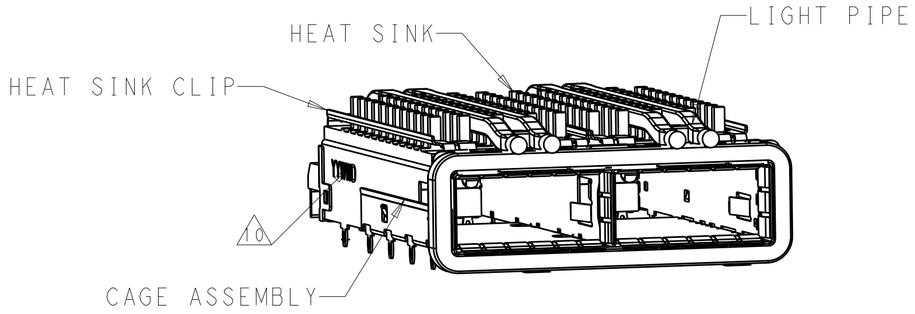
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE	09NOV2016	JY	SH



2-2170814-2 AS SHOWN
SCALE 2:1

1. COMPONENTS
   CAGE ASSEMBLY: NICKEL-SILVER ALLOY
   HEAT SINK: ALUMINUM/BLACK ANODIZE
   HEAT SINK CLIP: STAINLESS STEEL
   EMI SPRING: COPPER ALLOY/NICKEL PLATE
   LIGHT PIPE: CLEAR POLYCARBONATE
   GASKET: PLATED FILLED SILICONE

△2 REFERENCE APPLICATION SPECIFICATION 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS

△3 DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER

△4 DIMENSION APPLIES WITH MODULE INSERTED IN CAGE

5. HEAT SINKS, HEAT SINK CLIPS AND LIGHT PIPES ARE SHIPPED ASSEMBLED ON CAGE

6. MINIMUM PC BOARD THICKNESS: SINGLE SIDED: 1.57 MIN
   DOUBLE SIDED: 3.00 MIN

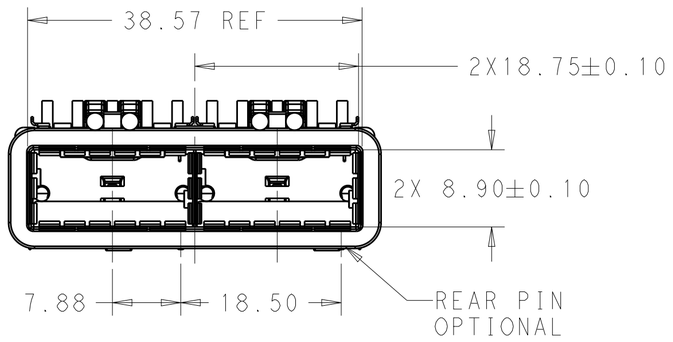
7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.

△8 THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.

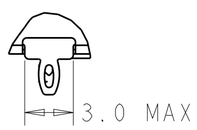
9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

△10 DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.

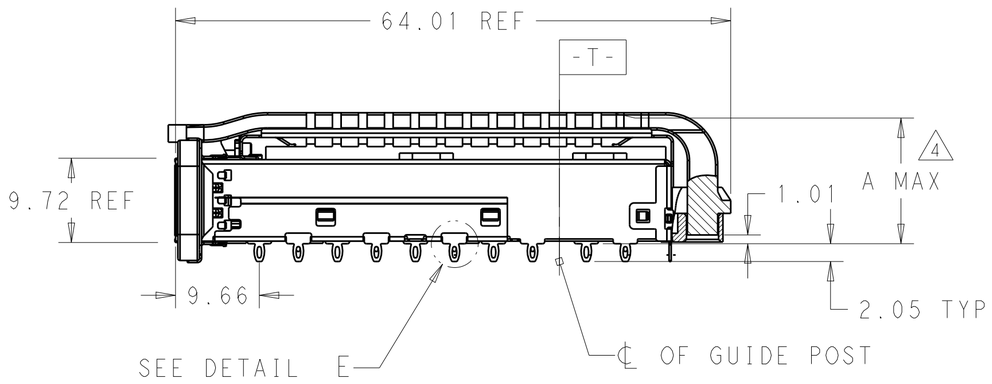
△11 NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.



SCALE 2:1



DETAIL E
SCALE 4:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 16SEP2014 BING LIU	TE Connectivity
		CHK 16SEP2014 JASON YANG	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±-	APVD 09NOV2016 SEAN HAN	NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET
		PRODUCT SPEC 108-19428	
		APPLICATION SPEC 114-32023	SIZE A2 / CAGE CODE 00779 / DRAWING NO C-2170814 / RESTRICTED TO -
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	CUSTOMER DRAWING / SCALE 1:1 / SHEET 1 OF 9 / REV A

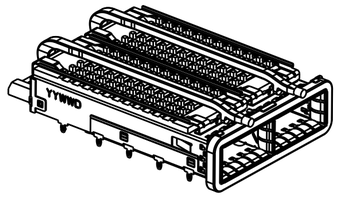
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST

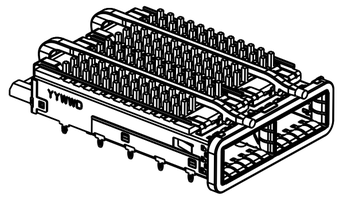
REVISIONS

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

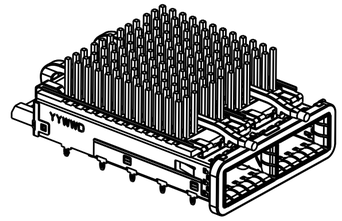
HEAT SINK OPTION



PCI HEAT SINK HEIGHT
SCALE 1:1

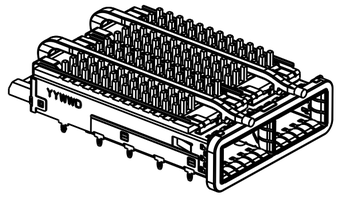


SAN HEAT SINK HEIGHT
SCALE 1:1

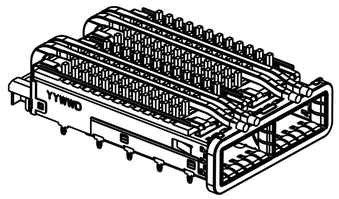


NETWORKING HEAT SINK HEIGHT
SCALE 1:1

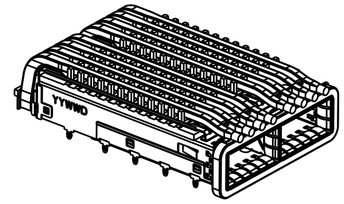
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 1:1

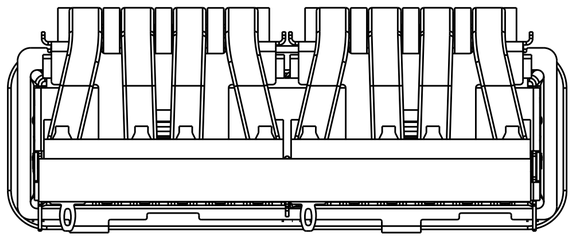


DUAL LIGHT PIPE
SCALE 1:1

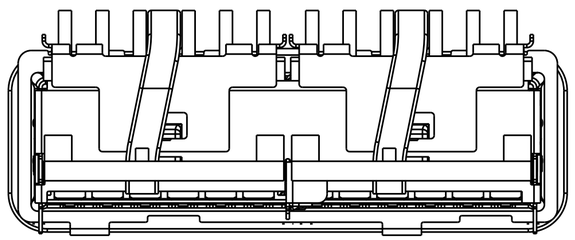


QUAD LIGHT PIPE
SCALE 1:1

OF REAR PIN OPTION



1 REAR PIN
SCALE 3:1



0 REAR PIN
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL: SEE NOTES material_2

FINISH: SEE NOTES finish_spec_2

DWN BING LIU 16SEP2014
CHK JASON YANG 16SEP2014
APVD SEAN HAN 09NOV2016
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170814	-

SCALE 1:1 SHEET 2 OF 9 REV A

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST

REVISIONS

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

# OF REAR PIN	DIM A	APPLICATION	LIGHT PIPE OPTION	PART NUMBER
0	23.0	NETWORKING	QUAD	4-2170814-6
0	16.0	SAN	QUAD	4-2170814-5
0	13.7	PCI	QUAD	4-2170814-4
1	23.0	NETWORKING	QUAD	4-2170814-3
1	16.0	SAN	QUAD	4-2170814-2
1	13.7	PCI	QUAD	4-2170814-1
0	23.0	NETWORKING	DUAL	2-2170814-6
0	16.0	SAN	DUAL	2-2170814-5
0	13.7	PCI	DUAL	2-2170814-4
1	23.0	NETWORKING	DUAL	2-2170814-3
1	16.0	SAN	DUAL	2-2170814-2
1	13.7	PCI	DUAL	2-2170814-1
0	23.0	NETWORKING	SINGLE	2170814-6
0	16.0	SAN	SINGLE	2170814-5
0	13.7	PCI	SINGLE	2170814-4
1	23.0	NETWORKING	SINGLE	2170814-3
1	16.0	SAN	SINGLE	2170814-2
1	13.7	PCI	SINGLE	2170814-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL: SEE NOTES material_2

FINISH: SEE NOTES finish_spec_2

DWN BING LIU 16SEP2014
CHK JASON YANG 16SEP2014
APVD SEAN HAN 09NOV2016

PRODUCT SPEC: 108-19428
APPLICATION SPEC: 114-32023
WEIGHT: -

CUSTOMER DRAWING

TE Connectivity

NAME: RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170814	-

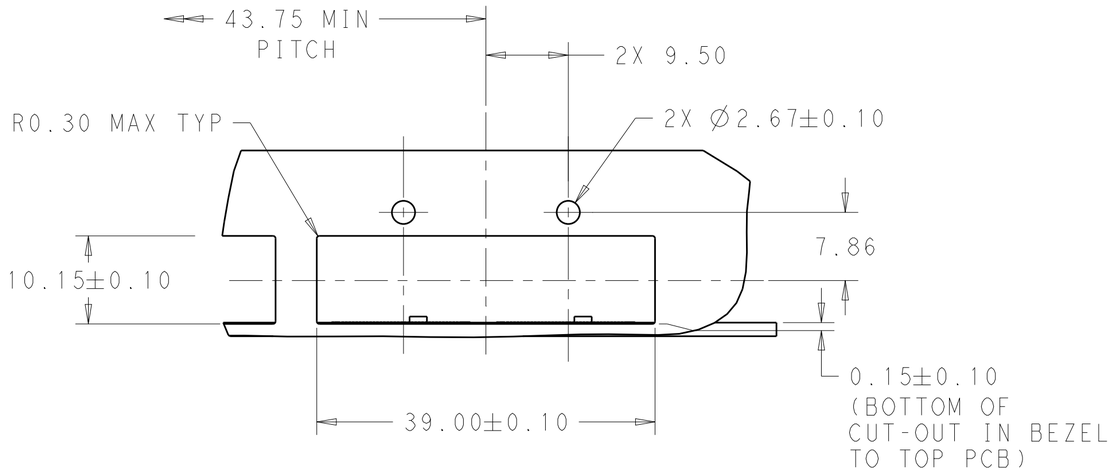
SCALE 1:1 SHEET 3 OF 9 REV A

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

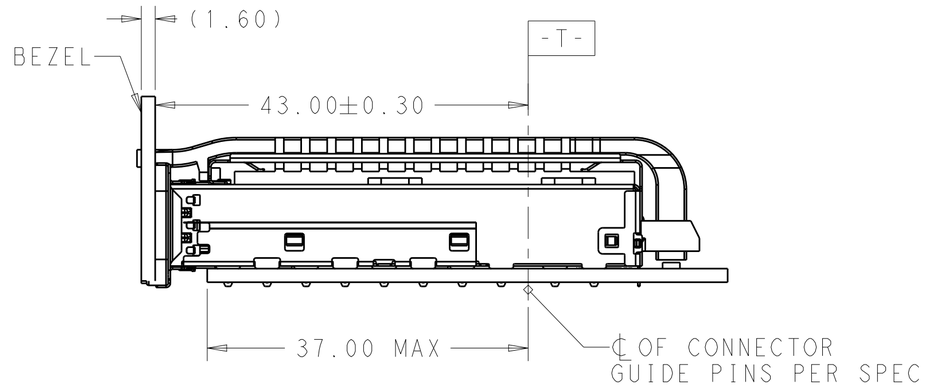
LOC	DIST

REVISIONS

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

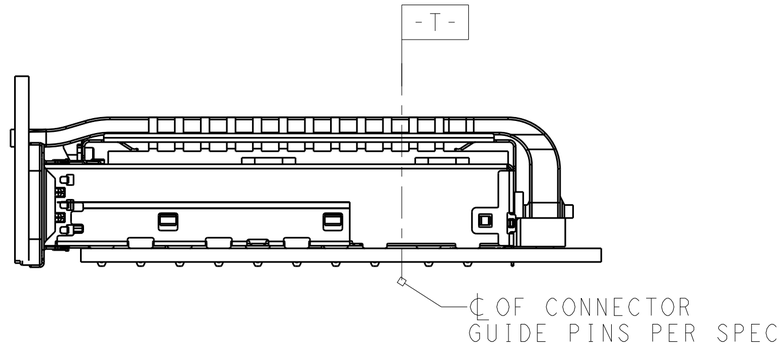


CAGE ASSEMBLY IS OMITED



SINGLE SIDE MOUNTING
SCALE 2:1

CAGE ASSEMBLY IS OMITED



SINGLE SIDE MOUNTING
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL: SEE NOTES material_2
FINISH: SEE NOTES finish_spec_2

DWN 16SEP2014 BING LIU
CHK 16SEP2014 JASON YANG
APVD 09NOV2016 SEAN HAN
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170814	-

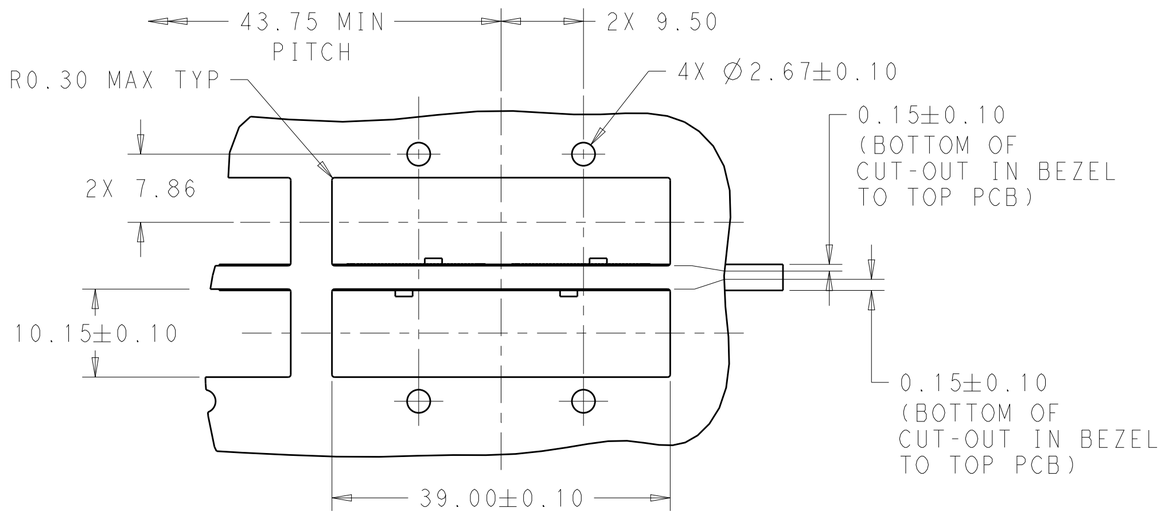
CUSTOMER DRAWING | SCALE 1:1 | SHEET 4 OF 9 | REV A

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

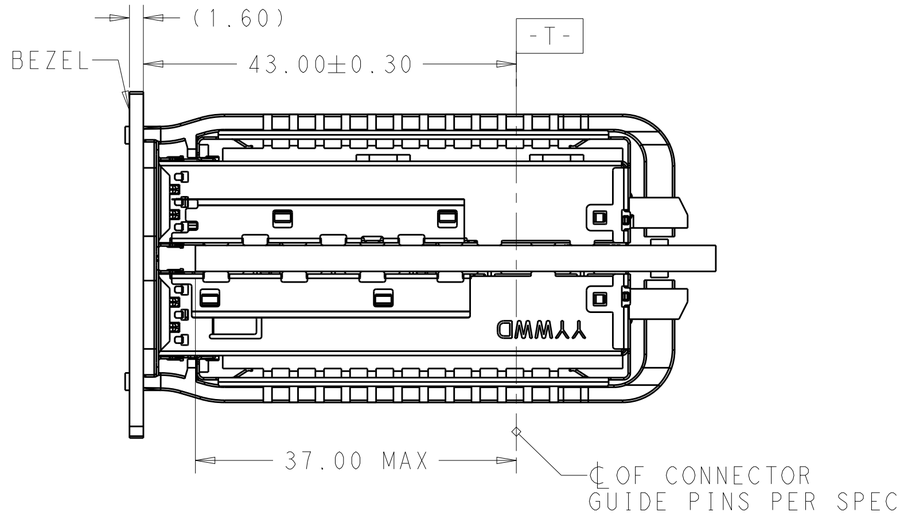
LOC	DIST

REVISIONS

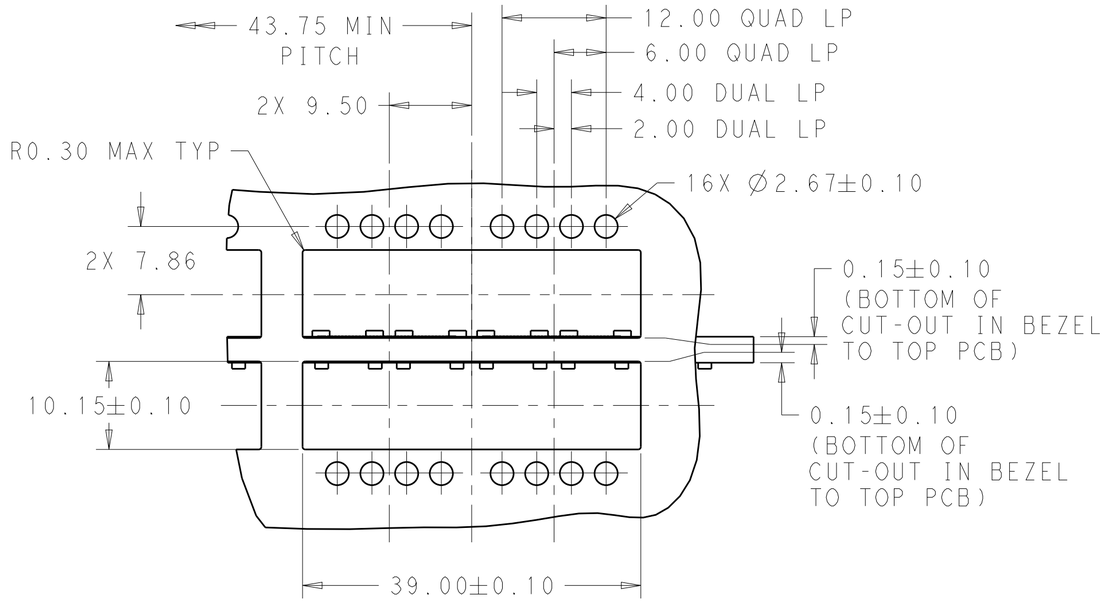
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



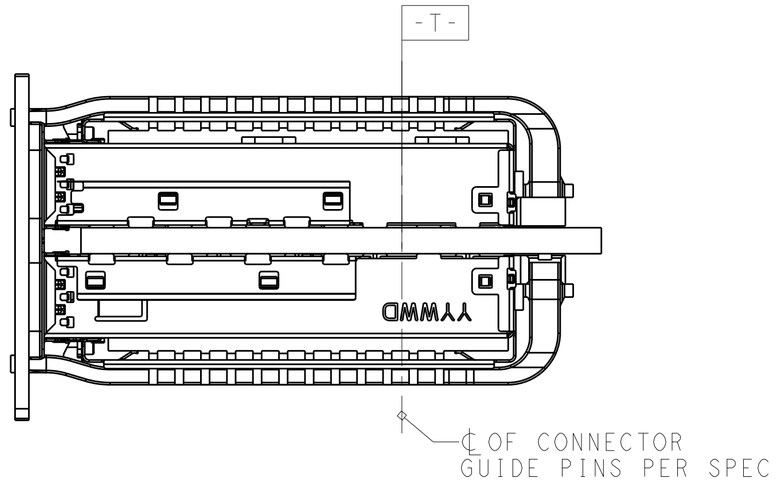
CAGE ASSEMBLY IS OMITED



BELLY TO BELLY MOUNTING
SCALE 2:1



CAGE ASSEMBLY IS OMITED



BELLY TO BELLY MOUNTING
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL: SEE NOTES material_2
FINISH: SEE NOTES finish_spec_2

DWN 16SEP2014 BING LIU
CHK 16SEP2014 JASON YANG
APVD 09NOV2016 SEAN HAN
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME: RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170814	-

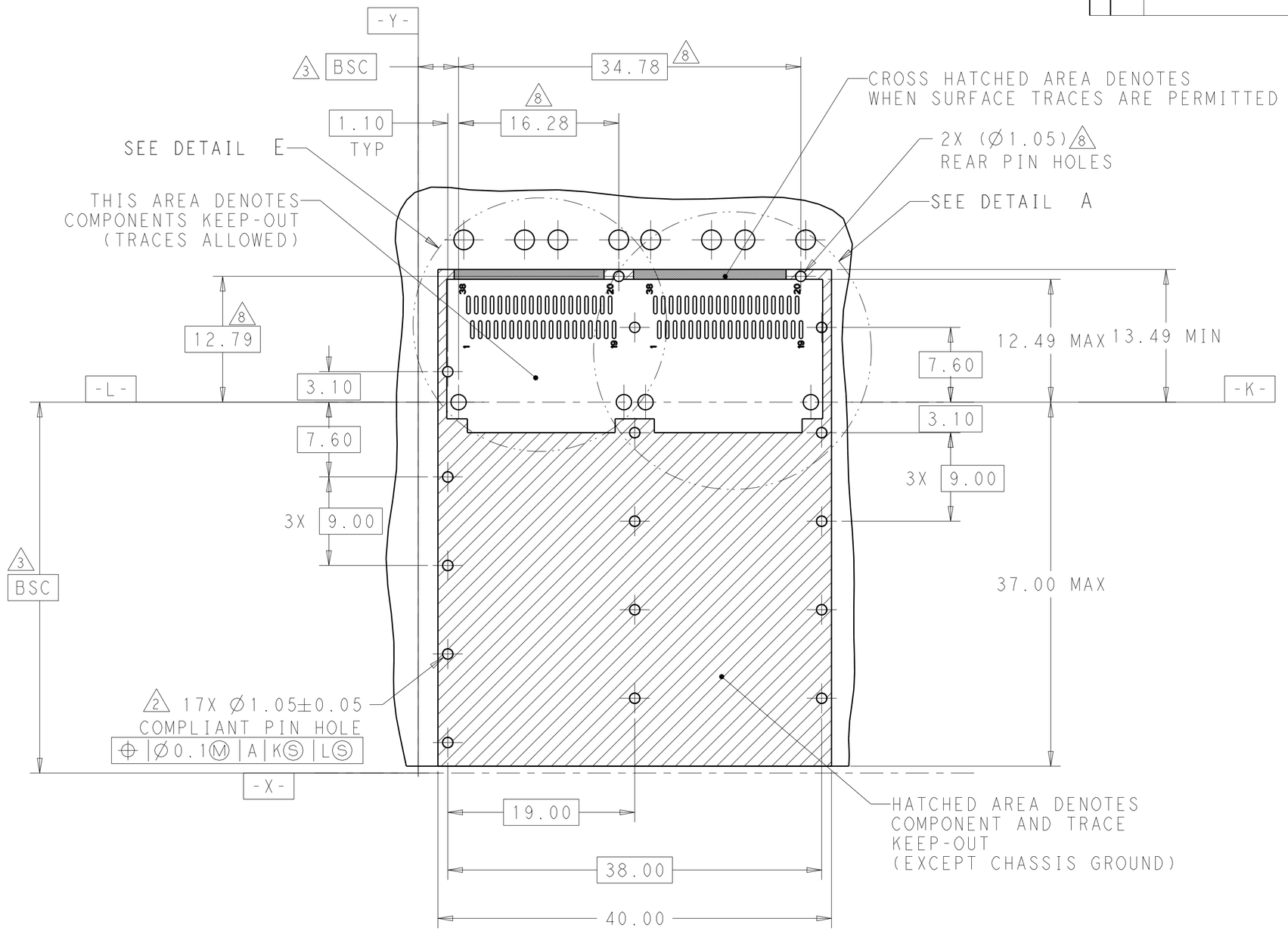
CUSTOMER DRAWING | SCALE 1:1 | SHEET 5 OF 9 | REV A

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST

REVISIONS

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



RECOMMENDED PCB LAYOUT
SINGLE TYPE
PCB TOLERANCE: ±0.05
SCALE 3:1

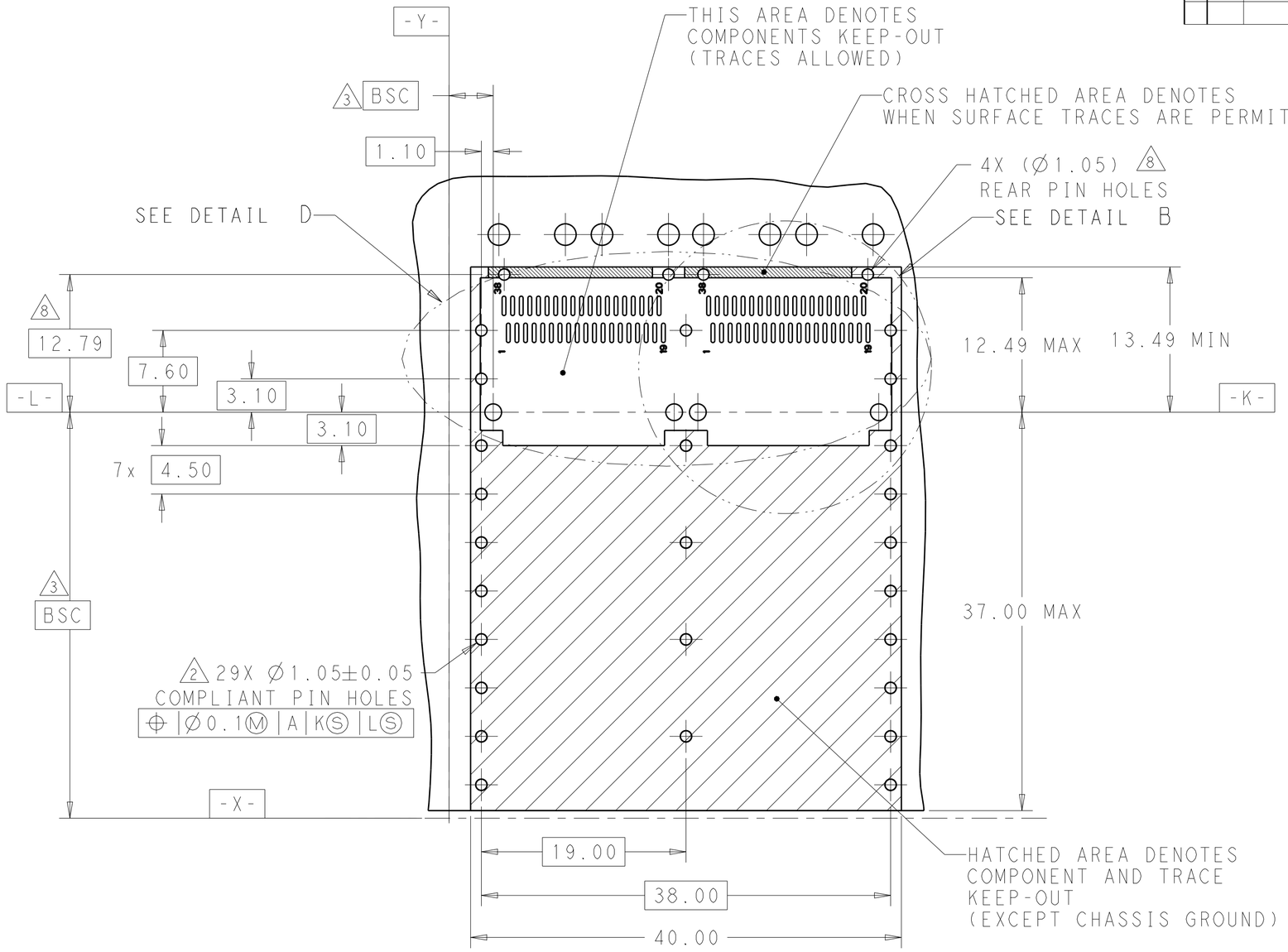
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 16SEP2014	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±-	CHK JASON YANG 16SEP2016	NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET
MATERIAL SEE NOTES material_2	FINISH SEE NOTES finish_spec_2	APVD SEAN HAN 09NOV2016	PRODUCT SPEC 108-19428
		APPLICATION SPEC 114-32023	SIZE A2 / CAGE CODE 00779 / DRAWING NO C-2170814 / RESTRICTED TO -
		WEIGHT -	CUSTOMER DRAWING / SCALE 1:1 / SHEET 6 OF 9 / REV A

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST

REVISIONS

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



RECOMMENDED PCB LAYOUT
BELLY TO BELLY TYPE
PCB TOLERANCE: ±0.05
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL: SEE NOTES material_2
FINISH: SEE NOTES finish_spec_2

DWN BING LIU 16SEP2014
CHK JASON YANG 16SEP2014
APVD SEAN HAN 09NOV2016
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME: RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170814	-

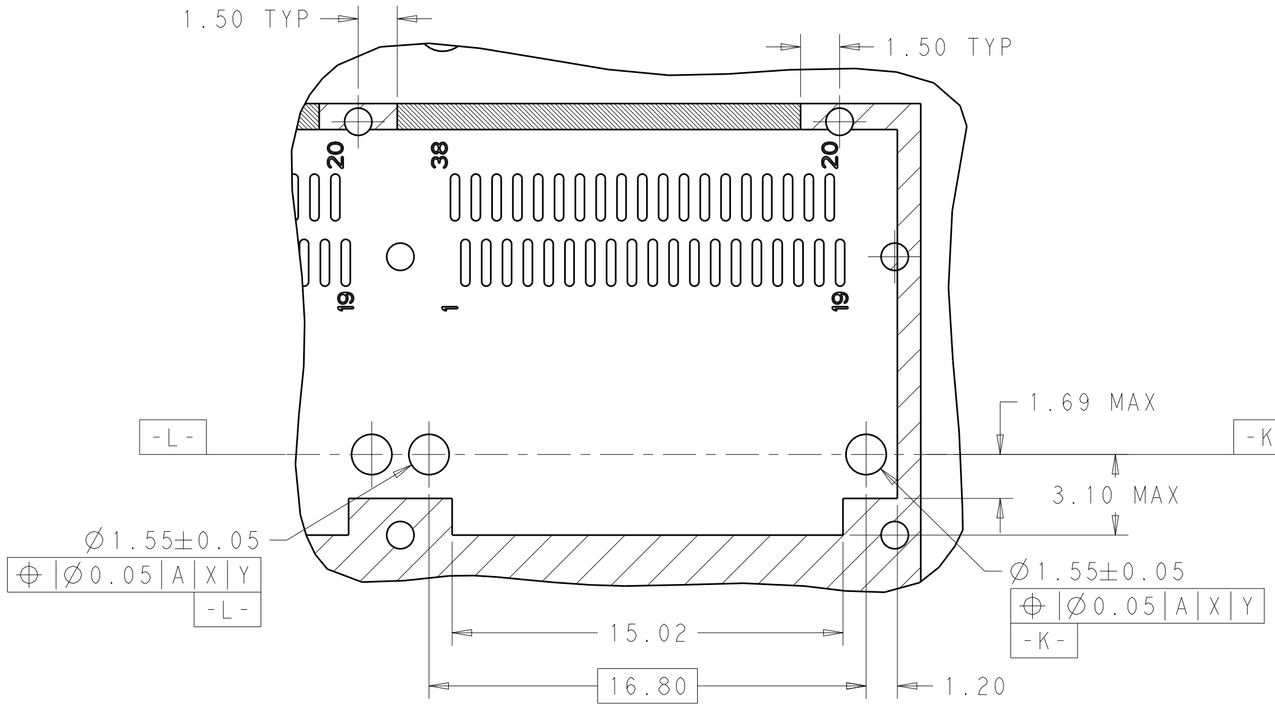
CUSTOMER DRAWING | SCALE 1:1 | SHEET 7 OF 9 | REV A

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

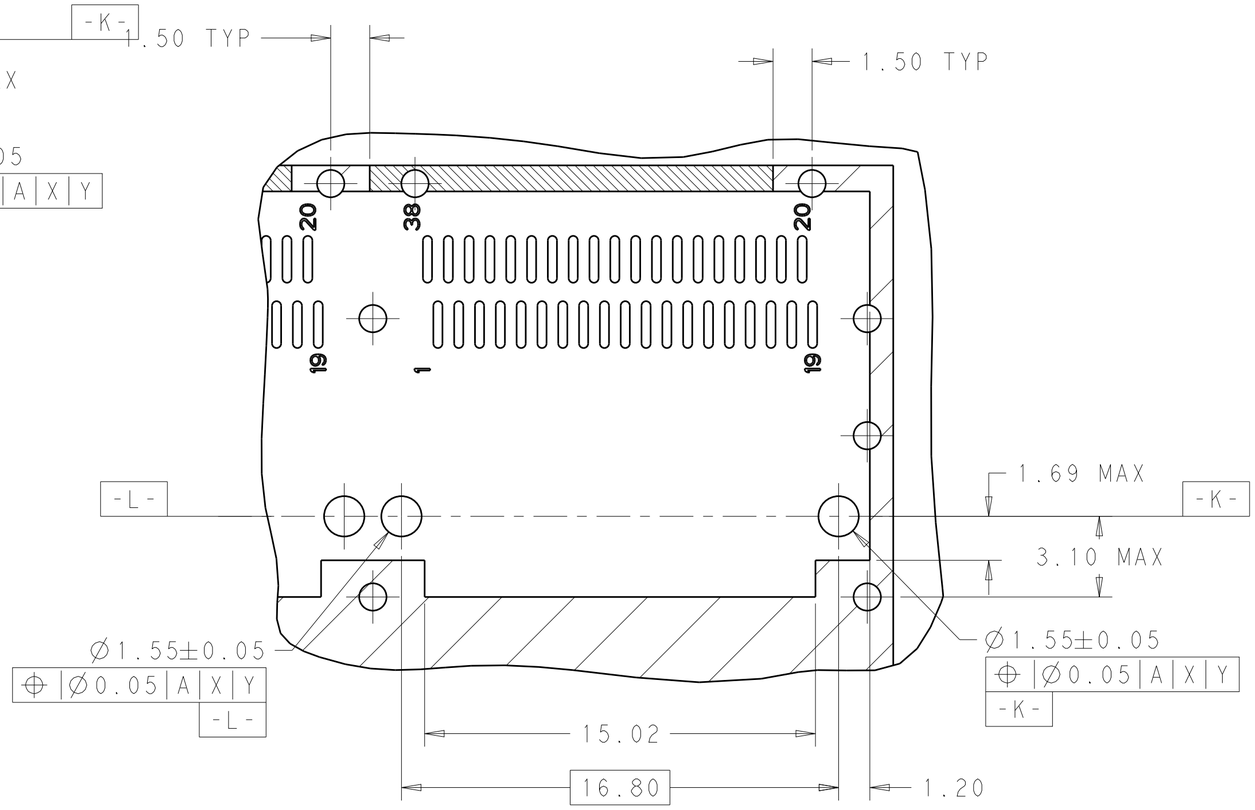
LOC	DIST

REVISIONS

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



DETAIL A
SCALE 6:1



DETAIL B
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL: SEE NOTES material_2
FINISH: SEE NOTES finish_spec_2

DWN BING LIU 16SEP2014
CHK JASON YANG 16SEP2014
APVD SEAN HAN 09NOV2016
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170814	-

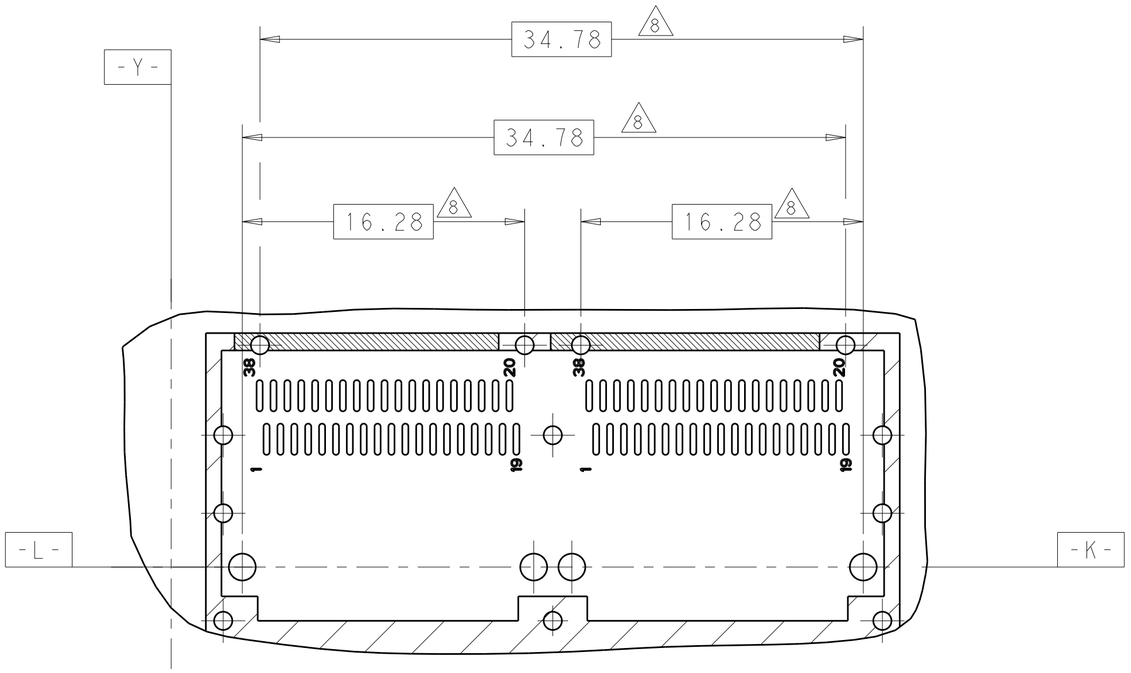
CUSTOMER DRAWING | SCALE 1:1 | SHEET 8 OF 9 | REV A

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

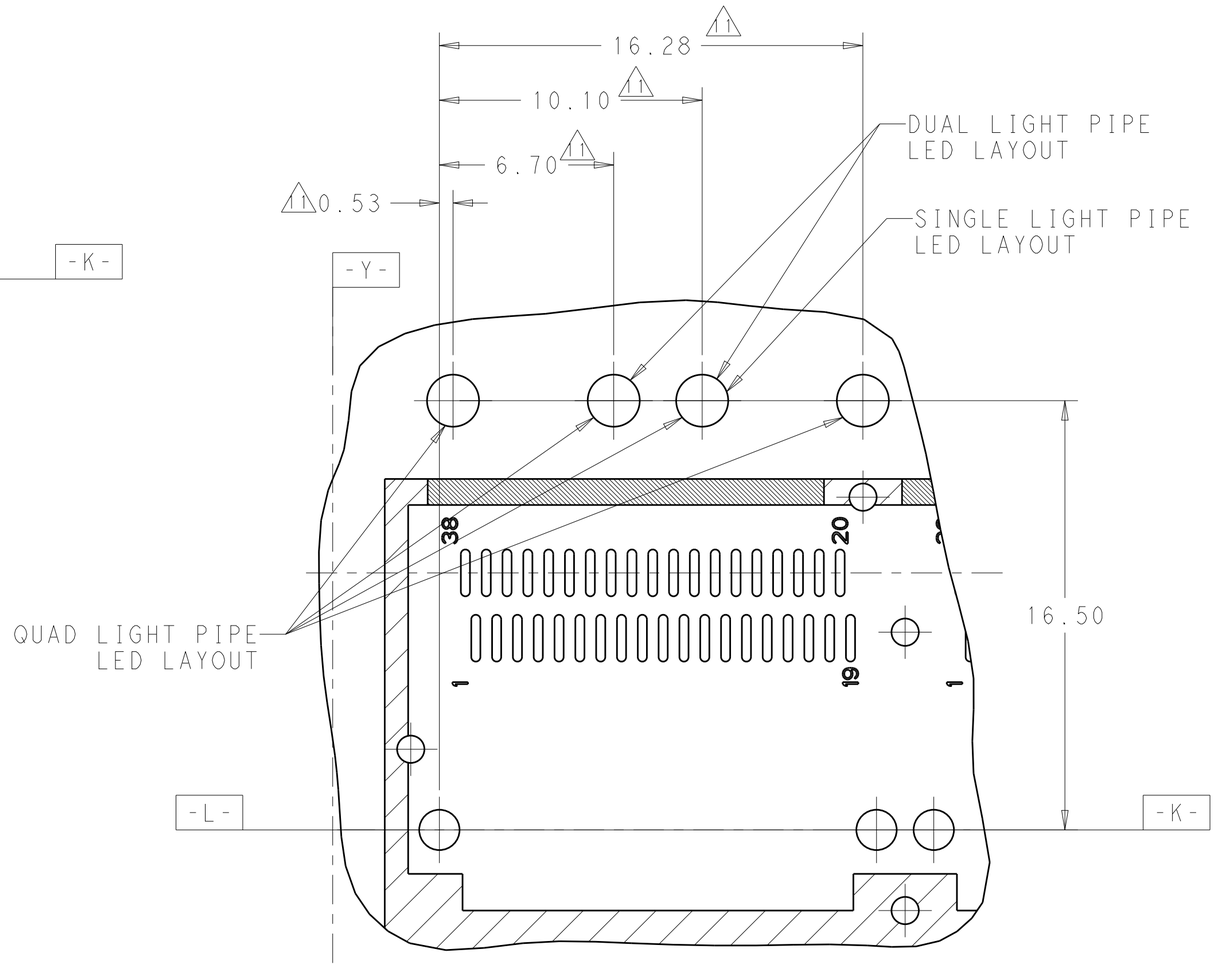
LOC	DIST

REVISIONS

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



DETAIL D
SCALE 4:1



DETAIL E
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL: SEE NOTES material_2
FINISH: SEE NOTES finish_spec_2

DWN 16SEP2014 BING LIU
CHK 16SEP2014 JASON YANG
APVD 09NOV2016 SEAN HAN
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X2, QSFP28, GASKET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170814	-

SCALE 1:1 SHEET 9 OF 9 REV A