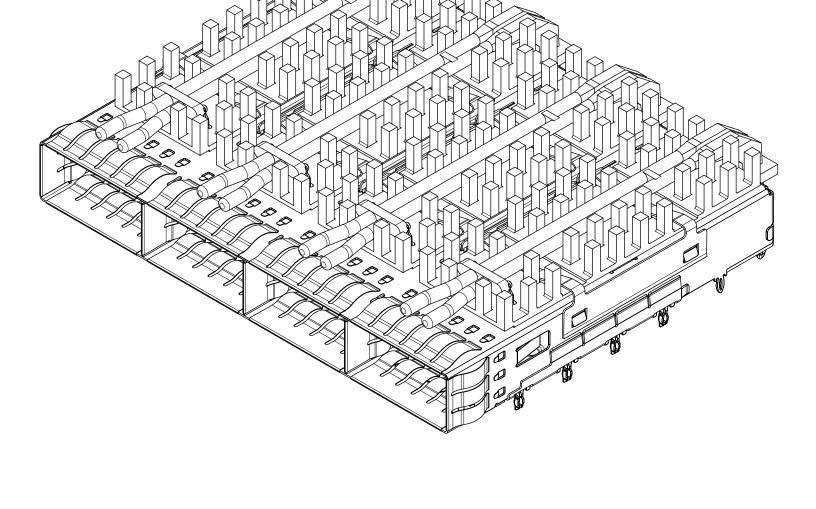


RELEASE DATE | 2020/08/25



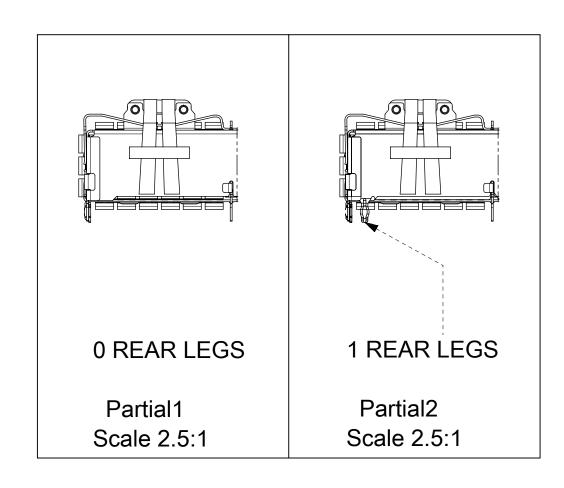
HEATSINK HEIGHT OPTIONS

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

HEIGHT OF HEAT SINK WITH MODULE INSERTED.

DIMENSION MAY BE LESS DUE TO MODULE AND HEAT SINK VARIATIONS

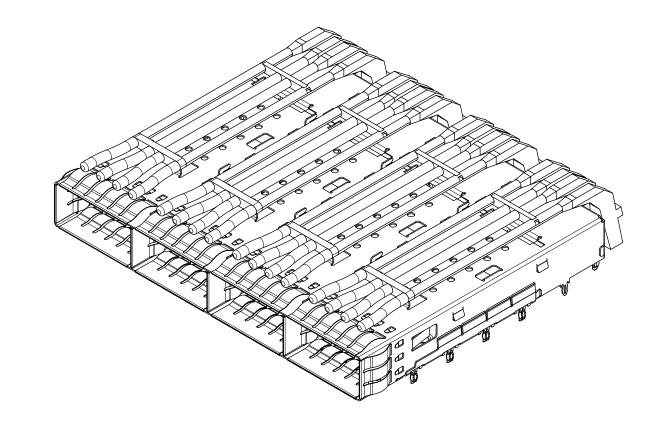
REAR LEG OPTIONS



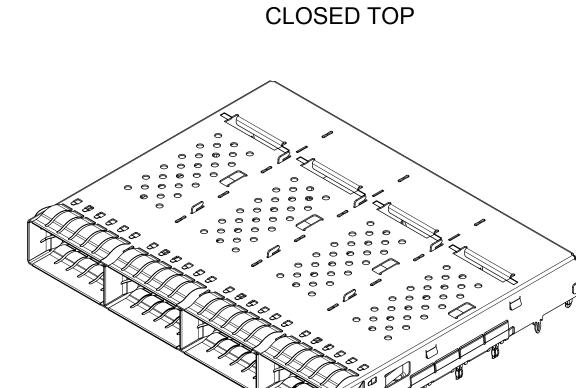
THIS DRAWING	CONTAINS I	NFORMATION :	THAT IS PRO	PRIETARY TO MOLEX	(FLECTRONIC TE	CHNOLOGIES	LLC AND SH	OUI D NOT BE	USED WIT	THOLIT WR	ITTEN PEI	RMISSION
DIMENSION UNIT				C: REACTIVATED F								***************************************
mm	2:1							no	le	X		
GENERAL TO	OLERANCE: SPECIFIED)											
ANGULAR TOL	Ź		040404				•	P+ 1X4 G				
4 PLACES	±	EC NO: DRWN:	643481 AKUMAR1	9	2020/08/17	ASSY'S	(SPRING	FINGER)	WITH	H/S & L	./P OPT	TONS
3 PLACES	±	CHK'D:	GB		2020/08/25		DDODI	LOT OLIOT		DD AVA		•
2 PLACES	± 0.13	APPR:	GB		2020/08/25			JCT CUST	OMER			
1 PLACE	± 0.25	INITIAL	REVISIO	N:		DOCUMENT N	IUMBER			DOC TYPE	DOC PART	REVISION
I PLACE	± 0.25	DRWN:	KNAGANI	IA	2015/06/03	,	100017	71200		PSD	SD	ı
0 PLACES	±	APPR:	RCHEN08		2016/01/11			1 1200		F 3D	30	L
DRAFT WHER	E APPLICABLE	THIRD ANG	LE PROJECTIO	DN DRAWING	SERIES	MATERIAL NU	MBER	CUSTOMER		•	SHEET I	NUMBER
MUST F WITHIN DII	REMAIN MENSIONS			D-SIZE	100017	SEE 1	ΓABLE	GENER	AL MA	RKET	2 ()F 9
7		C		E		4		2	I	2		4

PART NUMBER SELECTION

NO HEATSINKS WITH LIGHT PIPES CLOSED TOP



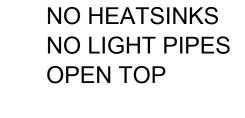
MOLEY D/N	LIGHT PIPES	#OF REAR LEGS
WOLLX I /N		PER PORT
1000171231	SINGLE	0
1000171232	SINGLE	1
1000171233	DUAL	0
1000171234	DUAL	1
1000171235	QUAD	0
1000171236	QUAD	1

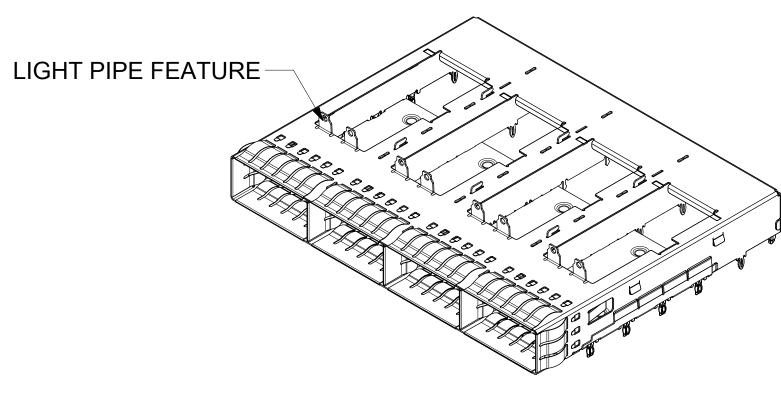


NO HEATSINKS

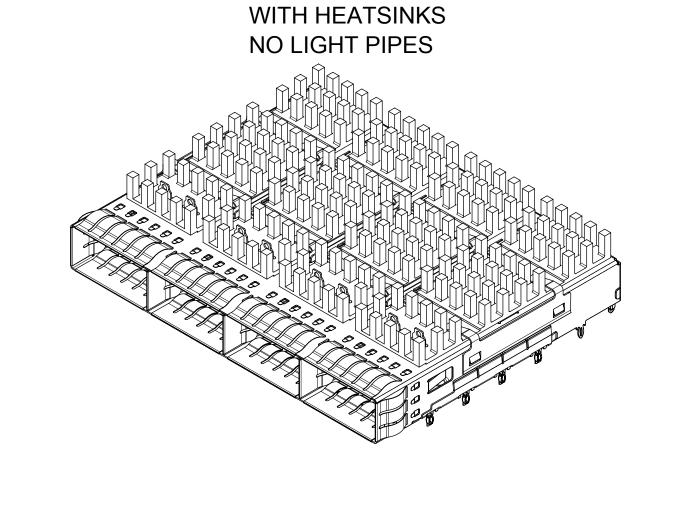
NO LIGHT PIPES

MOLEX P/N	#OF REAR LEGS
W/ SPRING FINGERS	PER PORT
1000171242	1





		_
MOLEX P/N	#OF REAR LEGS	LIGHT PIPE
W/ SPRING FINGERS	PER PORT	FEATURE
1000171250	0	YES
1000171252	1	YES
1000171255	1	NO

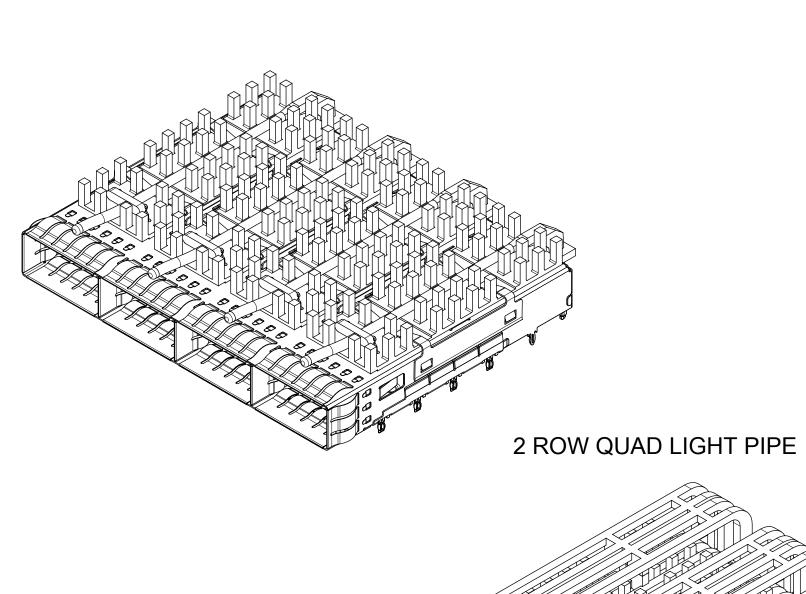


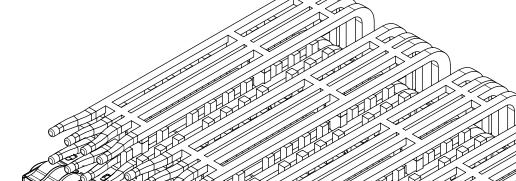
MOLEX P/N	HEATSINKS	#OF REAR LEGS
		PER PORT
1000171340	PCI	0
1000171341	SAN	0
1000171342	NET	0
1000171343	PCI	1
1000171344	SAN	1
1000171345	NET	1

WITH HEATSINKS AND LIGHT PIPES

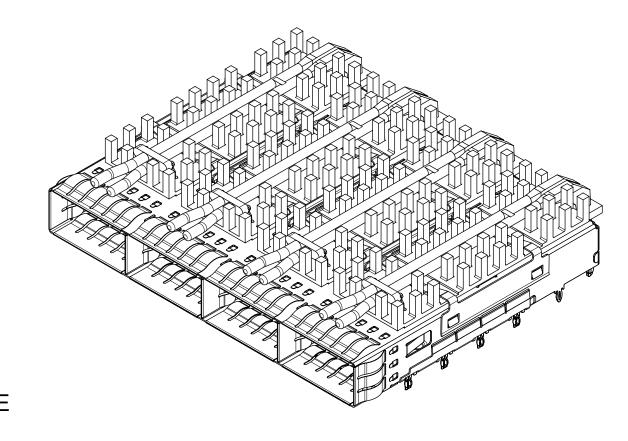
MOLEX P/N	LIGHTPIPES	HEATSINKS	#OF REAR LEGS PER PORT
1000171440	SINGLE	PCI	0
1000171441	SINGLE	SAN	0
1000171442	SINGLE	NET	0
1000171443	DUAL	PCI	0
1000171444	DUAL	SAN	0
1000171445	DUAL	NET	0
1000171446	QUAD	PCI	0
1000171447	QUAD	SAN	0
1000171540	SINGLE	PCI	1
1000171541	SINGLE	SAN	1
1000171542	SINGLE	NET	1
1000171544	DUAL	SAN	1
1000171545	DUAL	NET	1
1000171546	QUAD	PCI	1
1000171547	QUAD	SAN	1
1000171548	QUAD	NET	1
1000171648	2 ROW QUAD	NET	1
1000171649	2 ROW QUAD	CUSTOM (A=19.0 REF)	1







DUAL LIGHT PIPE





GENERAL TOLERANCES (UNLESS SPECIFIED)

EC NO: 643481

DRWN: AKUMAR19

INITIAL REVISION:

DRWN: KNAGANNA

THIRD ANGLE PROJECTION

APPR: RCHEN08

ANGULAR TOL ± 1.0 °

DRAFT WHERE APPLICABLE

4 PLACES

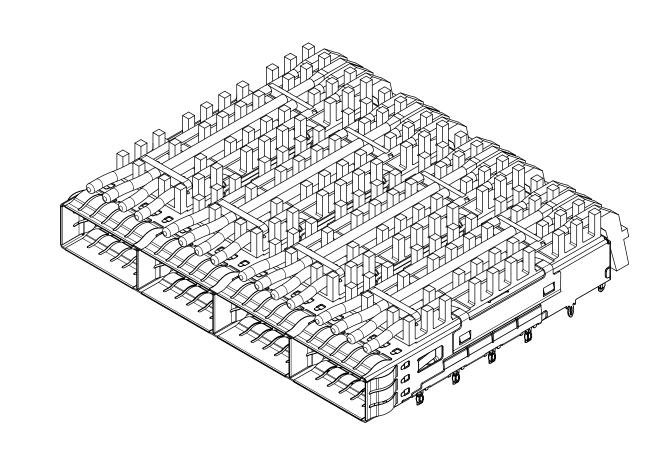
3 PLACES

2 PLACES

1 PLACE

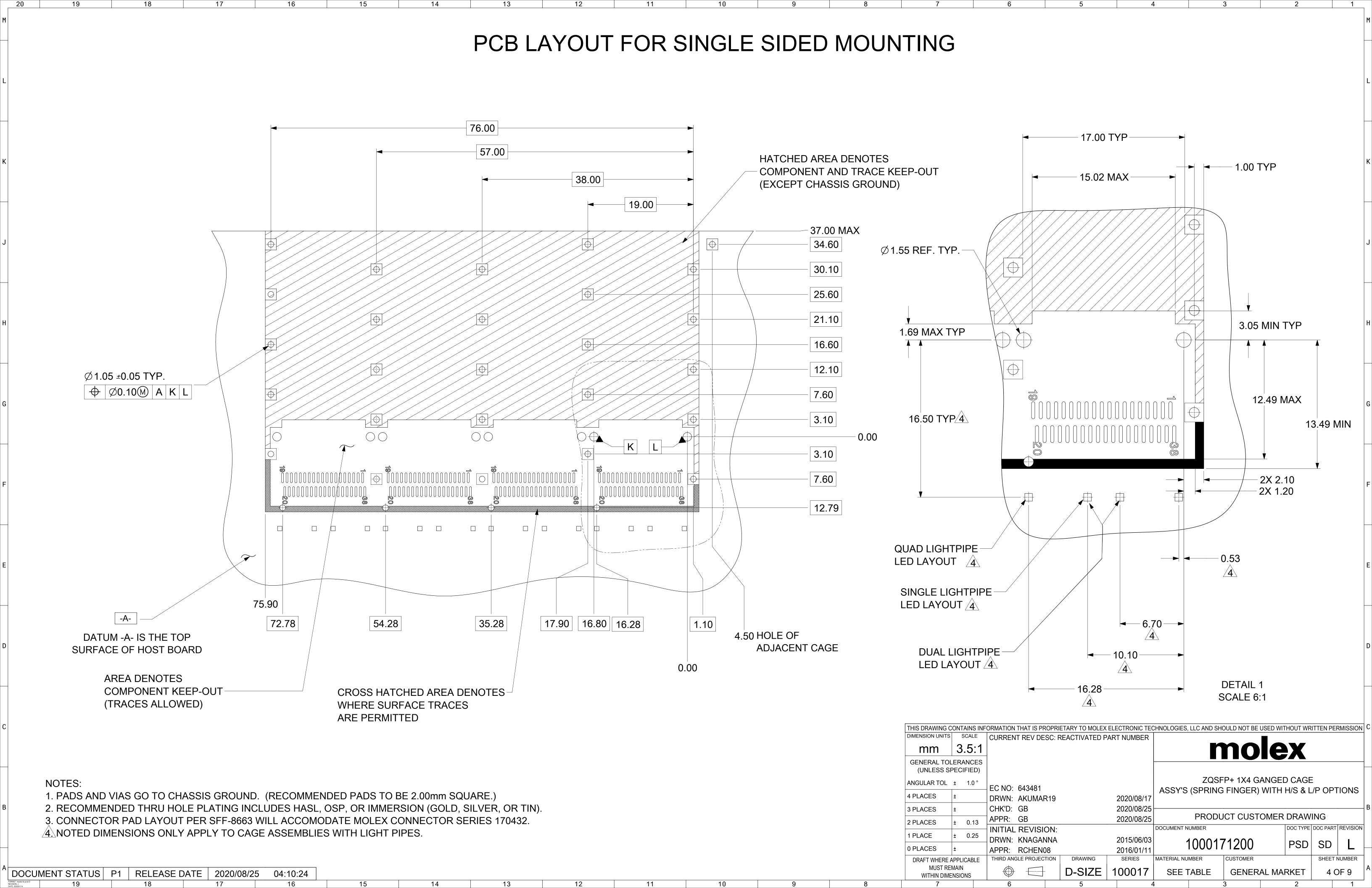
0 PLACES

QUAD LIGHT PIPE

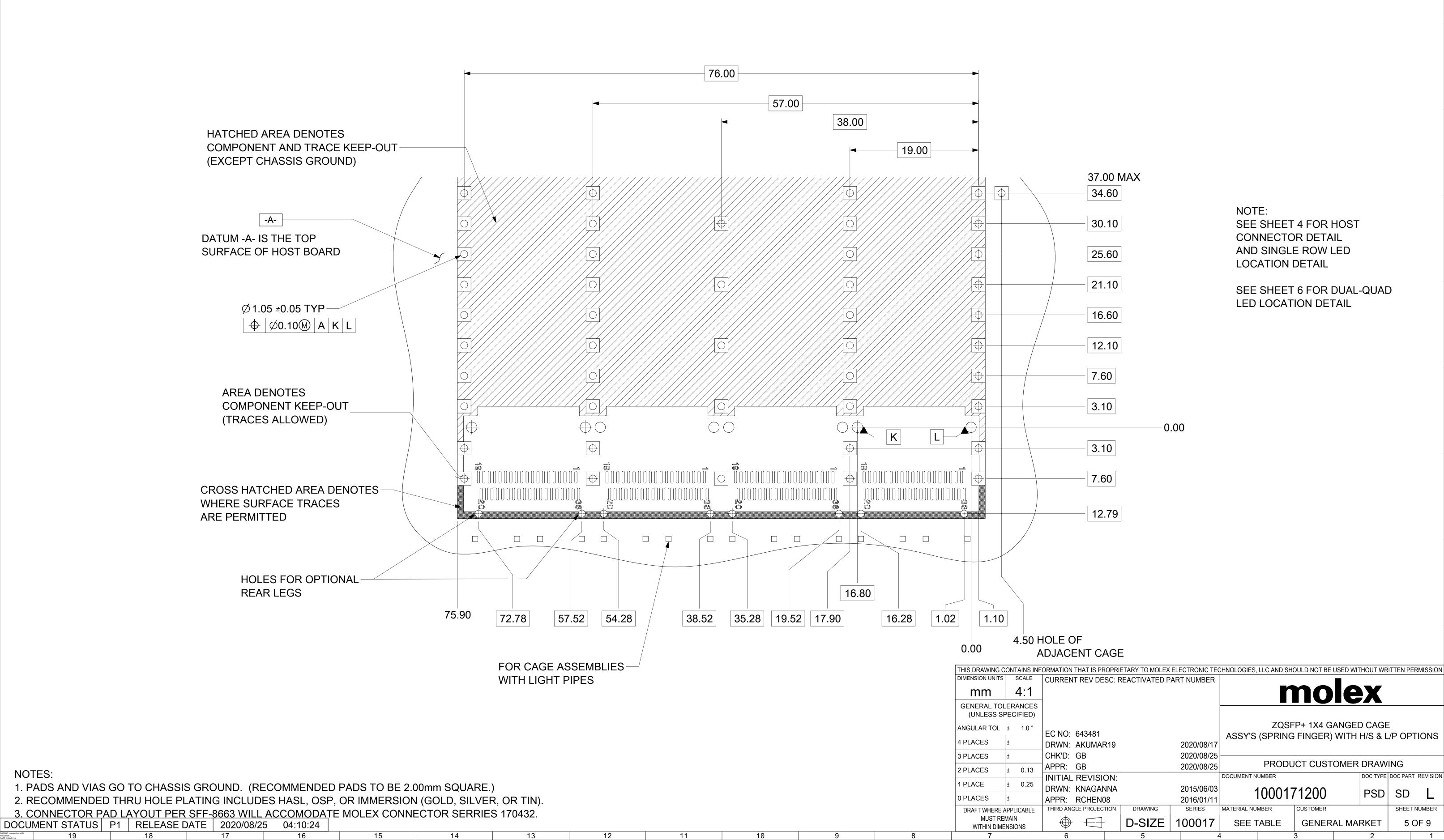


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION molex ZQSFP+ 1X4 GANGED CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS PRODUCT CUSTOMER DRAWING 2020/08/25 DOC TYPE DOC PART REVISION 2015/06/03 2016/01/11

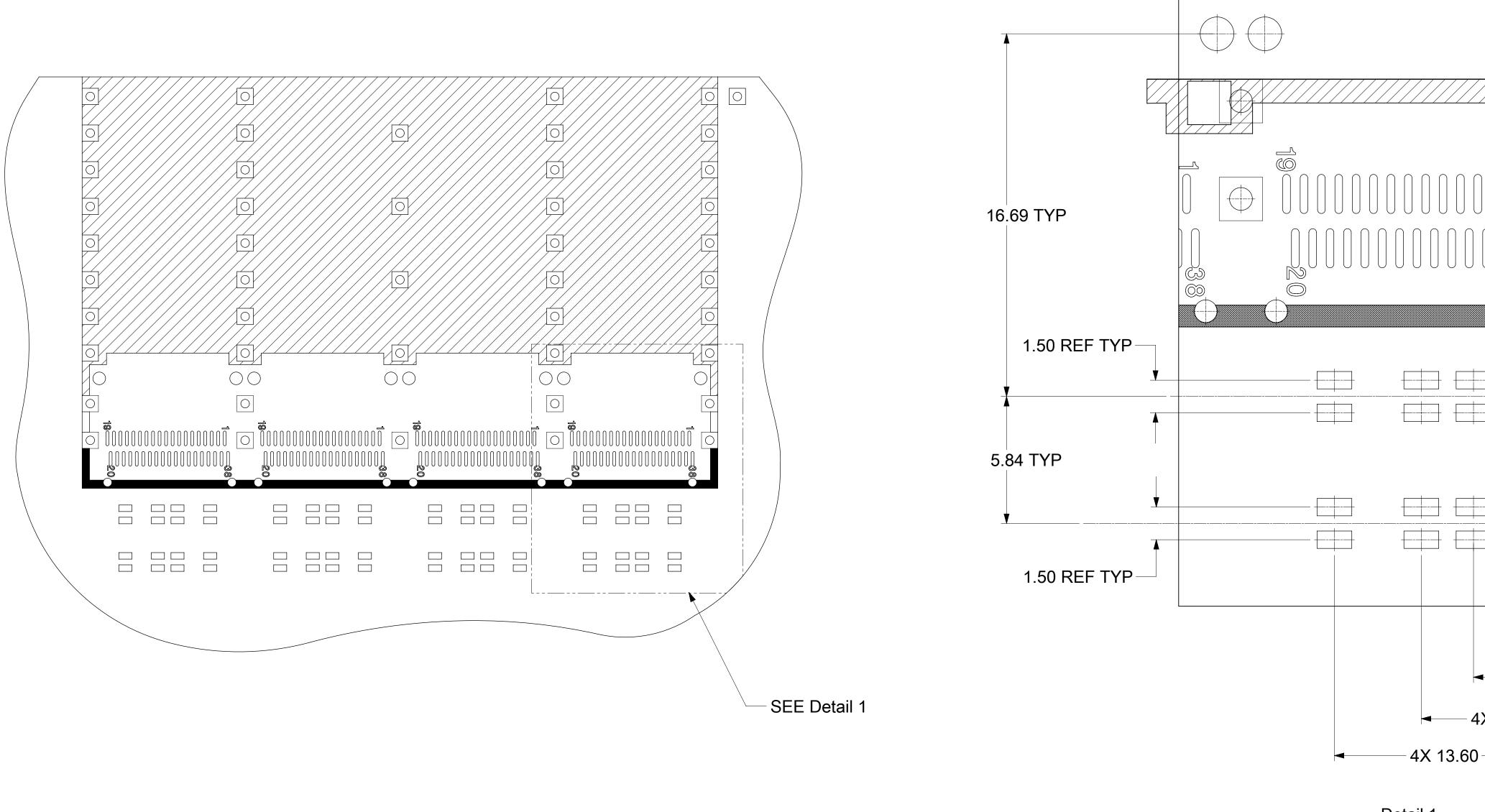
GENERAL MARKET

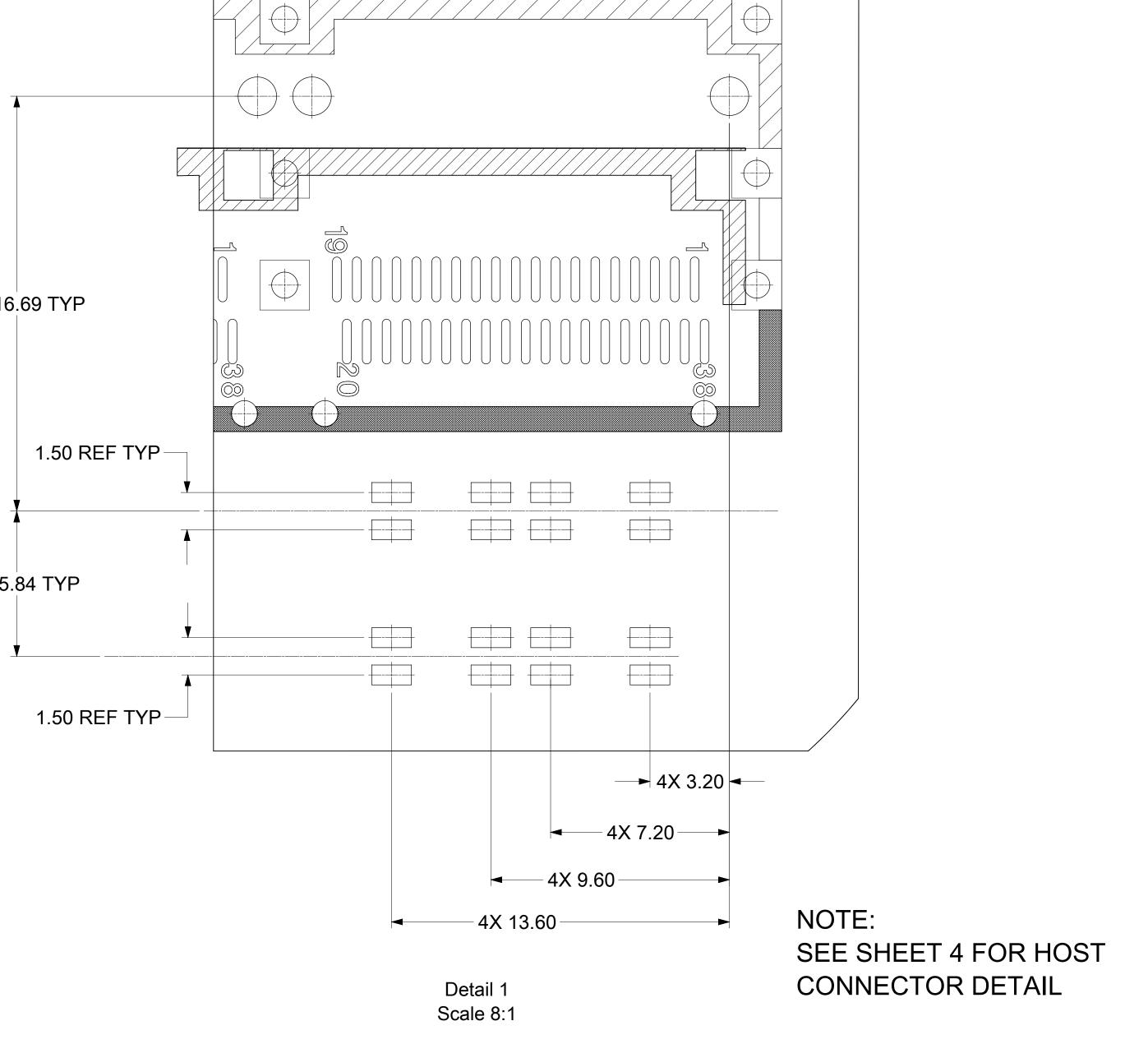


PCB LAYOUT FOR BELLY TO BELLY MOUNTING



LED PLACEMENT FOR 2 ROW QUAD LIGHT PIPE

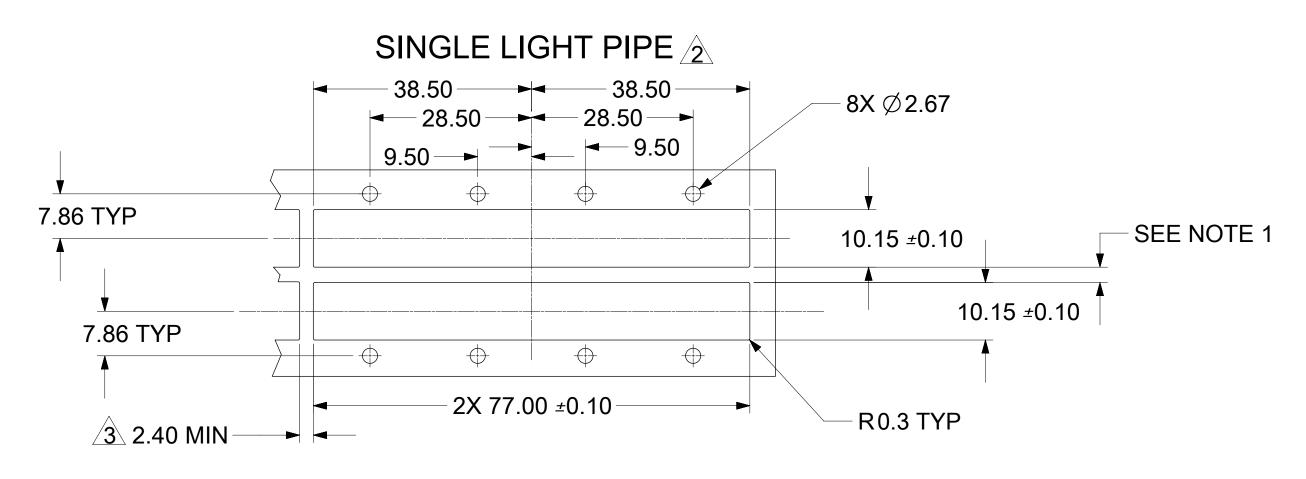




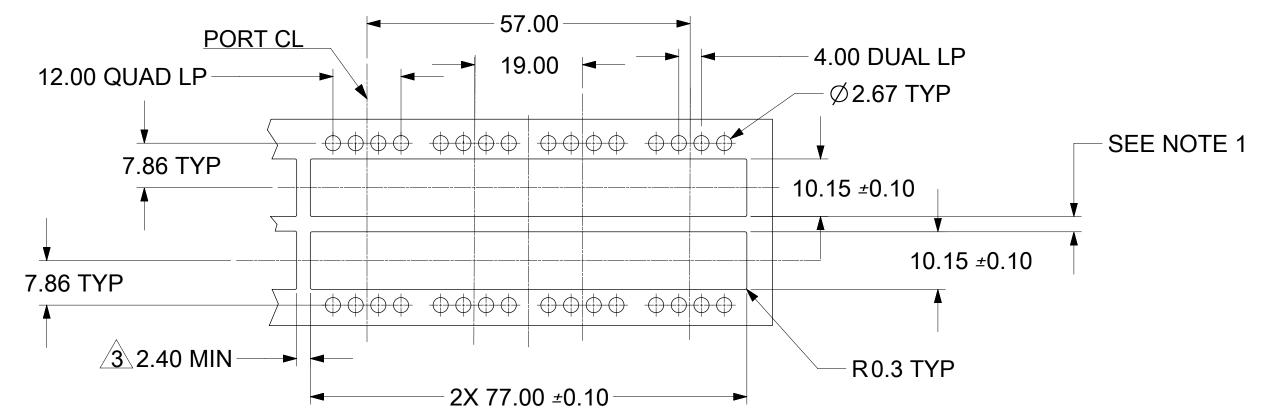
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION (DIMENSION UNITS | SCALE | CURRENT REV DESC: REACTIVATED PART NUMBER molex mm **GENERAL TOLERANCES** (UNLESS SPECIFIED) ZQSFP+ 1X4 GANGED CAGE ANGULAR TOL ± 1.0° EC NO: 643481 ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS 4 PLACES DRWN: AKUMAR19 2020/08/17 2020/08/25 CHK'D: GB 3 PLACES PRODUCT CUSTOMER DRAWING 2020/08/25 2 PLACES INITIAL REVISION: DOC TYPE DOC PART REVISION DRWN: KNAGANNA 1 PLACE 2015/06/03 1000171200 PSD SD L APPR: RCHEN08 0 PLACES 2016/01/11 THIRD ANGLE PROJECTION DRAFT WHERE APPLICABLE 100017 **GENERAL MARKET** SEE TABLE 6 OF 9

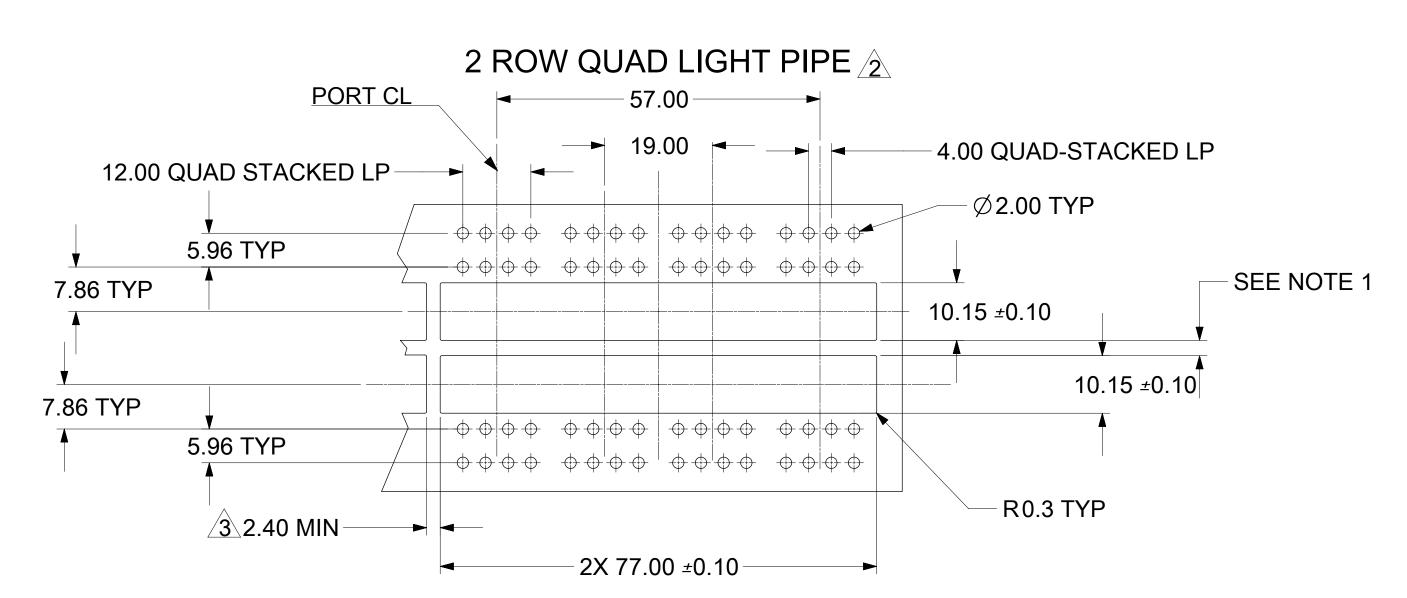
DOCUMENT STATUS P1 RELEASE DATE | 2020/08/25 04:10:24

BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



DUAL LIGHT PIPE AND QUAD LIGHT PIPE 2





NOTE:

19

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

DOCUMENT STATUS P1 RELEASE DATE 2020/08/25 04:10:24

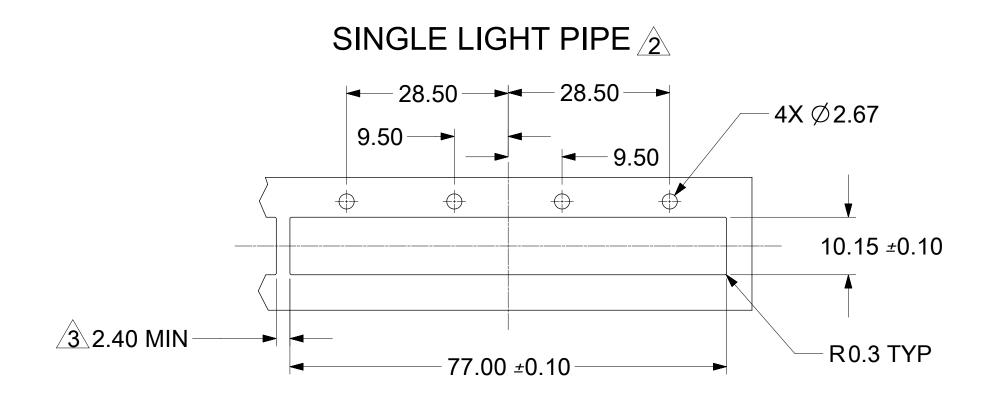
- 2 NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.
- 3 THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION.

(THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF ADIACENT CAGE" ON PCB LAYOUT.)

	3.8 REF
	3.0 ±0.3 — • K OF BEZEL)
0.15 ±0.10 BEZEL OPENING BELOW PCB PAD SURFACE	CUTAWAY 1 9.75 REF (TOP OF CAGE TO PAD SURFACE)
0.15 ±0.10 BEZEL OPENING ABOVE	
PCB PAD SURFACE 1.60 F	REF

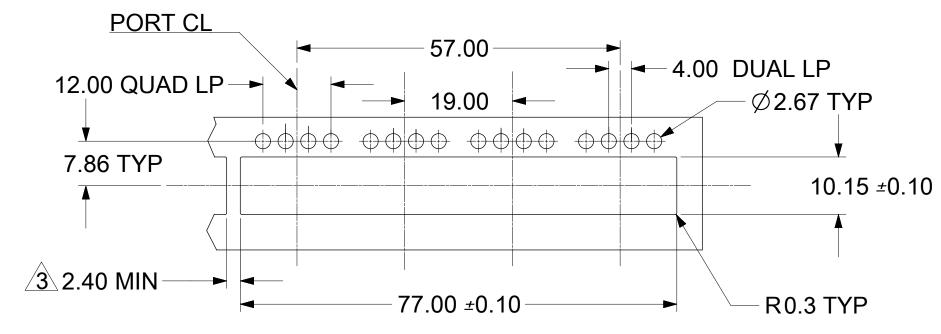
THIS DRAWING C	CONTAINS INF	ORMATION THAT IS PE	ROPRIETARY TO MO	DLEX EL	ECTRONIC TEC	CHNOLOGIES,	LLC AND SH	OULD NOT BE	USED WIT	THOUT WR	ITTEN PE	RMISSI
DIMENSION UNITS	SCALE	CURRENT REV DE	SC: REACTIVATI	ED PAR	RT NUMBER							
mm	2.5:1							no	le	X		
GENERAL TOI (UNLESS SI												
ANGULAR TOL	± 1.0 °						ZQSF	P+ 1X4 G	ANGE	D CAGE	Ē	
		EC NO: 643481				ASSY'S	(SPRING	FINGER)	WITH	H/S & L	/P OP	TIONS
4 PLACES	±	DRWN: AKUMA	R19		2020/08/17		•	,				
3 PLACES	±	CHK'D: GB			2020/08/25							
2 PLACES	± 0.13	APPR: GB			2020/08/25		PRODU	ICT CUST	OMER	DRAW	ING	
2 PLACES	1 0.13	INITIAL REVISI	ON:	:		DOCUMENT N	UMBER			DOC TYPE	DOC PAR	REVISI
1 PLACE	± 0.25	DRWN: KNAGAI			2015/06/03		10001	74200			CD	
0 PLACES	±	APPR: RCHEN	08		2016/01/11		100017	1200		PSD	SD	L
DRAFT WHERE A	APPLICABLE	THIRD ANGLE PROJEC	TION DRAWING	;	SERIES	MATERIAL NU	MBER	CUSTOMER		•	SHEET	NUMBER
MUST RE WITHIN DIME			D-SIZ	E 1	100017	SEE 1	ΓABLE	GENER	AL MA	RKET	7 (OF 9
7		6	5			1		3		2		1

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING

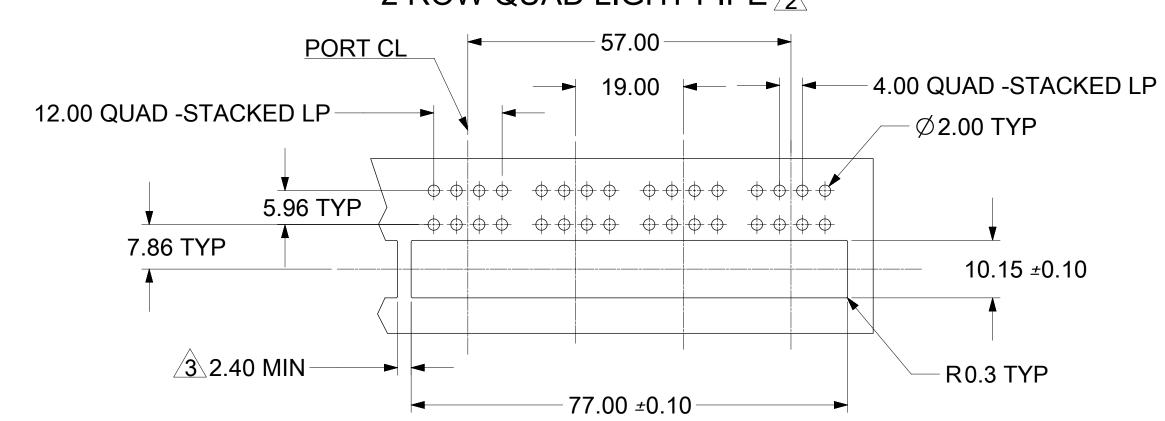


19

DUAL LIGHT PIPE AND QUAD LIGHT PIPE 2



2 ROW QUAD LIGHT PIPE 2



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 IT DEPENDS ON APPLICATION.

(THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF ADIACENT CAGE" ON PCB LAYOUT.) DOCUMENT STATUS P1 RELEASE DATE 2020/08/25 04:10:24

	43.8 REF (BEZEL CENTERLINE) 43.0 ±0.3 (BACK OF BEZEL)
0.15 ±0.10 BEZEL OPENING BELOW PCB PAD SURFACE	9.75 REF (TOP OF CAGE TO PAD SURFACE)

			ORMATION 1	THAT IS PRO	OPRI	ETARY TO MOLEX	ELECTRONIC TEC	CHNOLOGIES,	LLC AND SHO	OULD NOT BE U	JSED WIT	THOUT WR	ITTEN PE	RMISSION
DIMENSION UNITS	S S	CALE	CURRENT	REV DES	SC: F	REACTIVATED P	ART NUMBER							
mm	1	1:1								no	le	X		
GENERAL TO	LERA	NCES												
(UNLESS S	SPECIF	FIED)												
ANGULAR TOL	+	1.0 °							ZQSF	P+ 1X4 GA	ANGE	D CAGE	<u>.</u>	
744002744102	_	1.0	EC NO:	643481				ASSY'S	(SPRING	FINGER)	WITH	H/S & L	/P OP	TIONS
4 PLACES	±		DRWN:	AKUMAR	19		2020/08/17		(-	- /				
3 PLACES	±		CHK'D:	GB			2020/08/25					•		•
0 DI 4050	1.	0.40	APPR:	GB			2020/08/25		PRODU	ICT CUSTO	OMER	DRAW	ING	
2 PLACES	±	0.13	INITIAL)NI·			DOCUMENT N	UMBER			DOC TYPE	DOC PAR	TREVISION
1 PLACE	±	0.25					2045/06/02							_
0.01.4050	1.		DRWN:	_			2015/06/03		100017	71200 -		PSD	SD	
0 PLACES	±		APPR:	RCHEN08	8		2016/01/11		100017	1200				
DRAFT WHERE	APPLIC	CABLE	THIRD ANG	LE PROJECTI	ION	DRAWING	SERIES	MATERIAL NU	MBER	CUSTOMER			SHEET	NUMBER
MUST RI WITHIN DIM		NS				D-SIZE	100017	SEE 1	TABLE	GENERA	AL MA	RKET	8 (OF 9
7			6		•	5	4	4		3		2		1

V	DATE	DESCRIPTION								
A	03/29/2013	RELEASE								
В	06/26/2013	DDED DIM 12.77 AT G-9 ON SHEET 4.								
С	02/05/2014	ET 3: ADDED VIEW AND P/N TABLE FOR CLOSED TOP W/LP.								
		SHEET 4/5: EXPANDED ALLOWABLE AREA WHERE SURFACE TRACES ARE PERMITTED.								
		REMOVED "HOLE PATTERN REPEATS FOR EACH PORT." FROM NOTE 4								
D	07/15/2014	SHEET 1: ADDED MATERIAL INFORMATION TO NOTES.								
		SHEET 2: MADE HEATSINK HEIGHT DIMENSIONS REF.								
		CHANGED REARMOST LEG ON BOTH SIDES OF ALL CAGES FROM 3D PRESSFIT TO								
		EYE-OF-THE-NEEDLE PRESSFIT LEG.								
E	10/6/2014	ADDED 2 ROW QUAD LIGHT PIPE OPTION								
		SHEET 2: CHANGED HEATSINK HEIGHT DIMENSIONS TO REF								
		J14: DIM 67.48 CHANGED TO REF								
		SHEET 4: MOVED DATUMS "K" AND "L" TO CONNECTOR HOLES								
		REMOVED BASIC FROM "0.00" POSITIONS								
		SHEET 5: MOVED DATUMS "K" AND "L" TO CONNECTOR HOLES								
		REMOVED BASIC FROM "0.00" POSITIONS								
		H18: MADE HOLE DIAMETER DIMENSION TYP								
		SHEET 7: EDIT NOTE 1, REMOVED "SIZE"								
		REMOVED NOTE 1 FROM ALL "10.15" DIMENSIONS								
F	3/12/2015	ADDED 1000171255 & LIGHT PIPE FEATURE IN COLUMN @ M10 ON SHEET3.								
G		SHEET 4: REVISED DIM "WAS" 12.77 "NOW" 12.79 @G9								
J		REVISED FRAMED TEXT NUMBER 4 TRIANGLES TO FRAMED TEXT NUMBER 5 @D5, @E4, @E6, @F4, @F6, AND @H7								
		SHEET 5: REVISED DIM "WAS" 12.77 "NOW" 12.79 @F7								
		REMOVED NOTE 4 AND REVISED NOTE 5 TO NOTE 4								
		REMOVED NOTE 4 @A20								
		REMOVED NOTE 4 @/\20 REMOVED SEE NOTE 4 AND ADDED DIMS @K11, K12, K13, AND @K14								
		SHEET 6: REVISED PORT CL "WAS" (4) "NOW" PORT CL @E7, D17, G17 AND @H7								
Н		SHEET 1: C7: CHANGED YR FROM 12,13,14 ETC.(EXAMPLE: YEAR 2012=12) TO 15,16,17 ETC.(EXAMPLE: YEAR 2015=15)								
		SHEET 3: B18: ADDED PN 1000171649 CUSTOM H/S 19mm TO HEATSINK AND LIGHT PIPE TABLE								
		SHEET 6: CHANGED REVISION DESCRIPTION FROM ENTER DESCRIPTION TO SEE REVISION TABLE								
		CHANGED MATERIAL NO. FROM 999999999 TO SEE DRAWING								
J	06/26/2015	REMASTERED FROM SD-100017-1200_REV-H								
J1	01/04/2016	UP-REVISIED TO CORRECT THE MODEL								
J2	01/07/2016	CHANGED DOCUMENT FROM RSD TO SD								
J3	2016/01/15	UPDATE DRAWING FORMAT TO NEW SIZE D								
		SHEET 7 & 8: ADDED NOTE: THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION. (THIS D	IMENSION VARIES BASED ON DISTANCE OF " HOLE OF ADIACENT CAGE" ON PCB LAYOUT.)							
K		SHEET 4: ADDED PAD TO HOLES & UPDATED VIEWS TO AVOID CONFUSION								
		SHEET 5: ADDED PAD TO HOLES & UPDATED VIEWS TO AVOID CONFUSION								
		C05: ADDED BASIC DIM 19.52 C10: ADDED BASIC DIM 35.28 & 38.52								
		C10. ADDED BASIC DIM 55.28 & 56.52 C12: ADDED BASIC DIM 54.28 & 57.52								
		C13: ADDED BASIC DIM 72.78								
		SHEET 6: ADDED PAD TO HOLES & UPDATED VIEWS TO AVOID CONFUSION								
		SHEET 7: J03: CHANGED DIM FROM 9.78 REF TO 9.75 REF								
		SHEET 8: J03: CHANGED DIM FROM 9.78 REF TO 9.75 REF								
K1	2019/08/26	OBSOLETED P/N 1000171240,1000171255,1000171448,1000171543,1000171647.								
L	2020/08/17	REACTIVATED P/N 1000171255								
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT W							
			DIMENSION UNITS SCALE CURRENT REV DESC: REACTIVATED PART NUMBER 1:1							
			GENERAL TOLERANCES (UNLESS SPECIFIED)							
			ANGULAR TOL ± 1.0° EC NO: 643481 ZQSFP+ 1X4 GANGED CAG							
			4 PLACES ± DRWN: AKUMAR19							
			3 PLACES ± CHK'D: GB 2020/08/25							
			2 PLACES ± 0.13 APPR: GB 2020/08/25 PRODUCT CUSTOMER DRAV							
			1 PLACE ± 0.25							
			DRWN: KNAGANNA 2015/06/03 2016/01/11 1000171200							

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

L/P OPTIONS /ING E DOC PART REVISION SD L APPR: RCHEN08 2016/01/11 0 PLACES |± DRAFT WHERE APPLICABLE THIRD ANGLE PROJECTION DRAWING CUSTOMER SERIES MATERIAL NUMBER SHEET NUMBER MUST REMAIN
WITHIN DIMENSIONS GENERAL MARKET SEE TABLE 9 OF 9 RELEASE DATE | 2020/08/25 | 04:10:24 DOCUMENT STATUS | P1