. PRESS FIT LEGS 2.28mm [0.090"]
2. SINGLE SIDED BOARD THICKNESS  
 NOMINAL: 1.60 [0.062"]  
 MINIMUM: 1.44 [0.057"]  
 BELLY TO BELLY BOARD THICKNESS  
 NOMINAL: 2.30 [0.090"]  
 MINIMUM: 2.07 [0.081"]
3. REFERENCE DOCUMENTS:  
 PRODUCT SPECIFICATION: XFP MSA
4. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2009/95/EC).

<b>ADDED NOTE PG 2</b> EC NO: USY2011-0301 DRAWN: JERWIN 2010/03/10 CHECKED: CHRISCHY APPROVED: RAHMOOD 2010/11/23	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	▼=0 ▽=0	<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>±.0005</td> </tr> <tr> <td>3 PLACES</td> <td>±.008</td> <td>±.0008</td> </tr> <tr> <td>2 PLACES</td> <td>±.010</td> <td>±.0010</td> </tr> <tr> <td>1 PLACE</td> <td>±.025</td> <td>±.0025</td> </tr> </tbody> </table> ANGULAR ± 1°		mm	INCH	4 PLACES	±.005	±.0005	3 PLACES	±.008	±.0008	2 PLACES	±.010	±.0010	1 PLACE	±.025	±.0025	MM ONLY DRAWN BY: JERWIN DATE: 2008/09/10 CHECKED BY: CHRISCHY DATE: 2008/08/10 APPROVED BY: RAHMOOD DATE: 2010/11/23	3:1	METRIC	TITLE: XFP CAGE ASSEMBLY W/ INSULATING TAPE MOLEX INCORPORATED
		mm	INCH																		
	4 PLACES	±.005	±.0005																		
3 PLACES	±.008	±.0008																			
2 PLACES	±.010	±.0010																			
1 PLACE	±.025	±.0025																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 747360451 SIZE D	DOCUMENT NO. SD-74736-0451	SHEET NO. 1 OF 3																		



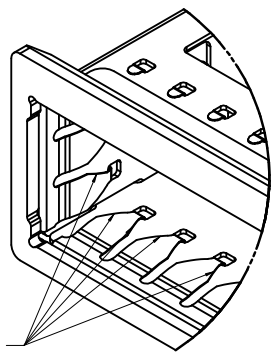
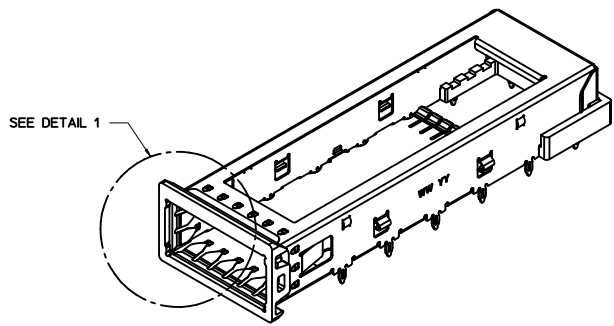
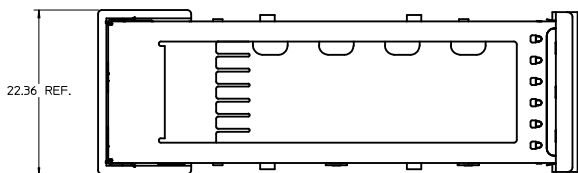
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2008/09/10	A	1. INITIAL RELEASE
2009/05/07	B	1. REMOVED ISO VIEW FROM PAGE 1
		2. ADDED NOTES TO PAGE 1
		3. REMOVED NOTE 2 FROM PAGE 2
		4. REMOVED NOTE 3 FROM PAGE 1 AND RENUMBERED REMAINING NOTES
2010/03/01	C	1. ADDED NOTE - THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED) PAGE 2.

REMOVED ISO VIEW IEC NO. USY2011-0301 DRAWN: JERWIN 2010/03/01 CHECKED: CHYK & CHRSCHY APPROVED: RMAHMOOD 2010/11/23	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm    INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1°	MM ONLY	1:1	METRIC	
	DRAWN BY: JERWIN CHECKED BY: CHRSCHY APPROVED BY: RMAHMOOD	DATE: 2008/09/10 DATE: 2008/08/10 DATE: 2010/11/23	TITLE: XFP CAGE ASSEMBLY W/ INSULATING TAPE			
	MATERIAL NO. 747360451	DOCUMENT NO. SD-74736-0451	Molex MOLEX INCORPORATED			

DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

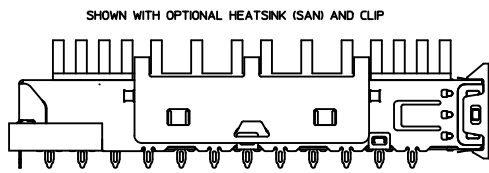
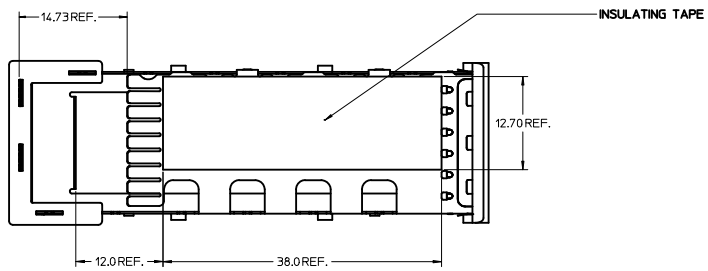
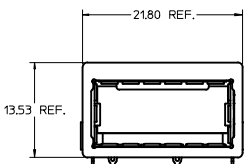
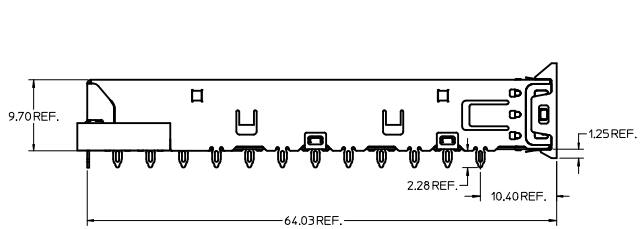
SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SHEET NO. 3 OF 3



CORNERS REMOVED FROM ALL SPRING FINGERS

DETAIL 1  
SCALE 8:1



1. PRESS FIT LEGS 2.28mm [0.090"]
2. SINGLE SIDED BOARD THICKNESS  
 NOMINAL: 1.60 [0.062"]  
 MINIMUM: 1.44 [0.057"]  
 BELLY TO BELLY BOARD THICKNESS  
 NOMINAL: 2.30 [0.090"]  
 MINIMUM: 2.07 [0.081"]
3. REFERENCE DOCUMENTS:  
 PRODUCT SPECIFICATION: XFP MSA
4. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2009/95/EC).

INITIAL RELEASE EC NO: USY2011-0313 DRAWN: JERWIN 2010/11/03 CHECKED: CHRISCHY 2010/11/03 APPROVED: RMAHMOOD 2010/11/09	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.005 ±.002 3 PLACES ±.005 ±.002 2 PLACES ±.010 ±.004 1 PLACE ±.025 ±.010 ANGULAR ± 1°	DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	DRAWN BY: JERWIN 2010/11/03 CHECKED BY: CHRISCHY 2010/11/03 APPROVED BY: RMAHMOOD 2010/11/09	MATERIAL NO. 747360452	TITLE XFP CAGE ASSEMBLY W/ INSULATING TAPE	DOCUMENT NO. SD-74736-0452	MOLEX INCORPORATED	SHEET NO. 1 OF 3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE D					

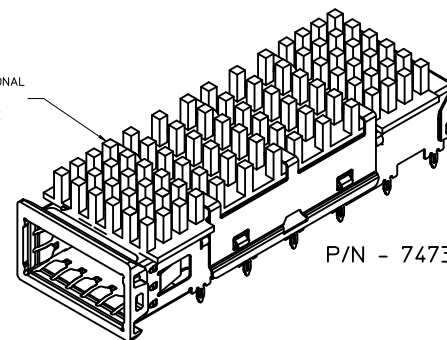
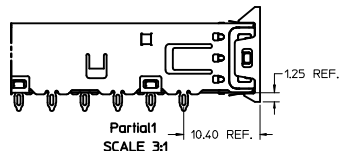
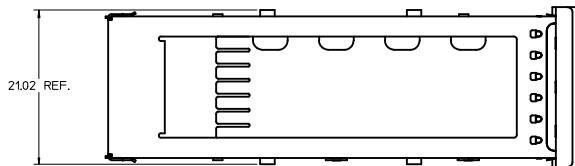


20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

DATE	REV	DESCRIPTION
2010/11/03	A	1. INITIAL RELEASE

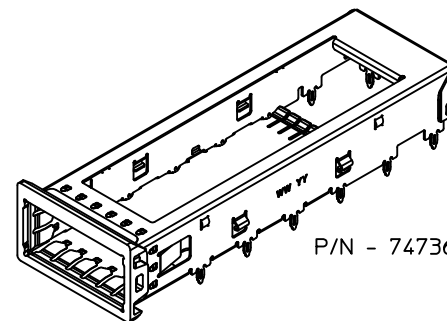
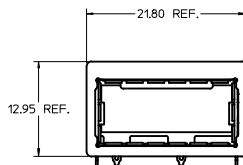
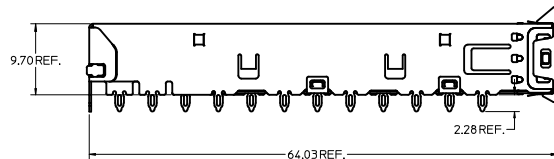
<b>INITIAL RELEASE</b> IEC NO. USY2011-0313 DRAWN BY: JERWIN 2010/11/03 CHECKED BY: CHIRSCHY 2010/11/03 APPROVED BY: RMAHMOOD 2010/11/09	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0002</td> </tr> <tr> <td>3 PLACES</td> <td>± .002</td> <td>± .0001</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.10</td> <td>± .004</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .010</td> </tr> </tbody> </table> ANGULAR ± 1°		mm	INCH	4 PLACES	± .005	± .0002	3 PLACES	± .002	± .0001	2 PLACES	± 0.10	± .004	1 PLACE	± 0.25	± .010	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION 
				mm	INCH																
4 PLACES	± .005	± .0002																			
3 PLACES	± .002	± .0001																			
2 PLACES	± 0.10	± .004																			
1 PLACE	± 0.25	± .010																			
DRAWN BY: JERWIN 2010/11/03 CHECKED BY: CHIRSCHY 2010/11/03 APPROVED BY: RMAHMOOD 2010/11/09	TITLE <b>XFP CAGE ASSEMBLY W/ INSULATING TAPE</b>	MATERIAL NO. <b>747360452</b>	DOCUMENT NO. <b>SD-74736-0452</b>	SHEET NO. <b>3 OF 3</b>																	

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

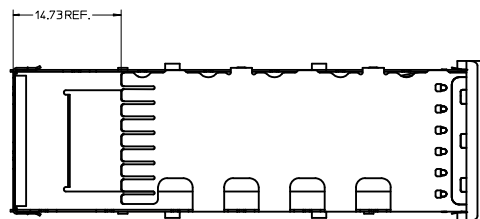


HEATSINK AND CLIP ARE OPTIONAL  
SEE CHART FOR HEATSINK OPTIONS  
CUSTOM HEATSINKS ARE AVAILABLE

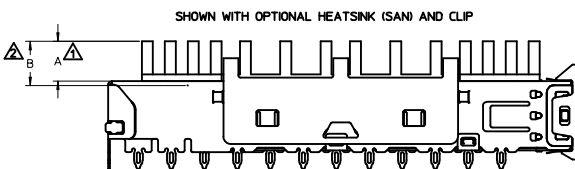
P/N - 747360212



P/N - 747360210



PART NUMBER FOR XFP CAGE ASSEMBLY & PARTS (W/OUT ELASTOMER EMI GASKET)					
P/N	DIM A	DIM B	DESCRIPTION	POWER LEVEL	THERMAL RESISTANCE @200 LFM
747360210	N/A	N/A	XFP CAGE WITH NO HEATSINK OR CLIP	N/A	N/A
747360211	4.0	4.2	XFP CAGE WITH PCI HEATSINK	UP TO 1.5W	<18.0 C/W
747360212	6.3	6.5	XFP CAGE WITH SAN HEATSINK (SHOWN)	UP TO 2.5W	<11.5 C/W
747360213	13.3	13.5	XFP CAGE WITH TALL HEATSINK	UP TO 3.5W	<8.0 C/W
747360230	N/A	N/A	HEATSINK CLIP ONLY	N/A	N/A
747360240	N/A	N/A	PCI HEATSINK ONLY	UP TO 1.5W	<18.0 C/W
747360241	N/A	N/A	SAN HEATSINK ONLY	UP TO 2.5W	<11.5 C/W
747360242	N/A	N/A	TALL HEATSINK ONLY	UP TO 3.5W	<8.0 C/W

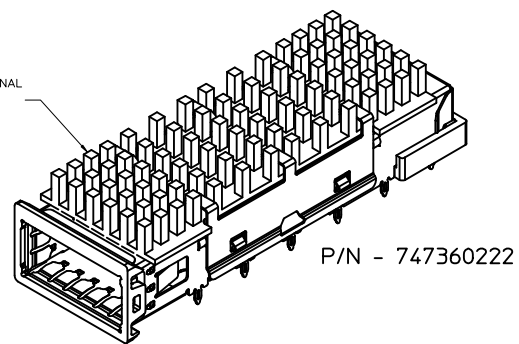
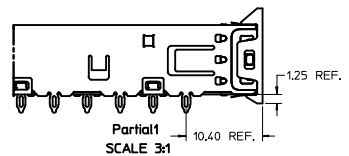
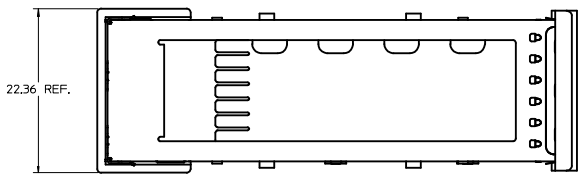


- ▲ MAXIMUM HEIGHT OF HEATSINK WITH MODULE INSERTED
- ▲ OVERALL HEIGHT OF HEATSINK
- 3. OTHER HEATSINK DESIGNS ARE AVAILABLE INCLUDING CUSTOM DESIGNS

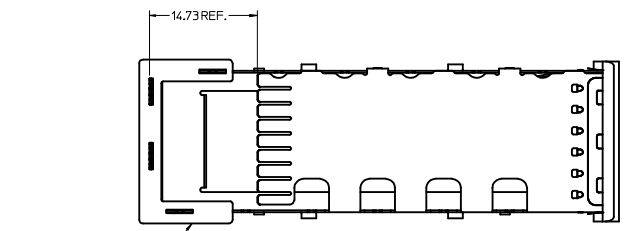
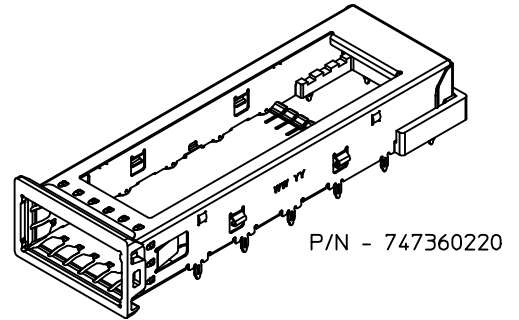
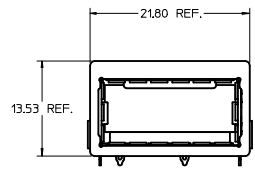
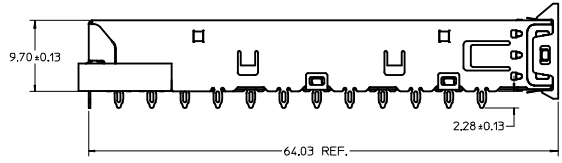
<b>ADDED NOTE PG 2</b> EC NO: USY2011-0301 DRAWN BY: ERWIN 2010/06/07 CHECKED BY: CHYKCHIRSHY 2010/10/13 APPROVED BY: RAHMOOD 2010/11/23	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.004</td> <td>±.0001</td> </tr> <tr> <td>3 PLACES</td> <td>±.005</td> <td>±.0002</td> </tr> <tr> <td>2 PLACES</td> <td>±.010</td> <td>±.0004</td> </tr> <tr> <td>1 PLACE</td> <td>±.025</td> <td>±.0010</td> </tr> </table> ANGULAR ± 1°		mm	INCH	4 PLACES	±.004	±.0001	3 PLACES	±.005	±.0002	2 PLACES	±.010	±.0004	1 PLACE	±.025	±.0010	DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																		
4 PLACES	±.004	±.0001																			
3 PLACES	±.005	±.0002																			
2 PLACES	±.010	±.0004																			
1 PLACE	±.025	±.0010																			
DRAWN BY: KLOYD 2004/12/02 CHECKED BY: BRUSSELL 2004/12/02 APPROVED BY: RAHMOOD 2010/11/23	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	DOCUMENT NO. SD-74736-210	TITLE XFP CAGE ASSEMBLY WITHOUT ELASTOMER EMI GASKET	MOLEX INCORPORATED															





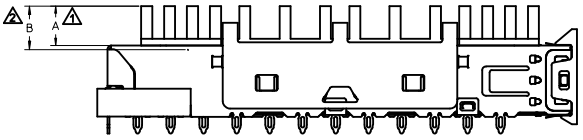


HEATSINK SINK AND CLIP ARE OPTIONAL  
SEE CHART FOR HEATSINK OPTIONS  
CUSTOM HEATSINKS ARE AVAILABLE



COMPLIANT EMI GASKET  
(DARK COLORED)

SHOWN WITH OPTIONAL HEATSINK (SAN) AND CLIP



- ▲ MAXIMUM HEIGHT OF HEATSINK WITH MODULE INSERTED
- ▲ OVERALL HEIGHT OF HEATSINK
- 3. OTHER HEATSINK DESIGNS ARE AVAILABLE INCLUDING CUSTOM DESIGNS

PART NUMBER FOR XFP CAGE ASSEMBLY & PARTS					
P/N	DIM A	DIM B	DESCRIPTION	POWER LEVEL	THERMAL RESISTANCE @200 LFM
747360220	N/A	N/A	XFP CAGE WITH NO HEATSINK OR CLIP	N/A	N/A
747360221	4.0	4.2	XFP CAGE WITH PCI HEATSINK	UP TO 1.5W	<18.0 C/W
747360222	6.3	6.5	XFP CAGE WITH SAN HEATSINK (SHOWN)	UP TO 2.5W	<11.5 C/W
747360223	13.3	13.5	XFP CAGE WITH TALL HEATSINK	UP TO 3.5W	<8.0 C/W
747360230	N/A	N/A	HEATSINK CLIP ONLY	N/A	N/A
747360240	N/A	N/A	PCI HEATSINK ONLY	UP TO 1.5W	<18.0 C/W
747360241	N/A	N/A	SAN HEATSINK ONLY	UP TO 2.5W	<11.5 C/W
747360242	N/A	N/A	TALL HEATSINK ONLY	UP TO 3.5W	<8.0 C/W

<b>SEE REVISION TABLE</b> IEC NO: CPG2016-1906 DRAWN BY: DRWNEWANG07 CHECKED BY: CHKOARCHEN08 APPROVED BY: APPRARCHEN08 DATE: 2015/11/05 DATE: 2015/11/05 DATE: 2015/11/05	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	DIMENSION STYLE MM ONLY DRAWN BY: DATE KLOYD 2004/05/14 CHECKED BY: DATE BRUSSELL 2004/08/05 APPROVED BY: DATE RMAHMOOD 2010/11/09	SCALE 3:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE XFP CAGE ASSEMBLY	
	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-74736-220	SHEET NO. 1 OF 3			
	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			



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

DATE	REV	DESCRIPTION
2015/11/05	G	SHEET 1: H15: CHANGED DIM 2.28 REF. TO DIM 2.28 +/-0.13. H19: CHANGED DIM 9.70 REF. TO DIM 9.70 +/-0.13.

<b>SEE REVISION TABLE</b> IEC NO: CPG2016-1906 G DRAWN: WANG07 2015/11/05 CHYKOR: CHEN08 2015/11/05 APPR: RCHEN08 2015/11/05	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± mm ± INCH 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	DRAWN BY KLLOYD	DATE 2004/05/14	TITLE XFP CAGE ASSEMBLY			
		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY BRUSSELL	DATE 2004/08/05	APPROVED BY RMAHMOOD			
		MATERIAL NO. <b>SEE SHEET 1</b>	DATE 2010/11/09	DOCUMENT NO. SD-74736-220	SHEET NO. 3 OF 3			

**molex**

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