3D MODEL: 1111110420 PSM ASY

59.68 MAX
(PCB GASKET)

57.9 REF
(OUTSIDE TABS)

57.21 REF
(OUTSIDE CAGE)

58.65 REF
(OUTSIDE SPRING FINGERS UNCOMPRESSED)

56.75 REF
(INSIDE TO INSIDE)

4X 14.00 ±0.10 TYP
(INSIDE TO INSIDE)

4X 8.95 ±0.10 TYP
(INSIDE TO INSIDE)

10.85 REF
(EMI FINGERS
UNCOMPRESSED)

14.25 REF TYP

EMI SPRING FINGERS

INNER WALL ARE COINED OVER BASE
AND COVER FOR EXCELLENT RIGIDITY
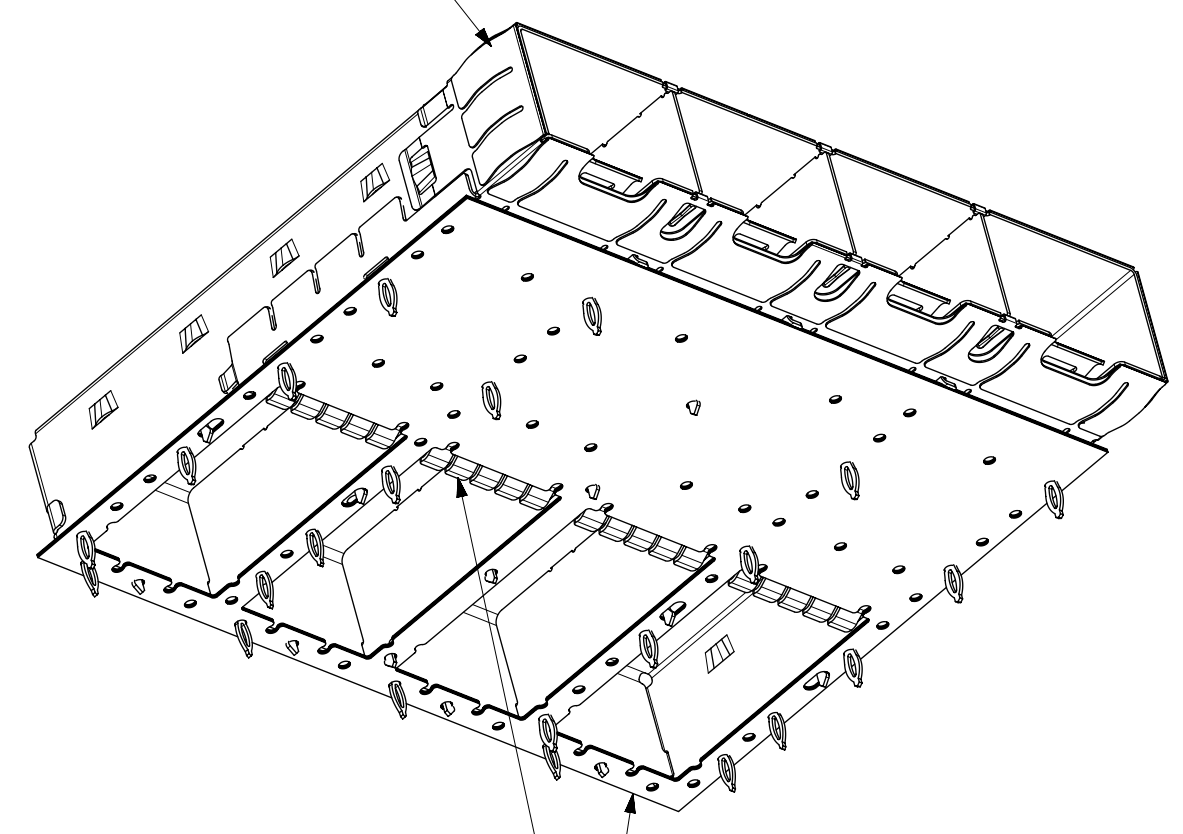
UNDERBELLY SPRING FINGERS

GEN 1 BELLY PCB GASKETS

TABS USED TO MOUNT
LIGHT PIPE COVER

50.03 MAX
(TO PCB GASKET)

49.0 REF
(TO BACK OF CAGE)

11.50 REF

2.79 REF TYP

1111110420 WKYR
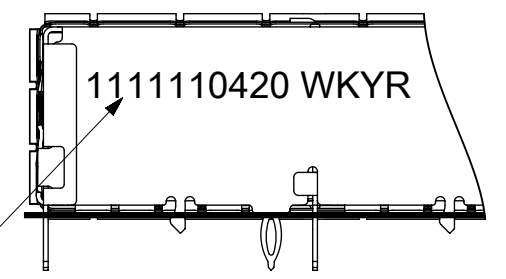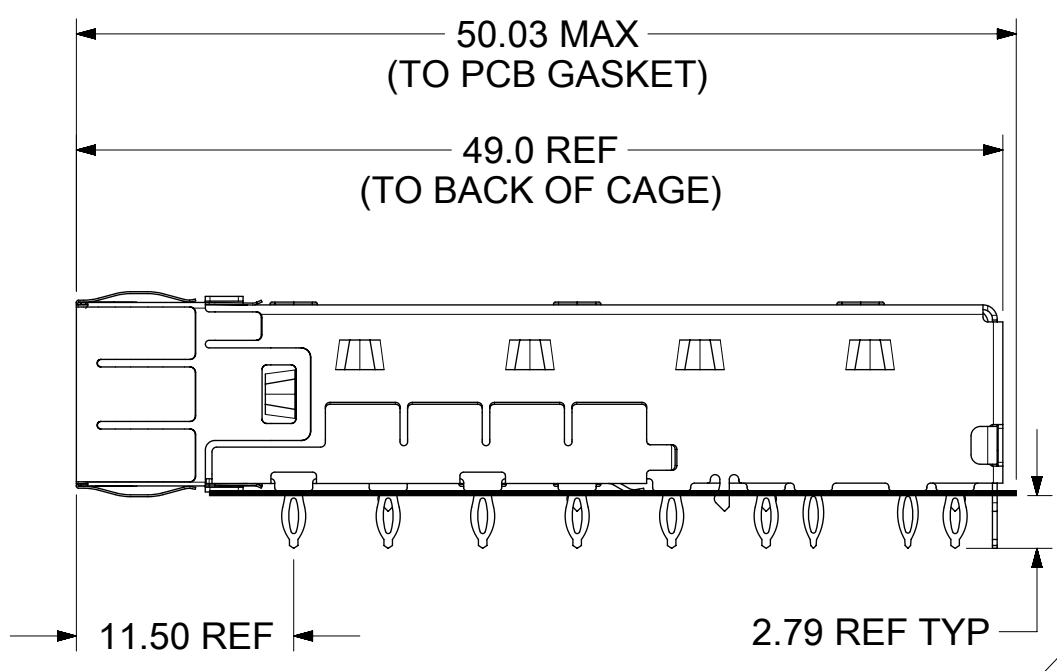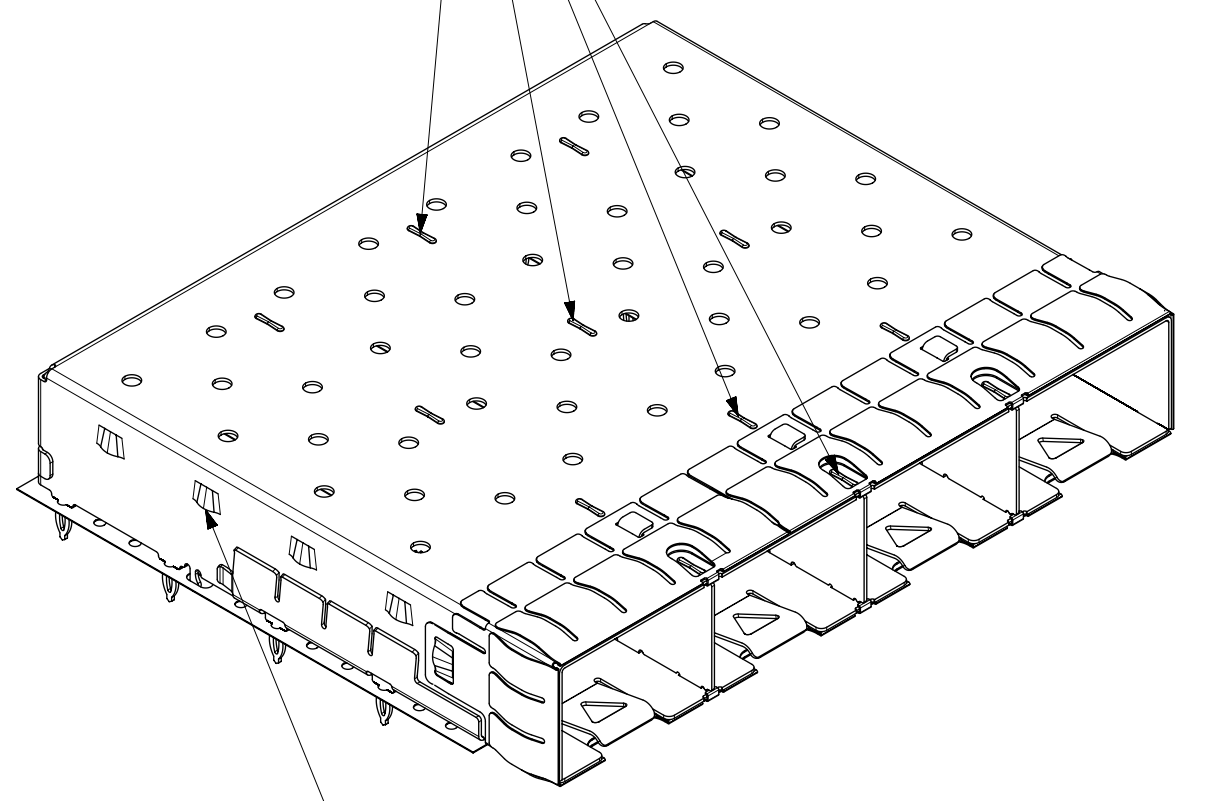
PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON
BACK OF CAGE APPROXIMATELY AS SHOWN.
SEE TABLE BELOW FOR DATE CODE INFORMATION.

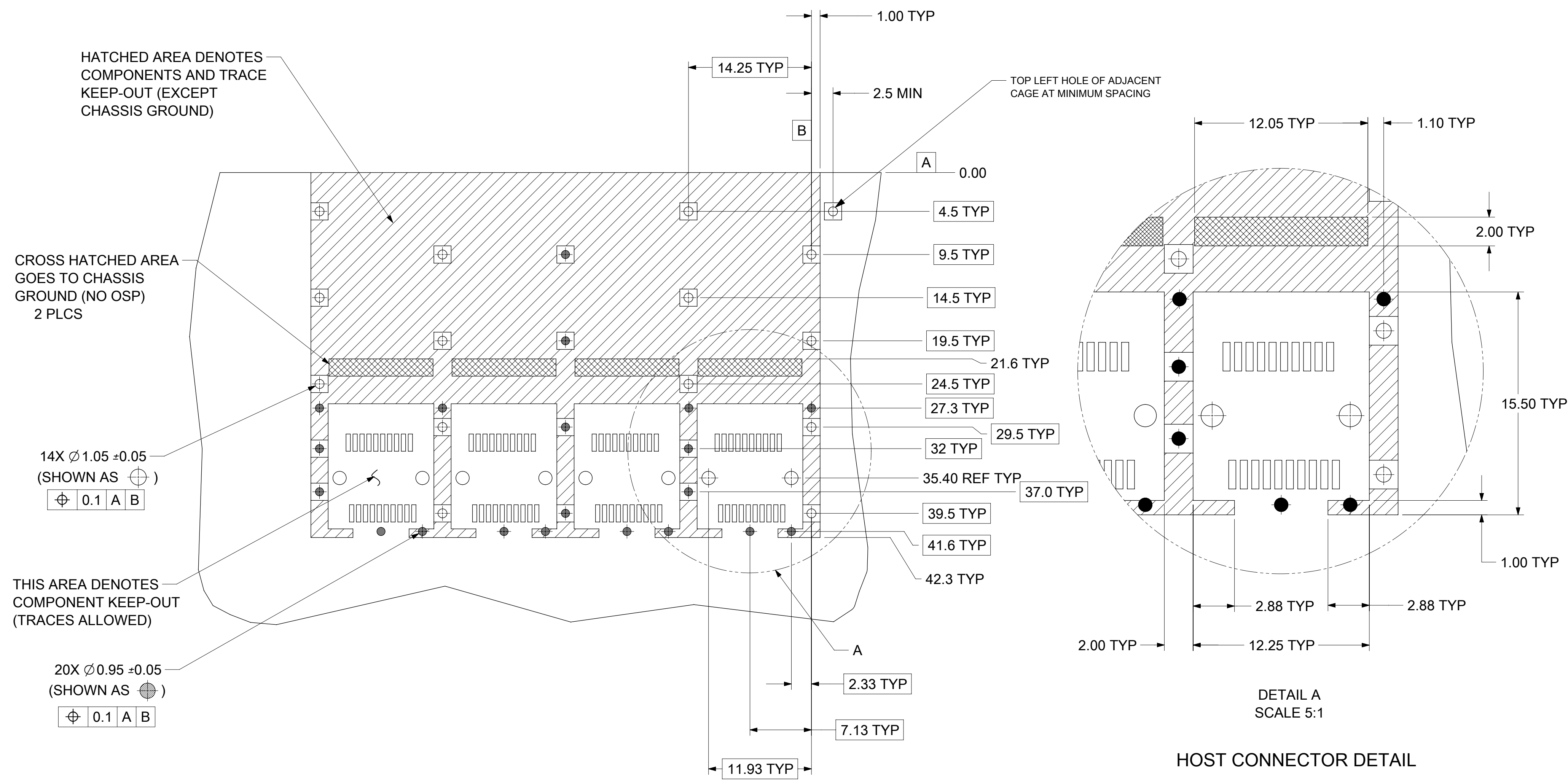| DATE	WEEK/YEAR DATE CODE
WK	01 THRU 52. EXAMPLE: 01 = FIRST WEEK OF YEAR, 52 = LAST WEEK OF YEAR
YR	16, 17, 18, ETC. EXAMPLE: YEAR 2016 = 16

NOTES (UNLESS OTHERWISE SPECIFIED):

1. MATERIAL:
   CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED
   FRONT EMI SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED
   BELLY PCB GASKET: COATED POLYIMIDE
2. PORTS ARE DESIGNED FOR zSFP+, SFP+, AND SFP TRANSCEIVERS
3. OPTIONAL LIGHTPIPE ASSEMBLY AVAILABLE
4. NO RoHS EXEMPTIONS
5. PRESS FIT LEGS:
   1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE
   3.00mm MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE
6. WELD SPOTS WILL SHOW SLIGHT MATERIAL DISCOLORATION

QUALITY SYMBOLS

▽ = 0
▽ = 0
▽ = 0
▼ = 0
▽ = 0
⊠ = 0
■ = 0
▽ = 0

SEE REVISION TABLE

EC NO: 103025
DRWN: PGSHETTY
CHKD: RCHEN08
APPR: RCHEN08

2016/02/08
2016/02/19
2016/02/19

GENERAL
TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION UNITS: mm
SCALE: 2.5:1

DRWN BY: PGSHETTY   DATE: 2016/02/08
CHK'D BY: EWANG07
APPR BY: RCHEN08   DATE: 2016/02/19

DRAWING SIZE: C
THIRD ANGLE PROJECTION

molex®

ZSFP+ 1X4 CAGE WITH BELLY PCB GASKETS

PRODUCT CUSTOMER DRAWING

SERIES: 111111
MATERIAL NUMBER: 1111110420
CUSTOMER:

DOCUMENT NUMBER: 1111110420
DOC TYPE: PSD
DOC PART: ASY
SHEET NUMBER: 1 OF 5

RELEASE STATUS P1   RELEASE DATE 2016/02/19   11:16:46

REV: A

FORMAT: B-prod-C
REVISION: F
DATE: 2015/11/16

PCB LAYOUT FOR SINGLE SIDE MOUNT

HATCHED AREA DENOTES COMPONENTS AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

CROSS HATCHED AREA GOES TO CHASSIS GROUND (NO OSP) 2 PLCS

14X ⌀1.05 ±0.05 (SHOWN AS ⊕)
⊕ | 0.1 | A | B

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

20X ⌀0.95 ±0.05 (SHOWN AS ⊕)
⊕ | 0.1 | A | B

1.00 TYP
14.25 TYP
2.5 MIN
TOP LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING
B
A
0.00
4.5 TYP
9.5 TYP
14.5 TYP
19.5 TYP
21.6 TYP
24.5 TYP
27.3 TYP
29.5 TYP
32 TYP
35.40 REF TYP
37.0 TYP
39.5 TYP
41.6 TYP
42.3 TYP
A

2.33 TYP
7.13 TYP
11.93 TYP

DETAIL A
SCALE 5:1

12.05 TYP
1.10 TYP
2.00 TYP
15.50 TYP
1.00 TYP
2.88 TYP
2.88 TYP
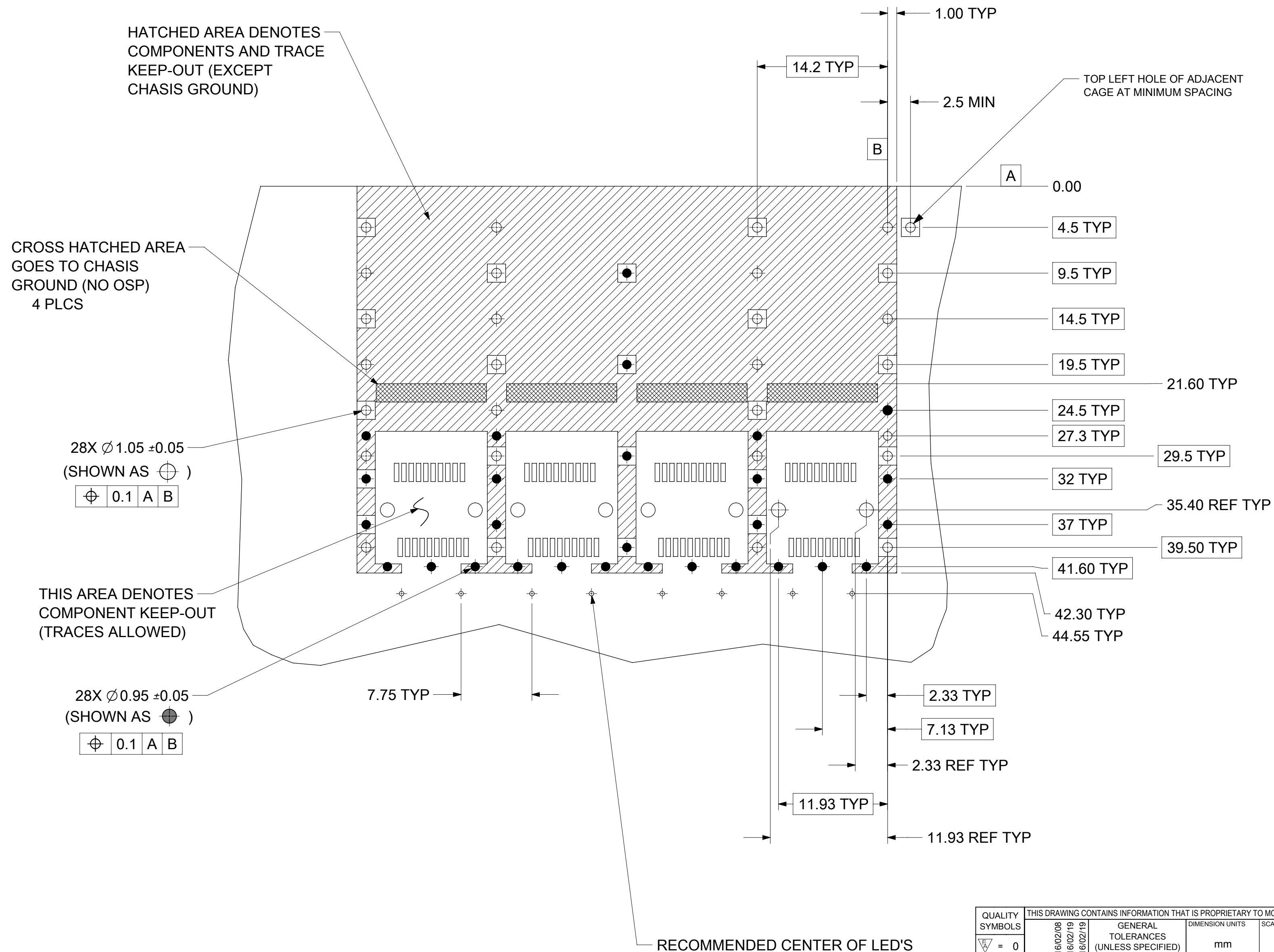2.00 TYP
12.25 TYP

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 WILL ACCOMMODATE MOLEX CONNECTOR SERIES 170382 OR EQUIVALENT
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm

HATCHED AREA DENOTES
COMPONENTS AND TRACE
KEEP-OUT (EXCEPT
CHASIS GROUND)

CROSS HATCHED AREA
GOES TO CHASIS
GROUND (NO OSP)
4 PLCS

28X ⌀1.05 ±0.05
(SHOWN AS ⊕)

⊕ | 0.1 | A | B

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

28X ⌀0.95 ±0.05
(SHOWN AS ⬤)

⊕ | 0.1 | A | B

RECOMMENDED CENTER OF LED'S

1.00 TYP

14.2 TYP

2.5 MIN

TOP LEFT HOLE OF ADJACENT
CAGE AT MINIMUM SPACING

B

A   0.00

4.5 TYP

9.5 TYP

14.5 TYP

19.5 TYP

21.60 TYP

24.5 TYP

27.3 TYP

29.5 TYP

32 TYP

35.40 REF TYP

37 TYP

39.50 TYP

41.60 TYP

42.30 TYP

44.55 TYP

7.75 TYP

2.33 TYP

7.13 TYP

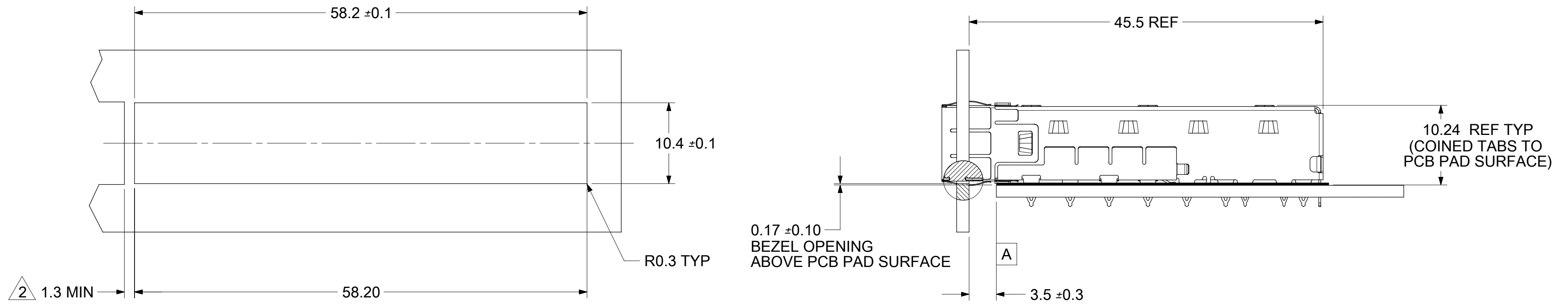2.33 REF TYP

11.93 TYP

11.93 REF TYP

NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL

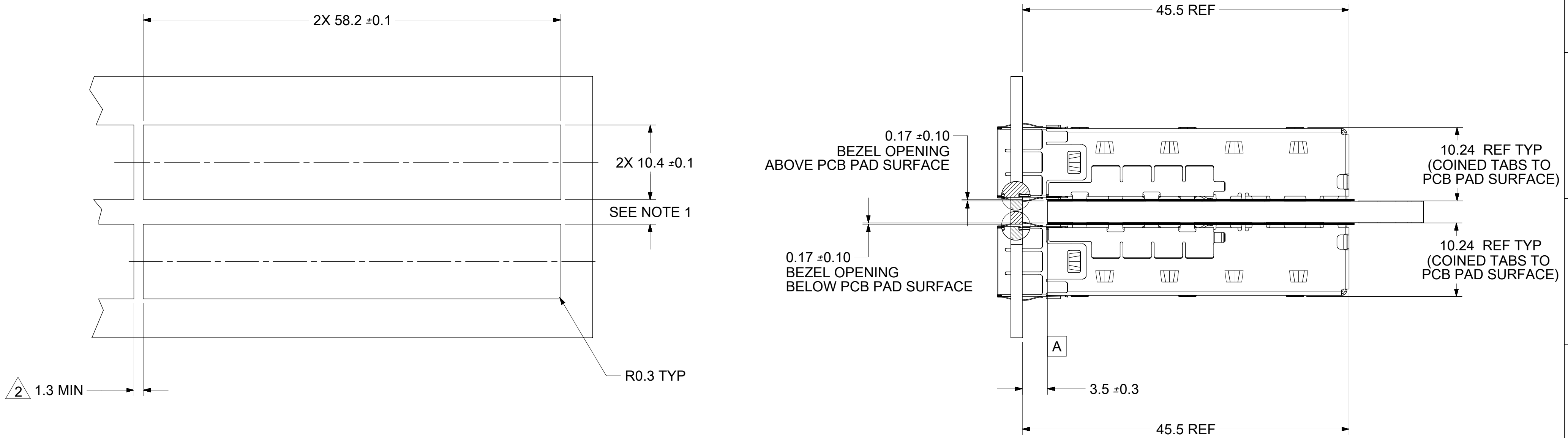NOTES (UNLESS OTHERWISE SPECIFIED):

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 WILL ACCOMMODATE MOLEX CONNECTOR SERIES 170382 OR EQUIVALENT
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm

QUALITY SYMBOLS

▽ = 0
▽ = 0
▽ = 0
▼ = 0
▽ = 0
⊠ = 0
■ = 0
▽ = 0

SEE REVISION TABLE

EC NO: 103025
DRWN: PGSHETTY
CHK'D: RCHEN08
APPR: RCHEN08

2016/02/08
2016/02/19
2016/02/19

GENERAL
TOLERANCES
(UNLESS SPECIFIED)

DIMENSION UNITS	SCALE
mm	1:1

ANGULAR TOL ± 1.0 °

4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRWN BY: PGSHETTY   DATE: 2016/02/08
CHK'D BY: EWANG07   DATE:
APPR BY: RCHEN08   DATE: 2016/02/19

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DRAWING SIZE: C

THIRD ANGLE PROJECTION

molex

ZSFP+ 1X4 CAGE WITH BELLY PCB GASKETS

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
111111	1111110420	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1111110420	PSD	ASY	3 OF 5

FORMAT: master-tb-prod-C
REVISION: F
DATE: 2015/11/16

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING
(SPRING FINGERS)

58.2 ±0.1

10.4 ±0.1

R0.3 TYP

45.5 REF

10.24 REF TYP
(COINED TABS TO
PCB PAD SURFACE)

0.17 ±0.10
BEZEL OPENING
ABOVE PCB PAD SURFACE

A

3.5 ±0.3

△2 1.3 MIN

58.20

BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING
(SPRING FINGERS)

2X 58.2 ±0.1

2X 10.4 ±0.1

SEE NOTE 1

R0.3 TYP

△2 1.3 MIN

45.5 REF

0.17 ±0.10
BEZEL OPENING
ABOVE PCB PAD SURFACE

10.24 REF TYP
(COINED TABS TO
PCB PAD SURFACE)

0.17 ±0.10
BEZEL OPENING
BELOW PCB PAD SURFACE

10.24 REF TYP
(COINED TABS TO
PCB PAD SURFACE)

A

3.5 ±0.3

45.5 REF

NOTES :

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

△2 THIS DIM IS FOR REF ONLY USER CAN MODIFY IT DEPENDS ON APPLICATION, HOLE OF ADJACENT
   CAGE ON PCB LAYOUT VARIES BASED ON MODIFICATION.

DATE	REV	DESCRIPTION
2016/02/15	A	INITIAL RELEASE (REMOVE 1111110420 FROM SD-111112-2420)

QUALITY SYMBOLS

▽ = 0
▽ = 0
▽ = 0
▼ = 0
▽ = 0
⊠ = 0
■ = 0
▽ = 0

SEE REVISION TABLE

EC NO: 103025
DRWN: PGSHETTY
CHKD: RCHEN08
APPR: RCHEN08

2016/02/08
2016/02/19
2016/02/19

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV A

| DIMENSION UNITS | SCALE |
| mm | 1:1 |

DRWN BY: PGSHETTY   DATE: 2016/02/08
CHK'D BY: EWANG07   DATE
APPR BY: RCHEN08   DATE: 2016/02/19

DRAWING SIZE: C

THIRD ANGLE PROJECTION

molex

ZSFP+ 1X4 CAGE WITH BELLY PCB GASKETS

PRODUCT CUSTOMER DRAWING

| SERIES | MATERIAL NUMBER | CUSTOMER |
| 111111 | 1111110420 | |

| DOCUMENT NUMBER | DOC TYPE | DOC PART | SHEET NUMBER |
| 1111110420 | PSD | ASY | 5 OF 5 |

FORMAT: master-tb-prod-C
REVISION: F
DATE: 2015/11/16