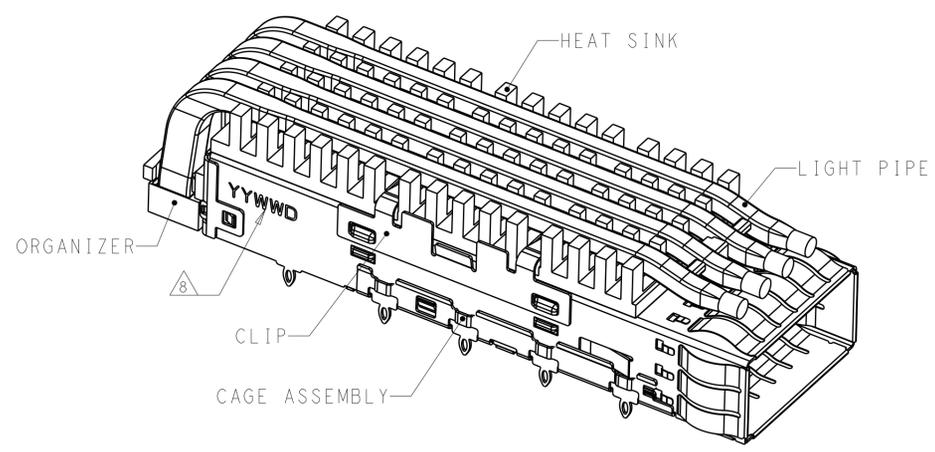
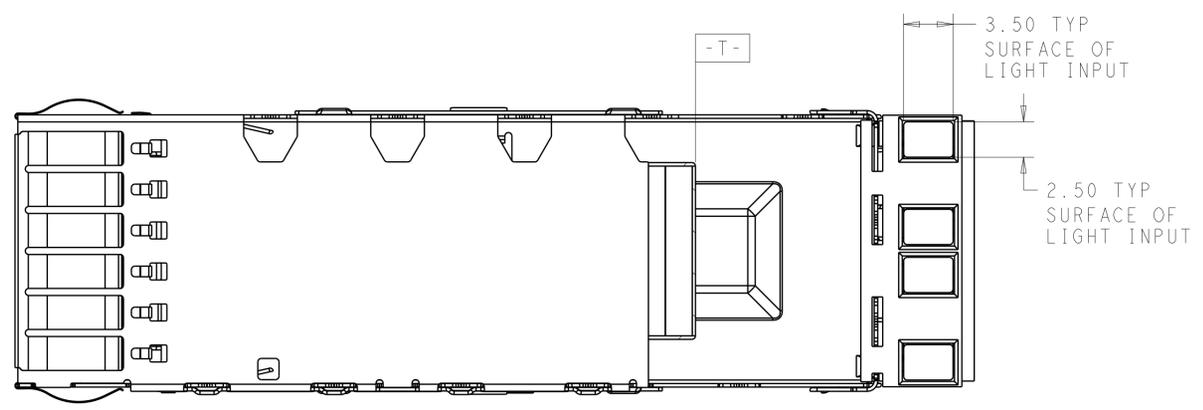
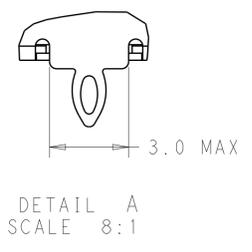
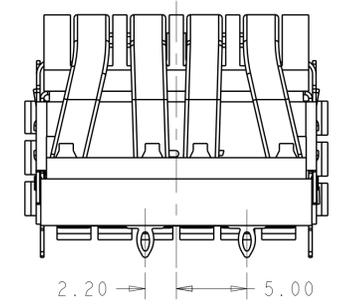
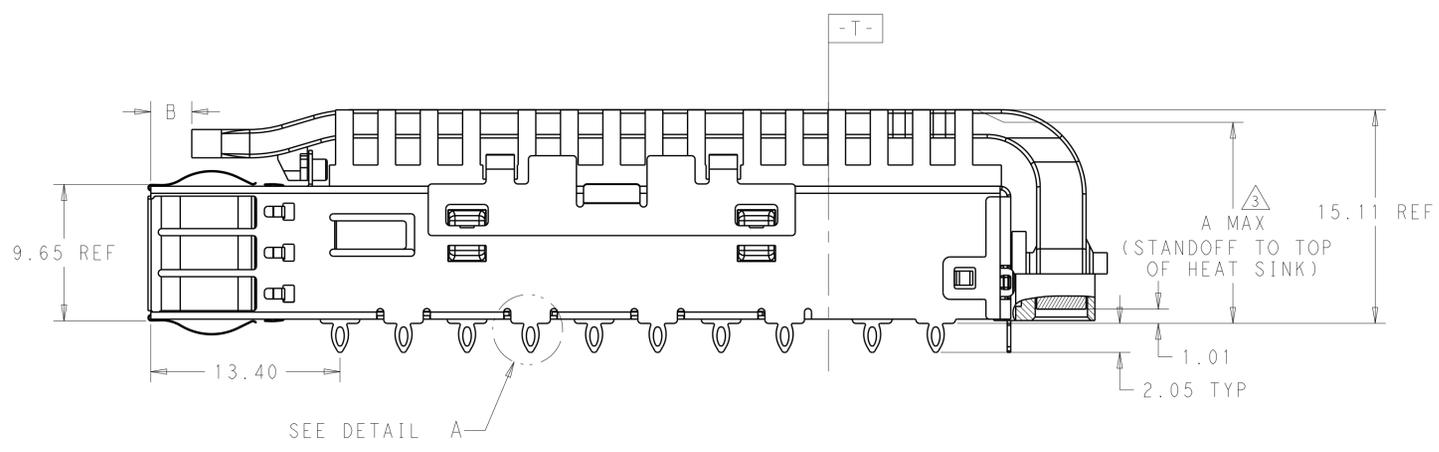
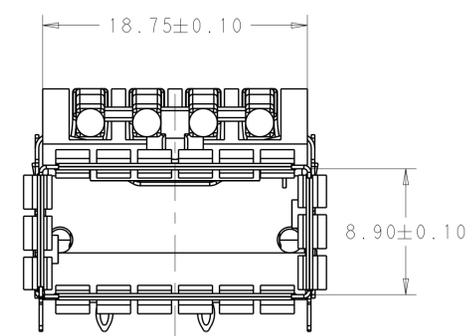
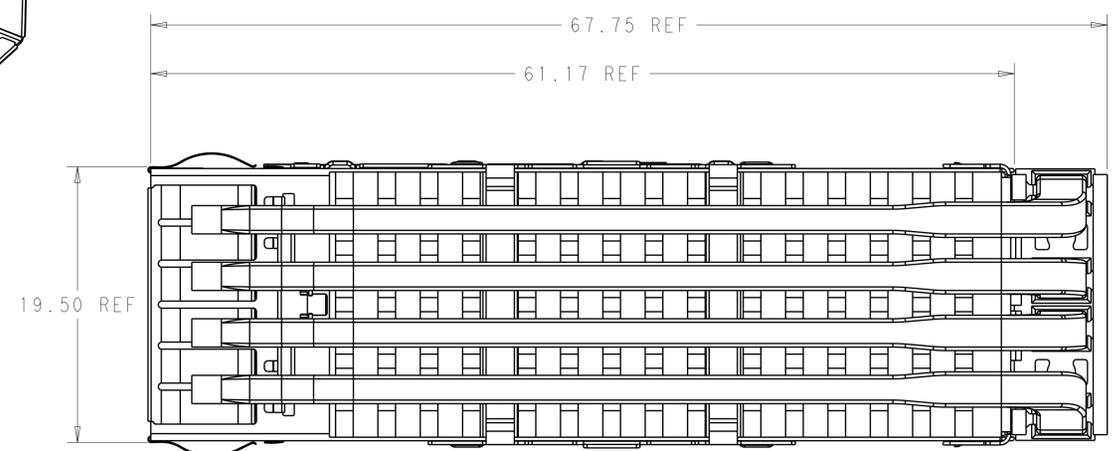


LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APV		
4		ADD NEW DASH NUMBER	30DEC2015	AJ	SH		
5		ADD NEW PN 5-2170705-0	26JAN2016	JY	SH		
6		CHANGE 5-2170705-0 TO 5-2170705-7	27JAN2016	JY	SH		
7		UPDATE MODEL SHOW AND ADD DIM 16.50	07MAR2016	JY	SH		



4-2170705-2 SHOWN  
SCALE 3:1



- MATERIAL: CAGE MATERIAL : 0.25 THICK NICKEL SILVER.  
 SPRING MATERIAL: COPPER ALLOY  
 HEAT SINK MATERIAL: ALUMINUM  
 CLIP MATERIAL: STAINLESS STEEL  
 LIGHT PIPE MATERIAL: POLYCARBONATE WITH 94 V-0  
 ORGANIZER MATERIAL: POLYESTER WITH 94 V-0
- FINISH: SPRING: NICKEL PLATING  
 HEAT SINK: BLACK ANODIZE
- DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE TO TOP OF HEAT SINK.
- REFERENCE APPLICATION SPEC 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.
- MINIMUM PC BOARD THICKNESS : SINGLES SIDED: 1.57 MIN  
 DOUBLE SIDED: 3.00 MIN
- DATUM **-A-** IS TOP SURFACE OF THE HOST BOARD.
- DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN
- THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
- MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

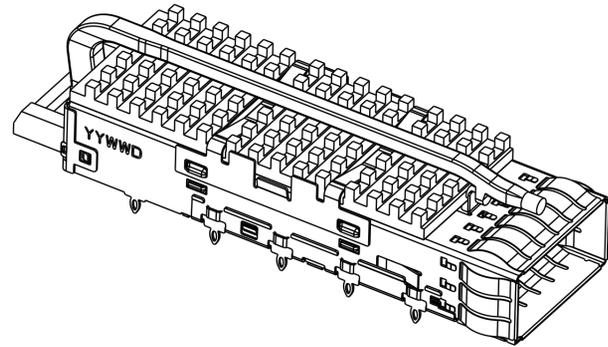
4-2170705-2 AS SHOWN

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

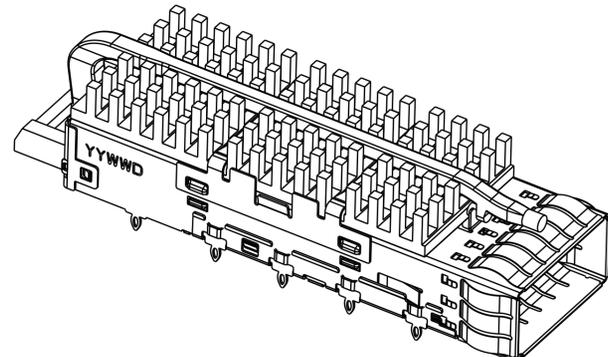
THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN	07MAR2014	<b>STE</b> TE Connectivity
DIMENSIONS:		CHK	JASON YANG	
mm		CHK	SEAN HAN	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APV	07MAR2014	
0 PLC ±0.25		PRODUCT SPEC		<b>PRELIMINARY</b>
1 PLC ±0.25		108-19428		
2 PLC ±0.20		APPLICATION SPEC		CAGE ASSEMBLY QSFP28 THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE
3 PLC ±0.100		114-32023		
4 PLC ±"		WEIGHT		SIZE
ANGLES		FINISH		CAGE CODE
MATERIAL		CUSTOMER DRAWING		DRAWING NO
		SCALE		RESTRICTED TO
		SHEET		1
		OF		7
		REV		7

LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION	DATE	OWN	APVD		
-	-	SEE SHEET 1	-	-	-		

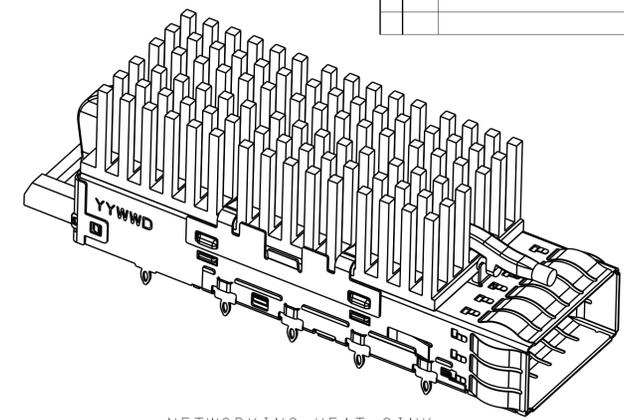
# HEAT SINK OPTIONS



PCI HEAT SINK  
SCALE 5:2

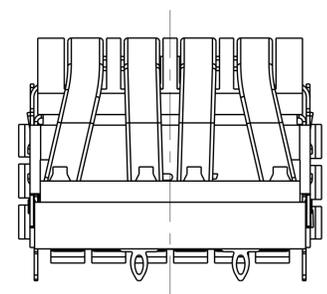


SAN HEAT SINK  
SCALE 5:2

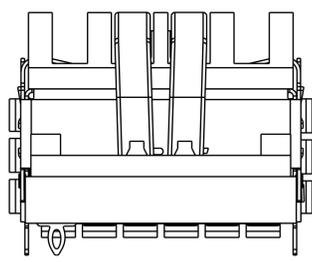


NETWORKING HEAT SINK  
SCALE 5:2

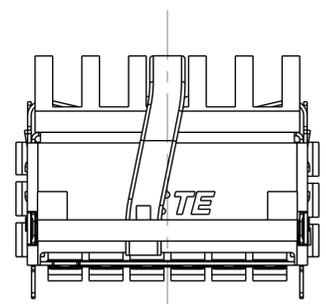
# # OF REAR LEGS OPTIONS



2 REAR LEGS  
SCALE 4:1

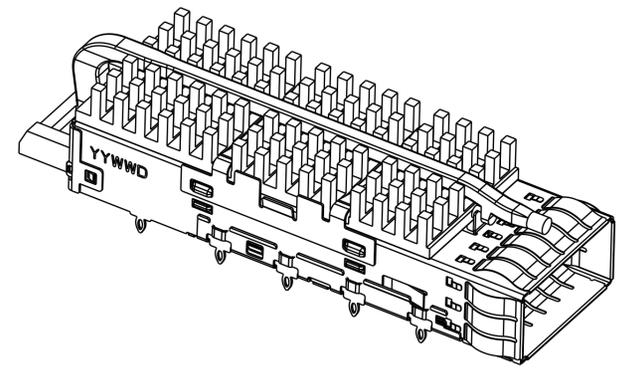


1 REAR LEG  
SCALE 4:1

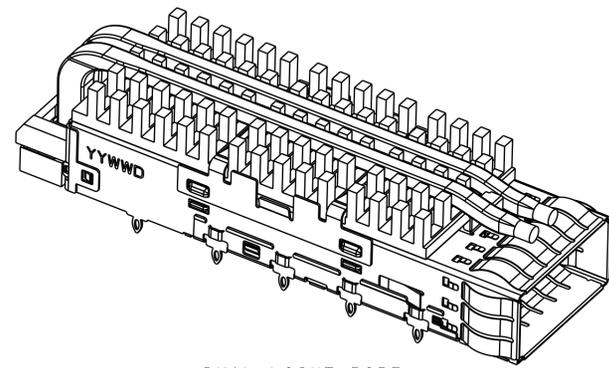


0 REAR LEG  
SCALE 4:1

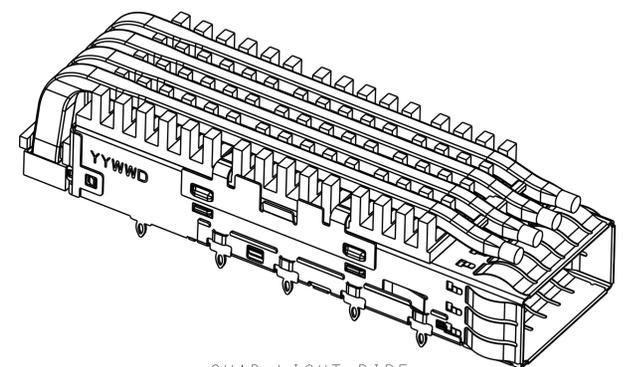
# LIGHT PIPE OPTIONS



SINGLE LIGHT PIPE  
WITHOUT ORGANIZER  
SCALE 5:2



DUAL LIGHT PIPE  
SCALE 5:2



QUAD LIGHT PIPE  
SCALE 5:2

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 07MAR2014	
		CHK: SEAN HAN 26JAN2016	
DIMENSIONS:		APVD: 07MAR2014	NAME: CAGE ASSEMBLY, OSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE PRODUCT SPEC: 108-19428 APPLICATION SPEC: 114-32023
TOLERANCES UNLESS OTHERWISE SPECIFIED: mm: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.100 ANGLES ±°		SIZE: A1 CAGE CODE: 00779 DRAWING NO: C=2170705 WEIGHT: - CUSTOMER DRAWING	
MATERIAL: -		FINISH: -	RESTRICTED TO: -
		SCALE: 4:1	SHEET 1 OF 7 REV 7

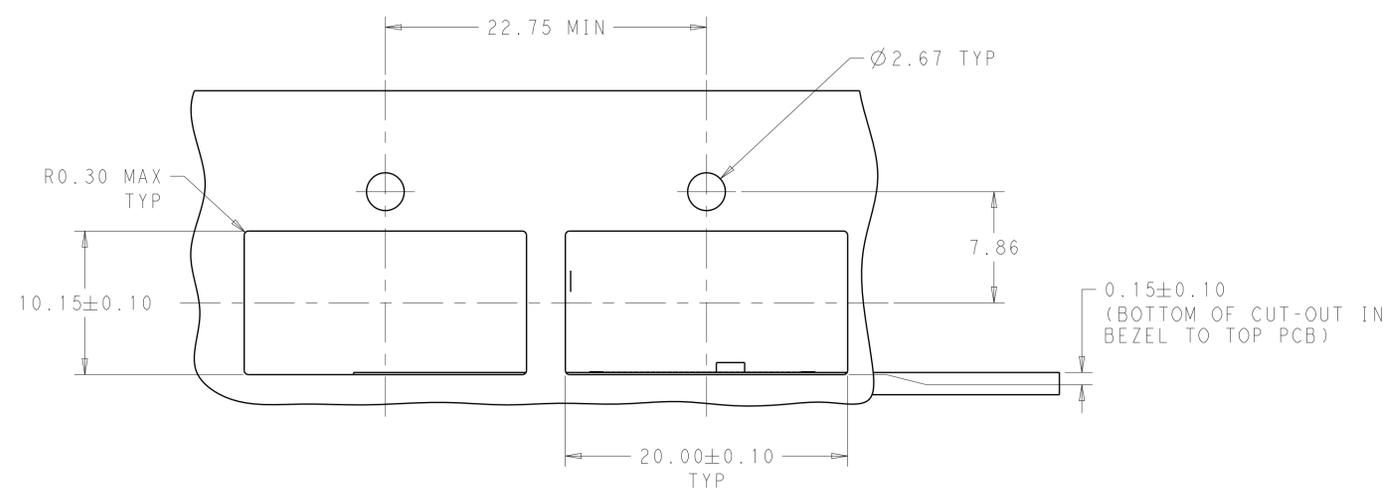
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P	LTN	DESCRIPTION	DATE	DMN	APVD		
-		SEE SHEET 1	-	-	-		

# BOM

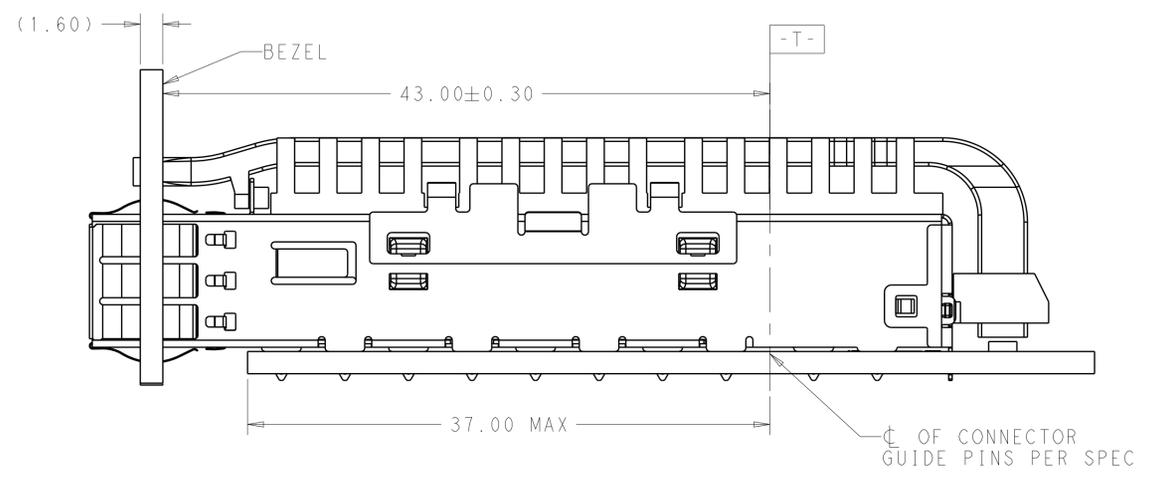
3.4	1	23.0	NETWORKING	QUAD LP	5-2170705-9
2.9	1	13.7	PCI	COATED QUAD LP	5-2170705-7
	0	31.6	CUSTOMIZED	QUAD LP	5-2170705-1
	1	23.0	NETWORKING	QUAD LP	4-2170705-9
	1	16.0	SAN	QUAD LP	4-2170705-8
	1	13.7	PCI	QUAD LP	4-2170705-7
	0	23.0	NETWORKING	QUAD LP	4-2170705-6
	0	16.0	SAN	QUAD LP	4-2170705-5
	0	13.7	PCI	QUAD LP	4-2170705-4
	2	23.0	NETWORKING	QUAD LP	4-2170705-3
	2	16.0	SAN	QUAD LP	4-2170705-2
	2	13.7	PCI	QUAD LP	4-2170705-1
	1	23.0	NETWORKING	DUAL LP	2-2170705-9
	1	16.0	SAN	DUAL LP	2-2170705-8
	1	13.7	PCI	DUAL LP	2-2170705-7
	0	23.0	NETWORKING	DUAL LP	2-2170705-6
	0	16.0	SAN	DUAL LP	2-2170705-5
	0	13.7	PCI	DUAL LP	2-2170705-4
	2	23.0	NETWORKING	DUAL LP	2-2170705-3
	2	16.0	SAN	DUAL LP	2-2170705-2
	2	13.7	PCI	DUAL LP	2-2170705-1
1	23.0	NETWORKING	SINGLE LP	2170705-9	
1	16.0	SAN	SINGLE LP	2170705-8	
1	13.7	PCI	SINGLE LP	2170705-7	
0	23.0	NETWORKING	SINGLE LP	2170705-6	
0	16.0	SAN	SINGLE LP	2170705-5	
0	13.7	PCI	SINGLE LP	2170705-4	
2	23.0	NETWORKING	SINGLE LP	2170705-3	
2	16.0	SAN	SINGLE LP	2170705-2	
2	13.7	PCI	SINGLE LP	2170705-1	
DIM B	# REAR PINS	DIM A	APPLICATION (HEAT SINK OPTION)	LIGHT PIPE OPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN	JASON YANG	07MAR2014	 TE Connectivity
		CHK	SEAN HAN	26JAN2016	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	07MAR2014
mm	0 PLC ±0.25	1 PLC ±0.25	2 PLC ±0.25	PRODUCT SPEC	
	3 PLC ±0.25	4 PLC ±0.100	ANGLES ±°	108-19428	
MATERIAL	FINISH	WEIGHT		APPLICATION SPEC	
-	-	-		114-32023	
CUSTOMER DRAWING		SCALE		RESTRICTED TO	
		4:1		A100779C=2170705	
		SHEET 1 OF 7		REV 7	

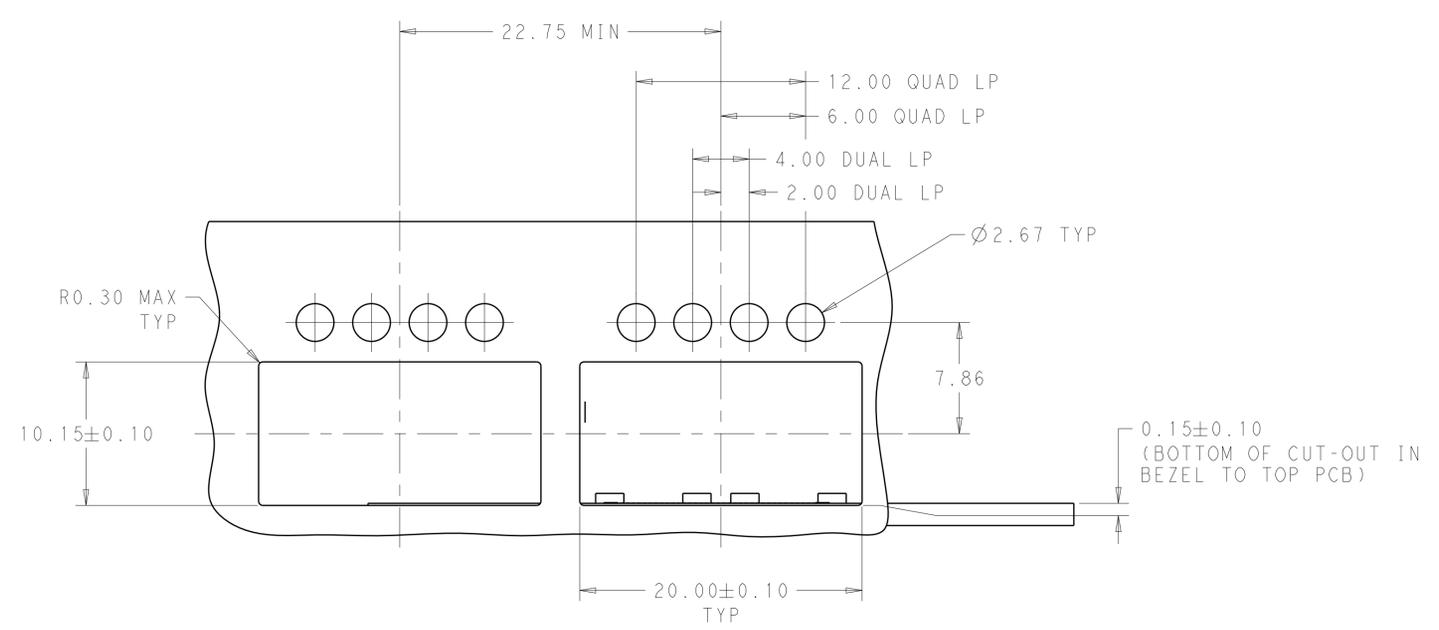
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P	LTN	DESCRIPTION	DATE	DMN	APVD		
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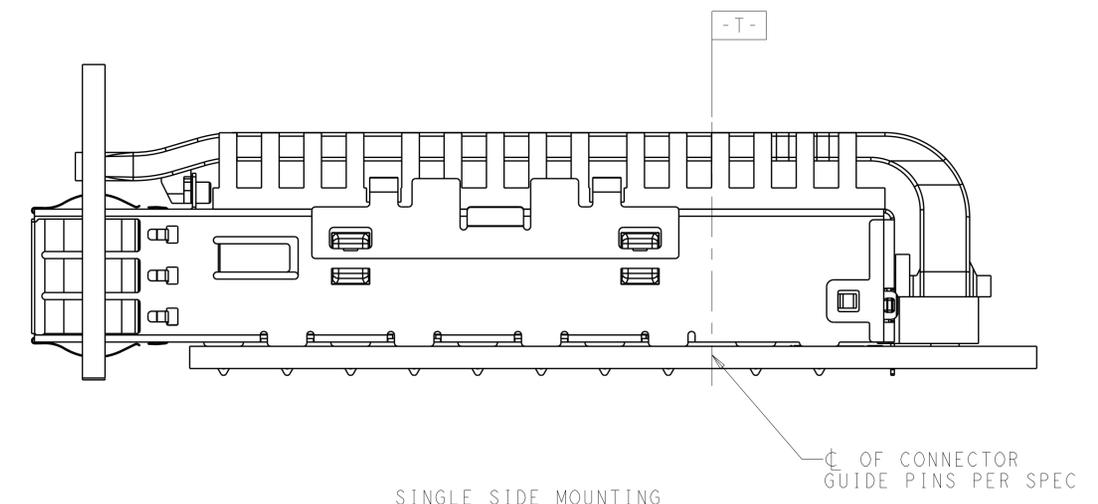
SINGLE LIGHT PIPE TYPE



SINGLE SIDE MOUNTING  
SCALE 4:1



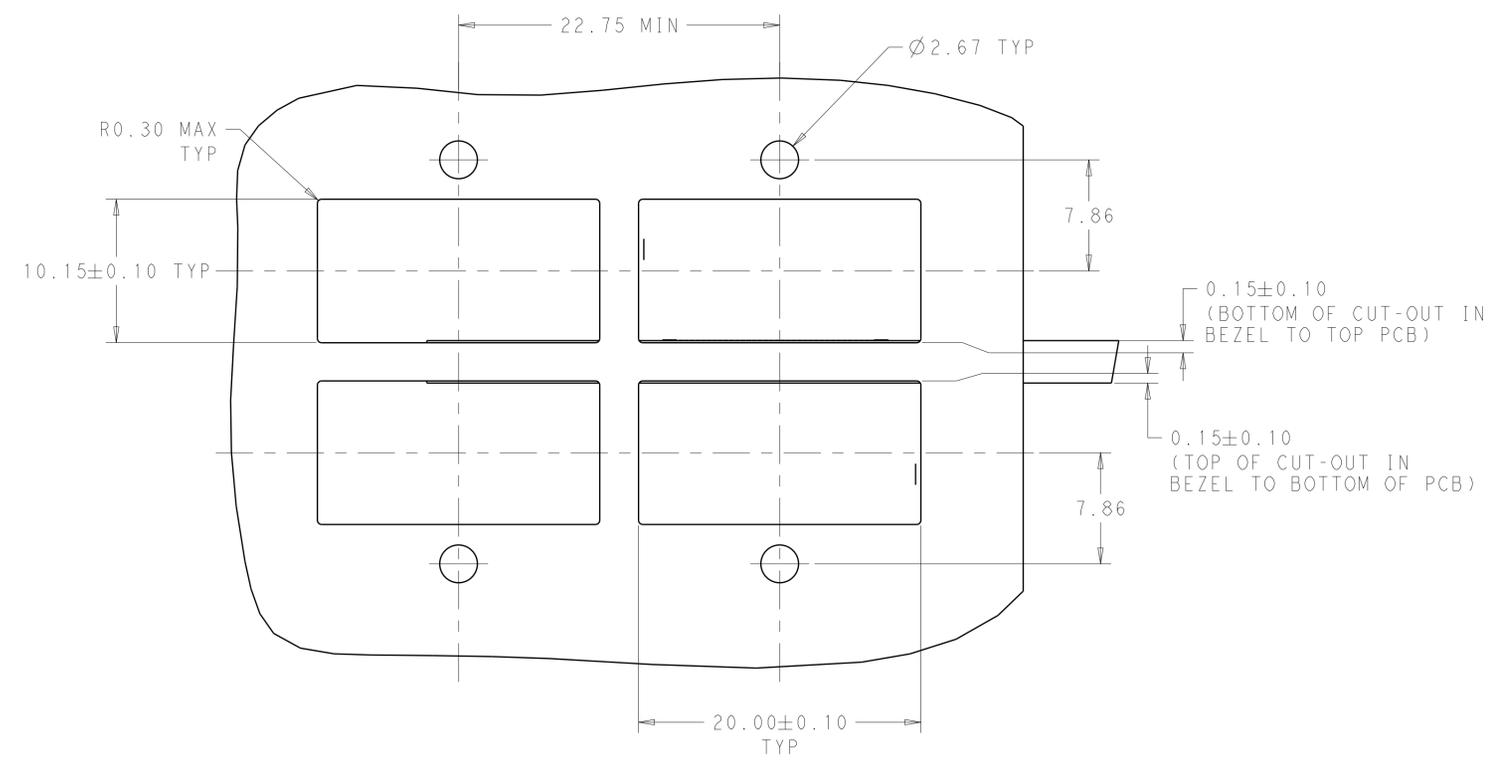
DUAL/QUAD LIGHT PIPE TYPE



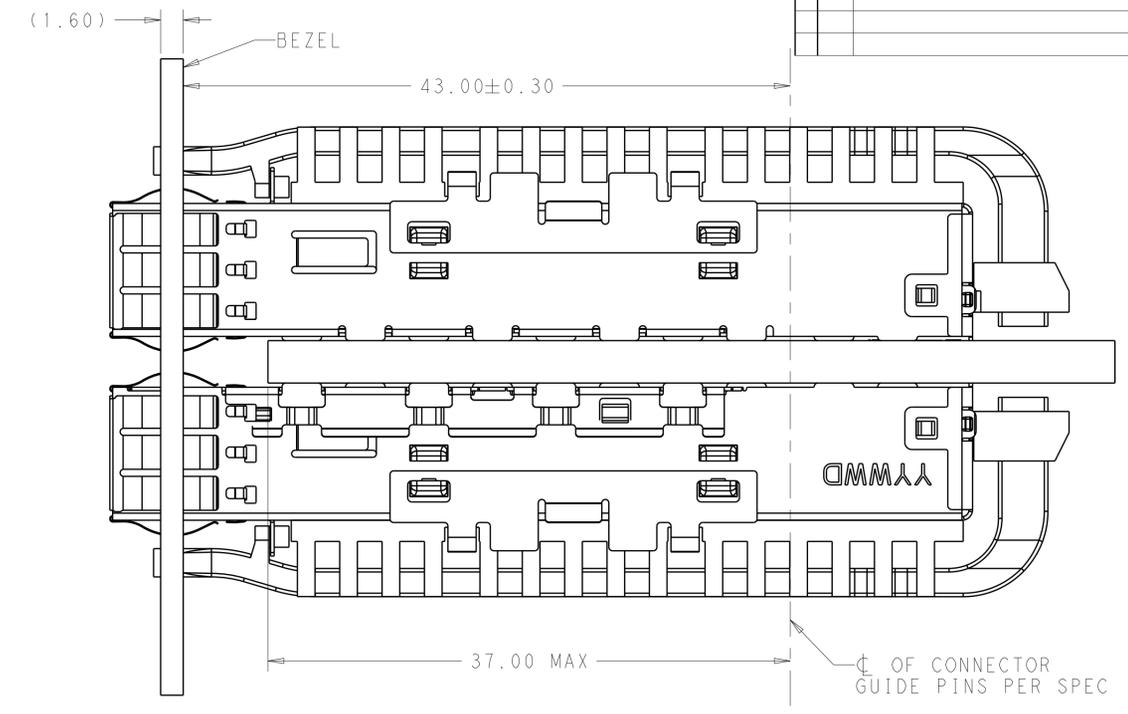
SINGLE SIDE MOUNTING  
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN	JASON YANG	07MAR2014	TE Connectivity
DIMENSIONS:		CHK	SEAN HAN	26JAN2016	
mm	0 PLC ±0.25	APVD	JASON YANG	07MAR2014	NAME
	1 PLC ±0.25	PRODUCT SPEC			CAGE ASSEMBLY, QSFP28, THRU BEZEL
	2 PLC ±0.25	APPLICATION SPEC			WITH EMI SPRING FINGER
	3 PLC ±0.20	APPLIC. SPEC			HEAT SINK, LIGHT PIPE
	4 PLC ±0.100	SIZE			CAGE CODE DRAWING NO
MATERIAL	FINISH	WEIGHT	114-32023	A100779	RESTRICTED TO
CUSTOMER DRAWING		SCALE	4:1	SHEET	1 OF 7
				REV	7

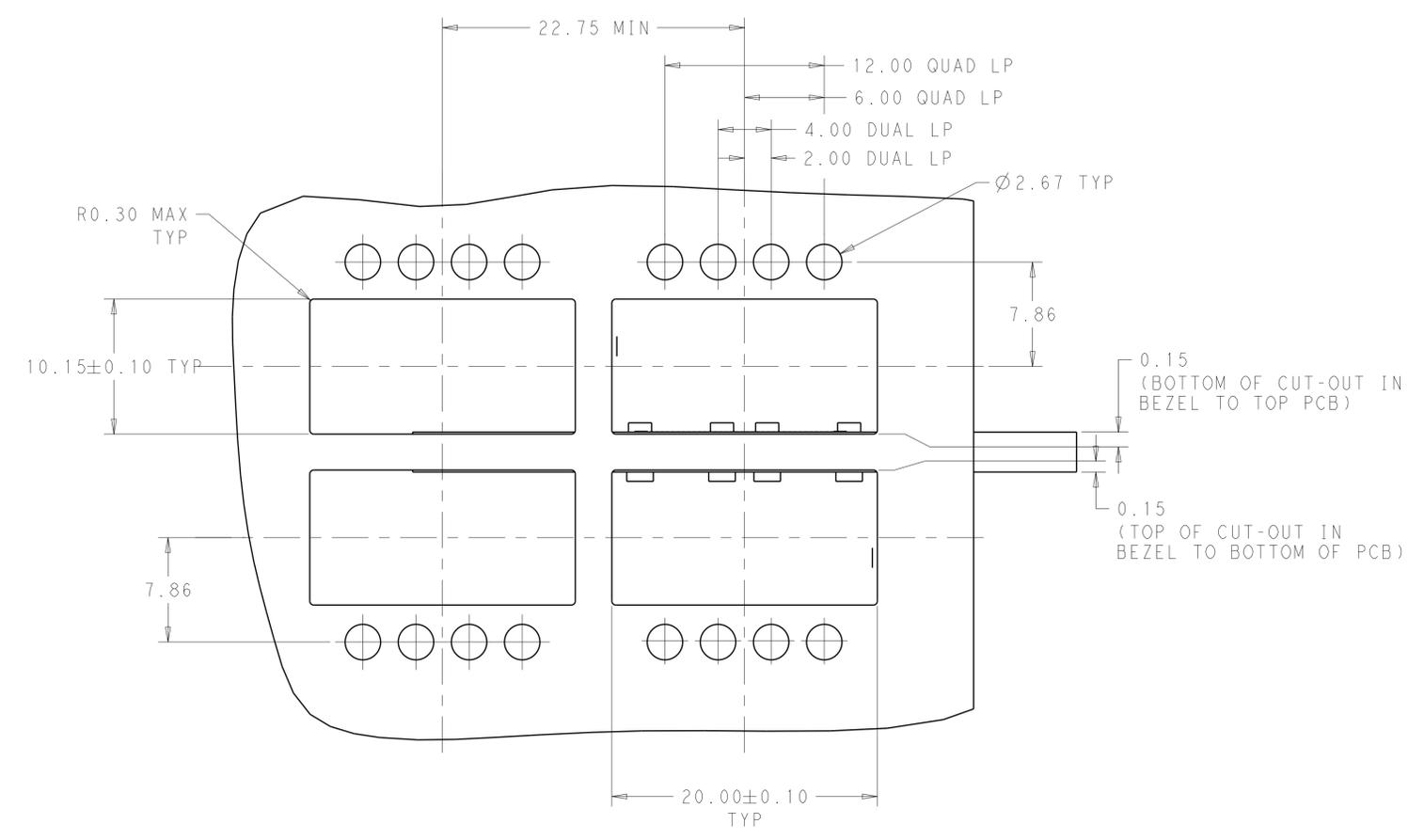
LOC	DIST	REV	DATE	BY	APPV
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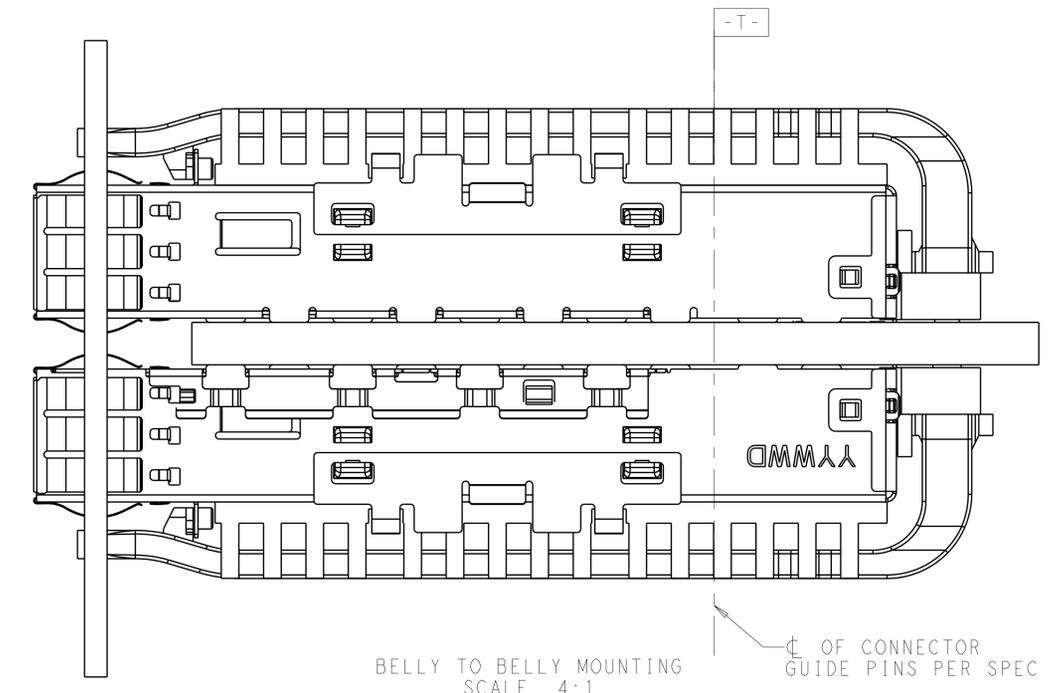
SINGLE LIGHT PIPE TYPE



BELLY TO BELLY MOUNTING  
SCALE 4:1



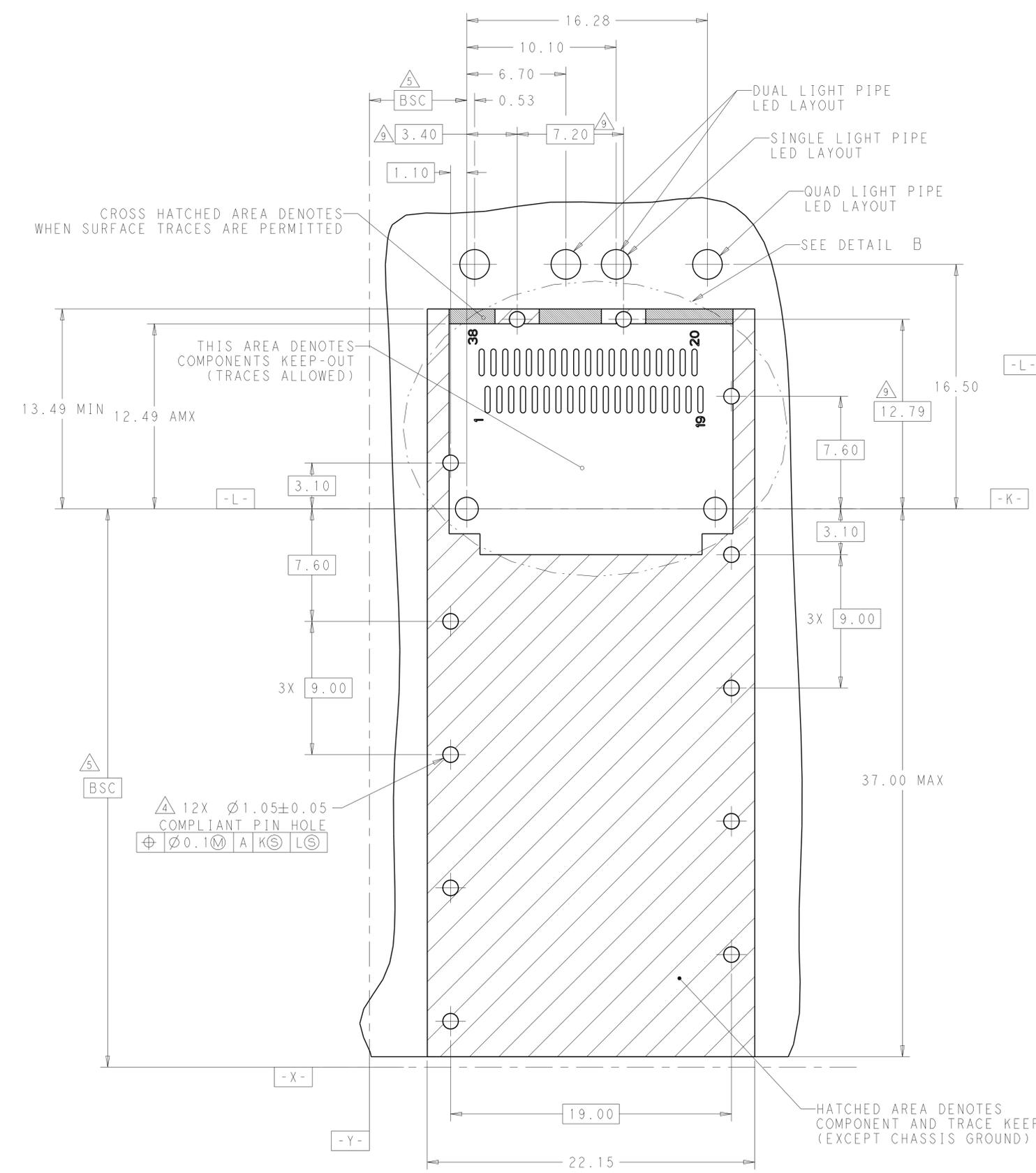
DUAL/QUAD LIGHT PIPE TYPE



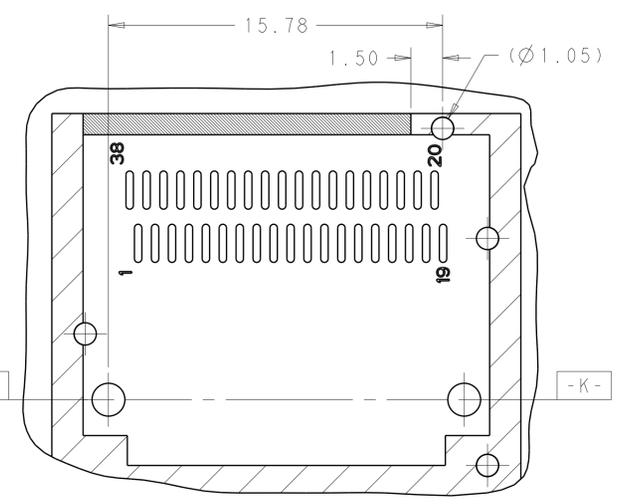
BELLY TO BELLY MOUNTING  
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 07MAR2014	TE Connectivity
DIMENSIONS: mm		CHK: SEAN HAN 26JAN2016	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: 07MAR2014	NAME: CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE
0 PLC	±0.25	PRODUCT SPEC	SIZE: A1
1 PLC	±0.25	108-19428	CAGE CODE: 114-32023
2 PLC	±0.25	APPLICATION SPEC	DRAWING NO: 2170705
3 PLC	±0.25	114-32023	RESTRICTED TO: -
4 PLC	±0.100	WEIGHT: -	SCALE: 4:1
ANGLES	±°	CUSTOMER DRAWING	SHEET 1 OF 7
MATERIAL	-		REV 7

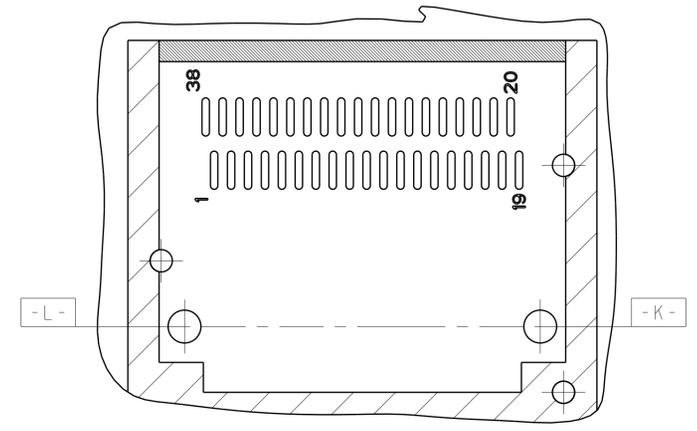
LOC	DIST	REV	DATE	BY	APPV
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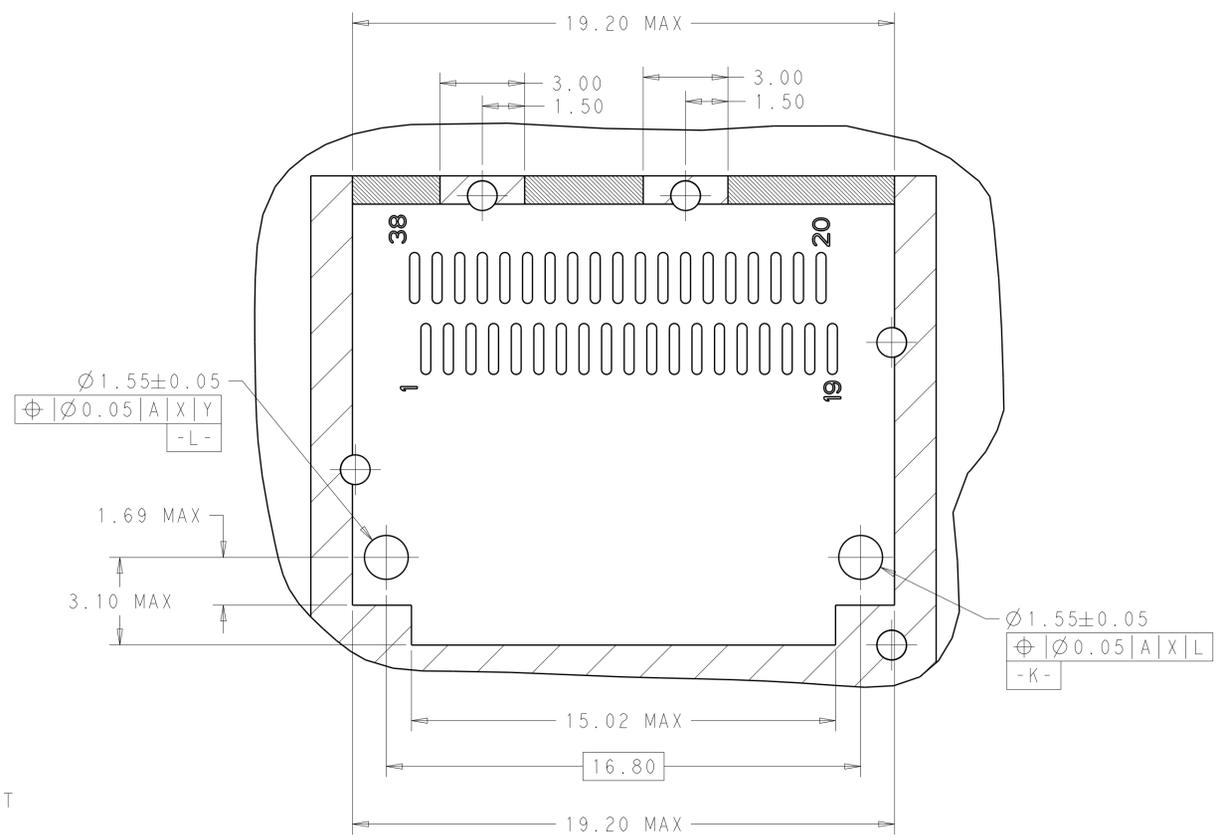
RECOMMENDED PCB LAYOUT  
 SINGLE TYPE OF 2 REAR HOLES OF LEGS  
 PCB TOLERANCE: ±0.05  
 SCALE 6:1



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



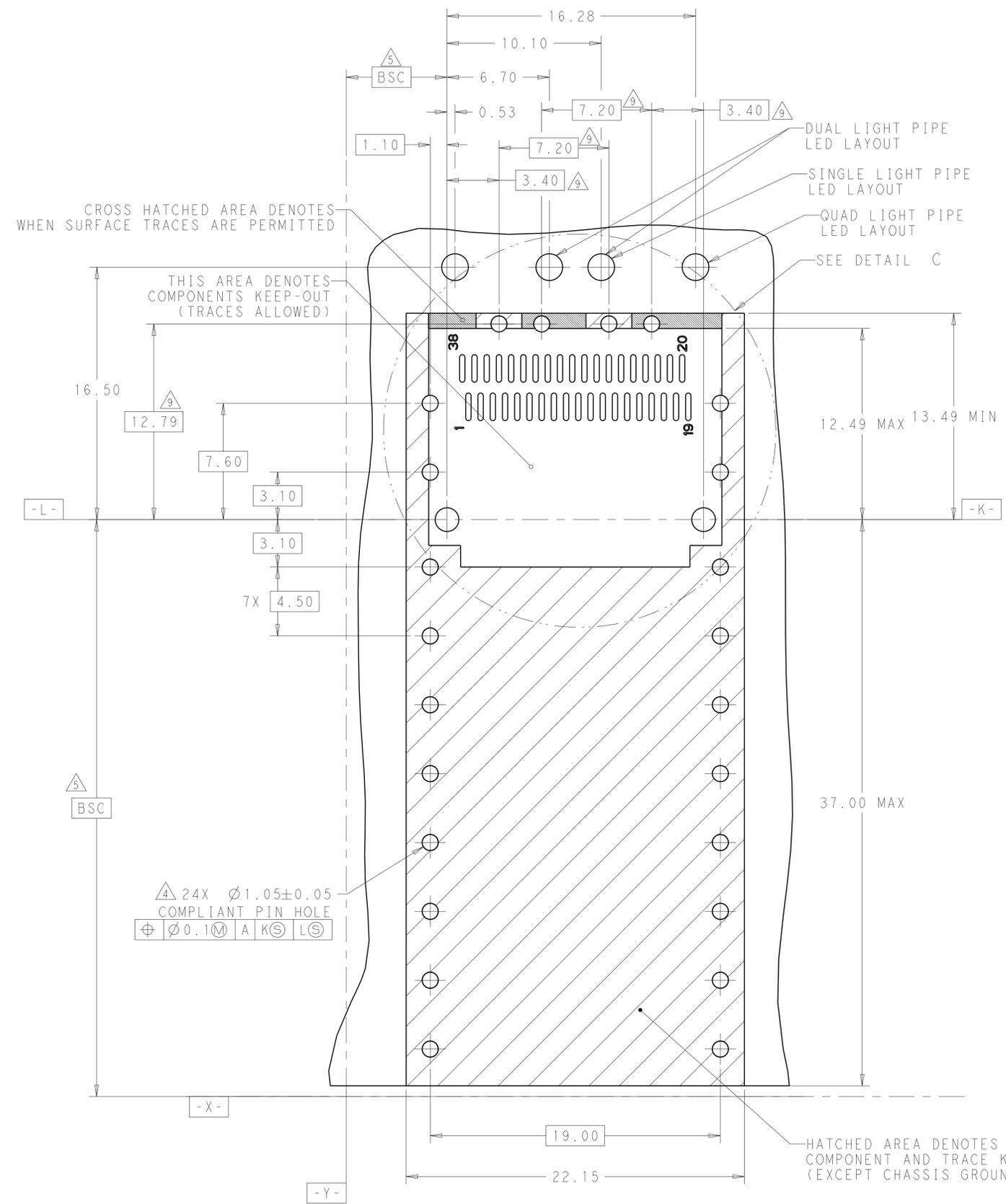
DETAIL B  
 SCALE 8:1

12X Ø1.05±0.05  
 COMPLIANT PIN HOLE  
 Ø0.1 A K S L

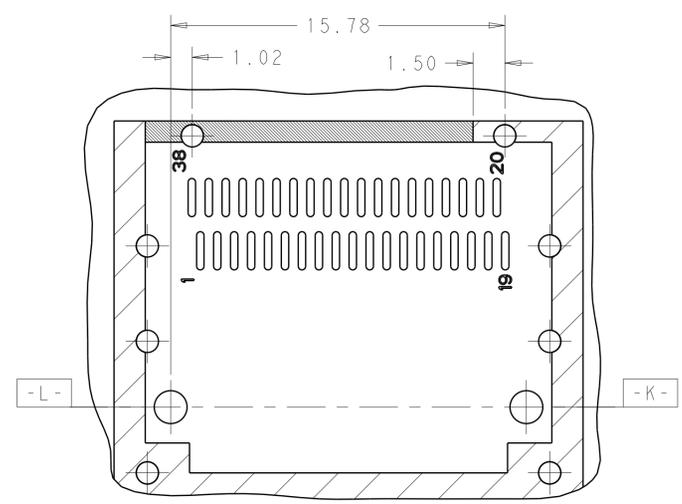
HATCHED AREA DENOTES  
 COMPONENT AND TRACE KEEP-OUT  
 (EXCEPT CHASSIS GROUND)

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 07MAR2014	TE Connectivity
DIMENSIONS: mm		CHK: SEAN HAN 26JAN2016	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: 07MAR2014	NAME: CAGE ASSEMBLY, QSPF28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE
0 PLC ±0.25	1 PLC ±0.25	PRODUCT SPEC 108-19428	SIZE: A100779
2 PLC ±0.20	3 PLC ±0.100	APPLICATION SPEC 114-32023	WEIGHT: -
4 PLC ±0.100	ANGLES ±°	FINISH: -	CUSTOMER DRAWING
MATERIAL: -		SCALE 4:1 SHEET 1 OF 7 REV 7	

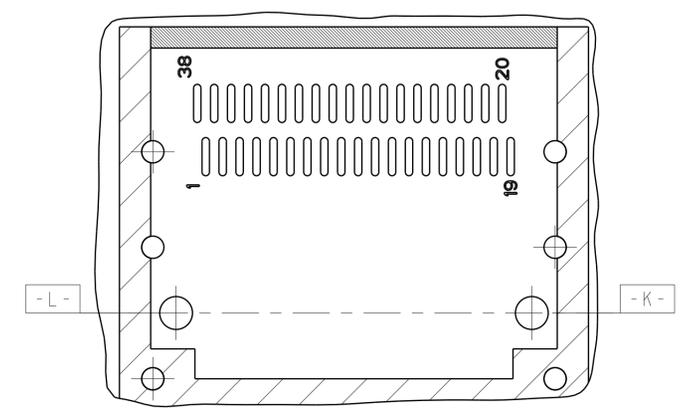
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		2			
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		8			



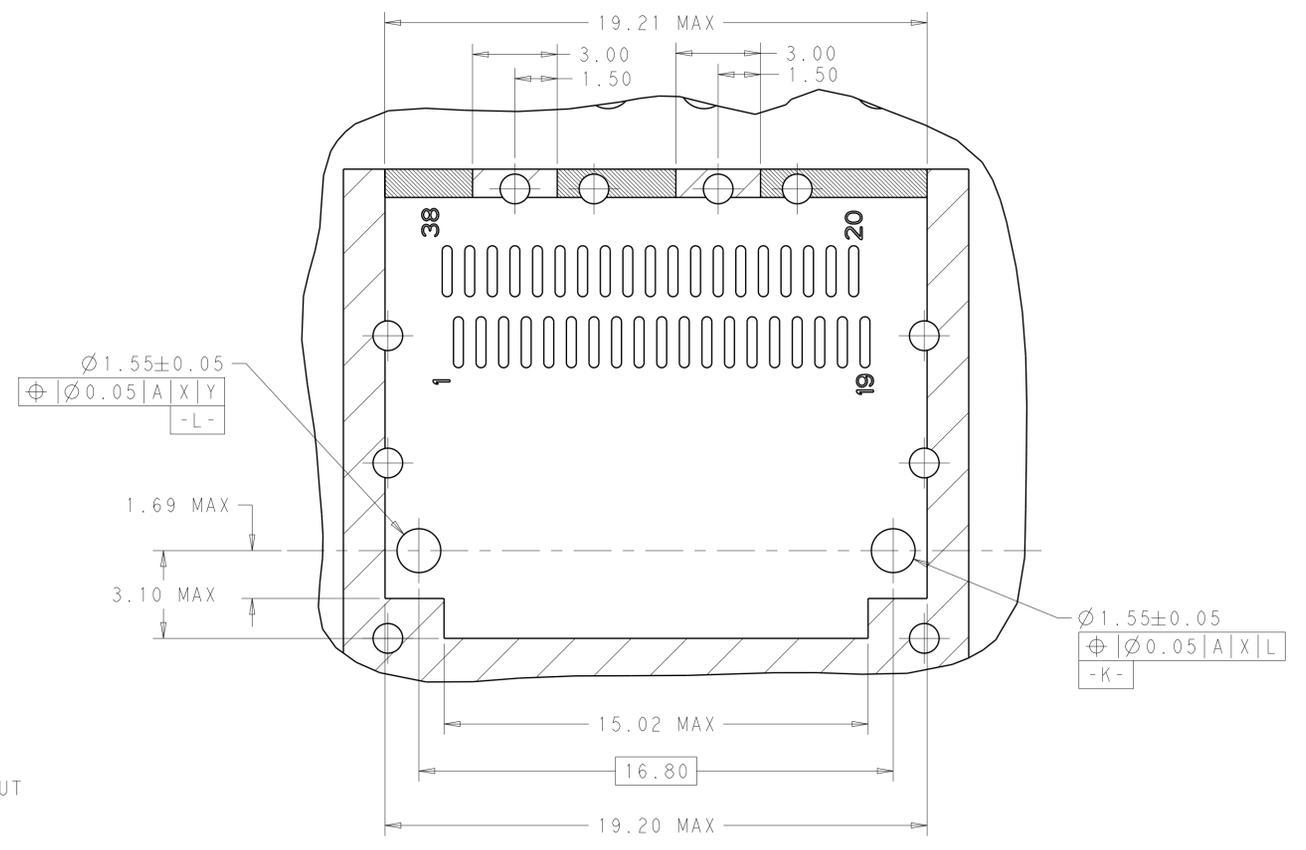
RECOMMENDED PCB LAYOUT  
BELLY TO BELLY TYPE OF 2 REAR HOLES OF LEGS  
PCB TOLERANCE:  $\pm 0.05$   
SCALE 6:1



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



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



DETAIL C  
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 07MAR2014	TE Connectivity
DIMENSIONS: mm		CHK: SEAN HAN 26JAN2016	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: 07MAR2014	NAME: CAGE ASSEMBLY, QSPF28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE
0 PLC $\pm 0.25$	1 PLC $\pm 0.25$	PRODUCT SPEC: 108-19428	SIZE: A1
2 PLC $\pm 0.20$	3 PLC $\pm 0.100$	APPLICATION SPEC: 114-32023	CAGE CODE: 2170705
4 PLC $\pm$	ANGLES $\pm$	WEIGHT: -	RESTRICTED TO: -
MATERIAL: -	FINISH: -	CUSTOMER DRAWING	SCALE: 4:1 SHEET 1 OF 7 REV 7

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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moschip.ru\_6

moschip.ru\_9