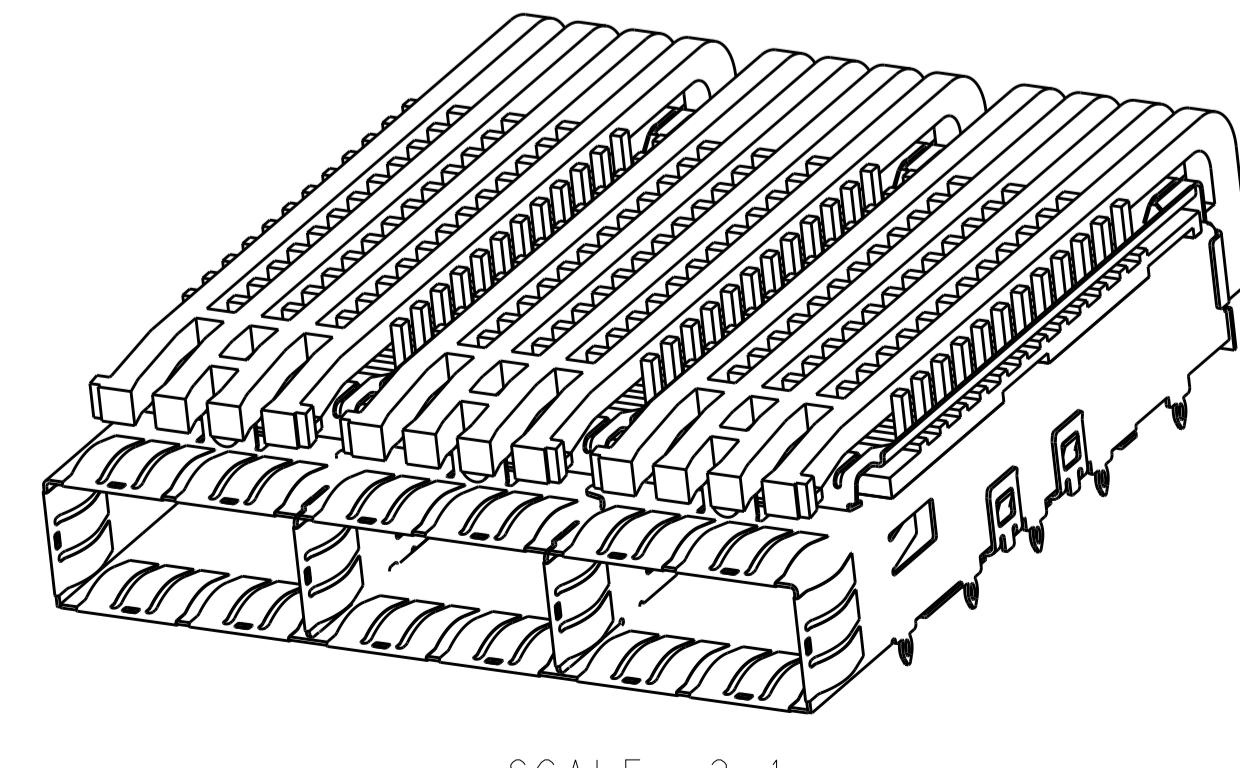
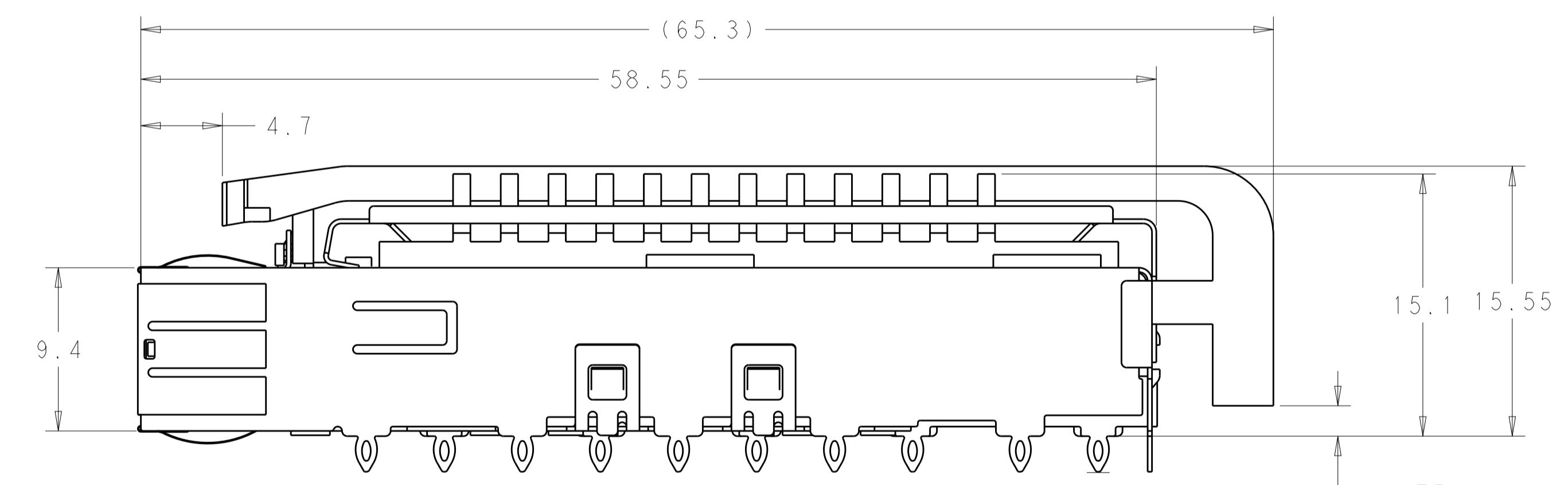


SCALE 4:1



## NOTES

- ▲ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- ▲ PITCH BETWEEN PORTS OF ONE 1X3 CAGE.
- ▲ SPACING BETWEEN CAGES ON THE SAME PC BOARD. TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
- ▲ REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- ▲ UNPLATED THRU HOLE.
- ▲ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- ▲ DATUM [-A-] IS TOP SURFACE OF THE HOST BOARD.
- ▲ DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD. MINIMUM PC BOARD THICKNESS:  
SINGLE SIDED: 1.45mm  
DOUBLE SIDED: 3mm PER QSFP
- 9. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- ▲ BASELINE FOR THE DIMENSION IS CENTER OF COMPLIANT PIN HOLE.
- ▲ DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- ▲ MATERIAL:  
CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK  
EMI SPRINGS: COPPER ALLOY  
HEAT SINK: ALUMINUM  
HEAT SINK CLIP: STAINLESS STEEL  
LIGHT PIPE: CLEAR POLYCARBONATE
- ▲ FINISH:  
EMI SPRINGS: 2um MINIMUM TIN  
HEAT SINK: BLACK ANODIZED



DESIGN APPROVED THIS PRINT IS  
**PRELIMINARY**  
TO FIRST PIECE APPROVAL  
CONTACT PRODUCT ENGINEERING  
BEFORE USING THIS PRINT

2057001-1

PART NUMBER

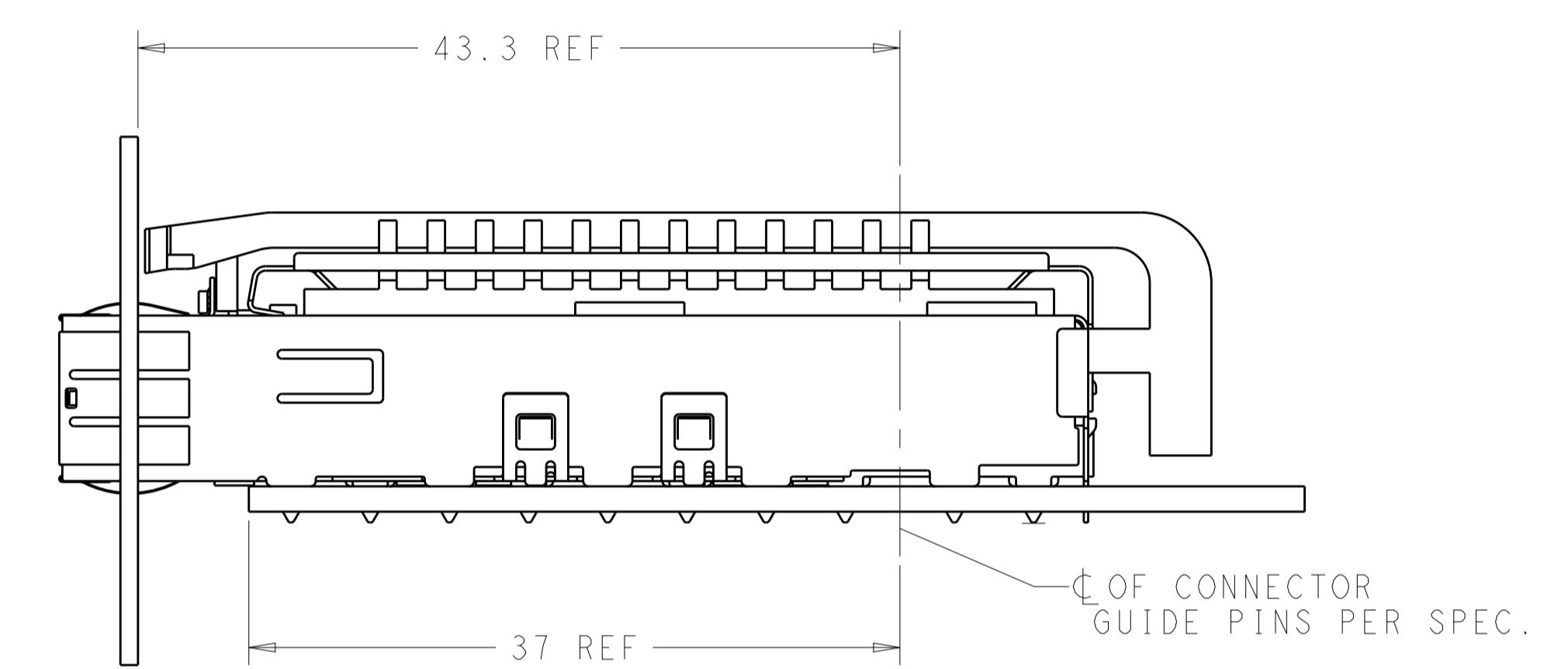
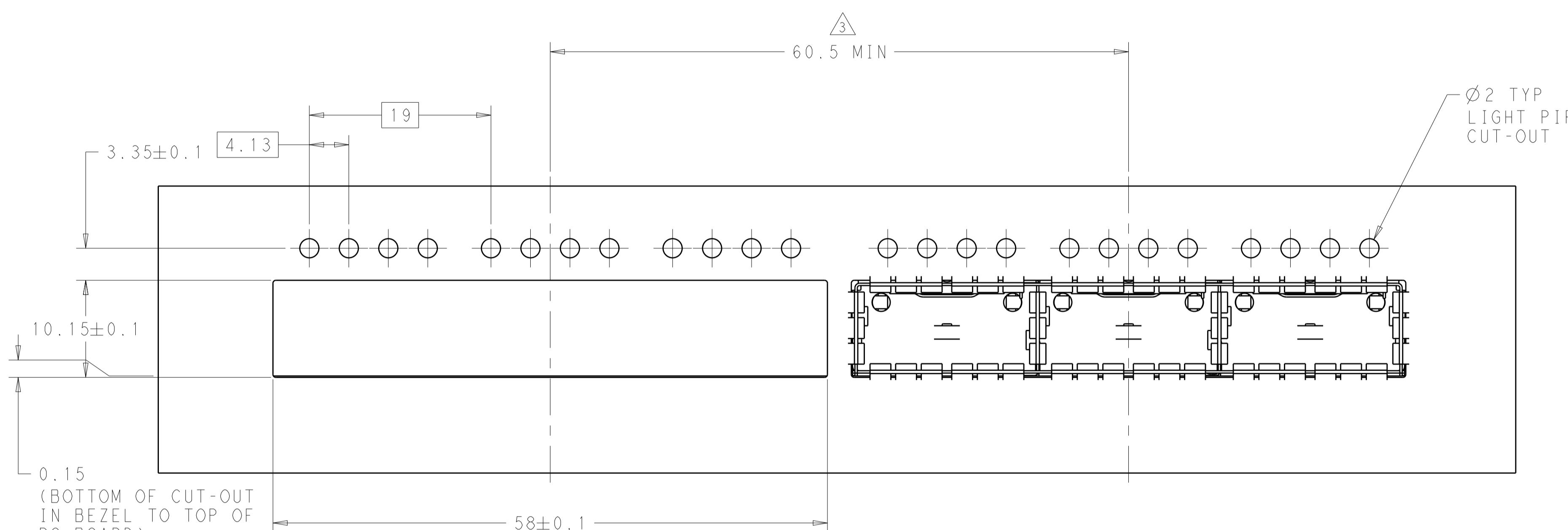
TE Connectivity

1X3 CAGE ASSEMBLY, THRU BEZEL

SPRING FINGER, HEAT SINK, QSFP

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRAWN Robert Gan	21MAY2014	NAME TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:			
0 PLC		±0.25			
1 PLC		±0.20			
2 PLC		±0.15		PRODUCT SPEC 108-2286	
3 PLC		±0.10		APPLICATION SPEC 114-13217	
4 PLC		±0.05		WEIGHT -	
MATERIAL	FINISH	ANGLES	REV	SIZE CAGE CODE DRAWING NO. RESTRICTED TO	
▲	▲	▲	1	A1 100779 C=2057001	
Customer Drawing		SCALE 4:1	SHEET 1 OF 4	REV 1	

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DN
-	-	-	-	SEE SHEET 1	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-



THIS DRAWING IS A CONTROLLED DOCUMENT.		DN	21MAY2014	TE Connectivity
CHK		APV	Marshall Chen	
DIMENSIONS:	mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME
		0 PLC	±:	1X3 CAGE ASSEMBLY, THRU BEZEL
		1 PLC	±0.25	SPRING FINGER, HEAT SINK, QSFP
		2 PLC	±0.20	-
		3 PLC	±:	-
		4 PLC	±:	-
		ANGLES	±:	-
MATERIAL	FINISH	114-13217	SIZE	CAGE CODE
		WEIGHT		DRAWING NO.
			A 1	00779 C=2057001
			Customer Drawing	RESTRICTED TO
				-

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P	LTR	REVISIONS			
		DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

RECOMMENDED PC BOARD LAYOUT  
SINGLE SIDE MOUNT CONFIGURATION  
TOLERANCE:  $\pm 0.05$

SEE DETAIL M

57.2 MAX

2X 19

3.4

3X 7.2

4 (Ø 1.05) A X Y

Ø 0.1 (S) A X Y

5.4

.55 ± 0.05 T (S) U (S)

X 4.5

12X Ø OF LED

6X (Ø 1.05) A REAR PIN HOLES

SEE DETAIL J

1

2.21

4.13

11.3 MAX

10.3 MAX

30.1

3X 9

4.5

1 MIN

3X 1.1

3X 17.9

3X 19

59 MIN

20X (Ø 1.05) A Ø 0.1 (M) A T (S) U (S)

3.4 MIN 3 Ø OF FINAL ROW OF HOLES TO Ø OF FIRST ROW OF HOLES FOR NEXT ADJACENT CAGE

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

0.1 MAX

0.1 MAX

38X 0.35 ± 0.03 Ø Ø 0.05 (S) A T (S) U (S)

38X 1.8 ± 0.03 Ø Ø 0.05 (L) A T (S) U (S)

1

0.4

0.8

2.5

5.18

3.05 MAX

1.69 MAX

0.89 MIN

15.02 MAX

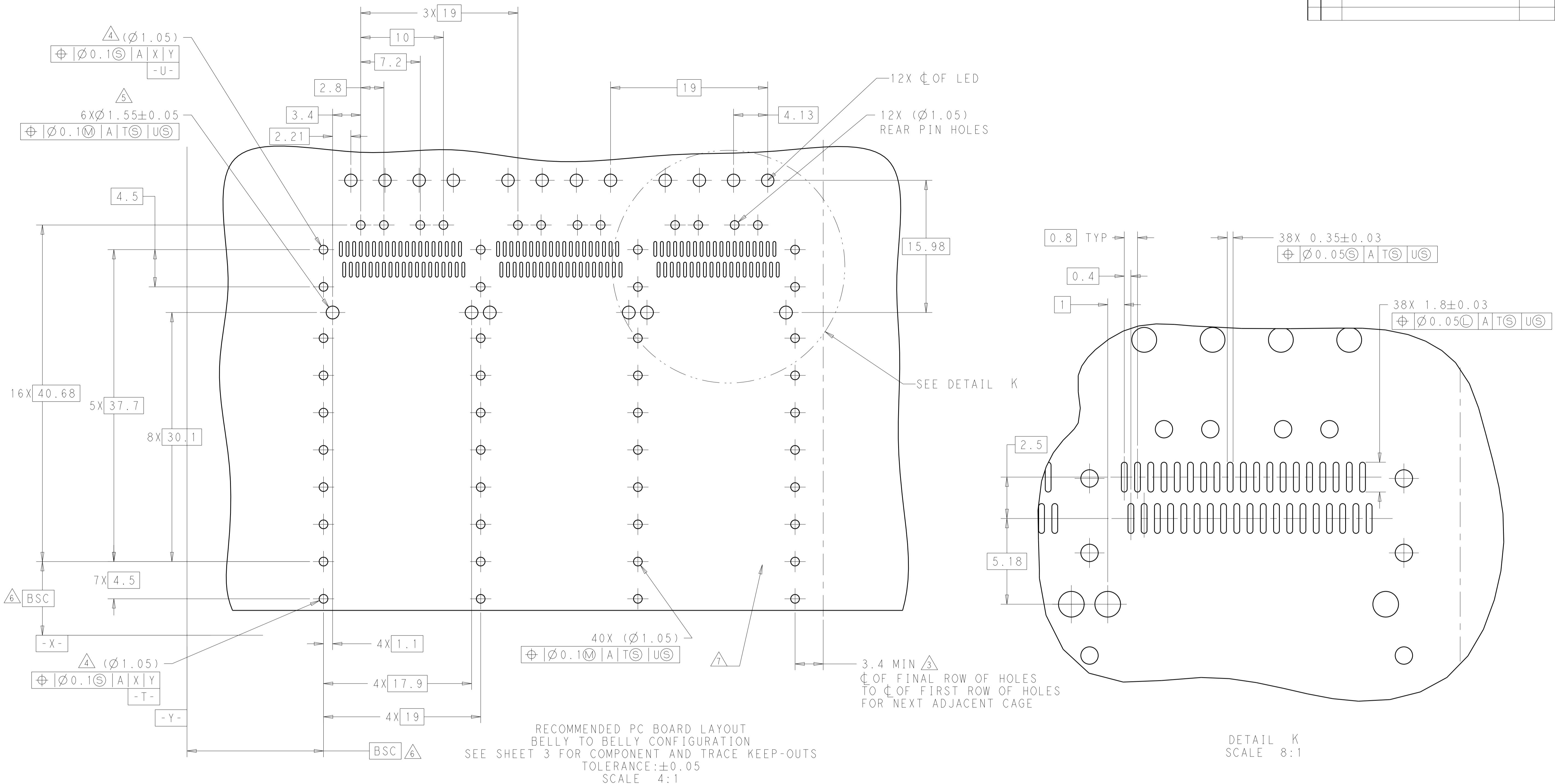
SEE DETAIL M  
SCALE 8:1

DETAIL J  
SCALE 8:1

RECOMMENDED PC BOARD LAYOUT  
SINGLE SIDE MOUNT CONFIGURATION  
TOLERANCE:  $\pm 0.05$   
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Robert Gan CHK	21MAY2014	 TE Connectivity
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X3 CAGE ASSEMBLY, THRU BEZEL SPRING FINGER, HEAT SINK, QSFP -
		0 PLC	±-	
		1 PLC	±0.25	21MAY2014
		2 PLC	±0.20	PRODUCT SPEC 108-2286
		3 PLC	±-	APPLICATION SPEC 114-13217
		4 PLC	±-	
ANGLES		±-		
MATERIAL		FINISH	WEIGHT	SIZE CAGE CODE DRAWING NO A1 00779 C-2057001
		-	-	RESTRICTED TO -
		-	-	
		Customer Drawing		SCALE 4:1 SHEET 2 OF 4 REV 1

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DNW
SEE SHEET 1						



THIS DRAWING IS A CONTROLLED DOCUMENT.		DRAWN 21MAY2014 Robert Gan		APV0 Marshall Chen		NAME 1X3 CAGE ASSEMBLY, THRU BEZEL SPRING FINGER, HEAT SINK, QSFP	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK 21MAY2014		APV0 108-2286	
MATERIAL	FINISH	0 PLC	1 PLC	2 PLC	3 PLC	4 PLC	APPLICATION SPEC 114-13217
		± $0.25$	± $0.20$	± $0.20$	± $0.20$	± $0.20$	WEIGHT A 100779 C=2057001

Customer Drawing  
SCALE 4:1 SHEET 4 OF 4 REV 1