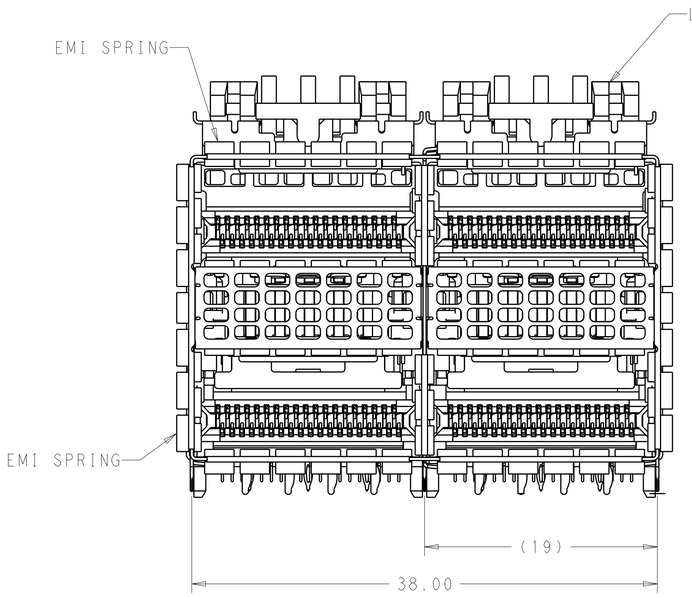
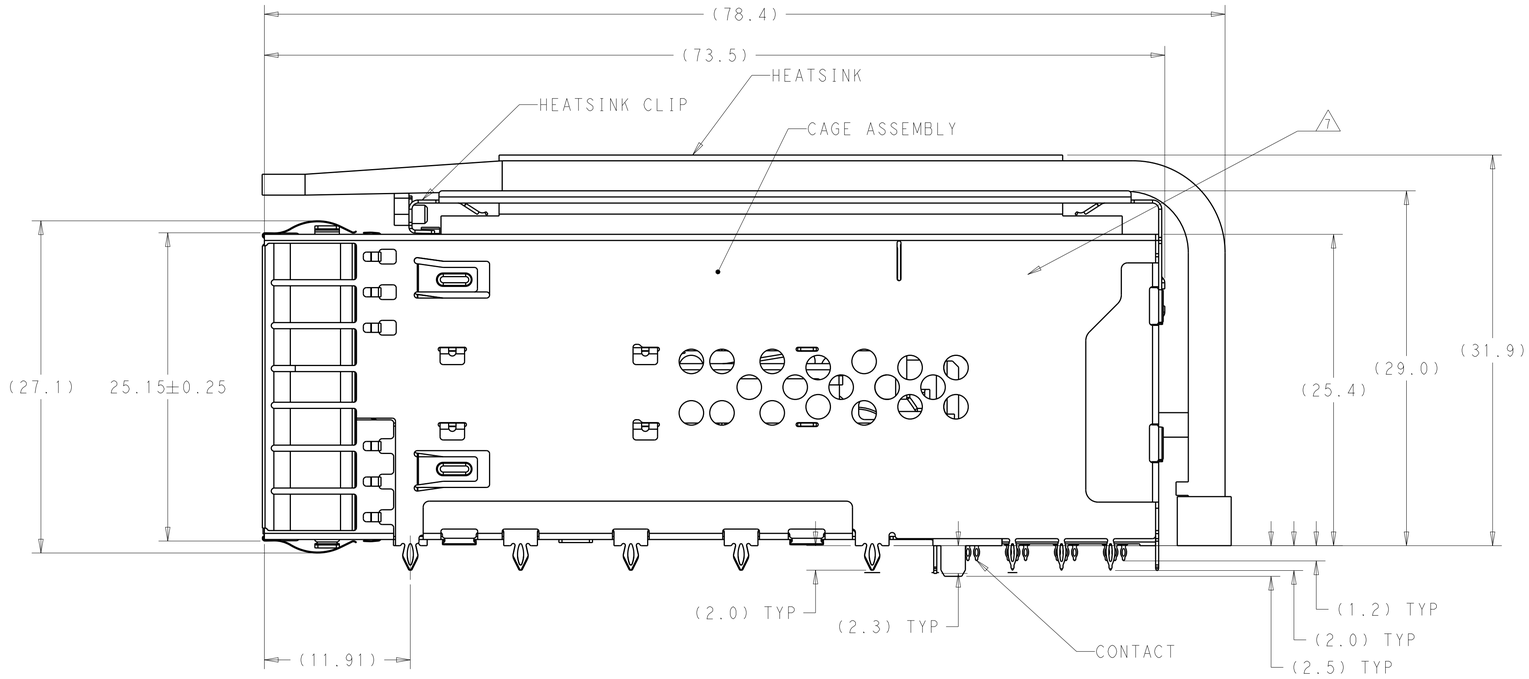
LOC	DIST
GP	00

REVISIONS

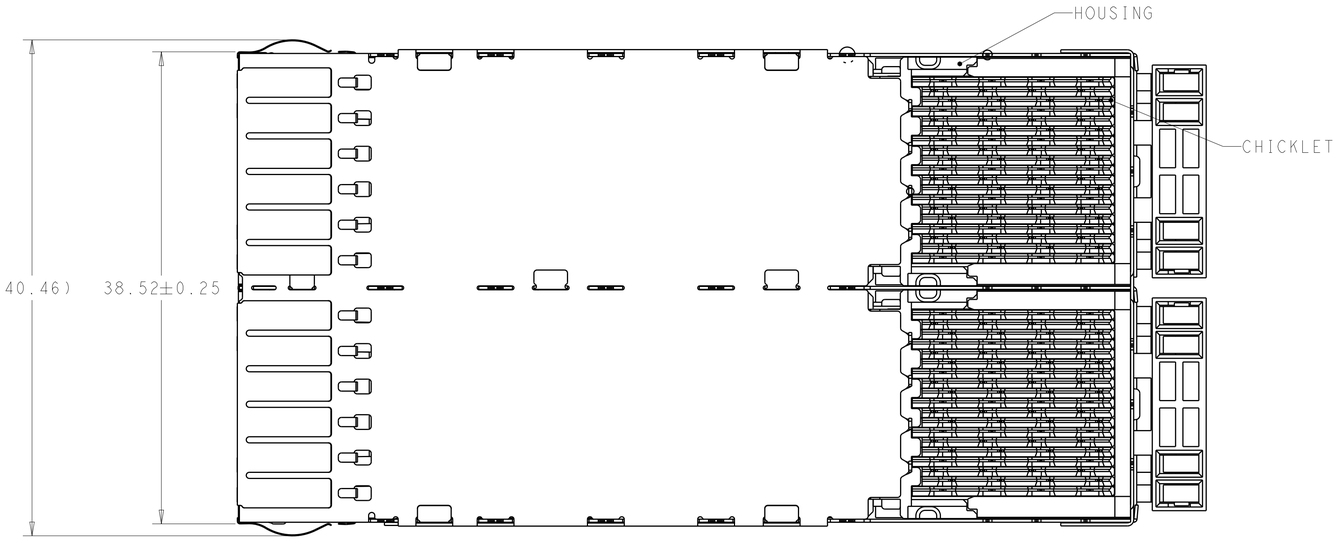
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	13MAR2017	LL	SH
	B	REVISED PER ECO-17-012744	31AUG2017	TX	SH



2299870-1



2299870-1



1. MATERIALS:
   CAGE ASSEMBLY- NICKEL SILVER ALLOY PER ASTM B 122.
   EMI SPRING- COPPER ALLOY, NICKEL PLATED.
   HOUSING- POLYESTER LCP WITH 94V-0.
   CHICKLET- POLYESTER LCP WITH 94V-0.
   CONTACT- COPPER ALLOY.
   LIGHTPIPE- POLYCARBONATE WITH 94V-0.

△2 CONTACT FINISH: 0.76µm GOLD ON MATING AREA, 0.7-1.5µm MATT TIN ON COMPLIANT AREA, ALL OVER 1.27µm NICKEL.

△3 DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

4. MINIMUM PCB THICKNESS OF 1.57.

△5 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND TRACES.

△6 CROSS-HATCHED AREAS REPRESENT ZONES ON THE PCB THAT COME IN CONTACT WITH OR BE IN CLOSE PROXIMITY TO THE PLASTIC HOUSING OR THE CONNECTOR CAGE. INDICATED AREAS TO BE CONSIDERED TRACE FREE.

△7 PART NUMBER AND DATE CODE MAKED IN APPROXIMATE AREA SHOWN.

△8 HATCHED AREA IS PLACEMENT ZONE FOR LED. LED SHOULD BE CENTERED WITHIN ZONE. RECOMMEND 0805 PACKAGE.

△9 CONTACT FINISH: 0.08µm MINIMUM GOLD OVER 0.68µm PALLADIUM-NICKEL ON MATING AREA, 0.7-1.5µm MATT TIN ON COMPLIANT AREA, ALL OVER 1.27µm NICKEL.

CONTACT FINISH	DESCRIPTION	PART NUMBER
△2	WITH HS & WITHOUT LP	2299870-6
△2	WITHOUT UPPER HS OR LP	2299870-5
△2	WITHOUT UPPER HS OR LP	2299870-4
△2	WITH HS & WITHOUT LP	2299870-3
△2	WITH HS & WITHOUT LP	2299870-2
△2	WITH HS & WITH LP	2299870-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE NOTE 1
FINISH - SEE NOTE 2

DWN	TIM XUE	28JAN2016
CHK	SEAN HAN	28JAN2016
APVD	SEAN HAN	28JAN2016
PRODUCT SPEC	108-60102	
APPLICATION SPEC	114-60015	
WEIGHT	-	

TE Connectivity

NAME: CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS

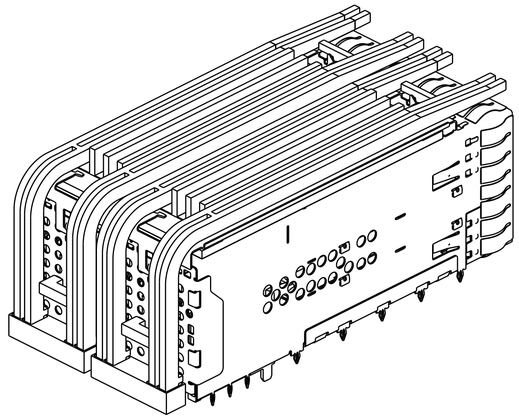
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2299870	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 8 | REV B

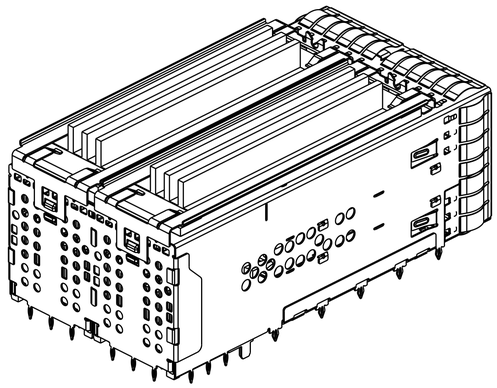
LOC	DIST
GP	00

REVISIONS

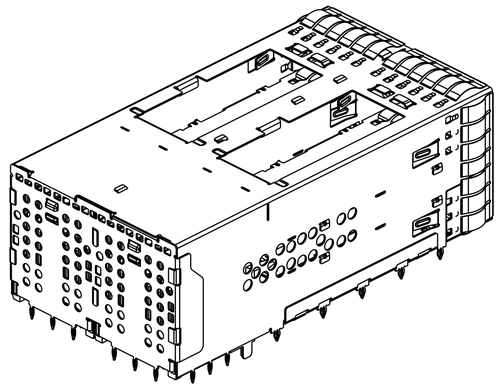
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



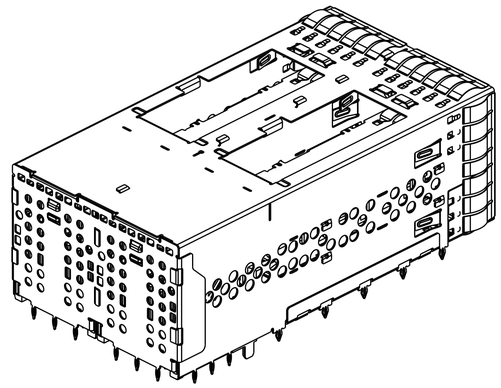
2299870-1 AS SHOWN
SCALE 2:1



2299870-2 AS SHOWN
SAME AS 2299870-1 EXCEPT
W/O LEGHT PIPE AND ORGANIZER
SCALE 2:1



2299870-4 AS SHOWN
SAME AS 2299870-2 EXCEPT
W/O EXTERNAL HEAT SINK AND LP
SCALE 2:1



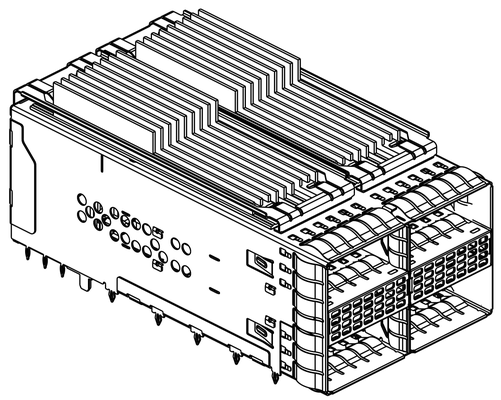
2299870-5
SCALE 2:1

2299870-1
SCALE 2:1

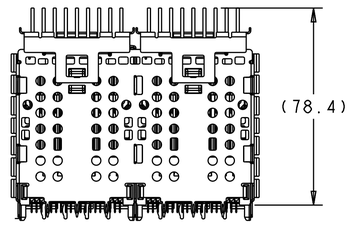
2299870-2
SCALE 2:1

2299870-4
SCALE 2:1

2299870-5
SCALE 2:1



2299870-6
SCALE 2:1



2299870-6
SCALE 2:1

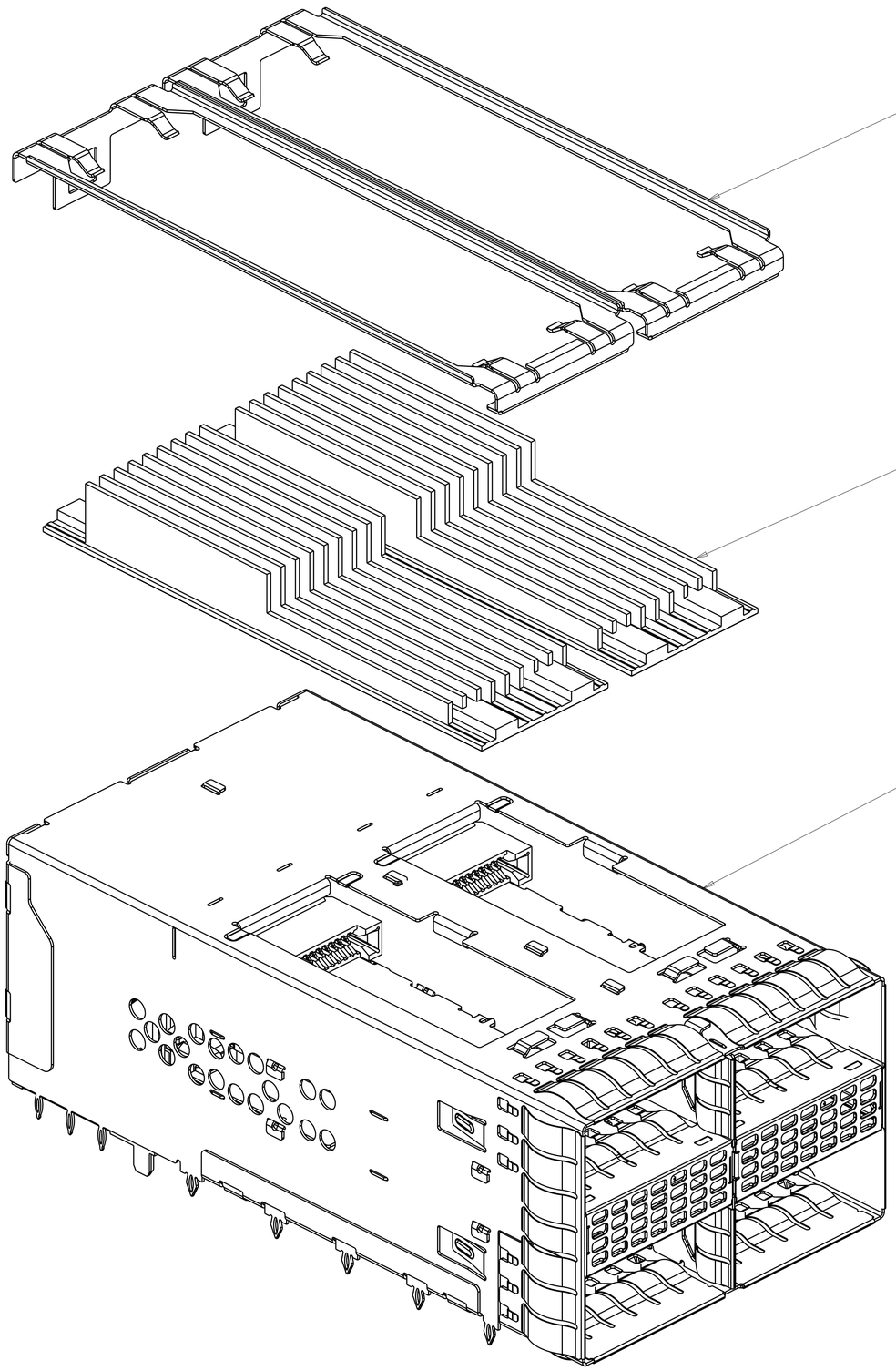
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 28JAN2016	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.15 3 PLC ±- 4 PLC ±- ANGLES ±-	CHK SEAN HAN 28JAN2016	NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS
		APVD SEAN HAN 28JAN2016	
		PRODUCT SPEC 108-60102	
		APPLICATION SPEC 114-60015	SIZE A1 CAGE CODE 00779 DRAWING NO C-2299870 RESTRICTED TO -
MATERIAL - SEE NOTE 1	FINISH - SEE NOTE 2	WEIGHT -	CUSTOMER DRAWING SCALE 4:1 SHEET 2 OF 8 REV B

LOC	DIST
GP	00

REVISIONS

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

2299870-3 AS SHOWN, KIT PACKAGE



SCALE 4:1

ITEM	DESCRIPTION	PART NUMBER	
3	HEAT SINK CLIP	1-2300832-7	2
2	HEAT SINK	1-2304280-3	2
1	CAGE AND CONNECTOR ASSEMBLY	2299870-4	1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE NOTE 1

FINISH - SEE NOTE 2

DWN TIM XUE 28JAN2016
CHK SEAN HAN 28JAN2016
APVD SEAN HAN 28JAN2016

PRODUCT SPEC 108-60102
APPLICATION SPEC 114-60015
WEIGHT -

TE Connectivity

NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZOSFP+ STACKED WITH HS

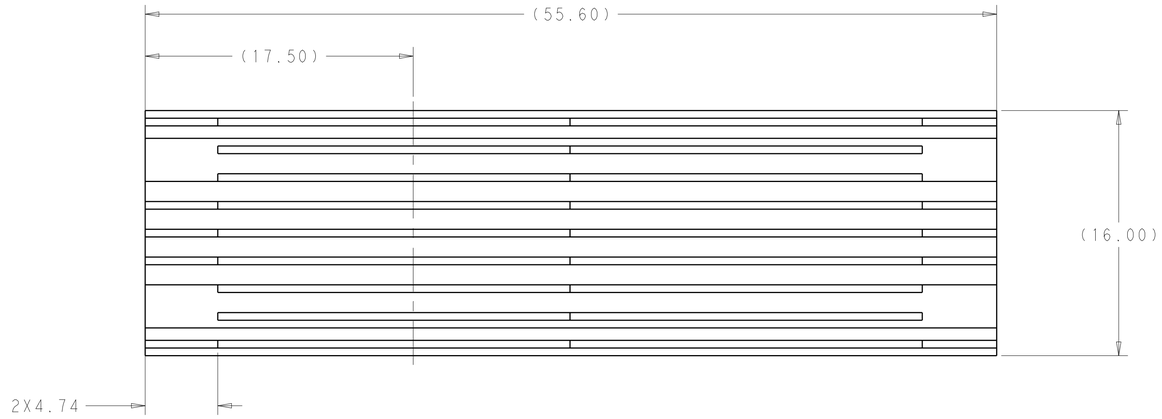
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2299870	-

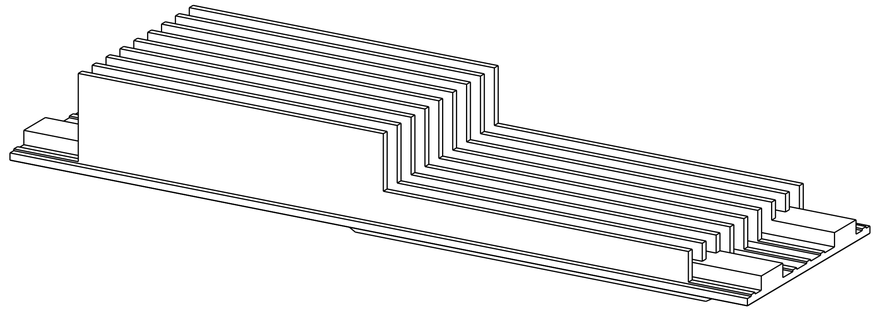
CUSTOMER DRAWING | SCALE 4:1 | SHEET 3 OF 8 | REV B

LOC	DIST
GP	00

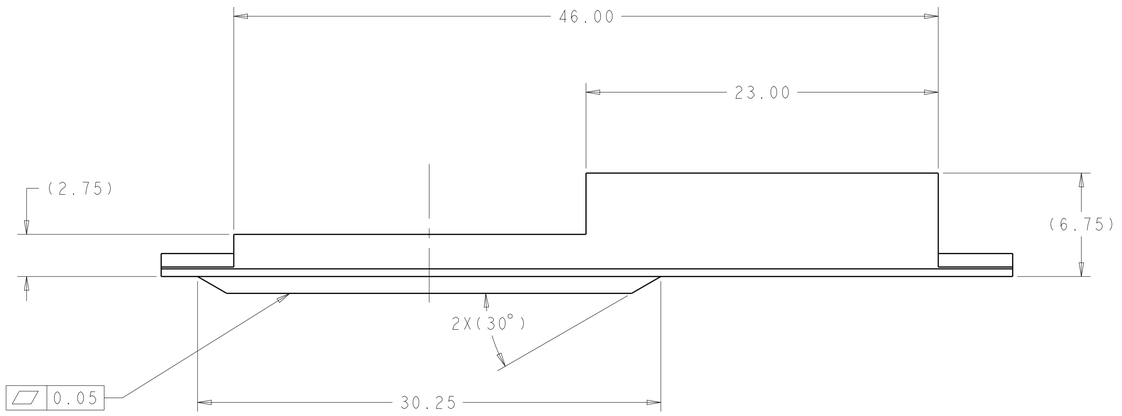
REVISIONS

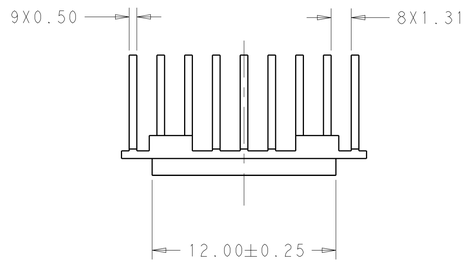
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-





1-2304280-3 HEAT SINK SHOWN
SCALE 5:1





THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE NOTE 1
FINISH - SEE NOTE 2

DWN TIM XUE 28JAN2016
CHK SEAN HAN 28JAN2016
APVD SEAN HAN 28JAN2016
PRODUCT SPEC 108-60102
APPLICATION SPEC 114-60015
WEIGHT -

TE Connectivity

NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS

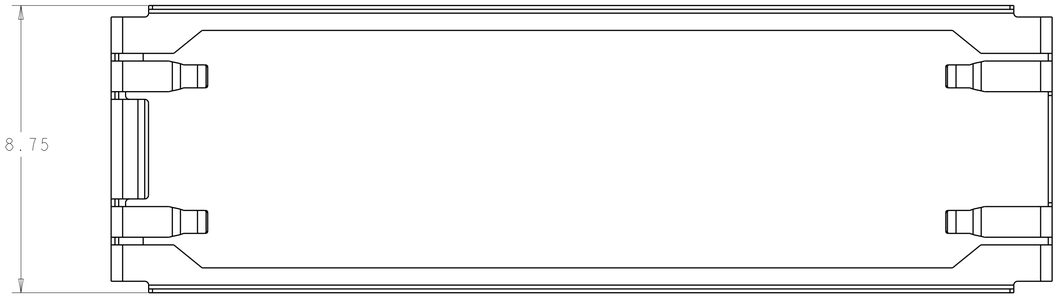
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2299870	-

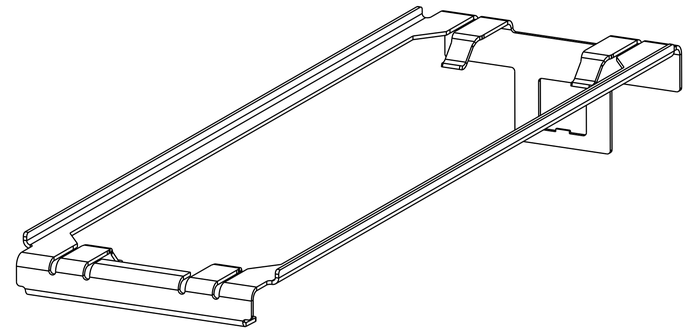
CUSTOMER DRAWING | SCALE 4:1 | SHEET 4 OF 8 | REV B

LOC	DIST
GP	00

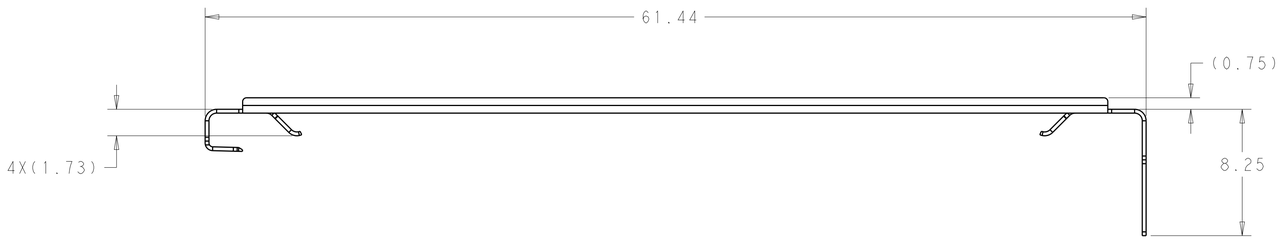
REVISIONS

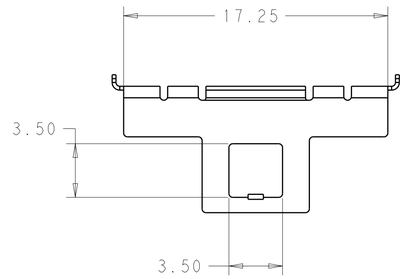
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-





1-2300832-7, HEAT SINK CLIP
SCALE 5:1





THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE NOTE 1

FINISH - SEE NOTE 2

DWN TIM XUE 28JAN2016
CHK SEAN HAN 28JAN2016
APVD SEAN HAN 28JAN2016

PRODUCT SPEC 108-60102
APPLICATION SPEC 114-60015
WEIGHT -

TE Connectivity

NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS

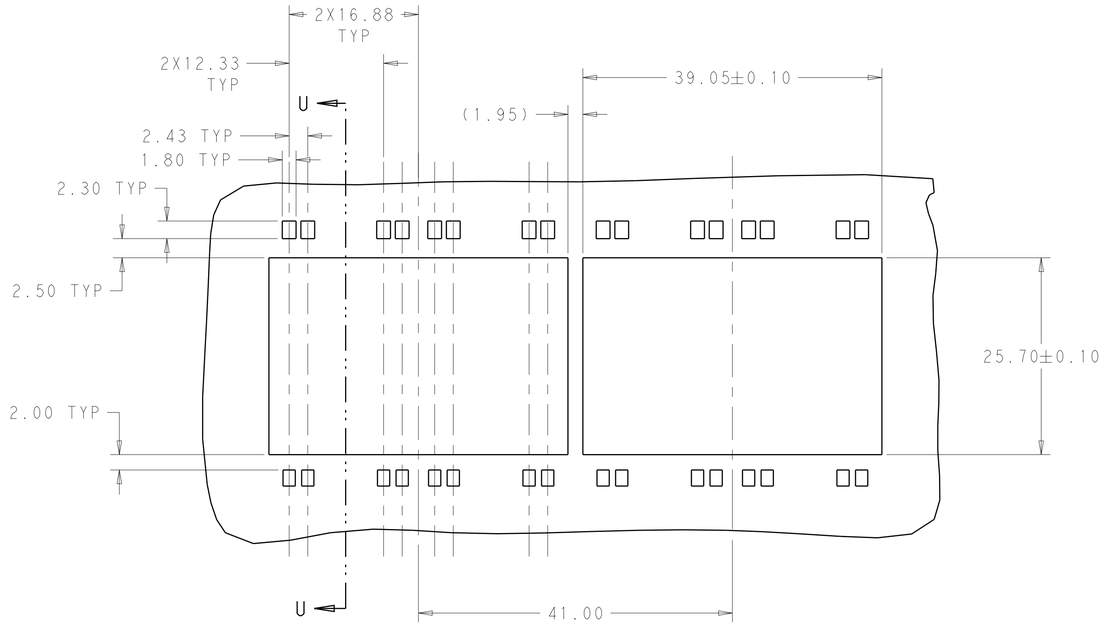
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2299870	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 5 OF 8 | REV B

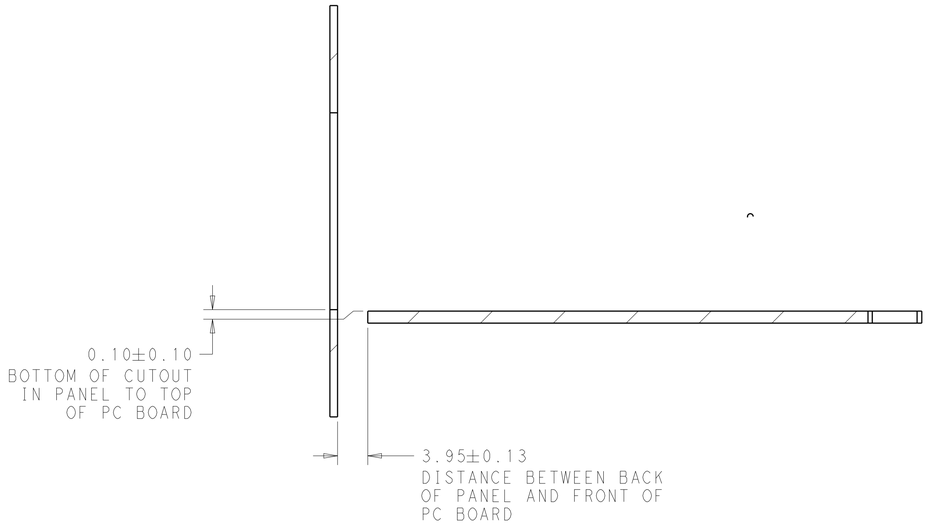
LOC	DIST
GP	00

REVISIONS

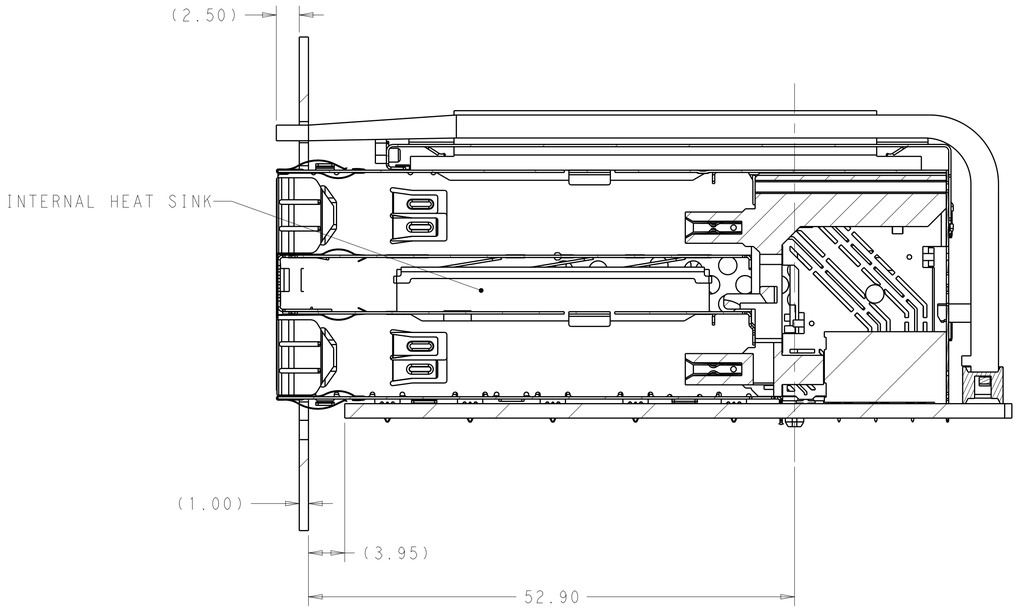
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



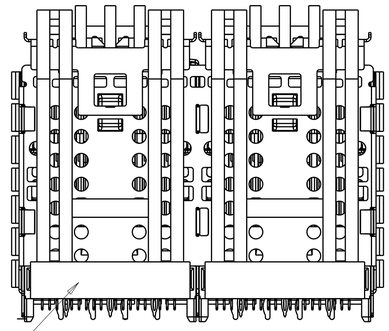
RECOMMENDED PANEL CUTOUT
AND PC BOARD PANEL POSITION
SCALE 5:2



SECTION U-U



2299870-1 BEZEL LOCATION AS SHOWN
SECTION V-V
SCALE 3:1

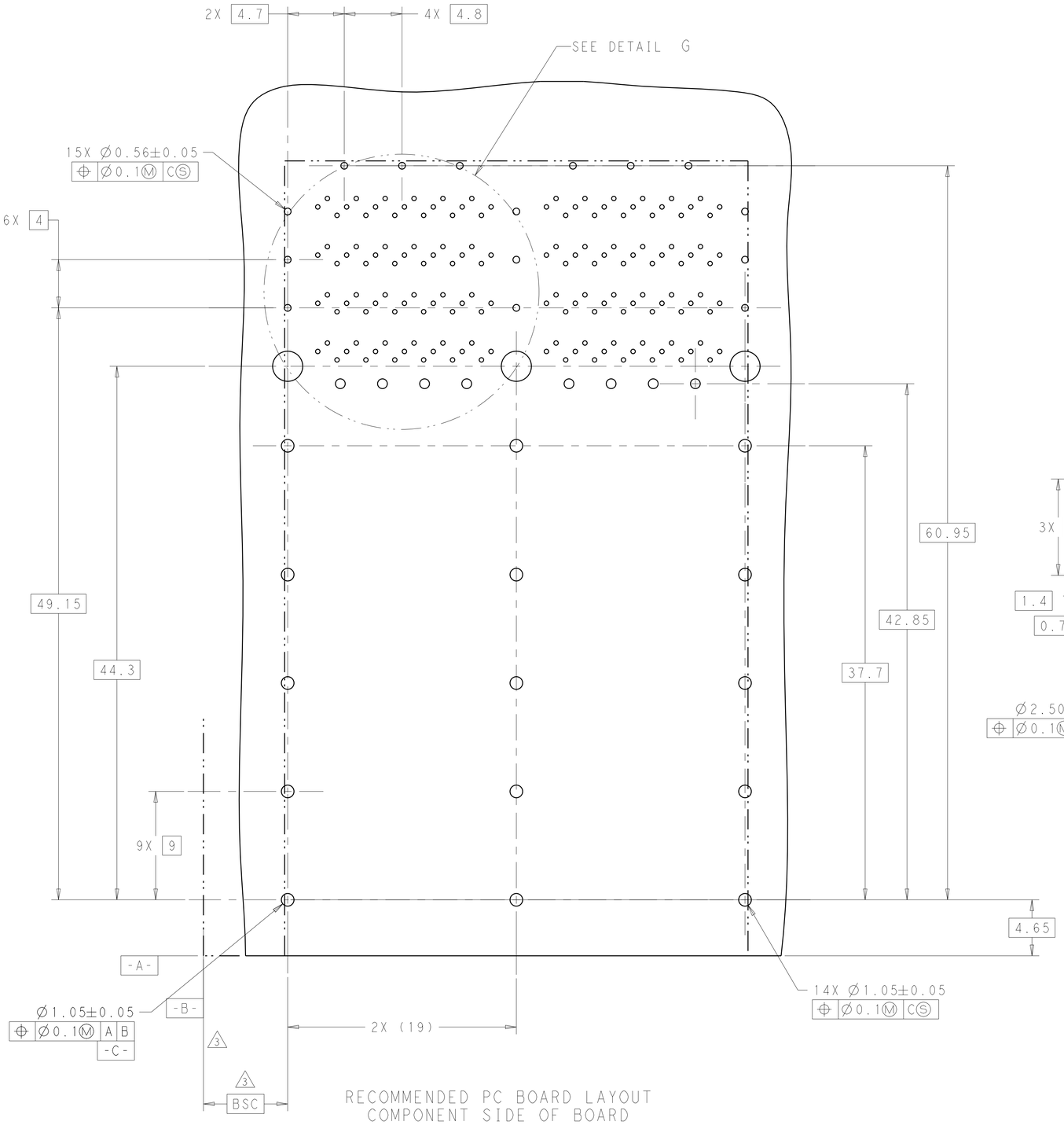


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 28JAN2016	TE Connectivity
		CHK SEAN HAN 28JAN2016	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.15 3 PLC ±- 4 PLC ±- ANGLES ±-	APVD SEAN HAN 28JAN2016	NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS
		PRODUCT SPEC 108-60102	
		APPLICATION SPEC 114-60015	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-2299870 · RESTRICTED TO -
MATERIAL - SEE NOTE 1	FINISH - SEE NOTE 2	WEIGHT -	CUSTOMER DRAWING · SCALE 4:1 · SHEET 6 OF 8 · REV B

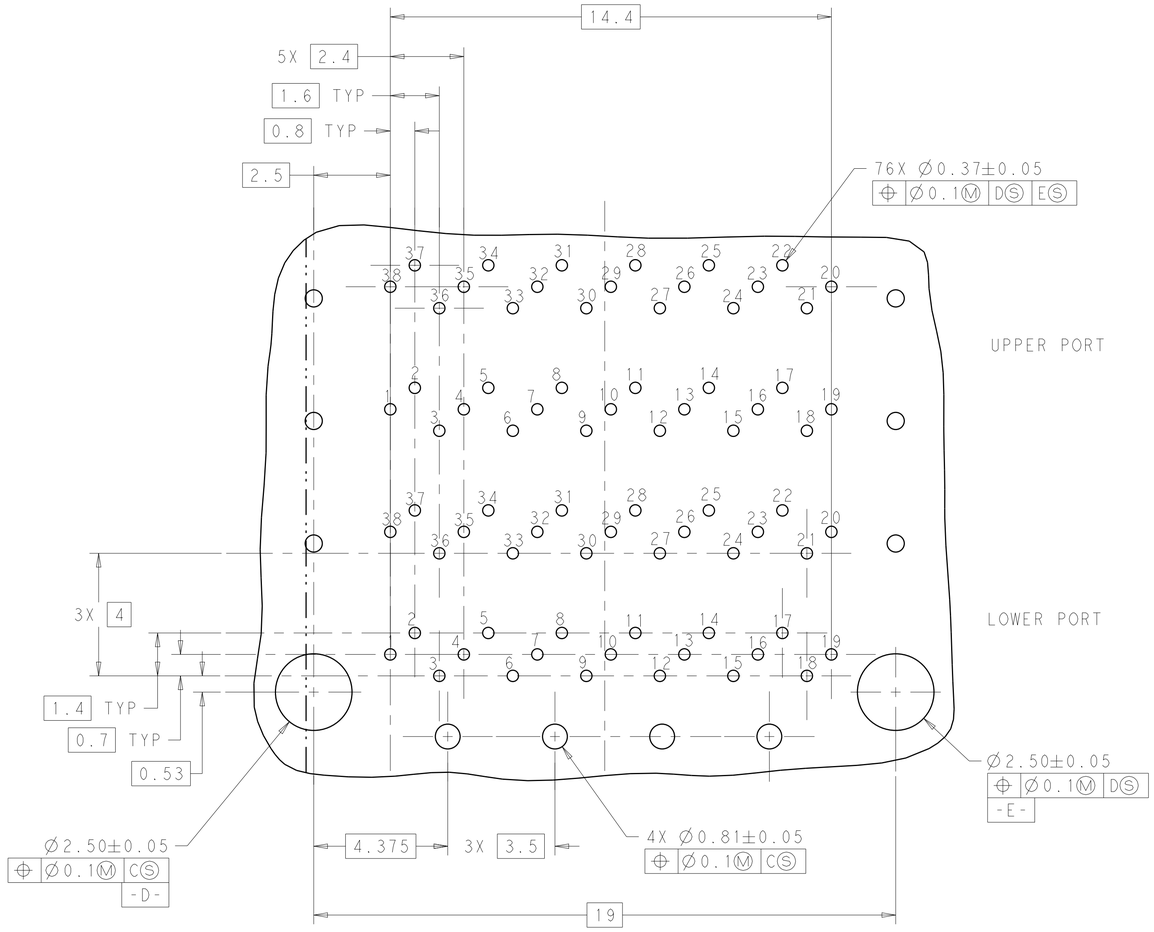
LOC	DIST
GP	00

REVISIONS

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



RECOMMENDED PC BOARD LAYOUT
COMPONENT SIDE OF BOARD
(PCB TOLERANCE ±0.05)
SCALE 5:1



DETAIL G
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE NOTE 1
FINISH - SEE NOTE 2

DWN TIM XUE 28JAN2016
CHK SEAN HAN 28JAN2016
APVD SEAN HAN 28JAN2016
PRODUCT SPEC 108-60102
APPLICATION SPEC 114-60015
WEIGHT -

TE Connectivity

NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS

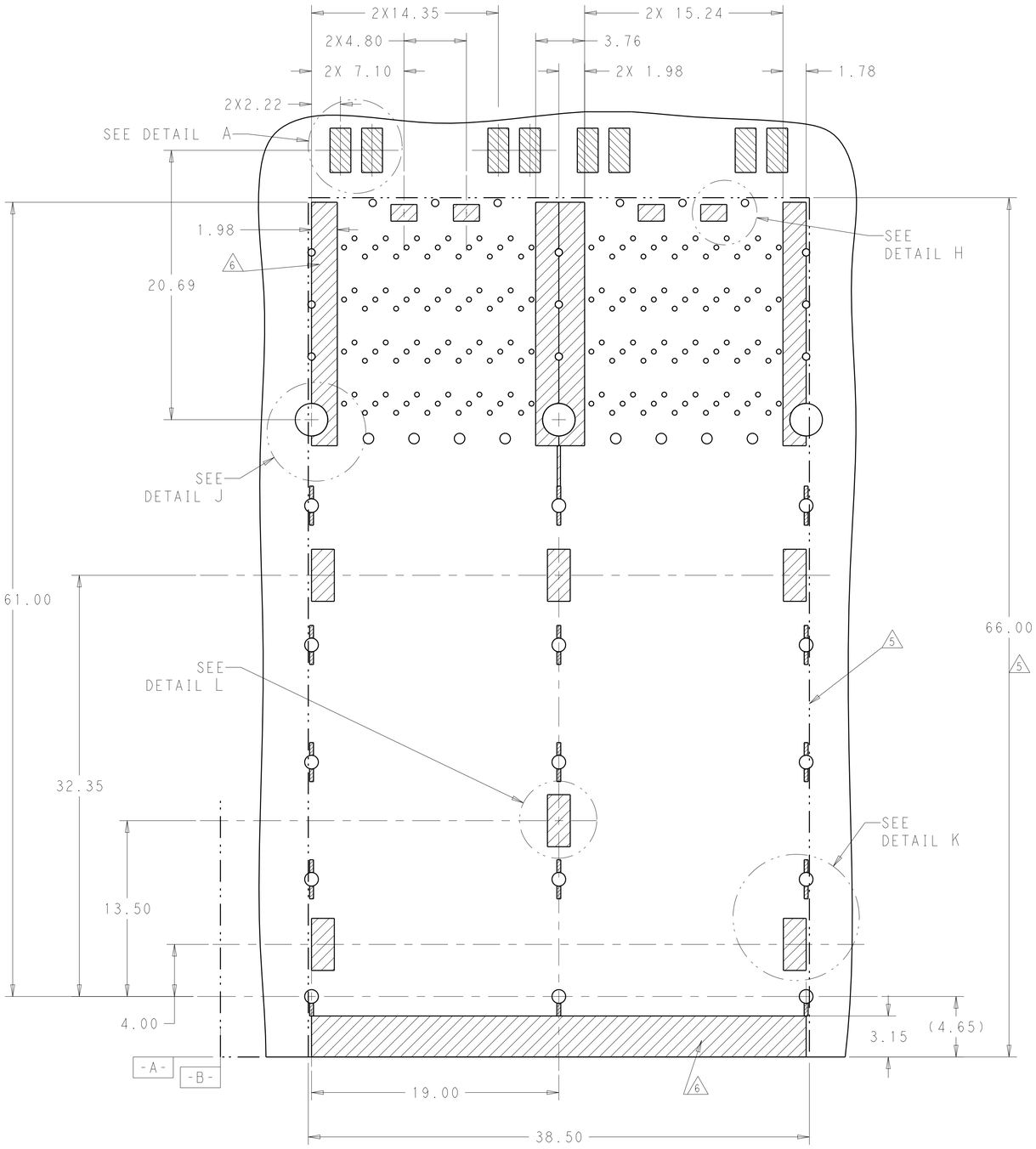
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2299870	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 7 OF 8 | REV B

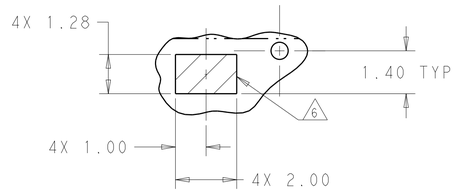
LOC	DIST
GP	00

REVISIONS

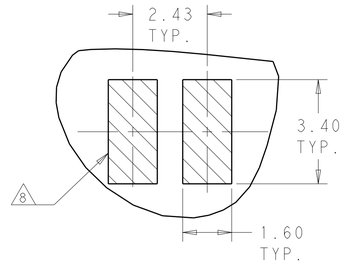
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



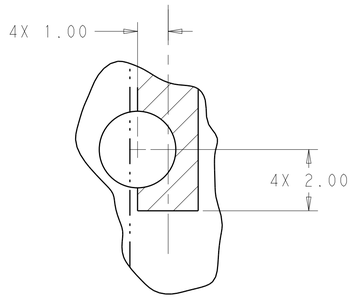
KEEPOUT AREAS
COMPONENT SIDE OF BOARD
(PCB TOLERANCE ±0.05)
SCALE 5:1



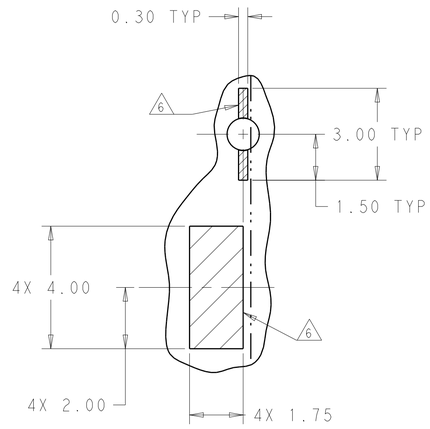
DETAIL H
SCALE 10:1



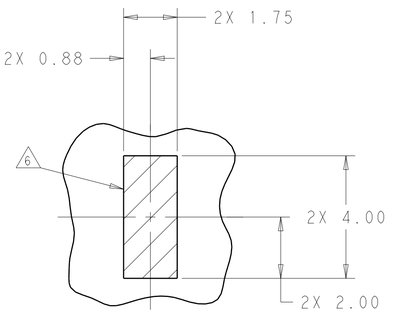
DETAIL A
SCALE 10:1



DETAIL J
LED PADS
SCALE 10:1



DETAIL K
SCALE 10:1



DETAIL L
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE NOTE 1
FINISH - SEE NOTE 2

DWN TIM XUE 28JAN2016
CHK SEAN HAN 28JAN2016
APVD SEAN HAN 28JAN2016
PRODUCT SPEC 108-60102
APPLICATION SPEC 114-60015
WEIGHT -

TE Connectivity

NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2299870 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 4:1 | SHEET 8 OF 8 | REV B

OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

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