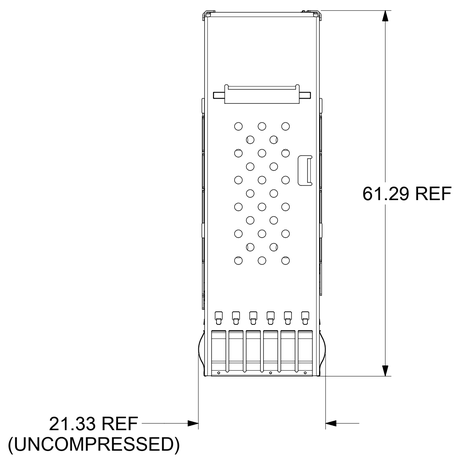
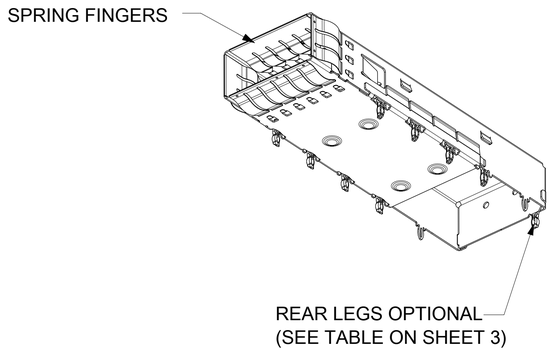
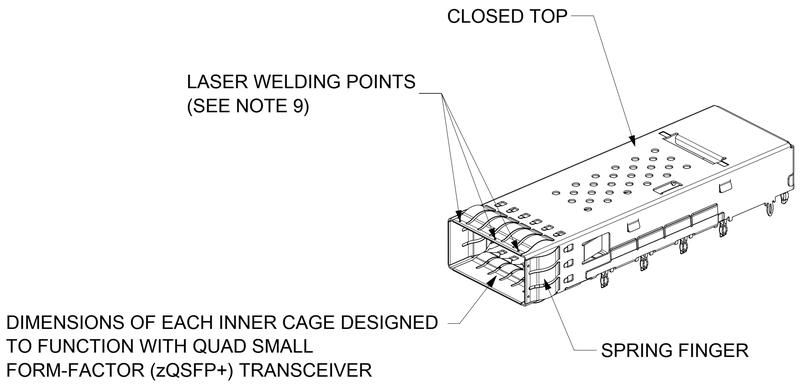
BASE CAGE DETAILS

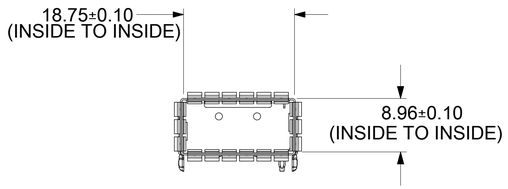
1000143242

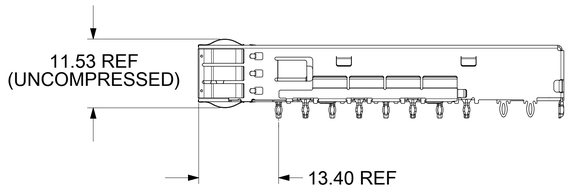
SHOWN

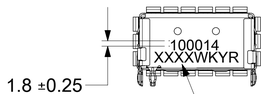












P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON
BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.
SEE TABLE BELOW FOR DATE CODE INFORMATION.

NOTES:

1. MATERIAL: CAGE: STAINLESS STEEL
   SPRING FINGERS: STAINLESS STEEL
   HEAT SINKS: NICKEL PLATED ALUMINUM
   HEAT SINK CLIP: STAINLESS STEEL
   LIGHT PIPES: POLYCARBONATE (UL 94-V-0)
2. DIMENSIONS MARKED (FA) ARE CRITICAL TO FUNCTION OF THE PART AND MUST BE INSPECTED
3. DRAWING APPLIES TO ALL P/N'S SHOWN ON PAGE 3
4. DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED USING APPROPRIATE GO - NO GO GAGE
5. DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS ARE CORRECT, USE SHEETS 3, 4 AND 5
6. PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC WI-HP-7-2774 (CLASS B UNLESS OTHERWISE SPECIFIED)
7. PRESS-FIT LEGS 2.44 [0.096] LONG -
   1.57 [0.062] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
   3.00 [0.118] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
8. NO RoHS EXEMPTIONS
9. WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION.

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/28 08:56:17

WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR
YR	22, 23, 24 ETC.. (EXAMPLE: YEAR 2022= 22)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: (FA)= 0, (FC)= 0, (FB)= 1

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm — SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.15
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 698842

DRWN:	TKUMARKC	2022/02/17
CHK'D:	TKUMARKC	2022/03/16
APPR:	JCHIANG	2022/03/28

INITIAL REVISION:

DRWN:	TKUMARKC	2022/02/17
APPR:	JCHIANG	2022/03/28

molex

ZQSFP+ 1X1 CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000143200	PSD	ASY	A

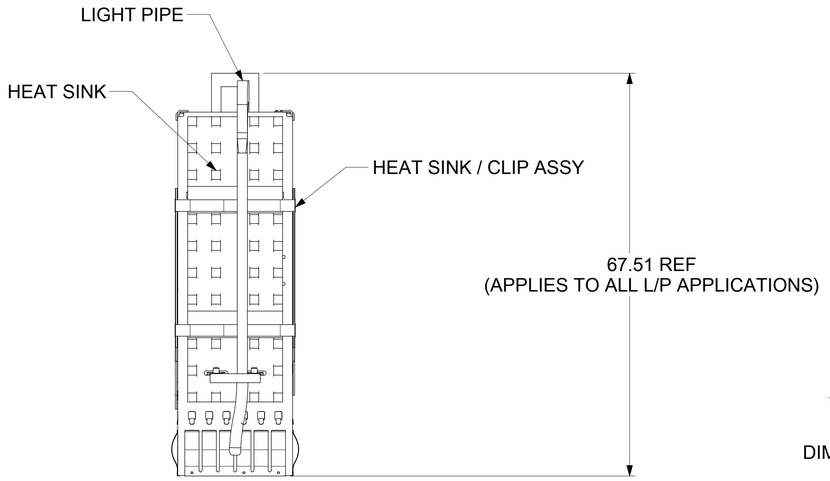
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100014		GENERAL MARKET	1 OF 7

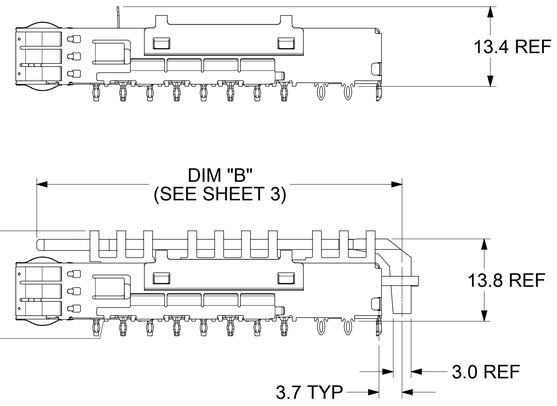
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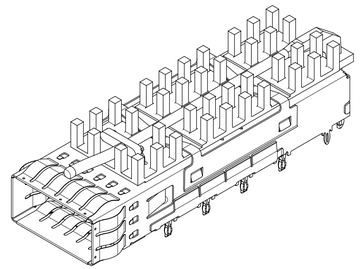
CAGE ASSEMBLY OPTIONS

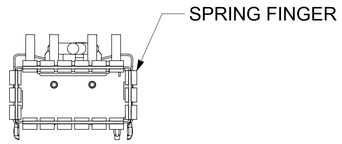
1000143541

SHOWN







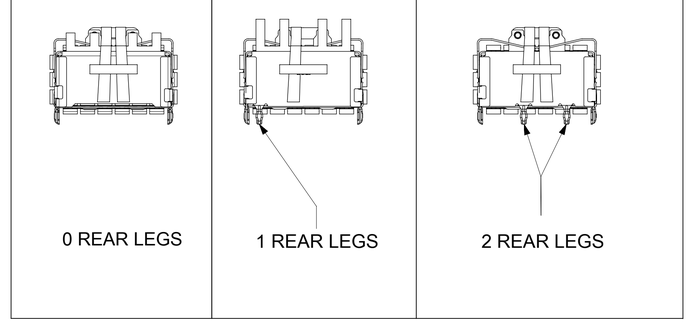


HEATSINK HEIGHT OPTIONS

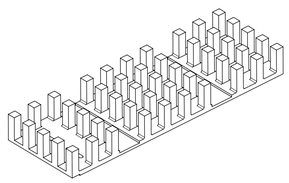
OVERALL HEAT SINK HEIGHT	DIM "A"
PCI	13.7 REF
SAN	16.0 REF
NET	23.0 REF

1 HEIGHT OF HEAT SINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEAT SINK VARIATIONS

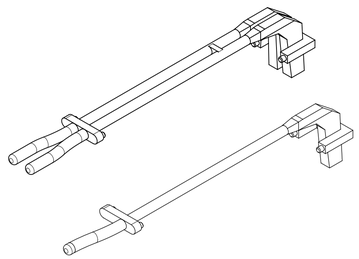
REAR LEG OPTIONS



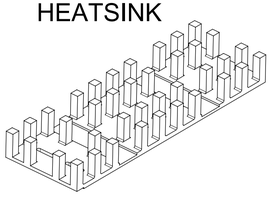
HEAT SINK USED WITHOUT LIGHTPIPE



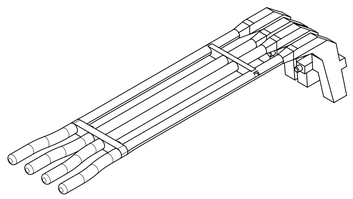
SINGLE / DUAL LIGHT PIPE



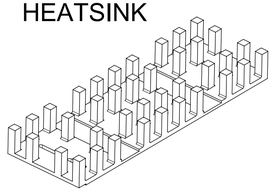
HEATSINK



QUAD LIGHT PIPE



HEATSINK



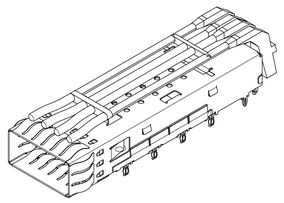
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
FA = 0	DIMENSION UNITS: mm	SCALE: 2:1	CURRENT REV DESC: SEE REVISION TABLE	molex	
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			ZQSFP+ 1X1 CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS	
FP = 0	ANGULAR TOL ± 2.0 °		EC NO: 698842		
DIVISIONAL SYMBOLS	4 PLACES ±		DRWN: TKUMARKC 2022/02/17	PRODUCT CUSTOMER DRAWING	
	3 PLACES ±		CHK'D: TKUMARKC 2022/03/16		
	2 PLACES ± 0.15		APPR: JCHIANG 2022/03/28		
	1 PLACE ± 0.25		INITIAL REVISION:	DOCUMENT NUMBER: 1000143200	DOC TYPE: PSD / DOC PART: ASY / REVISION: A
	0 PLACES ±		DRWN: TKUMARKC 2022/02/17		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: JCHIANG 2022/03/28		
	THIRD ANGLE PROJECTION	DRAWING: D-SIZE	SERIES: 100014	MATERIAL NUMBER	CUSTOMER: GENERAL MARKET / SHEET NUMBER: 2 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/28 08:56:17

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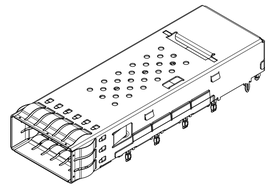
PART NUMBER SELECTION

NO HEATSINKS
WITH LIGHT PIPES
CLOSED TOP



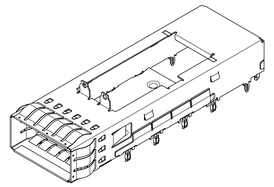
MOLEX P/N	LIGHT PIPES	#OF REAR LEGS PER PORT	DIM "B'
1000143235	QUAD	0	61.07 REF

NO HEATSINKS
NO LIGHT PIPES
CLOSED TOP



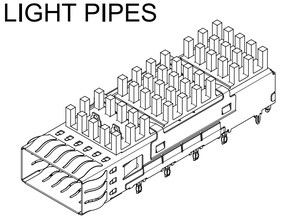
MOLEX P/N W/ SPRING FINGERS	#OF REAR LEGS PER PORT
1000143240	0
1000143242	1

NO HEATSINKS
NO LIGHT PIPES
OPEN TOP



MOLEX P/N W/ SPRING FINGERS	#OF REAR LEGS PER PORT	LP TAB FEATURE
1000143250	0	YES
1000143252	1	YES

WITH HEATSINKS
NO LIGHT PIPES

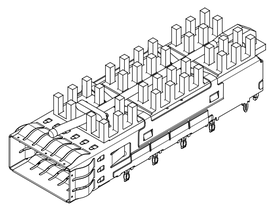


MOLEX P/N	HEATSINKS	#OF REAR LEGS PER PORT
1000143340	PCI	0
1000143341	SAN	0
1000143342	NET	0
1000143343	PCI	1
1000143344	SAN	1
1000143345	NET	1
1000143346	PCI	2

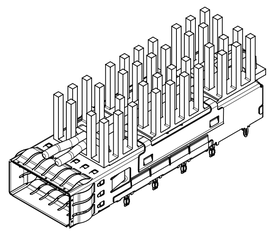
WITH HEATSINKS AND LIGHT PIPES

MOLEX P/N	LIGHTPIPES	HEATSINKS	#OF REAR LEGS PER PORT	DIM "B"
1000143442	SINGLE	NET	0	61.07 REF
1000143443	DUAL	PCI	0	61.07 REF
1000143445	DUAL	NET	0	61.07 REF
1000143447	QUAD	SAN	0	61.07 REF
1000149448	QUAD	NET	0	61.07 REF
1000143541	SINGLE	SAN	1	61.07 REF
1000143542	SINGLE	NET	1	61.07 REF
1000149547	QUAD	SAN	1	61.07 REF
1000143548	QUAD	NET	1	61.07 REF
1000143646	QUAD	PCI	2	61.07 REF

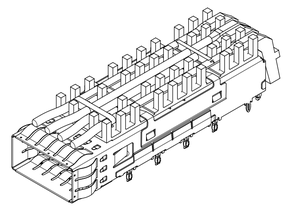
SINGLE LIGHT PIPE



DUAL LIGHT PIPE



QUAD LIGHT PIPE



DOCUMENT STATUS	P1	RELEASE DATE	2022/03/28 08:56:17

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.15
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 698842
DRWN: TKUMARKC 2022/02/17
CHK'D: TKUMARKC 2022/03/16
APPR: JCHIANG 2022/03/28

INITIAL REVISION:
DRWN: TKUMARKC 2022/02/17
APPR: JCHIANG 2022/03/28

molex

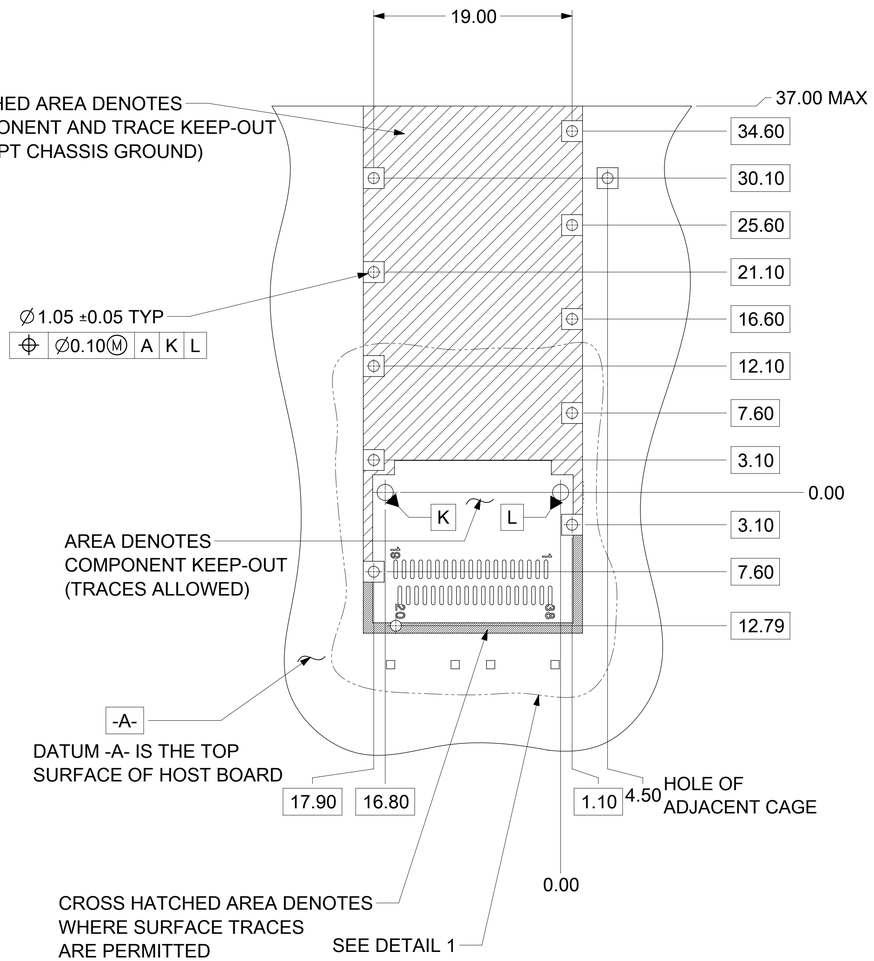
ZQSFP+ 1X1 CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS

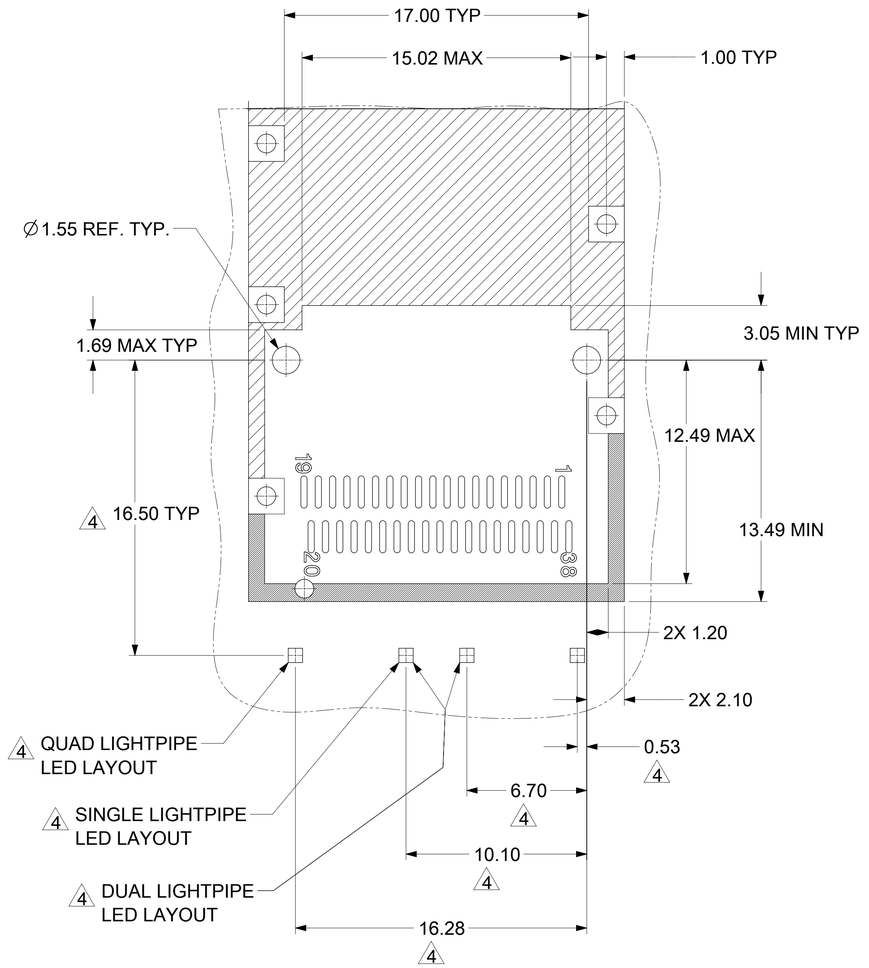
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000143200	PSD	ASY	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100014		GENERAL MARKET	3 OF 7

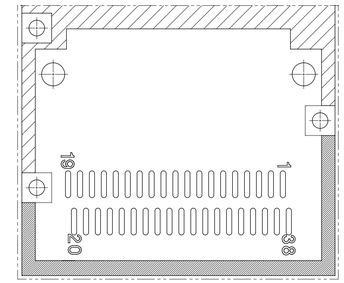
PCB LAYOUT FOR SINGLE SIDED MOUNTING





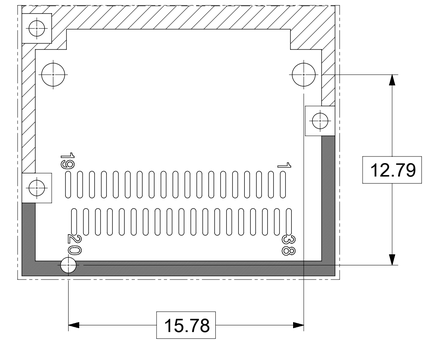
DETAIL 1
SCALE 6:1

NO REAR LEGS



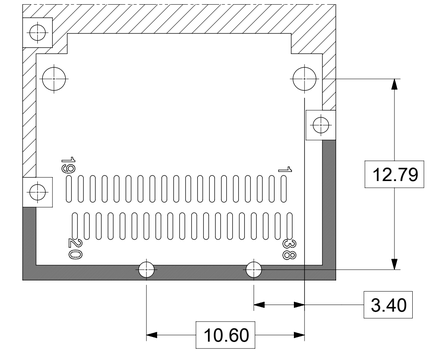
PARTIAL 1
SCALE 5:1

1 REAR LEG



PARTIAL 2
SCALE 5:1

2 REAR LEGS



PARTIAL 3
SCALE5:1

NOTES:
1. PADS AND VIAS GO 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 SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.
4. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/28 08:56:17

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	3.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.15
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 698842
DRWN: TKUMARKC 2022/02/17
CHK'D: TKUMARKC 2022/03/16
APPR: JCHIANG 2022/03/28

INITIAL REVISION:
DRWN: TKUMARKC 2022/02/17
APPR: JCHIANG 2022/03/28

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 100014

molex

ZQSFP+ 1X1 CAGE ASSY'S W/ SUS TAB TYPE
SPRING FINGER, H/S & L/P OPTIONS

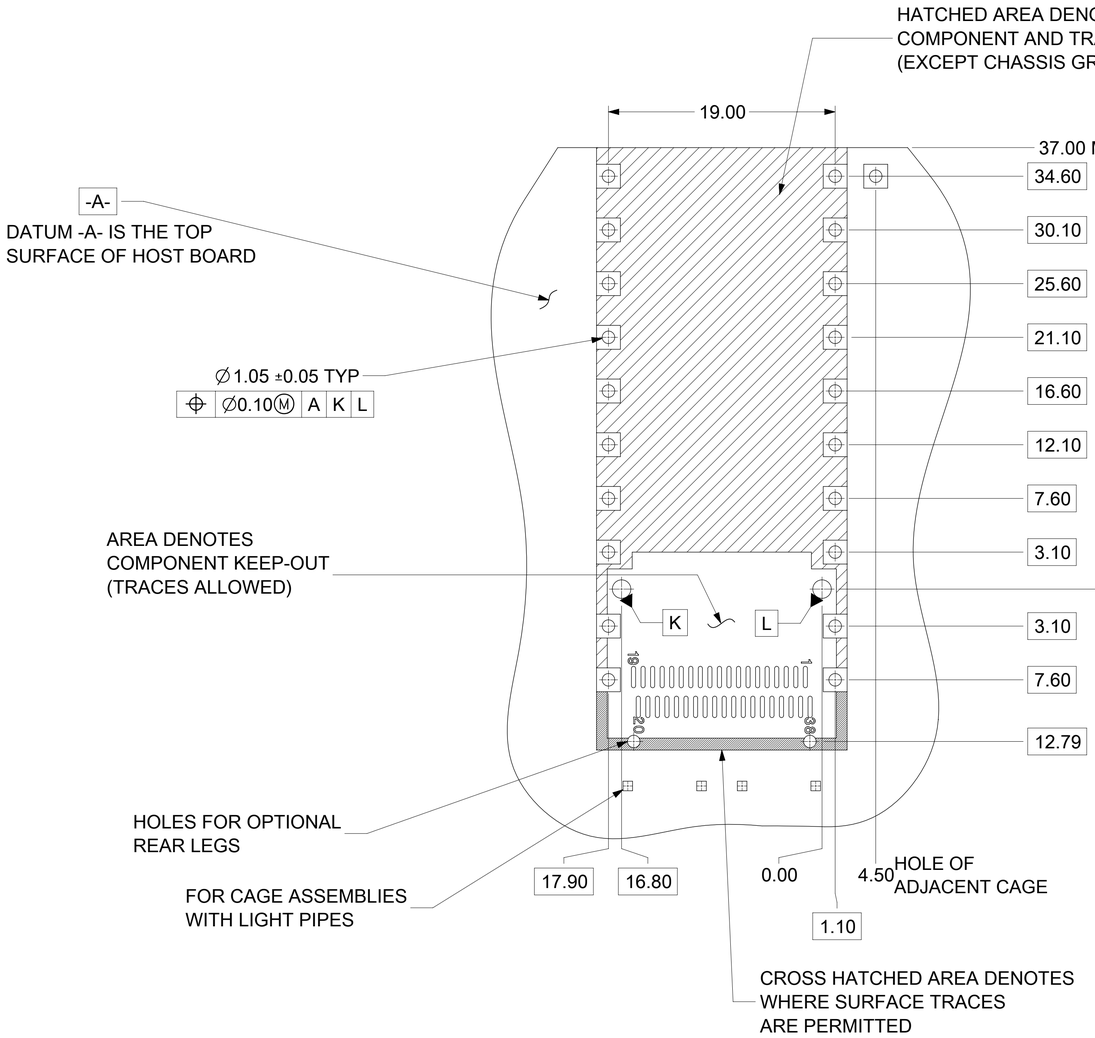
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000143200	PSD	ASY	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 7

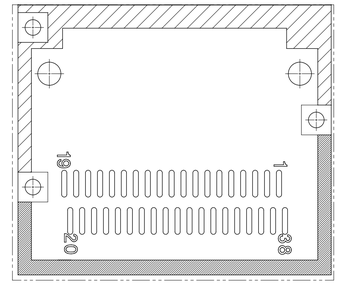
Downloaded from Arrow.com.

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



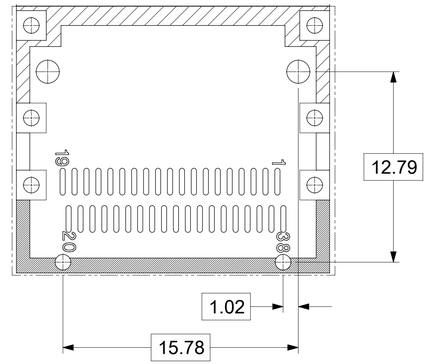
NOTE:
SEE SHEET 4 FOR
HOST CONNECTOR DETAIL
AND LED LOCATION DETAILS

NO REAR LEGS



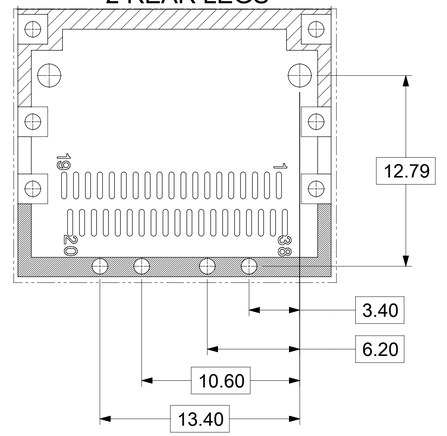
PARTIAL 1
SCALE 5:1

1 REAR LEG



PARTIAL 5
SCALE 5:1

2 REAR LEGS



PARTIAL 6
SCALE 5:1

NOTES:
1. PADS AND VIAS GO 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 SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/28 08:56:17

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
EA = 0	DIMENSION UNITS: mm	SCALE: 4:1	CURRENT REV DESC: SEE REVISION TABLE
EC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
EP = 0	ANGULAR TOL ± 2.0 °		EC NO: 698842
DIVISIONAL SYMBOLS	4 PLACES ±		DRWN: TKUMARKC 2022/02/17
	3 PLACES ±		CHK'D: TKUMARKC 2022/03/16
	2 PLACES ± 0.15		APPR: JCHIANG 2022/03/28
	1 PLACE ± 0.25		INITIAL REVISION:
	0 PLACES ±		DRWN: TKUMARKC 2022/02/17
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: JCHIANG 2022/03/28

molex

ZQSFP+ 1X1 CAGE ASSY'S W/ SUS TAB TYPE
SPRING FINGER, H/S & L/P OPTIONS

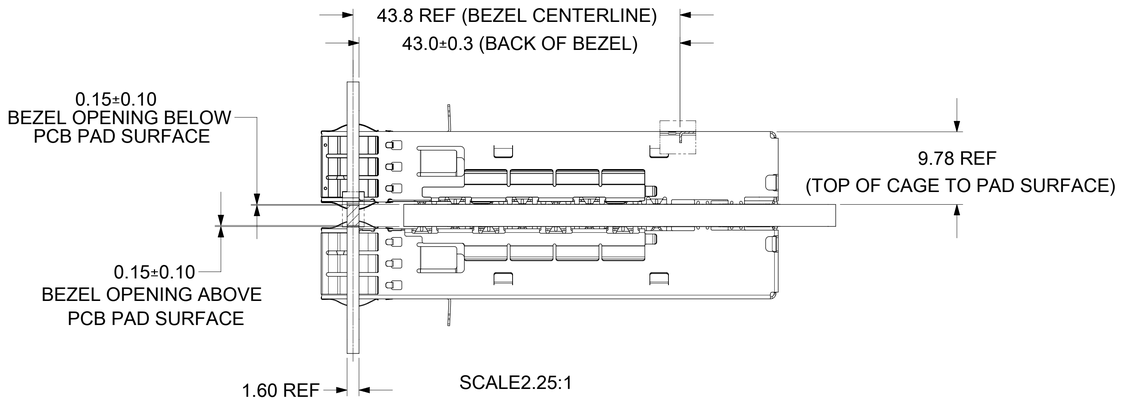
PRODUCT CUSTOMER DRAWING

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100014		GENERAL MARKET	5 OF 7

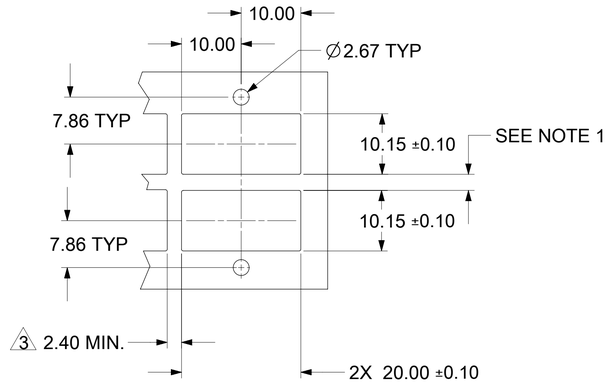
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000143200	PSD	ASY	A

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BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING

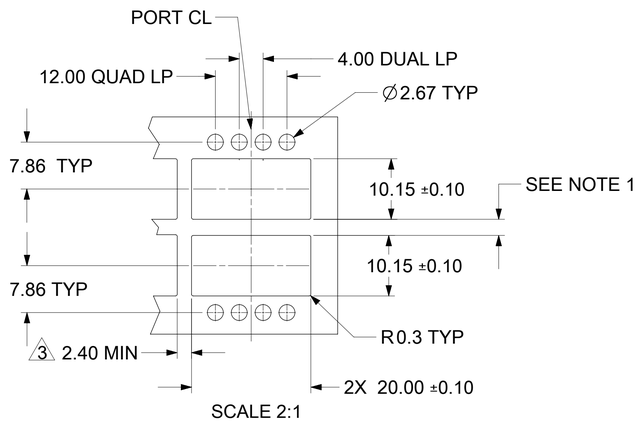


SINGLE LIGHT PIPE △2



SCALE 2:1

DUAL/QUAD LIGHT PIPE △2

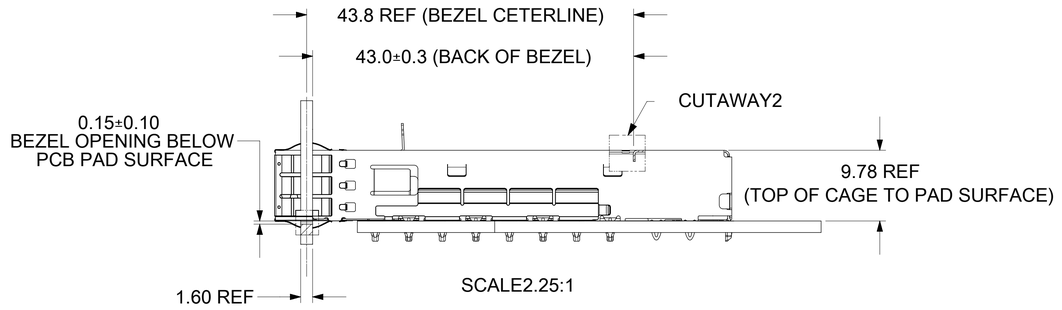


SCALE 2:1

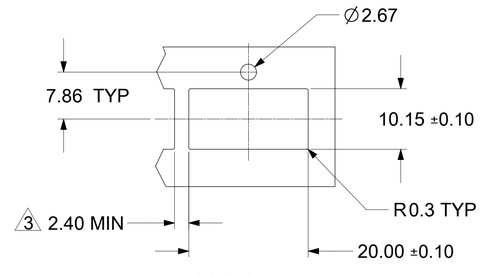
NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.
△2 NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.
△3 THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY UT DEPENDS ON APPLICATION. (THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF ADJACENT CAGE" ON PCB LAYOUT.)

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/28 08:56:17

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING

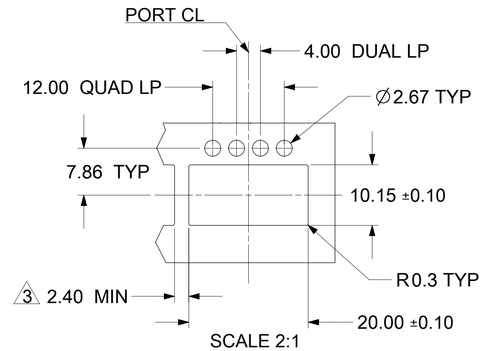


SINGLE LIGHT PIPE △2



SCALE 2:1

DUAL/QUAD LIGHT PIPE △2



SCALE 2:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE
FA = 0	mm	2.5:1
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
FF = 0	ANGULAR TOL ± 2.0 °	
DIVISIONAL SYMBOLS	4 PLACES ±	
	3 PLACES ±	
	2 PLACES ± 0.15	
	1 PLACE ± 0.25	
	0 PLACES ±	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 698842
DRWN: TKUMARKC 2022/02/17
CHK'D: TKUMARKC 2022/03/16
APPR: JCHIANG 2022/03/28

INITIAL REVISION:
DRWN: TKUMARKC 2022/02/17
APPR: JCHIANG 2022/03/28

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 100014

molex

ZQSFP+ 1X1 CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000143200	PSD	ASY	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	6 OF 7

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REV	DATE	DESCRIPTION
A	2022/02/17	INITIAL RELEASE

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/28 08:56:17

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.15
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

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molex

ZQSFP+ 1X1 CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000143200	PSD	ASY	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100014		GENERAL MARKET	7 OF 7

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