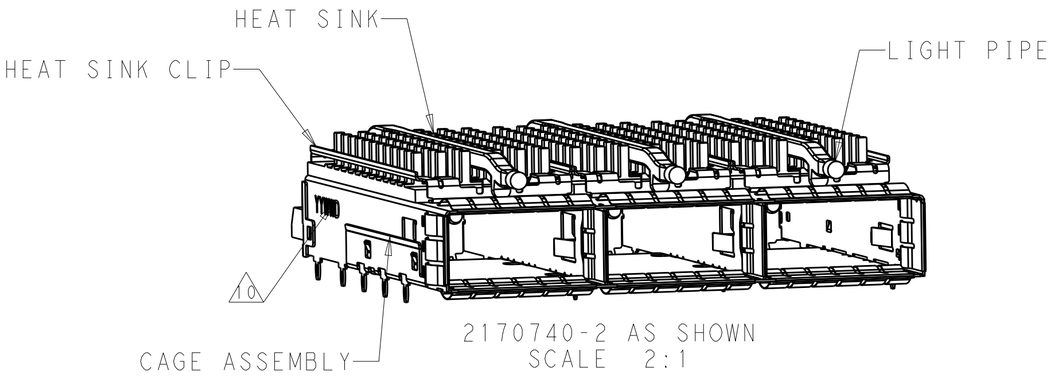
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE	01NOV2016	JY	SH



2170740-2 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
ORGANIZER: POLYESTER WITH UL 94V-0

△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: 2.20 MIN

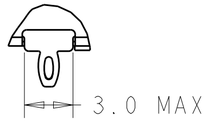
7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.

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

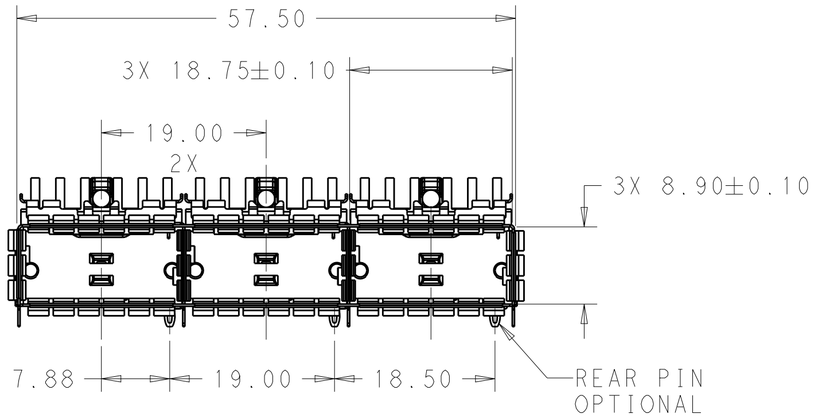
9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

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

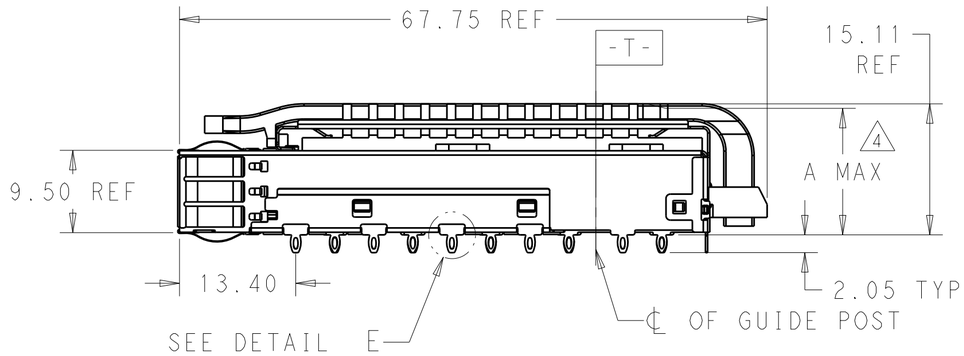
△11 NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.



DETAIL E
SCALE 4:1



SCALE 2:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 22APR2014	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 22APR2014	NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28
		APVD SEAN HAN 22FEB2016	
		PRODUCT SPEC 108-19428	
		APPLICATION SPEC 114-32023	SIZE A2 / CAGE CODE 00779 / DRAWING NO C-2170740 / RESTRICTED TO -
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	CUSTOMER DRAWING / SCALE 1:1 / SHEET 1 OF 9 / REV A

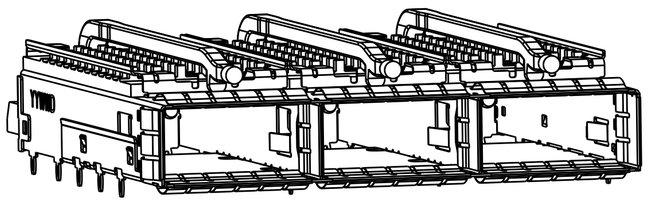
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST

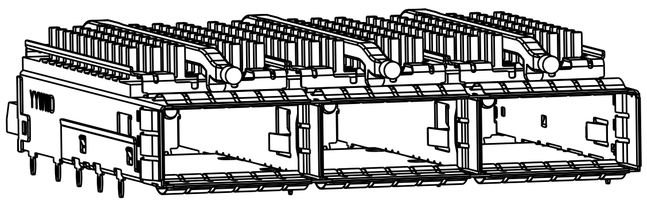
REVISIONS

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

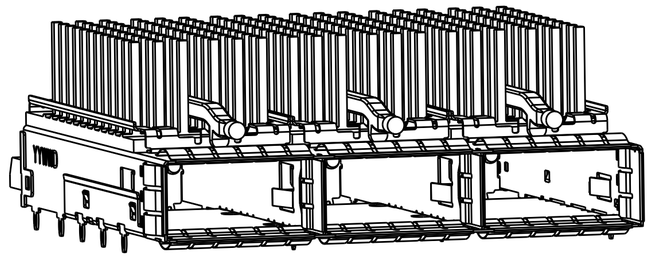
HEAT SINK OPTION



PCI HEAT SINK
SCALE 2:1

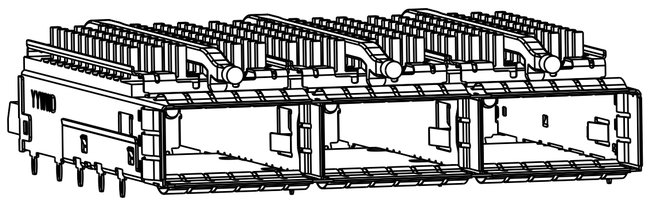


SAN HEAT SINK
SCALE 2:1

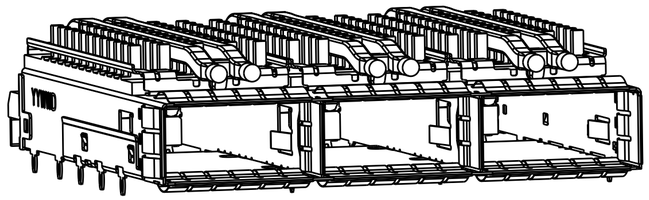


NETWORKING
SCALE 2:1

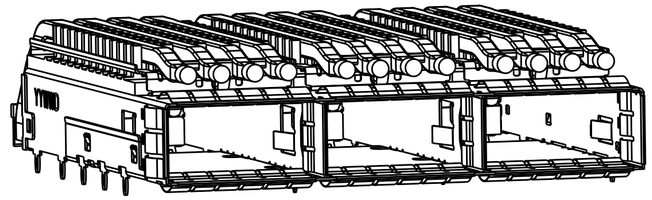
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 2:1

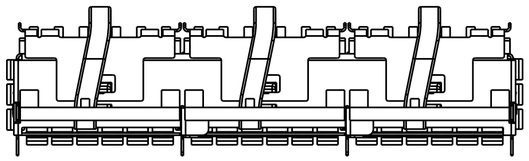


DUAL LIGHT PIPE
SCALE 2:1

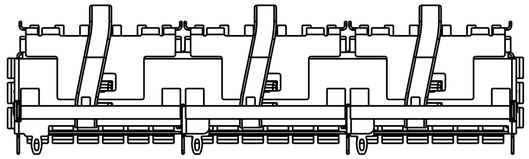


QUAD LIGHT PIPE
SCALE 2:1

OF REAR LEGS OPTIONS



0 REAR PIN
SCALE 2:1



1 REAR PIN
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 BING LIU 22APR2014
CHK JASON YANG 22APR2014
APVD SEAN HAN 22FEB2016
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, 1X3, QSFP28

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170740	-

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	-	-	-

DIM A	# OF REAR PIN	APPLICATION	LIGHT PIPE OPTION	PART NUMBER
16.0	1	SAN	COATED QUAD LP	5-2170740-2
13.7	1	PCI	COATED QUAD LP	5-2170740-1
14.9	1	CUSTOMIZED	QUAD LP	4-2170740-7
23.0	0	NETWORKING	QUAD LP	4-2170740-6
16.0	0	SAN	QUAD LP	4-2170740-5
13.7	0	PCI	QUAD LP	4-2170740-4
23.0	1	NETWORKING	QUAD LP	4-2170740-3
16.0	1	SAN	QUAD LP	4-2170740-2
13.7	1	PCI	QUAD LP	4-2170740-1
23.0	0	NETWORKING	DUAL LP	2-2170740-6
16.0	0	SAN	DUAL LP	2-2170740-5
13.7	0	PCI	DUAL LP	2-2170740-4
23.0	1	NETWORKING	DUAL LP	2-2170740-3
16.0	1	SAN	DUAL LP	2-2170740-2
13.7	1	PCI	DUAL LP	2-2170740-1
16.0	1	SAN	N/A	1-2170740-2
14.9	1	CUTOMIZED	SINGLE LP	1-2170740-1
23.0	0	NETWORKING	SINGLE LP	2170740-6
16.0	0	SAN	SINGLE LP	2170740-5
13.7	0	PCI	SINGLE LP	2170740-4
23.0	1	NETWORKING	SINGLE LP	2170740-3
16.0	1	SAN	SINGLE LP	2170740-2
13.7	1	PCI	SINGLE LP	2170740-1

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 22APR2014
CHK JASON YANG 22APR2014
APVD SEAN HAN 22FEB2016
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, 1X3, QSFP28

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170740	-

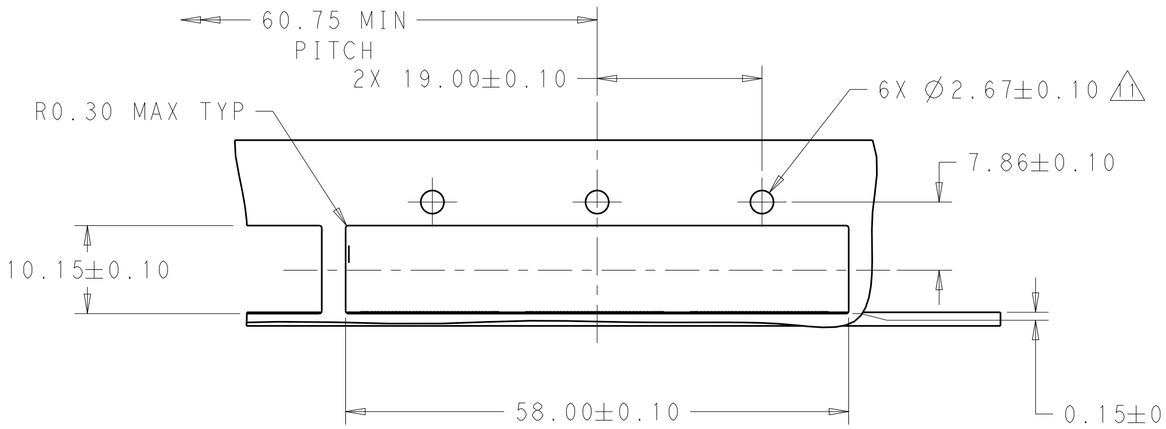
SCALE 1:1 SHEET 3 OF 9 REV A

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

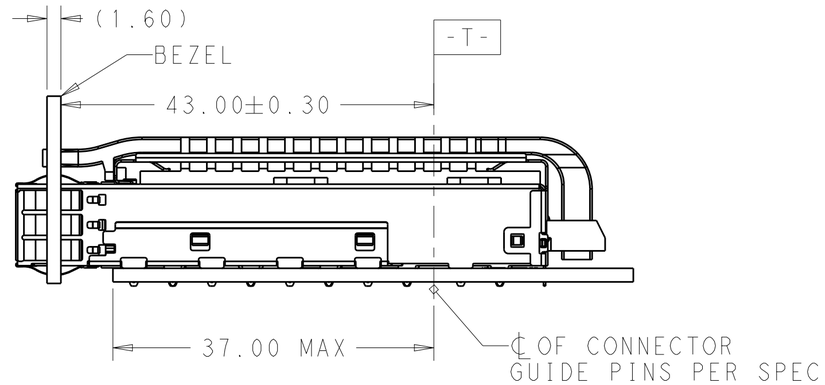
LOC	DIST

REVISIONS

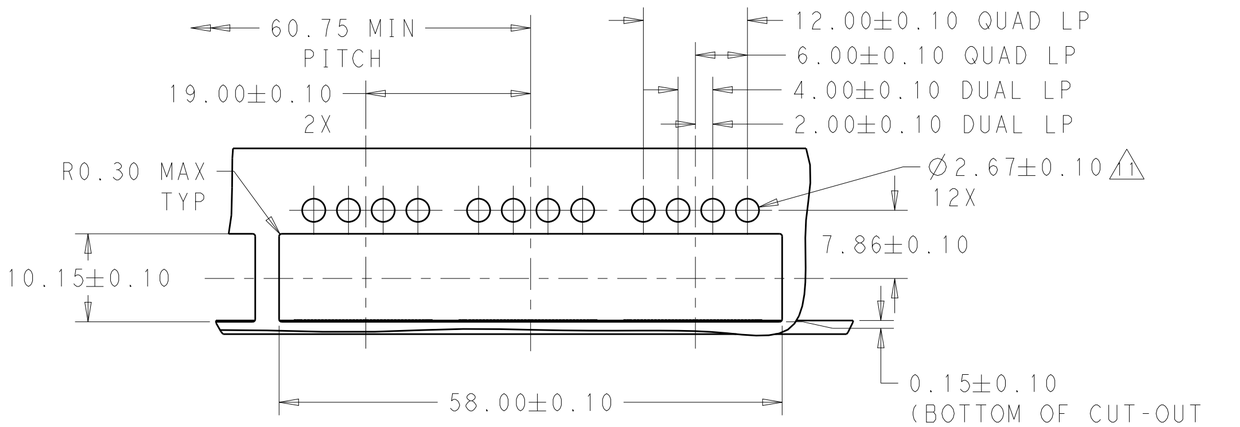
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

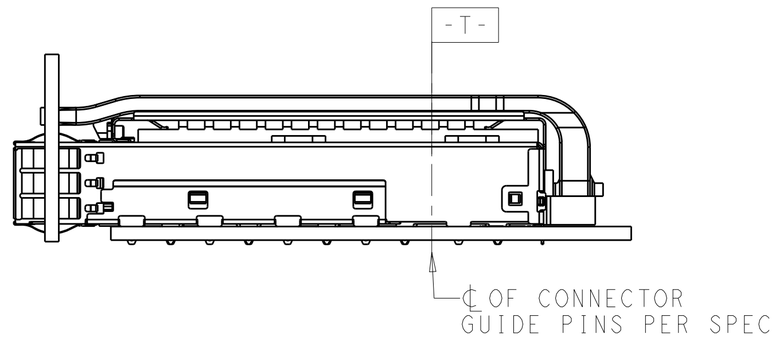


CAGE ASSEMBLY IS OMITED



SINGLE SIDE MOUNTING
SCALE 2:1





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 BING LIU 22APR2014
CHK JASON YANG 22APR2014
APVD SEAN HAN 22FEB2016
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, 1X3, QSFP28

SIZE	CAGE CODE	DRAWING NO.	RESTRICTED TO
A2	00779	C-2170740	-

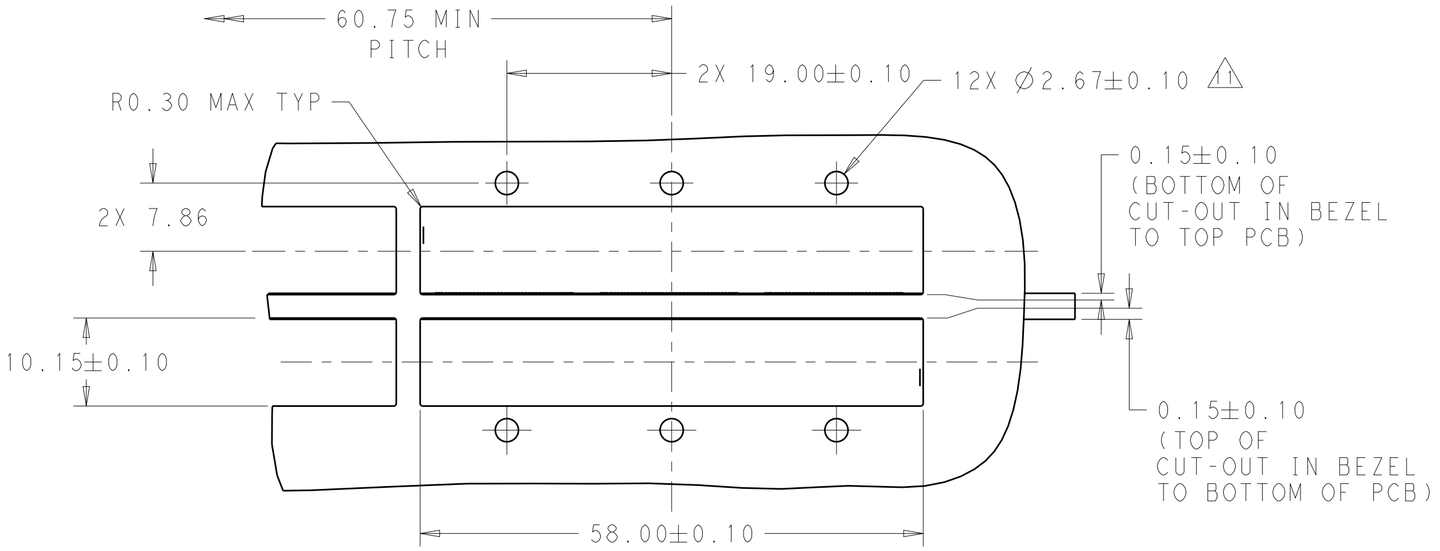
SCALE 1:1 SHEET 4 OF 9 REV A

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

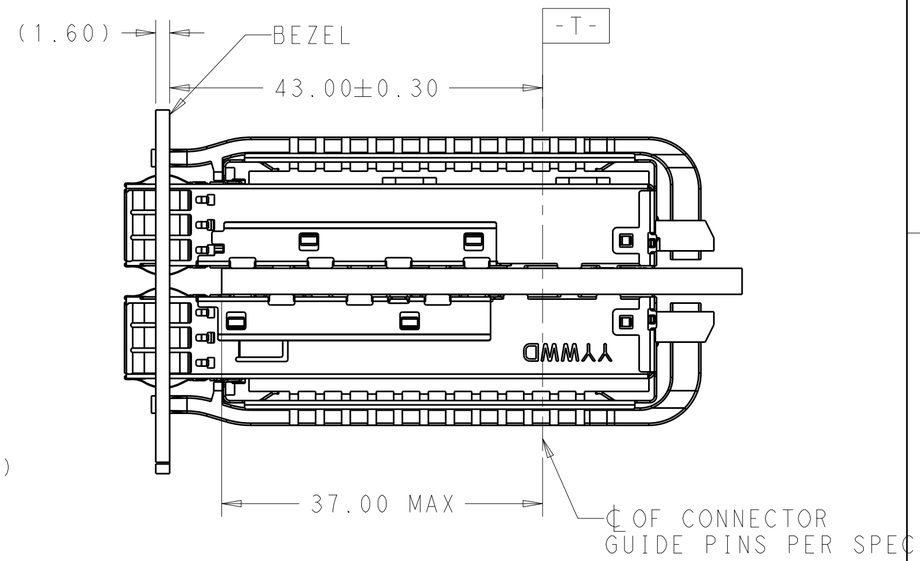
LOC	DIST

REVISIONS

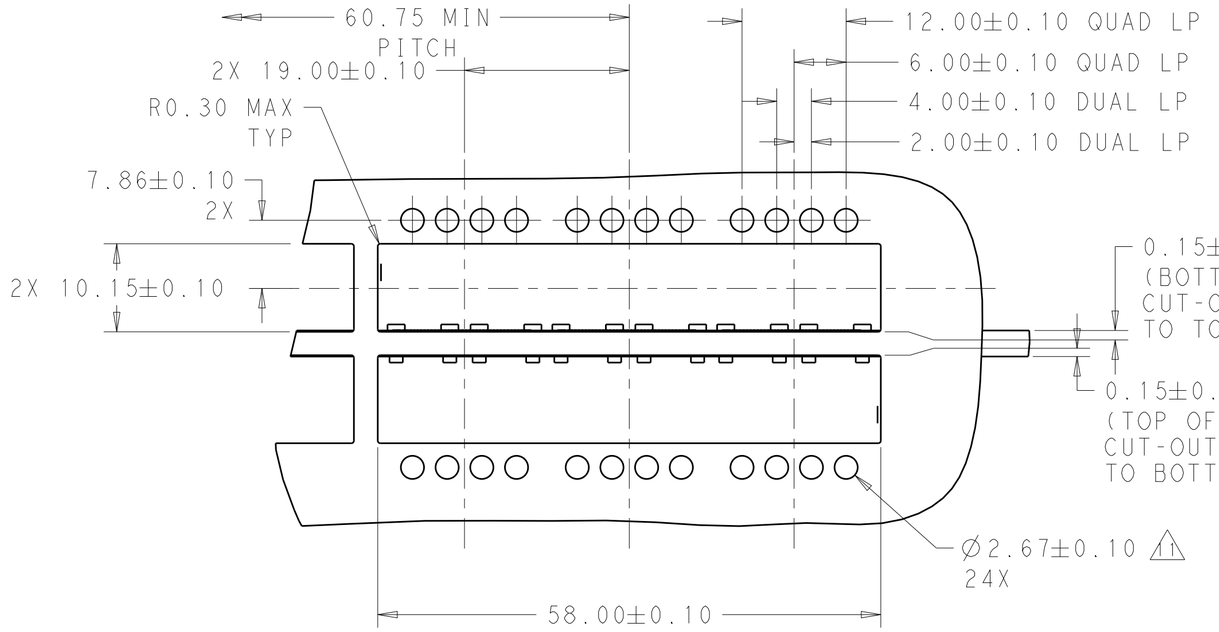
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



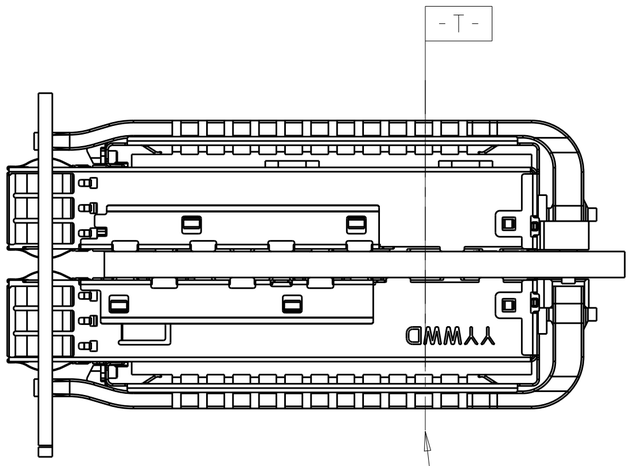
CAGE ASSEMBLY IS OMITED



BELLY TO BELLY MOUNTING
SCALE 2:1



CAGE ASSEMBLY IS OMITED



BELLY TO BELLY MOUNTING
SCALE 2:1

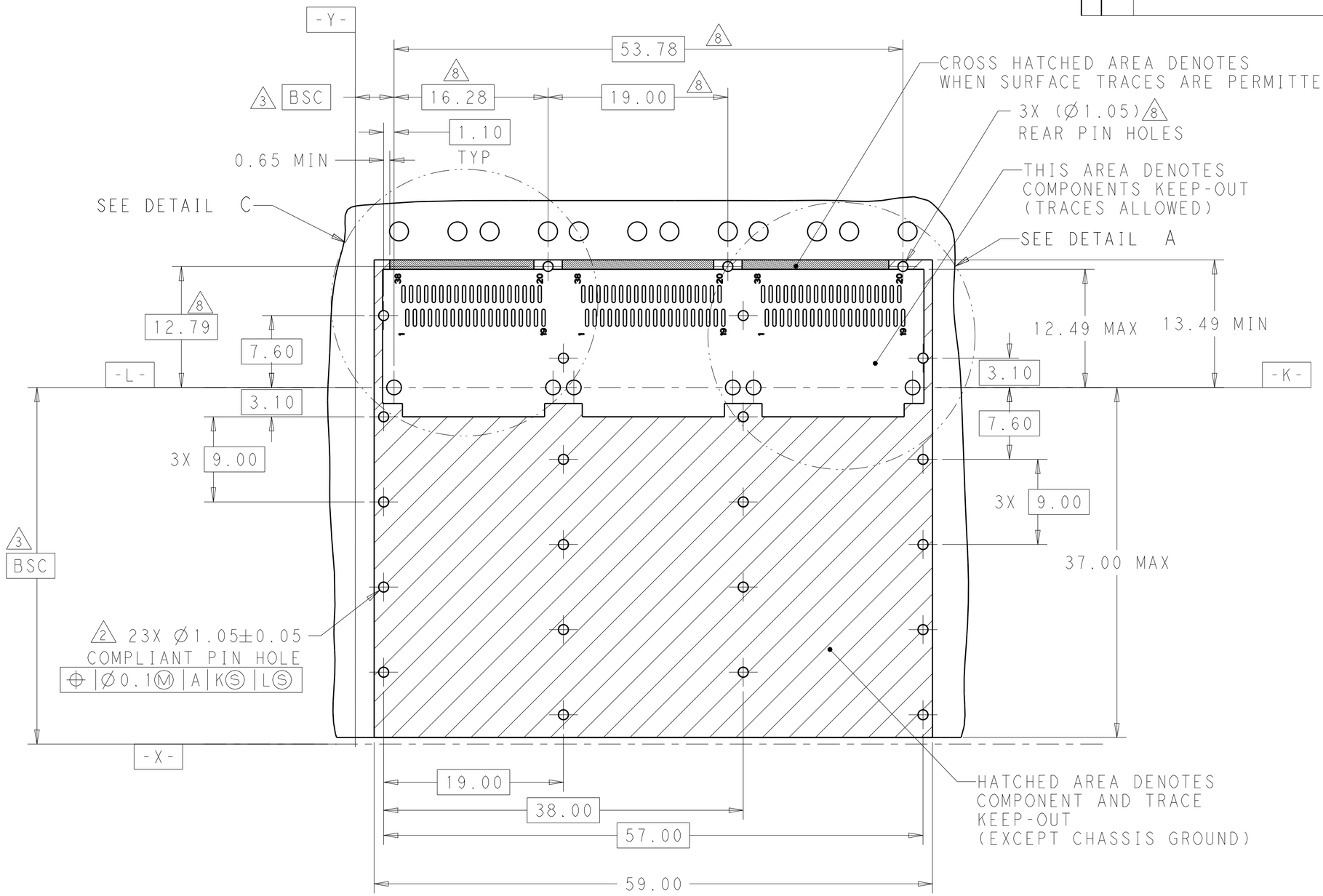
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 22APR2014	TE Connectivity
		CHK JASON YANG 22APR2014	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±-	APVD SEAN HAN 22FEB2016	NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28
		PRODUCT SPEC 108-19428	
		APPLICATION SPEC 114-32023	SIZE A2 / CAGE CODE 00779 / DRAWING NO C-2170740 / RESTRICTED TO -
MATERIAL SEE NOTES material_2	FINISH SEE NOTES finish_spec_2	WEIGHT -	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.

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 22APR2014
CHK JASON YANG 22APR2014
APVD SEAN HAN 22FEB2016
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170740	-

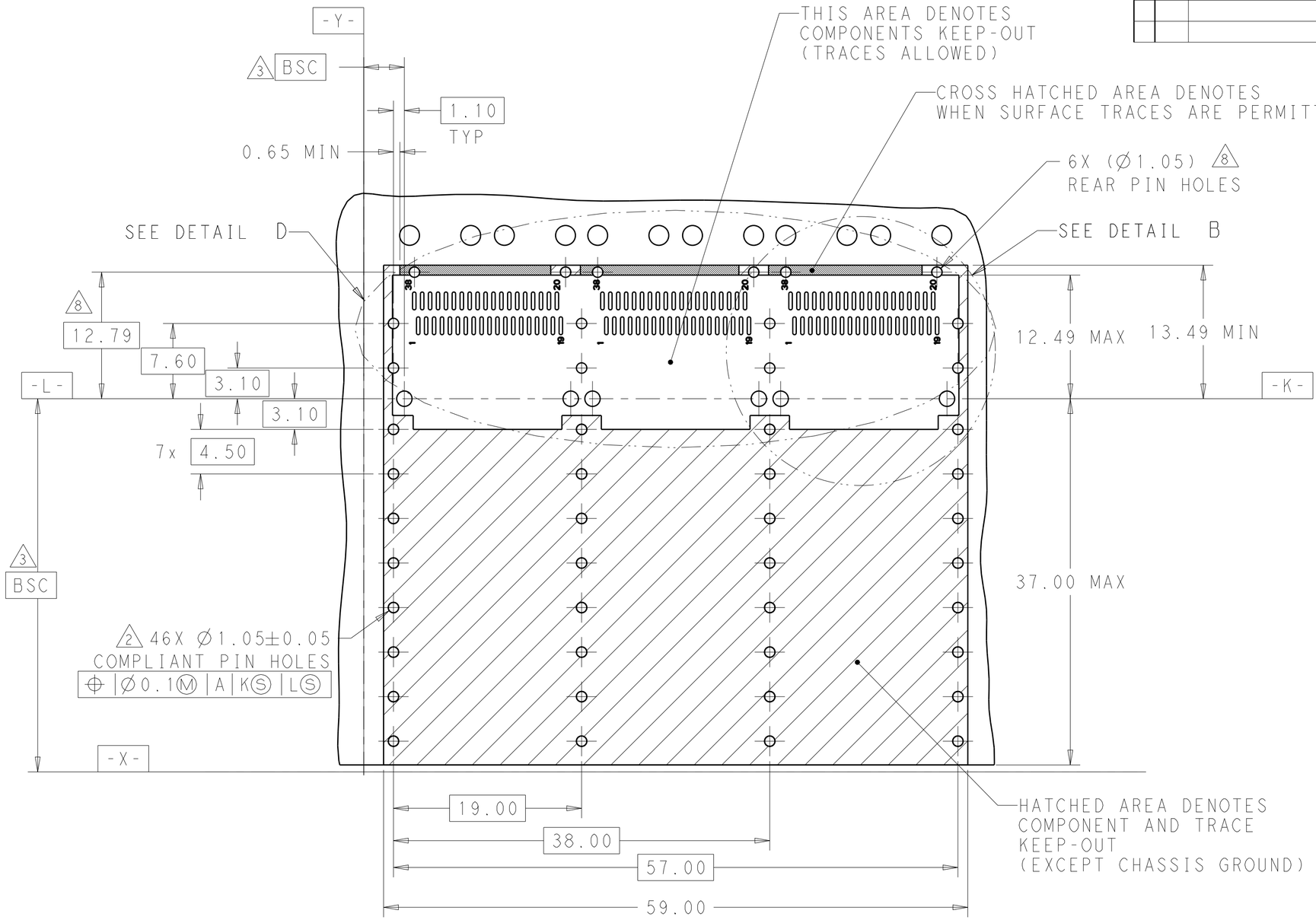
CUSTOMER DRAWING | SCALE 1:1 | SHEET 6 OF 9 | REV A

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 22APR2014
CHK JASON YANG 22APR2014
APVD SEAN HAN 22FEB2016
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170740	-

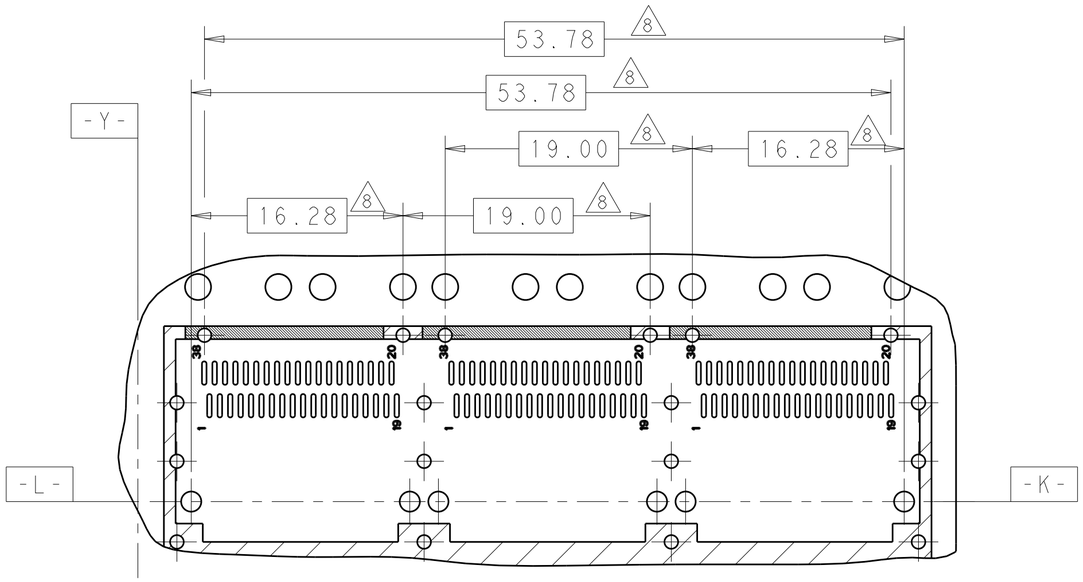
CUSTOMER DRAWING | SCALE 1:1 | SHEET 7 OF 9 | REV A

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

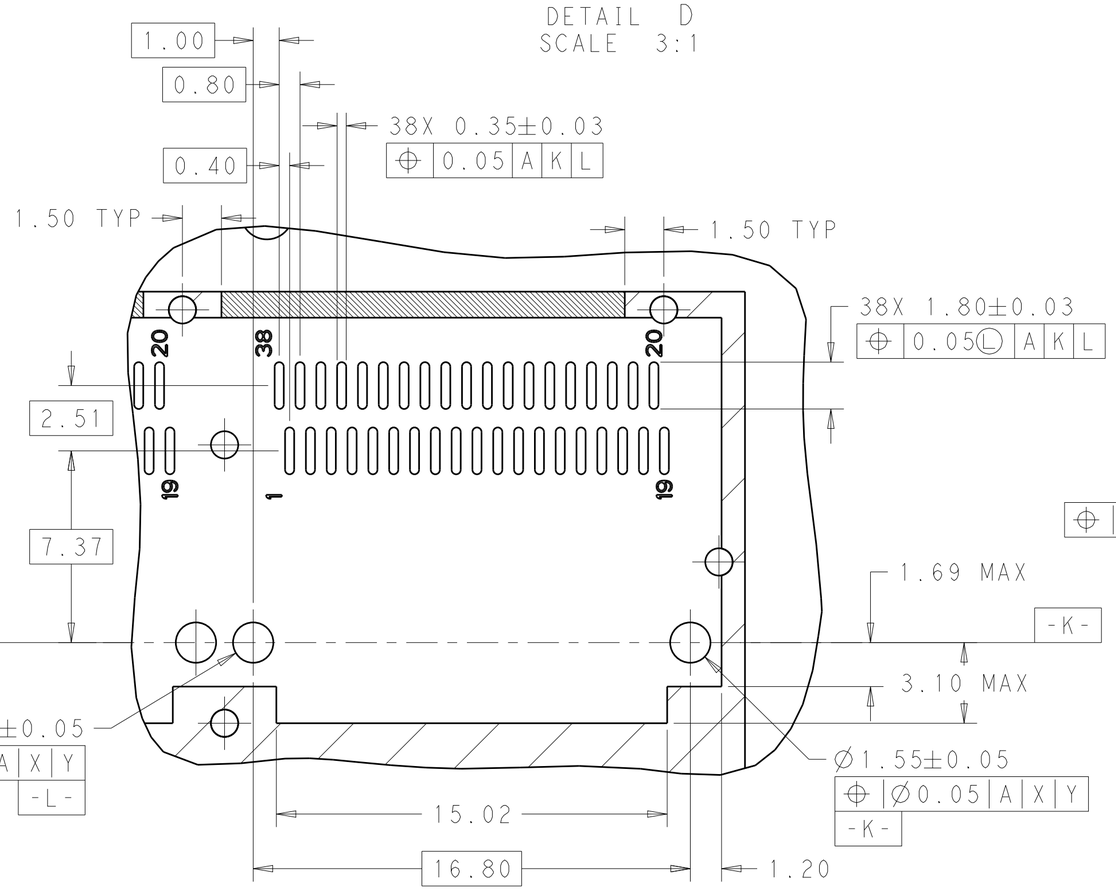
LOC	DIST

REVISIONS

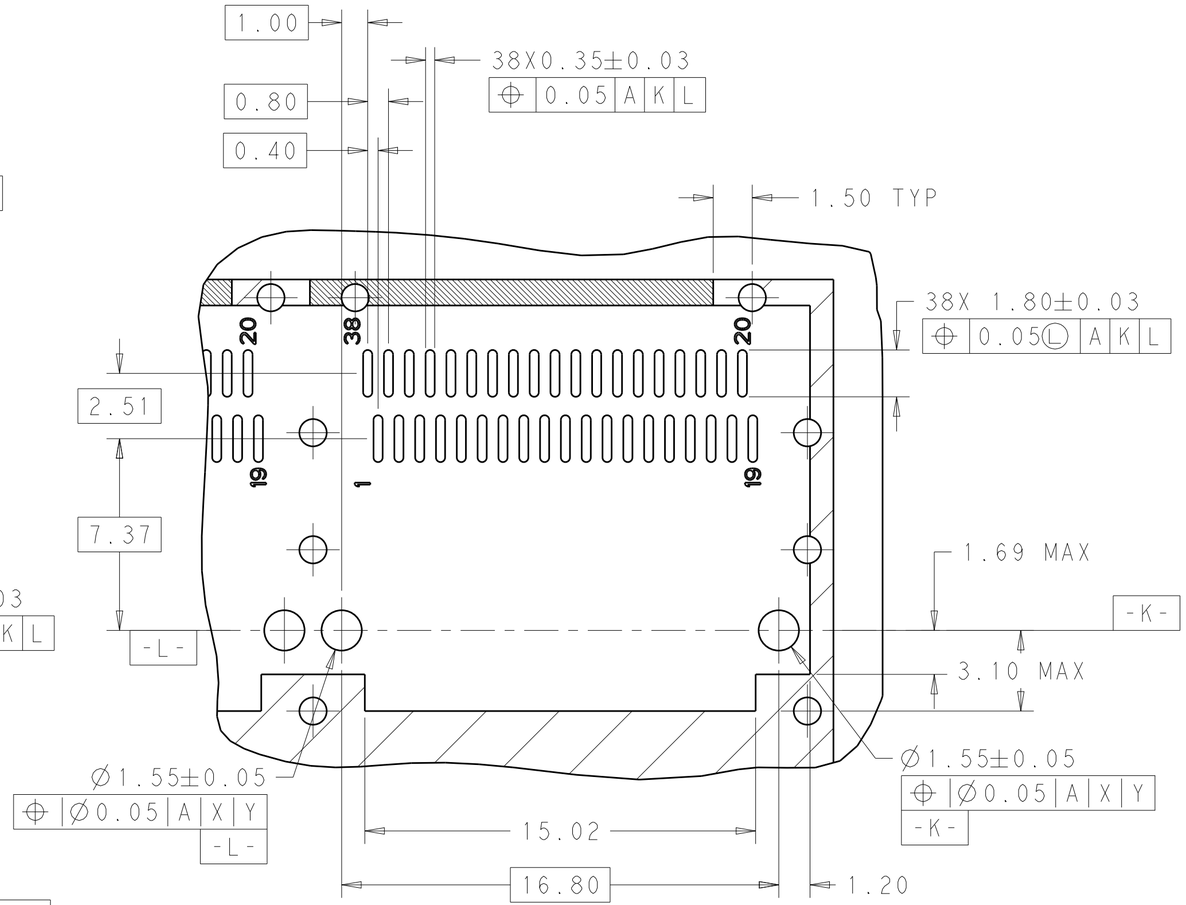
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



DETAIL D
SCALE 3:1



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 22APR2014
CHK JASON YANG 22APR2014
APVD SEAN HAN 22FEB2016
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170740	-

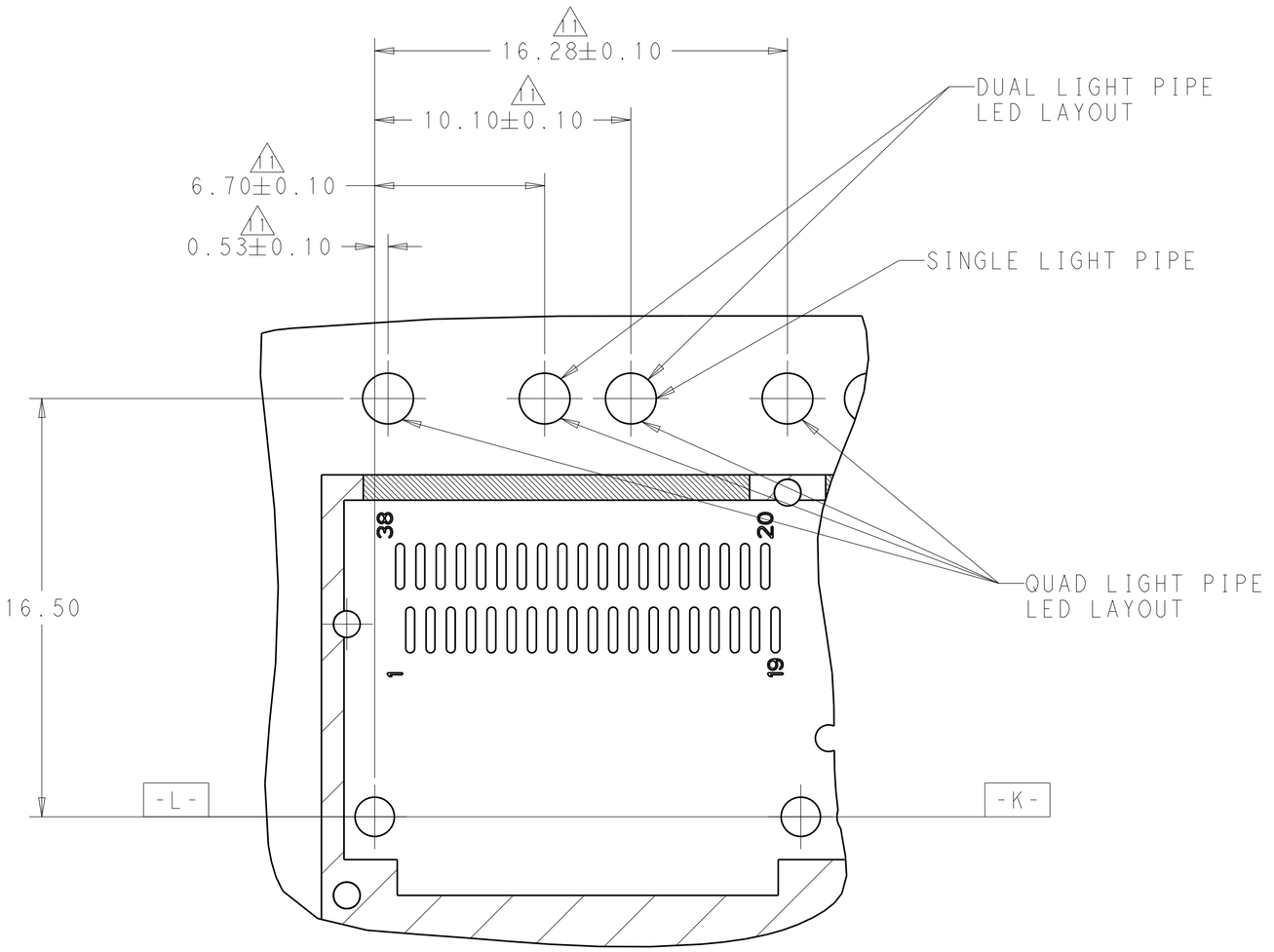
CUSTOMER DRAWING | SCALE 1:1 | SHEET 8 OF 9 | REV A

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 C
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 22APR2014
CHK JASON YANG 22APR2014
APVD SEAN HAN 22FEB2016
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME RECEPTACLE CAGE ASSEMLBY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2170740	-

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