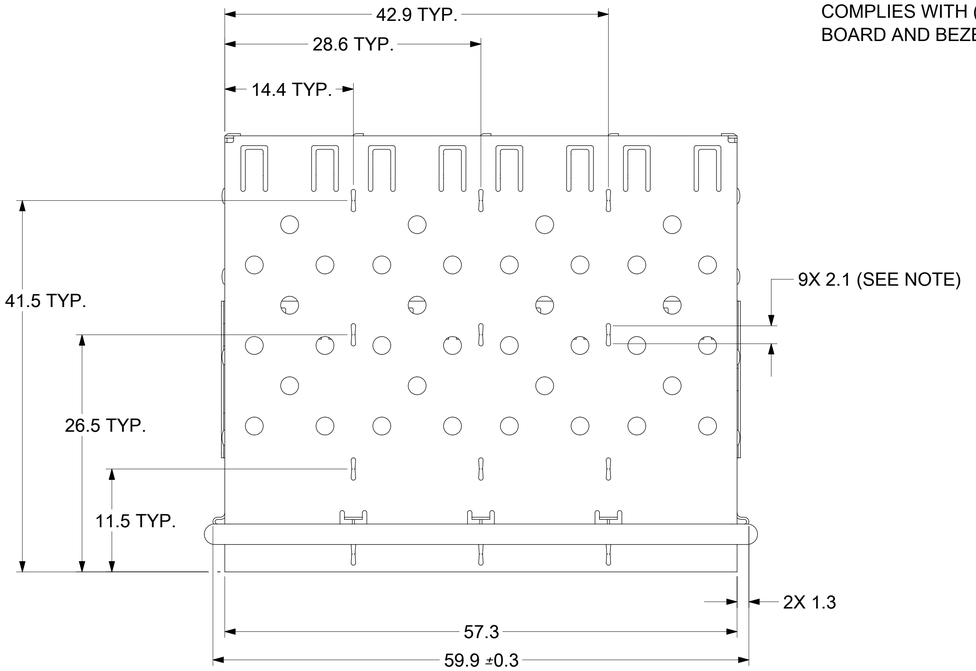
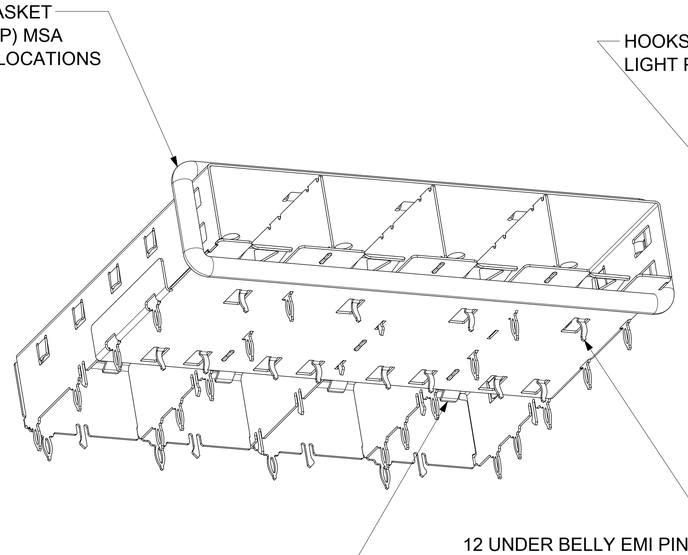
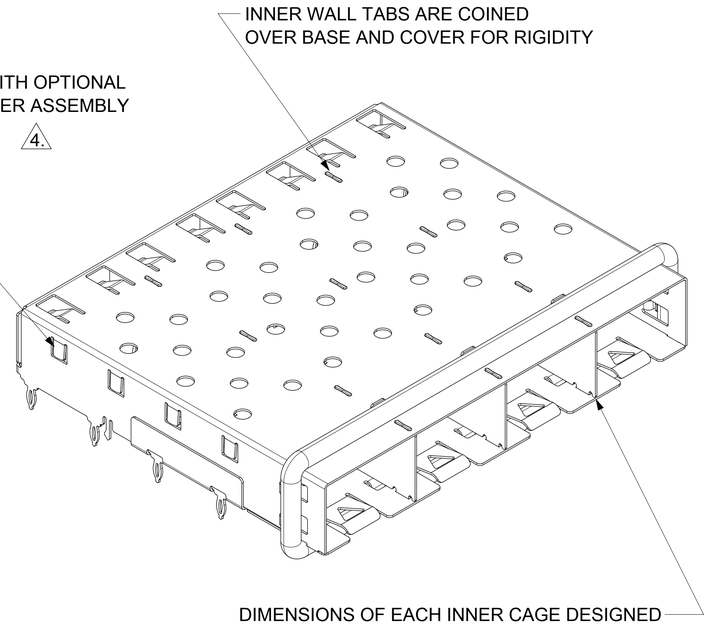
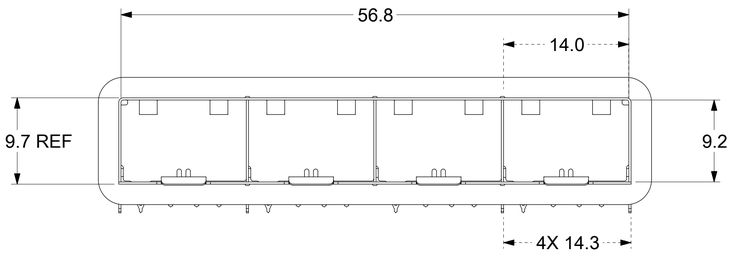
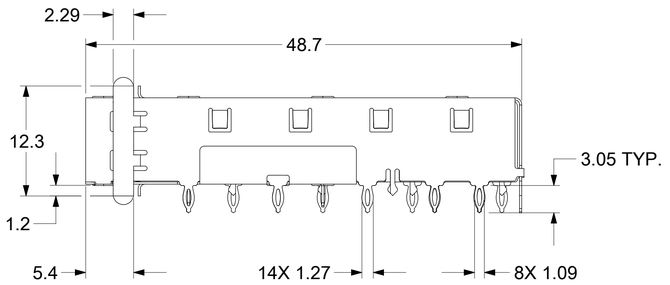


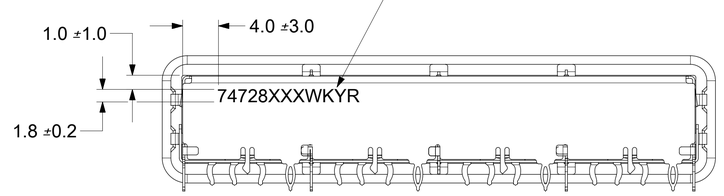








PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON
BACK OF CAGE APPROXIMATELY AS SHOWN. SEE TABLE BELOW
FOR DATE CODE INFORMATION.



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	19, 20, 21 ETC.. (EXAMPLE: YEAR 2019= 19)

PART NUMBER	ELASTOMERIC GASKET FLAMMABILITY RATING
747280415	
747280424	EQUATE TO UL94 V-0

NOTES:
1. 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.
2. MATERIAL: COPPER ALLOY
   PLATING: NONE.
   NOTE: A PRE-PLATED NICKEL VERSION IS AVAILABLE.
   REFER TO DOCUMENT SD-74728-420.
   ELASTOMER GASKET: SILICON, COLOUR BLACK
3. REFERENCE DOCUMENTS:
   PRODUCT SPECIFICATION: PS-74728-000.
   COSMETIC SPECIFICATIONS: WI-HP-7-2774 AND WI-HPA-7-0093.
   TEST SUMMARY: TS-74728-0415.
4. MATES WITH SERIES 74728, LIGHT PIPE COVER ASSEMBLY.
5. NO RoHS EXEMPTIONS.

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/13 09:18:51

SYMBOLS	
FA	= 0
FC	= 0
FP	= 0
S	= 0
	= 0
C	= 0
	= 0
	= 0
	= 0

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

DIMENSION UNITS	SCALE
mm	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO:	629124	
DRWN:	DKUMARG	2019/11/28
CHK'D:	TKUMARKC	2019/12/13
APPR:	JCHIANG	2019/12/13

INITIAL REVISION:

DRWN:	PMAHADEVAPPA	2018/12/14
APPR:	RCHEN08	2019/01/15

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 74728

molex

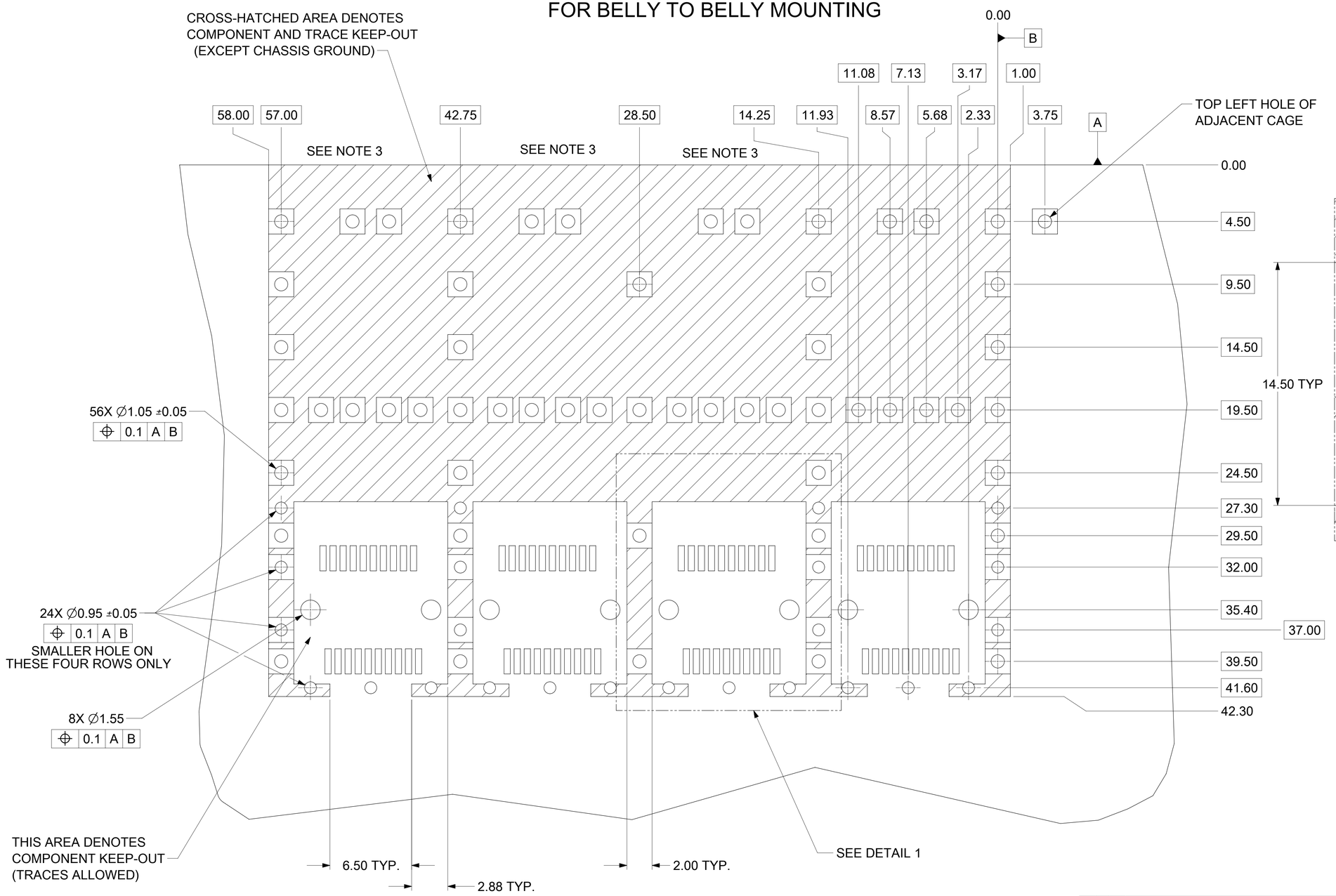
1X4 SFP GANGED CAGE
ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE

PRODUCT CUSTOMER DRAWING

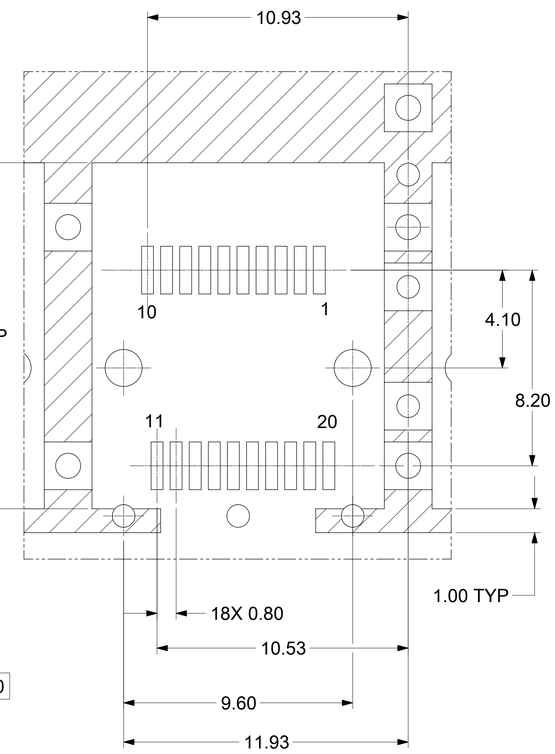
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747280415	PSD	ASY	D1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE		1 OF 5

PCB LAYOUT
FOR BELLY TO BELLY MOUNTING



HOST CONNECTOR DETAIL



DETAIL 1
SCALE 8:1

NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND, (64 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 14.25

SYMBOLS	
A = 0	
B = 0	
C = 0	
S = 0	
= 0	
= 0	
= 0	
= 0	

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DIMENSION UNITS	SCALE
mm	6:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 629124
DRWN: DKUMARG 2019/11/28
CHK'D: TKUMARKC 2019/12/13
APPR: JCHIANG 2019/12/13

INITIAL REVISION:
DRWN: PMAHADEVAPPA 2018/12/14
APPR: RCHEN08 2019/01/15

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 74728

MATERIAL NUMBER: SEE P/N TABLE | CUSTOMER | SHEET NUMBER: 2 OF 5

molex

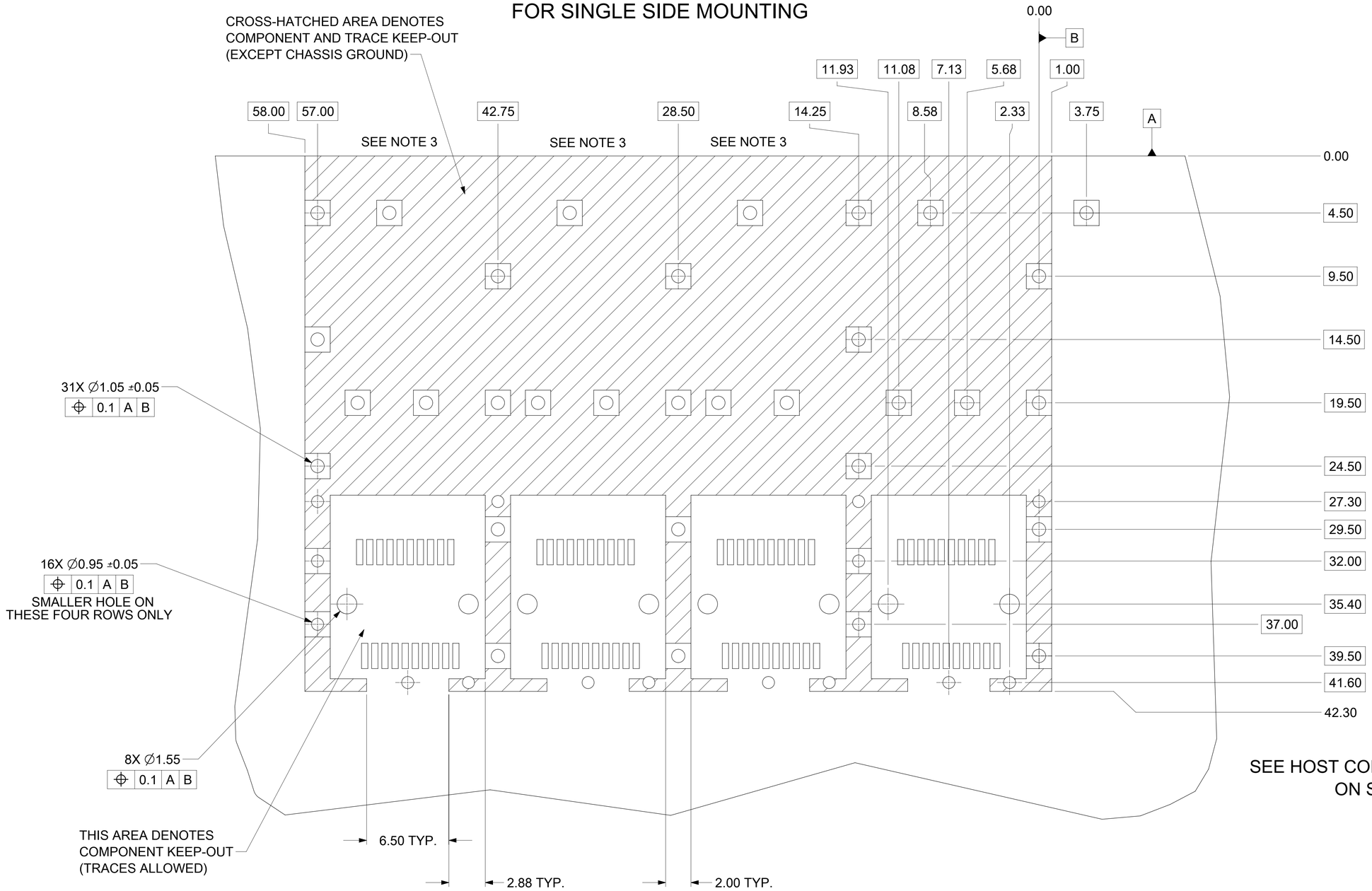
1X4 SFP GANGED CAGE
ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747280415	PSD	ASY	D1

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/13 09:18:51

PCB LAYOUT
FOR SINGLE SIDE MOUNTING



SEE HOST CONNECTOR DETAIL
ON SHEET 2

NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND, (34 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE
2. PLATING OPTIONAL FOR THROUGH HOLES, (12 PLACES).
3. RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
4. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/13 09:18:51

SYMBOLS	
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E =	0
B =	0
S =	0
=	0
C =	0
=	0
=	0
V =	0

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DIMENSION UNITS	SCALE
mm	6:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 629124
DRWN: DKUMARG 2019/11/28
CHK'D: TKUMARKC 2019/12/13
APPR: JCHIANG 2019/12/13

INITIAL REVISION:
DRWN: PMAHADEVAPPA 2018/12/14
APPR: RCHEN08 2019/01/15

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 74728

MATERIAL NUMBER: SEE P/N TABLE | CUSTOMER | SHEET NUMBER: 3 OF 5

molex

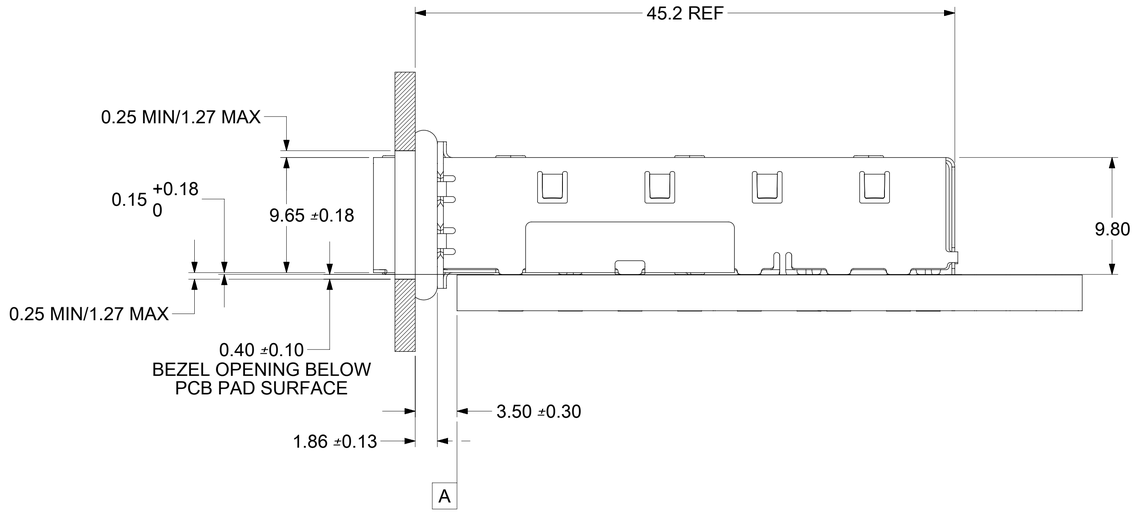
1X4 SFP GANGED CAGE
ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE

PRODUCT CUSTOMER DRAWING

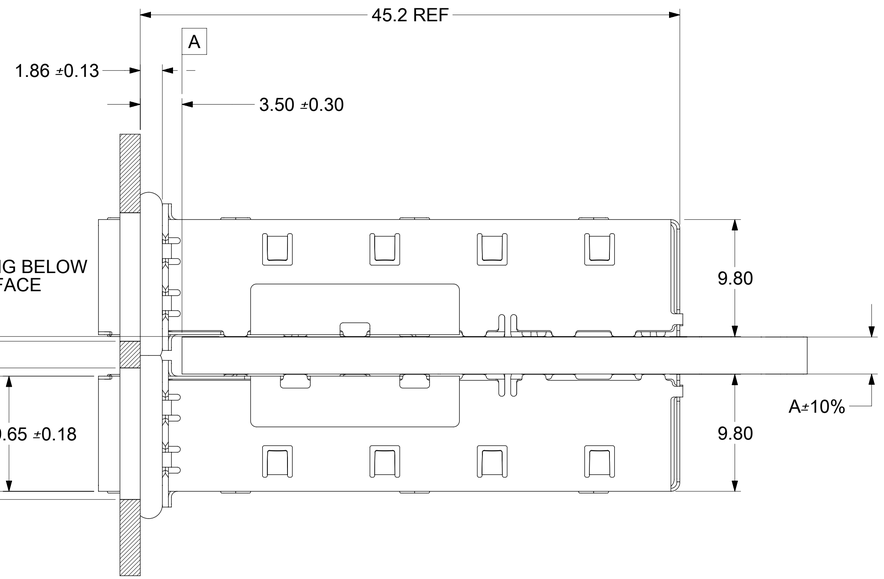
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747280415	PSD	ASY	D1

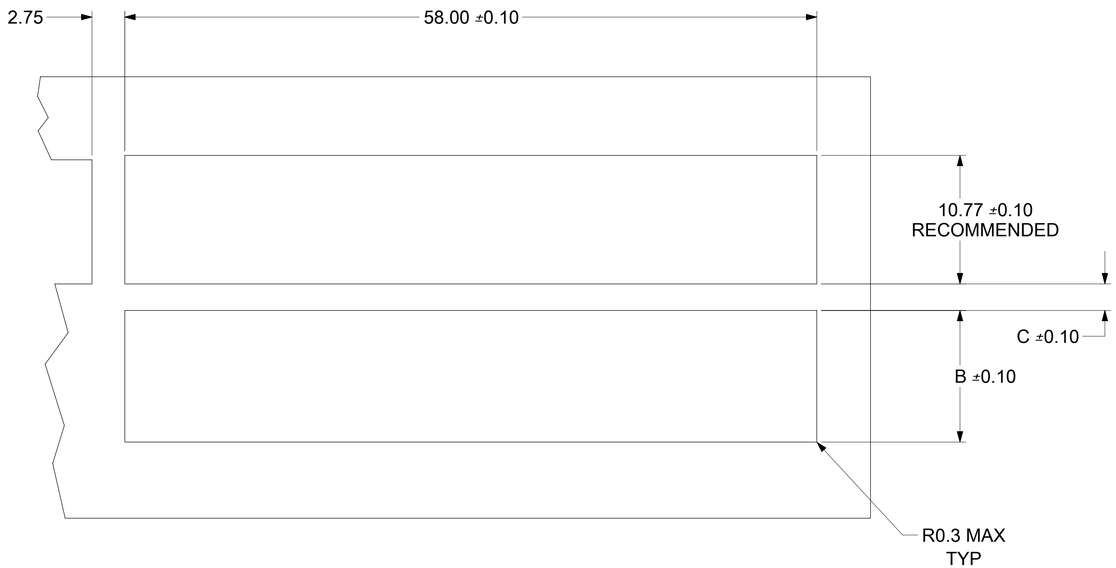
BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING





BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING





NOTE:
1. FOR A GIVEN BOARD THICKNESS (A), DIMENSIONS (B) AND (C) ARE DIRECTLY AFFECTED.
2. USE RECOMMENDED DIMENSIONS AND TOLERANCES TO AID IN DEVELOPING BEZEL OPENING.
3. FOR EXAMPLE USING A BOARD THICKNESS OF 3.175 THE RECOMMENDED VALUES WOULD BE:
   A= 3.18 ±10%
   B= 11.03 ± 0.10
   C= 2.23 ± 0.10

SYMBOLS	
FA = 0	
FC = 0	
FB = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
V = 0	

DIMENSION UNITS	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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CURRENT REV DESC:

EC NO: 629124
DRWN: DKUMARG 2019/11/28
CHK'D: TKUMARKC 2019/12/13
APPR: JCHIANG 2019/12/13

INITIAL REVISION:
DRWN: PMAHADEVAPPA 2018/12/14
APPR: RCHEN08 2019/01/15

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 74728

molex

1X4 SFP GANGED CAGE
ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747280415	PSD	ASY	D1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE		4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/13 09:18:51

REVISION HISTORY

DATE	REV	DESCRIPTION
08/17/2004	1	PRELIMINARY DOCUMENT.
10/09/2004	A	INITIAL RELEASE.
01/20/2006	B	ADDED PCB AND BEZEL LAYOUT. UPDATED NOTES.
05/09/2014	C	1. ADDED P/N 747280424. [SHT 1] 2. ADDED "MM 3D MODEL: EM-74728-0415" ON LEFT TOP CORNER. [SHT 1] 3. NOTE 5 CHANGED AS "NO RoHS EXEMPTIONS". [SHT 1] 4. REMOVE ALL DIMENSIONS IN INCH. [SHT 1 TO 4]
12/13/2018	D	1. REMASTERED SD-74728-415REV_C TO 747280415 PSD ASY REV_D IN NX/ECTR. 2. SHEET 1: E3: VIEW ADDED FOR DATE CODE REPRESENTATION.
04/12/2019	D1	SHEET 01 : B18: ADDED ELASTOMER GASKET: SILICON COLOUR BLACK.

SYMBOLS	
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E = 0	
E = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
= 0	

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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CURRENT REV DESC:

EC NO: 629124
DRWN: DKUMARG 2019/11/28
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APPR: JCHIANG 2019/12/13

INITIAL REVISION:
DRWN: PMAHADEVAPPA 2018/12/14
APPR: RCHEN08 2019/01/15

molex

1X4 SFP GANGED CAGE
ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747280415	PSD	ASY	D1

THIRD ANGLE PROJECTION	DRAWING	SERIES
	D-SIZE	74728

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE		5 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/13 09:18:51