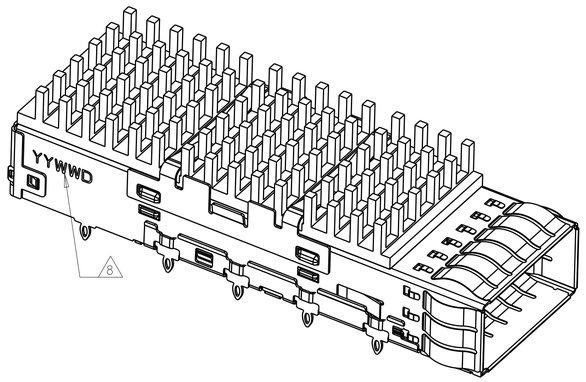
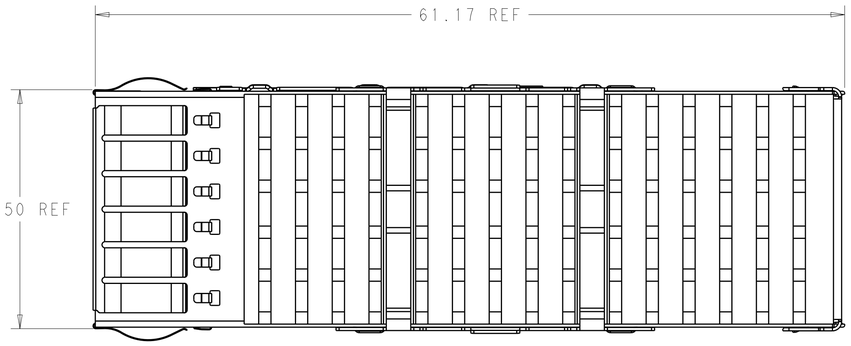
LOC	DIST
-	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	REVISED PER ECO-20-015173	26OCT2020	JY	SH





1. MATERIAL:
   CAGE MATERIAL : 0.25 THICK NICKEL SILVER.
   SPRING MATERIAL: COPPER ALLOY
   HEAT SINK MATERIAL: ALUMINUM
   CLIP MATERIAL: STAINLESS STEEL

2. FINISH:
   SPRING: NICKEL PLATING
   HEAT SINK: BLACK ANODIZE

△3 DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE TO TOP OF HEAT SINK.

△4 REFERENCE APPLICATION SPEC 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

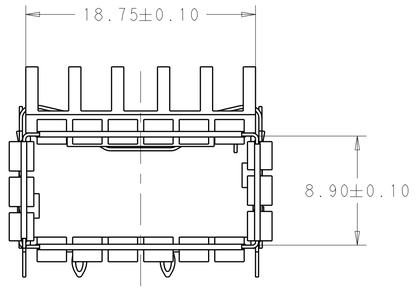
△5 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.

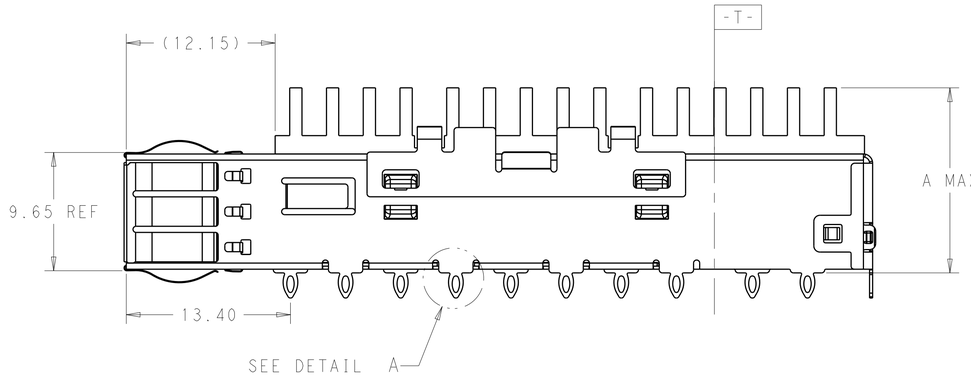
6. MINIMUM PC BOARD THICKNESS : SINGLES SIDED: 1.57 MIN
   DOUBLE SIDED: 3.00 MIN

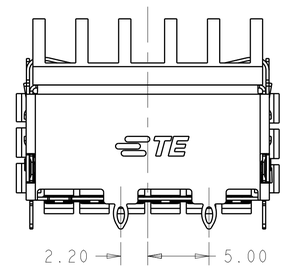
△7 DATUM -A- IS TOP SURFACE OF THE HOST BOARD.

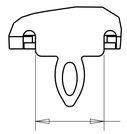
△8 DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN

9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

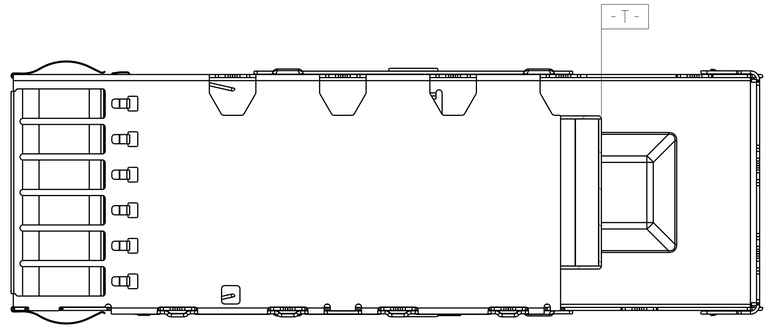








DETAIL A
SCALE 8:1



DIM A	# REAR PINS	INSULATING TAPE OPITION	APPLICATION	PART NUMBER
13.7	2	WITH	PCI	5-2170704-1
12.6	1	WITHOUT	CUSTOMIZED	1-2170704-7
12.6	2	WITHOUT	CUSTOMIZED	1-2170704-6
19.0	1	WITHOUT	CUSTOMIZED	1-2170704-5
19.0	0	WITHOUT	CUSTOMIZED	1-2170704-4
13.7	2	WITHOUT	CUSTOMIZED	1-2170704-3
13.7	2	WITHOUT	CUSTOMIZED	1-2170704-2
13.7	2	WITHOUT	PCI	1-2170704-1
19.0	2	WITHOUT	CUSTOMIZED	1-2170704-0
23.0	1	WITHOUT	NETWORKING	2170704-9
16.0	1	WITHOUT	SAN	2170704-8
13.7	1	WITHOUT	PCI	2170704-7
23.0	0	WITHOUT	NETWORKING	2170704-6
16.0	0	WITHOUT	SAN	2170704-5
13.7	0	WITHOUT	PCI	2170704-4
23.0	2	WITHOUT	NETWORKING	2170704-3
16.0	2	WITHOUT	SAN	2170704-2
13.7	2	WITHOUT	PCI	2170704-1

2170704-2 AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.100
4 PLC ±
ANGLES ±

MATERIAL -

FINISH -

DWN JASON YANG 23SEP2013
CHK SEAN HAN 23SEP2013
APVD
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170704	-

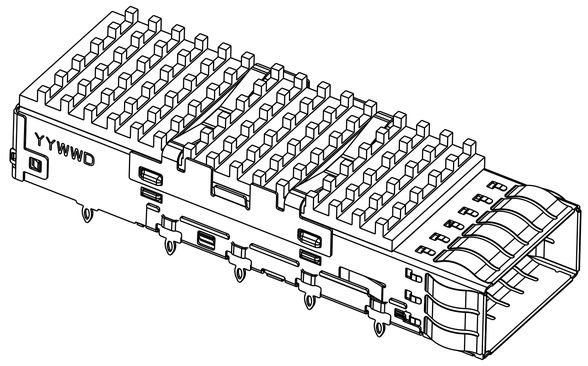
CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 8 | REV G

LOC	DIST
-	-

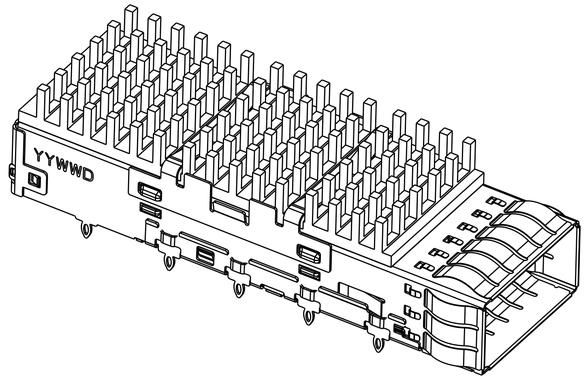
REVISIONS

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

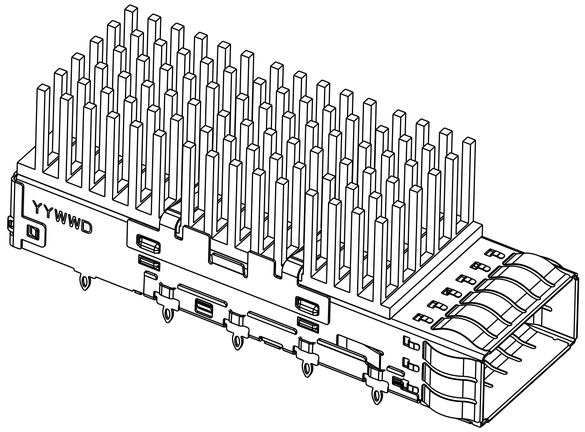
HEAT SINK OPTIONS



PCI HEAT SINK
SCALE 3:1

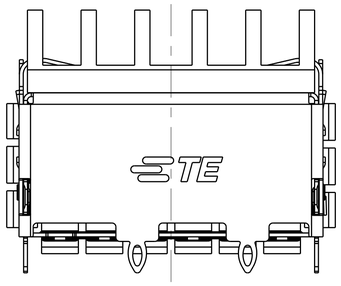


SAN HEAT SINK
SCALE 3:1

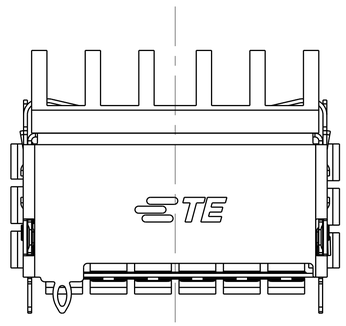


NETWORKING HEAT SINK
SCALE 3:1

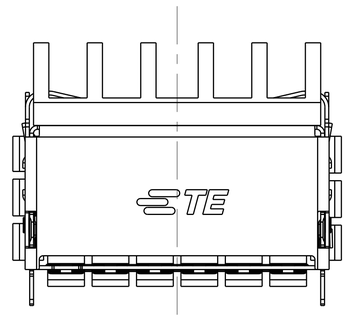
OF REAR LEGS OPTIONS



2 REAR LEGS
SCALE 5:1



1 REAR LEG
SCALE 5:1



0 REAR LEG
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.100
4 PLC
ANGLES ±-

MATERIAL - -
FINISH - -

DWN JASON YANG 23SEP2013
CHK SEAN HAN 23SEP2013
APVD
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

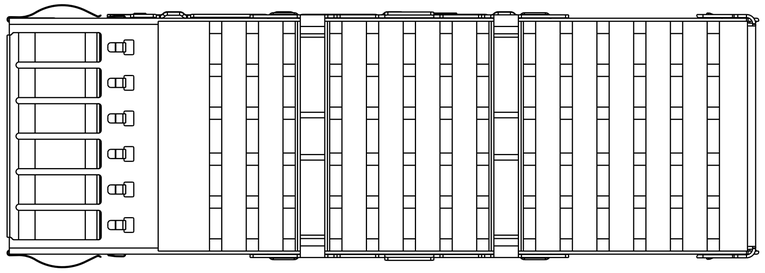
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170704	-

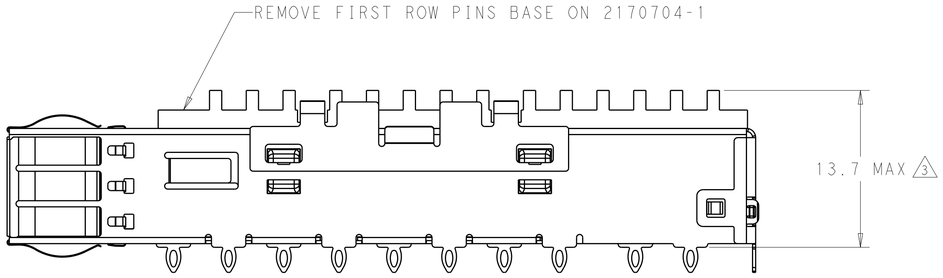
CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 8 | REV G

LOC	DIST
-	-

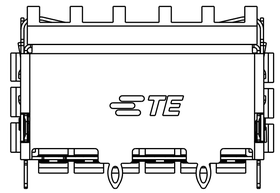
REVISIONS

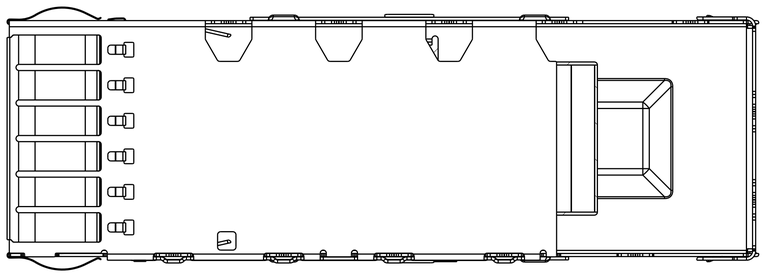
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-





SCALE 4:1





1-2170704-2 ARE AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.100
4 PLC ±.
ANGLES ±.

MATERIAL -
FINISH -

DWN JASON YANG 23SEP2013
CHK SEAN HAN 23SEP2013
APVD
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

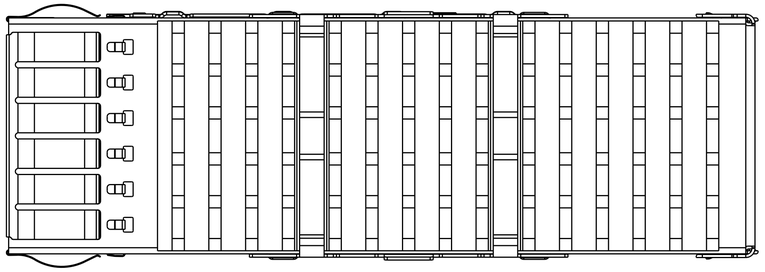
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170704	-

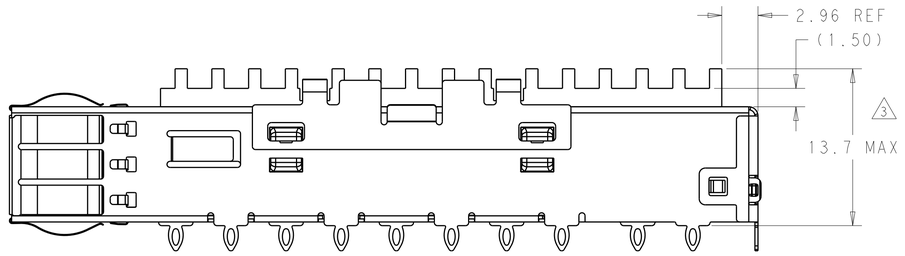
CUSTOMER DRAWING | SCALE 2:1 | SHEET 3 OF 8 | REV G

LOC	DIST
-	-

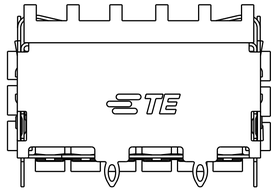
REVISIONS

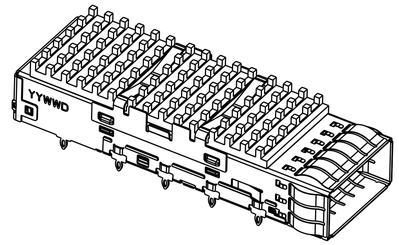
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



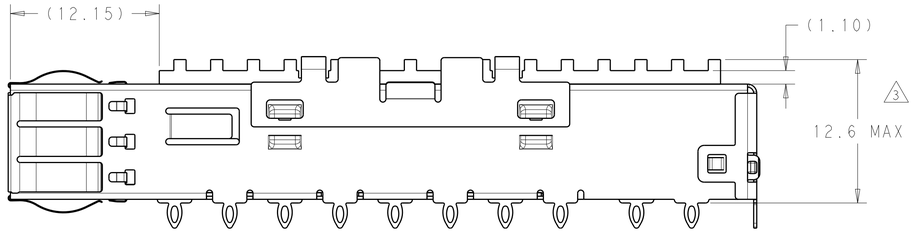


1-2170704-3 AS SHOWN
SCALE 4:1

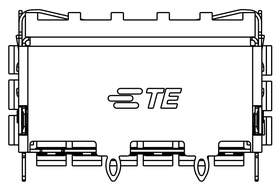


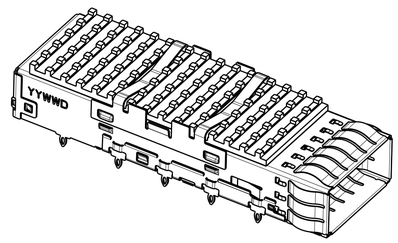


1-2170704-3 ARE AS SHOWN
SCALE 2:1

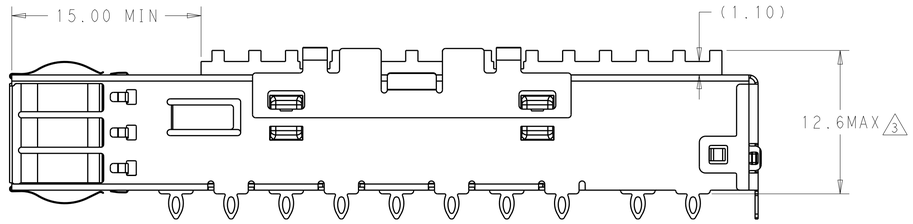


1-2170704-6 AS SHOWN
SAME AS 1-2170704-3 EXCEPT MARKED DIMENSIONS
SCALE 4:1

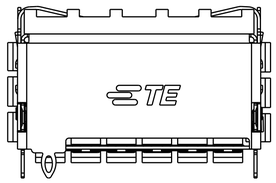




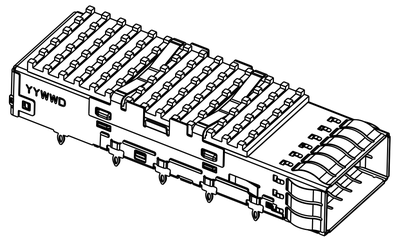
1-2170704-6 ARE AS SHOWN
SCALE 2:1



1-2170704-7 AS SHOWN
SAME AS 1-2170704-6 EXCEPT MARKED DIENSIONS



SCALE 4:1



1-2170704-7 AS SHOWN
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.100
4 PLC ±
ANGLES ±

MATERIAL -
FINISH -

DWN JASON YANG 23SEP2013
CHK SEAN HAN 23SEP2013
APVD
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

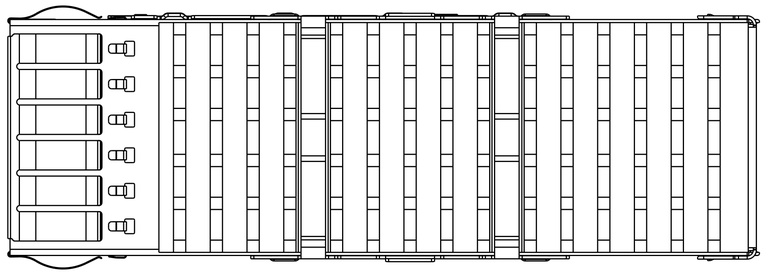
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170704	-

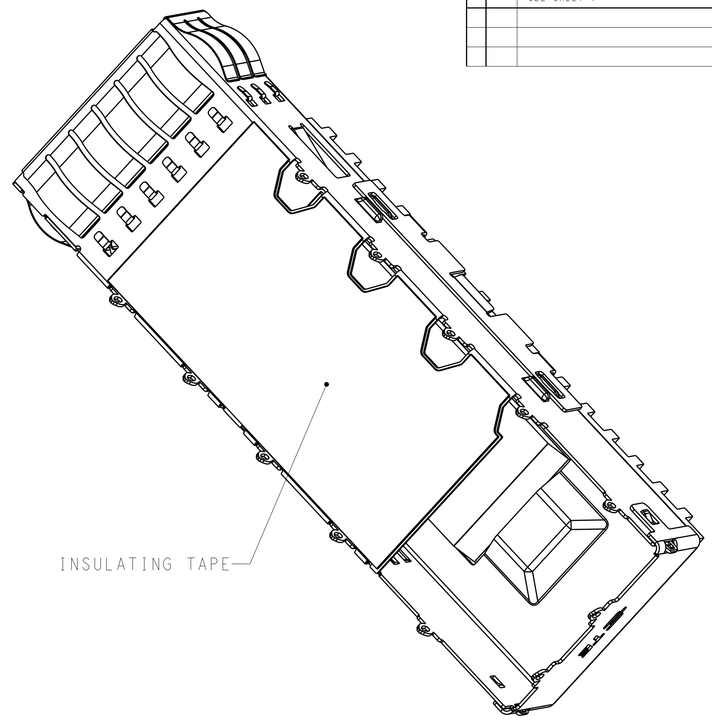
CUSTOMER DRAWING | SCALE 2:1 | SHEET 4 OF 8 | REV G

LOC	DIST
-	-

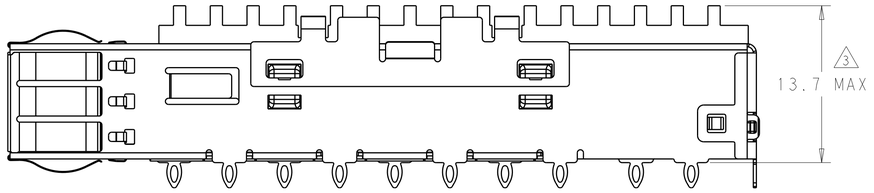
REVISIONS

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

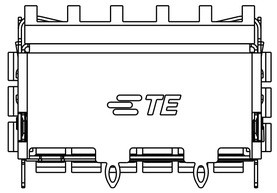


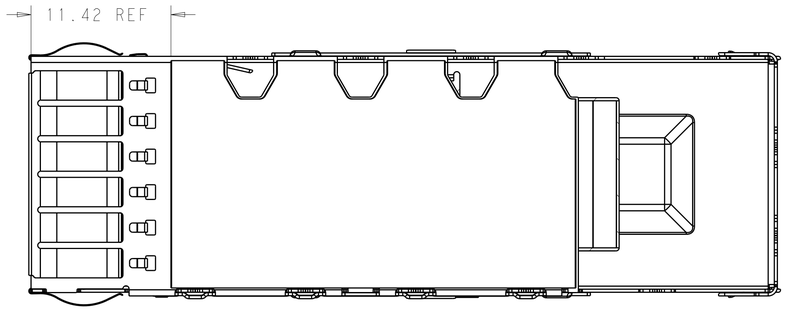


5-2170704-1 WITH INSULATING TAPE
SCALE 4:1



SCALE 4:1





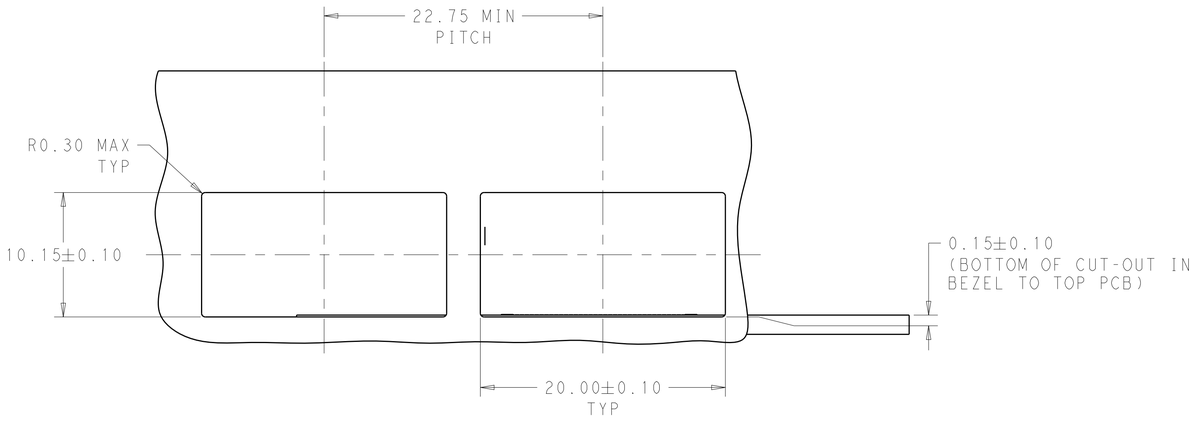
5-2170704-1 ARE AS SHOWN

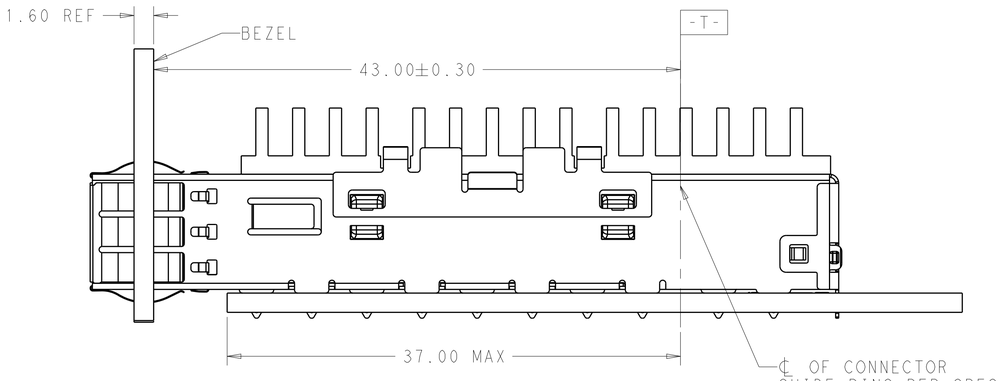
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN JASON YANG 23SEP2013	TE Connectivity	
DIMENSIONS: mm	CHK SEAN HAN 23SEP2013	NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25, 1 PLC ±0.25, 2 PLC ±0.20, 3 PLC ±0.100, 4 PLC ±, ANGLES ±	APVD		
MATERIAL - -	PRODUCT SPEC 108-19428	SIZE A1	CAGE CODE 00779
FINISH - -	APPLICATION SPEC 114-32023	DRAWING NO C-2170704	RESTRICTED TO -
	WEIGHT -	CUSTOMER DRAWING	SCALE 2:1 SHEET 5 OF 8 REV G

LOC	DIST
-	-

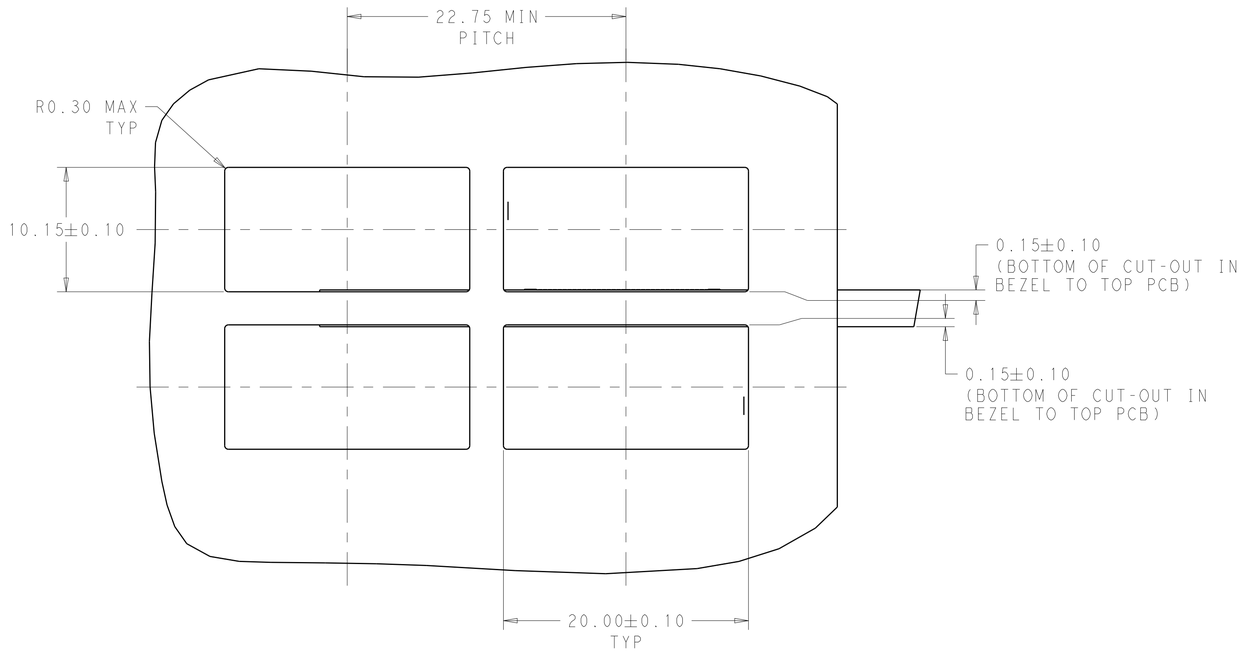
REVISIONS

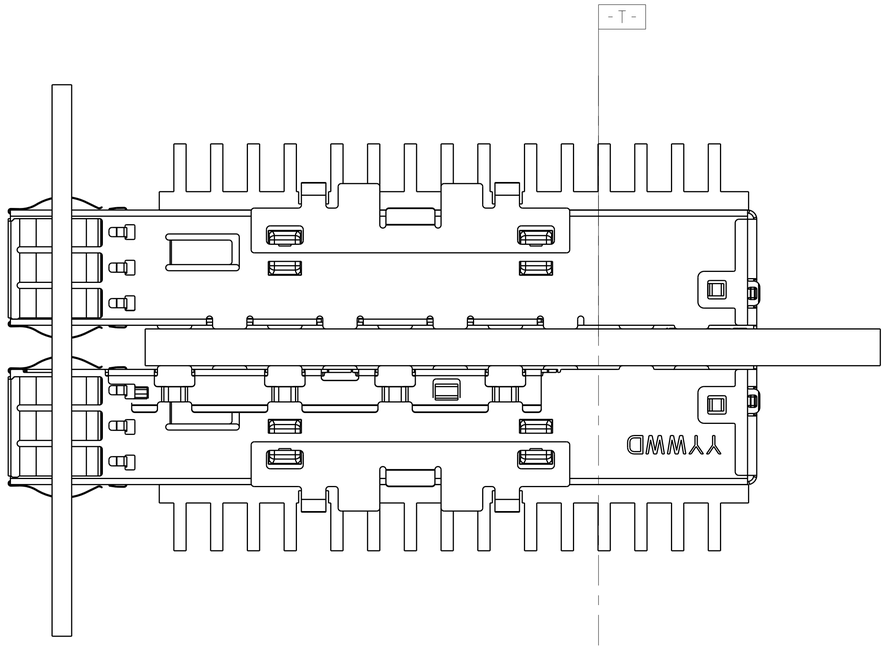
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-





SINGLE SIDE MOUNTING
SCALE 4:1





BELLY TO BELLY MOUNTING
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.100
4 PLC ±-
ANGLES ±-

MATERIAL - -
FINISH - -

DWN JASON YANG 23SEP2013
CHK SEAN HAN 23SEP2013
APVD

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

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

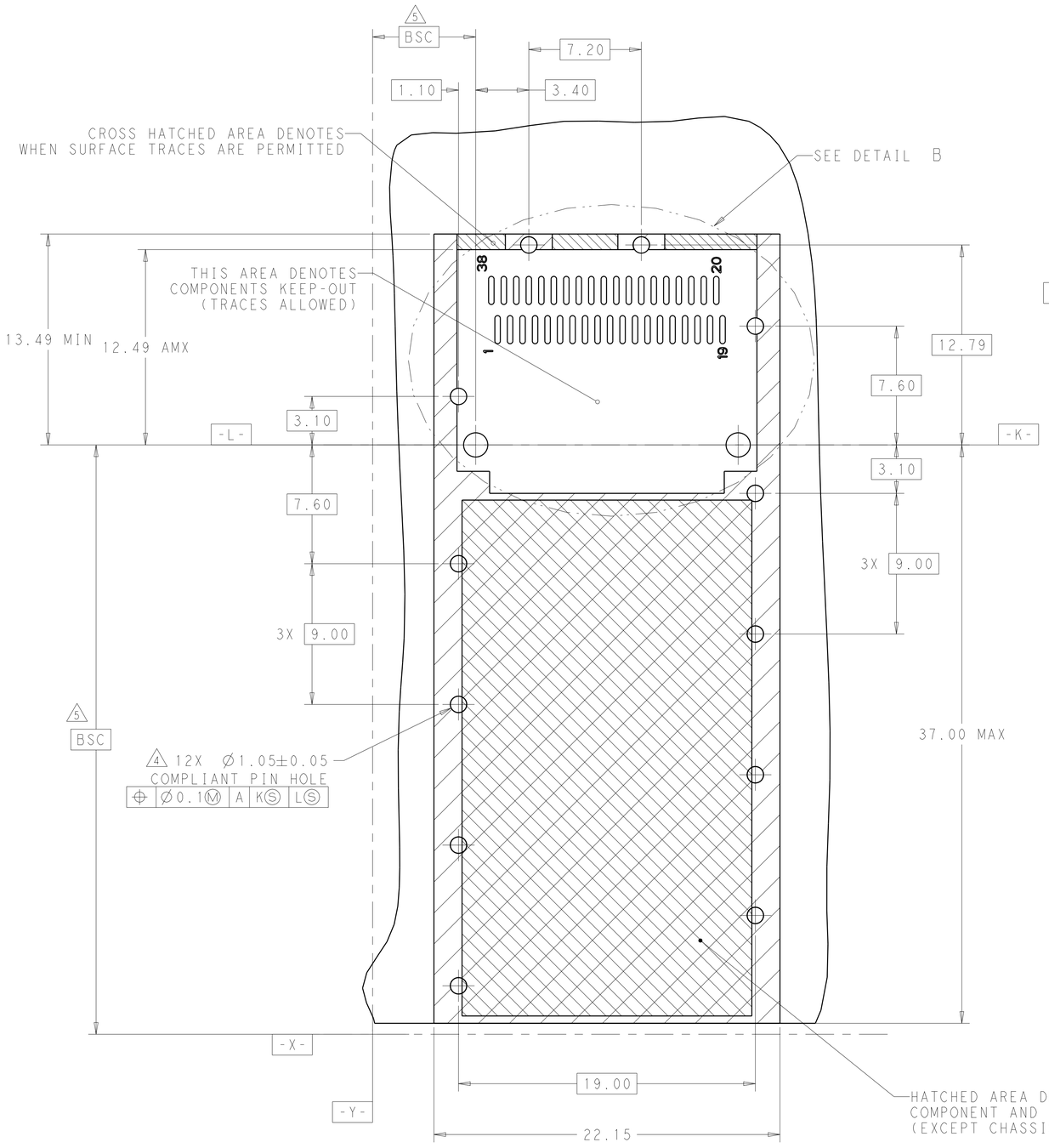
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170704	-

CUSTOMER DRAWING | SCALE 2:1 | SHEET 6 OF 8 | REV G

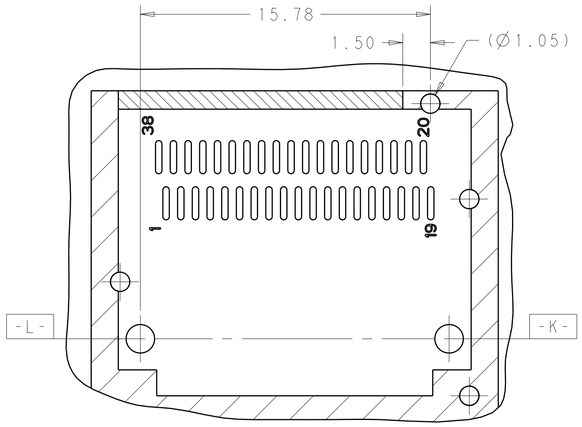
LOC	DIST
-	-

REVISIONS

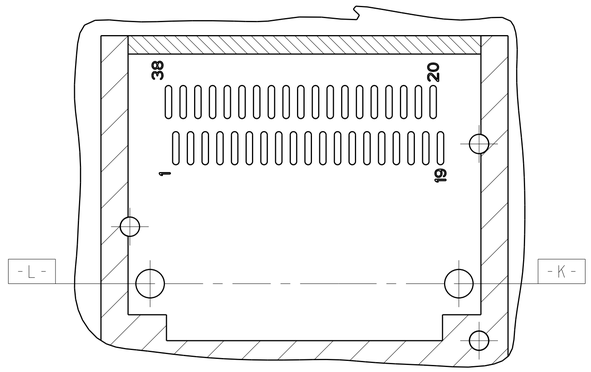
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



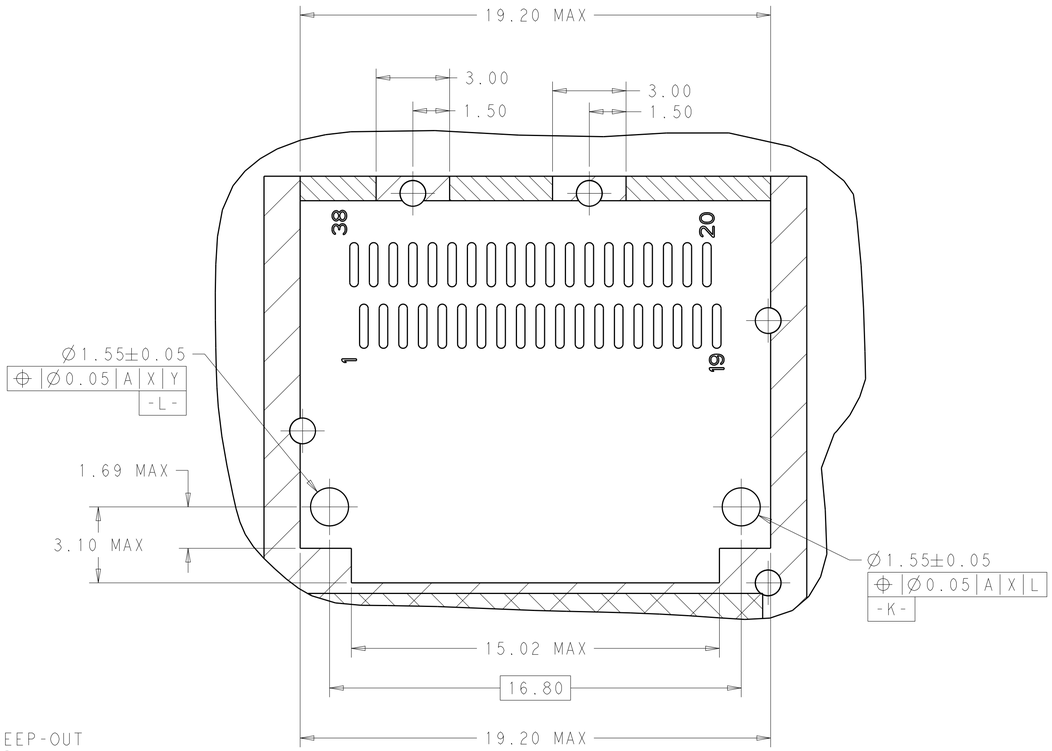
RECOMMENDED PCB LAYOUT
SINGLE TYPE OF 2 REAR HOLES OF LEGS
PCB TOLERANCE: ±0.05
SCALE 6:1



RECOMMENDED PCB LAYOUT
SINGLE TYPE OF 1 REAR HOLES OF LEGS
PCB TOLERANCE: ±0.05
SCALE 6:1



RECOMMENDED PCB LAYOUT
SINGLE TYPE OF 0 REAR HOLES OF LEGS
PCB TOLERANCE: ±0.05
SCALE 6:1



DETAIL B
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.100
4 PLC ±
ANGLES ±

MATERIAL -
FINISH -

DWN JASON YANG 23SEP2013
CHK SEAN HAN 23SEP2013
APVD
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2170704 | RESTRICTED TO -

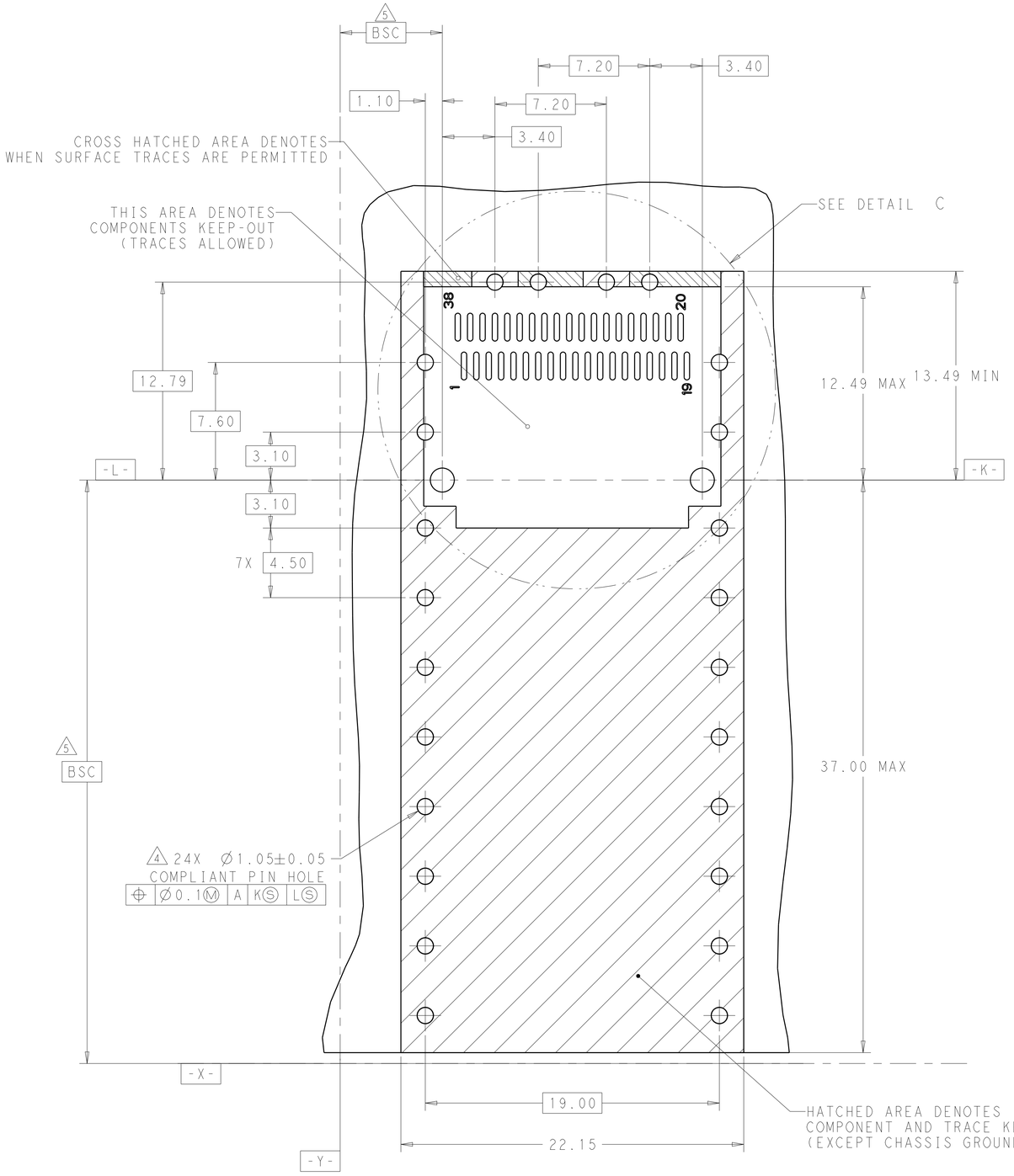
CUSTOMER DRAWING | SCALE 2:1 | SHEET 7 OF 8 | REV G

4805 (3/11)

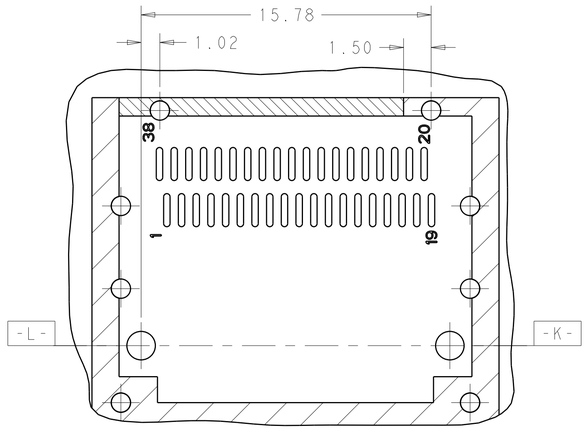
LOC	DIST
-	-

REVISIONS

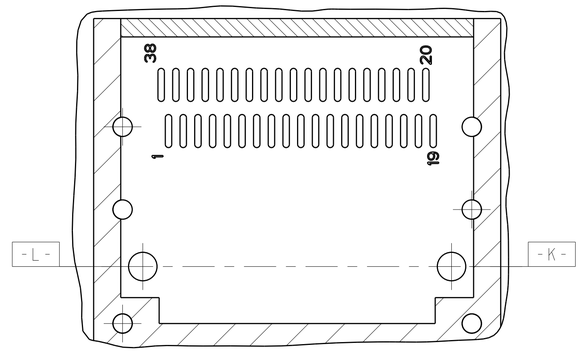
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



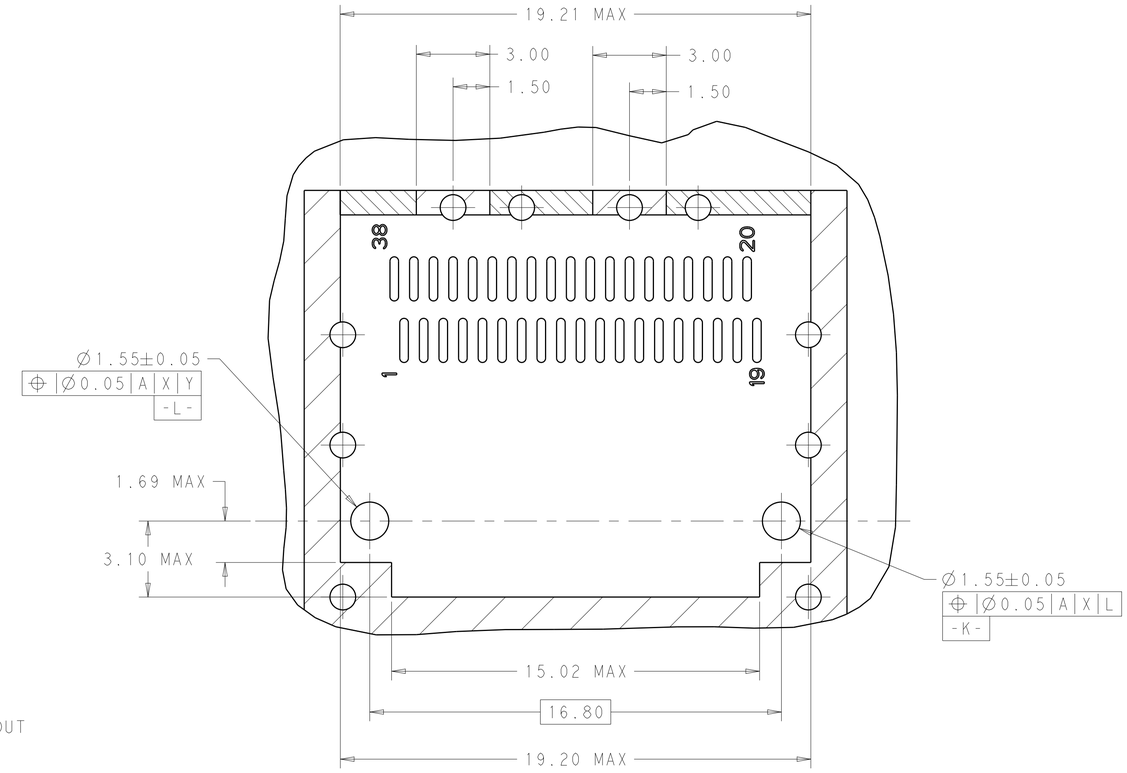
RECOMMENDED PCB LAYOUT
BELLY TO BELLY TYPE OF 2 REAR HOLES OF LEGS
PCB TOLERANCE: ±0.05
SCALE 6:1



RECOMMENDED PCB LAYOUT
BELLY TO BELLY TYPE OF 1 REAR HOLES OF LEGS
PCB TOLERANCE: ±0.05
SCALE 6:1



RECOMMENDED PCB LAYOUT
BELLY TO BELLY TYPE OF 0 REAR HOLES OF LEGS
PCB TOLERANCE: ±0.05
SCALE 6:1



DETAIL C
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±0.100
4 PLC ±-
ANGLES ±-

MATERIAL -
FINISH -

DWN JASON YANG 23SEP2013
CHK SEAN HAN 23SEP2013
APVD
PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2170704	-

CUSTOMER DRAWING | SCALE 2:1 | SHEET 8 OF 8 | REV G

4805 (3/11)