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1

MATERIALS/FINISH:
CAGE ASSEMBLY - NICKEL-SILVER ALLOY, (0.25) THICK
EMI SPRINGS - COPPER ALLOY/2µm MIN TIN
FRONT FLANGE - ZINC ALLOY/3µm MIN TIN OVER 1.27µm MIN NICKEL OVER 5.08µm MIN COPPER
HEAT SINK - ALUMINUM/NICKEL
HEAT SINK CLIP - STAINLESS STEEL
LIGHT PIPE: CLEAR POLYCARBONATE

2

SPACING BETWEEN CAGES ON THE SAME PCB TO BE SPECIFIED BY THE CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSION SHOWN

3

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

4

DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

5

HEAT SINKS AND CLIPS ARE SHIPPED ASSEMBLED, CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED

6

DIMENSION APPLIES WITH MODULE INSERTED IN CAGE

7

UNPLATED THRU HOLE

8

MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER

9

SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS CONTACT PCB

10

BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE

11

DATE CODE (YYWWD) IS MARKED ON TOP OF CAGE BUT IS CONCEALED BY HEAT SINKS, APPLIES TO CAGE ASSEMBLY ONLY

12

REFERENCE APPLICATION SPECIFICATION 114-32023 FOR GASKET THICKNESS CALCULATION

13

HEAT SINKS, LIGHT PIPES AND CLIPS ARE SHIPPED ASSEMBLED, CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.

14

HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED. LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED IN THE PCB.

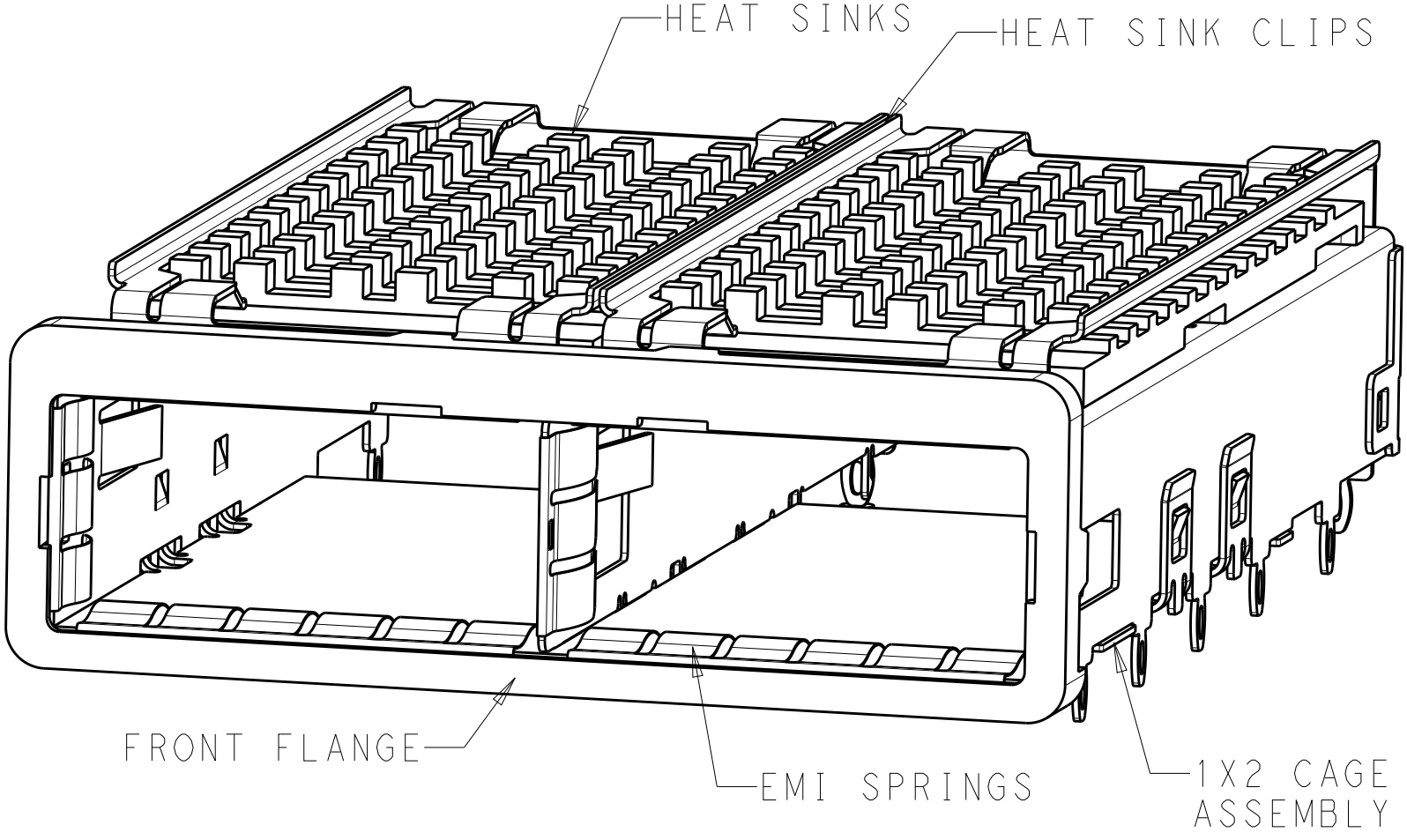
HEAT SINKS

HEAT SINK CLIPS

FRONT FLANGE

EMI SPRINGS

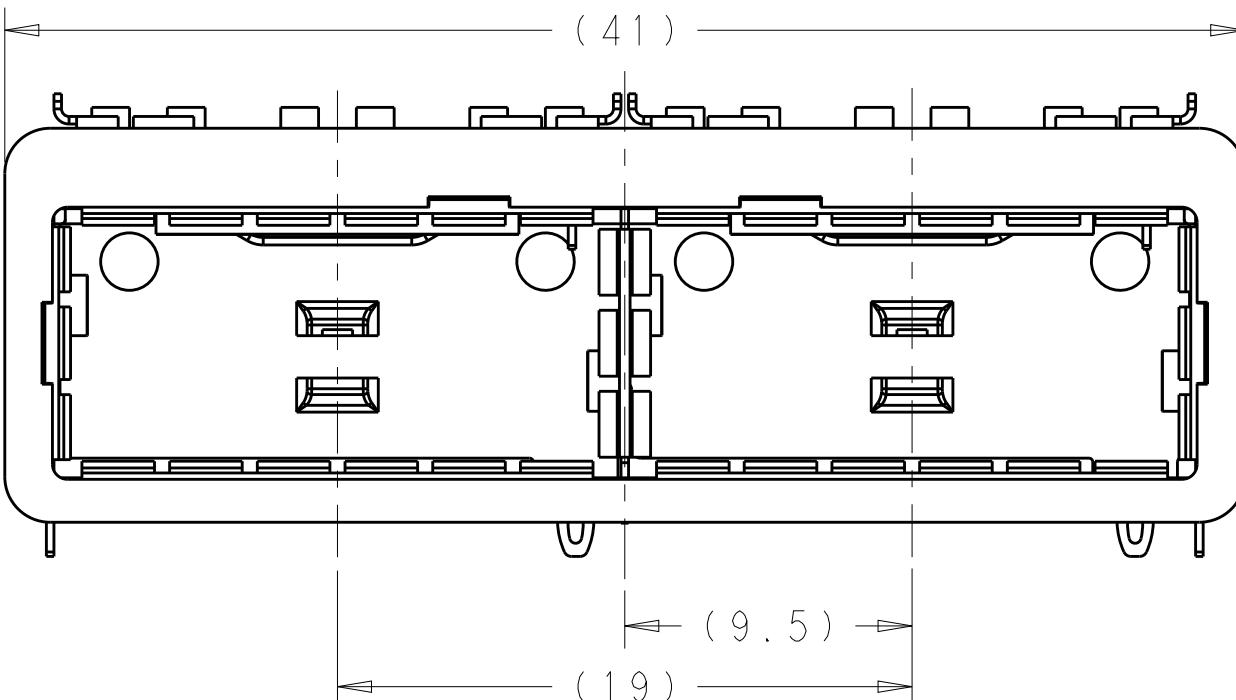
1X2 CAGE ASSEMBLY



(41)

(9.5)

(19)

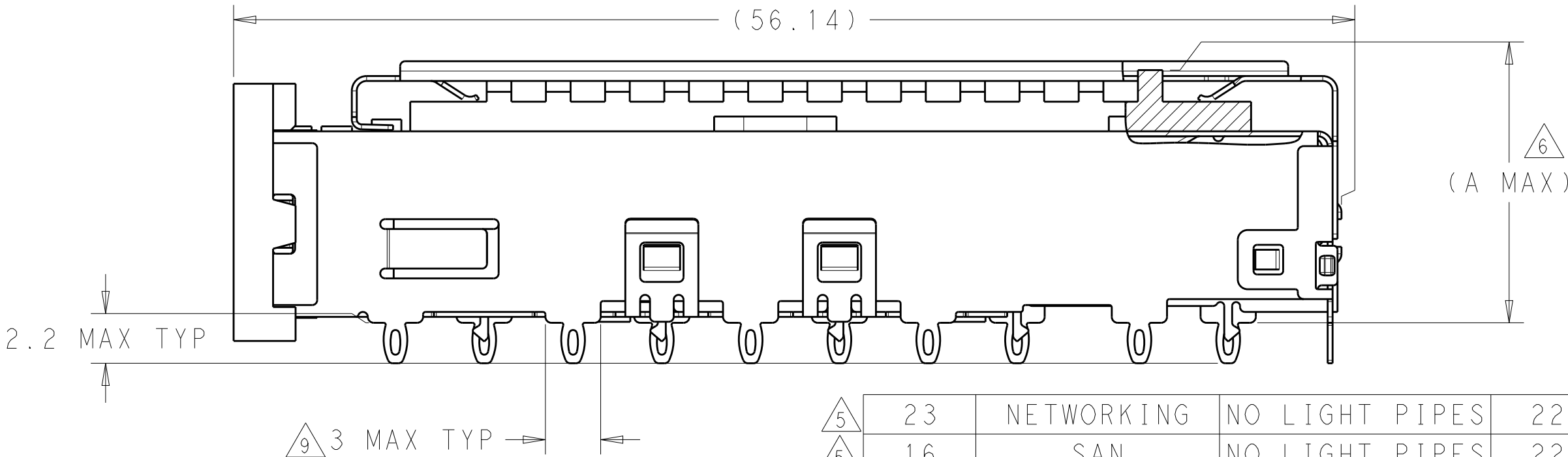


(56.14)

2.2 MAX TYP

9.3 MAX TYP

(A MAX)



5

23

NETWORKING

NO LIGHT PIPES

2227103-3

5

16

SAN

NO LIGHT PIPES

2227103-2

5

13.7

PCI

NO LIGHT PIPES

2227103-1

A

HEAT SINK PROFILE

DESCRIPTION

PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.2

1 PLC ±0.15

2 PLC ±0.1

3 PLC ±0.05

4 PLC ±0.025

ANGLES ±1

FINISH

MATERIAL

SEE NOTES

DWN M.E. COWHER 10AUG2012

CHK R.R. HENRY 16AUG2012

APVD R.R. HENRY 16AUG2012

PRODUCT SPEC 108-19428

APPLICATION SPEC 114-32023

WEIGHT -

Customer Drawing

TE Connectivity

RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X2, QSFP28

SIZE A2 CAGE CODE 00779 DRAWING NO C-2227103

RESTRICTED TO -

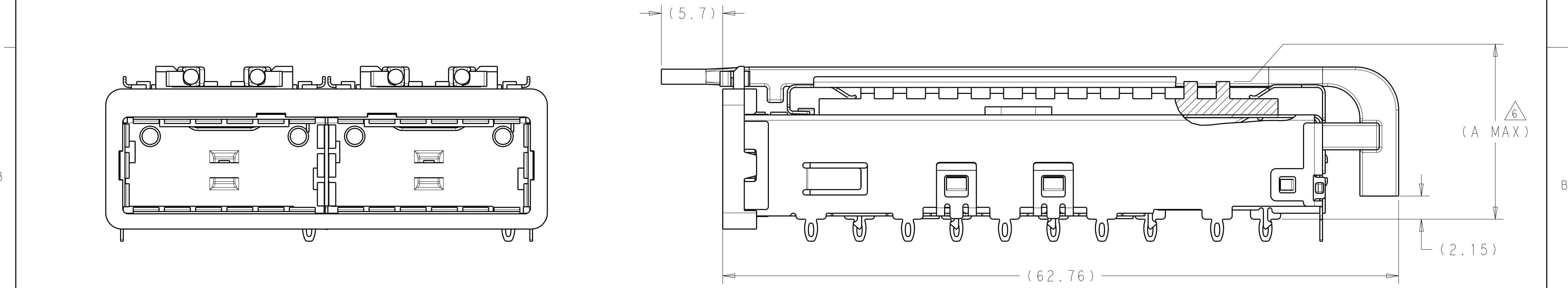
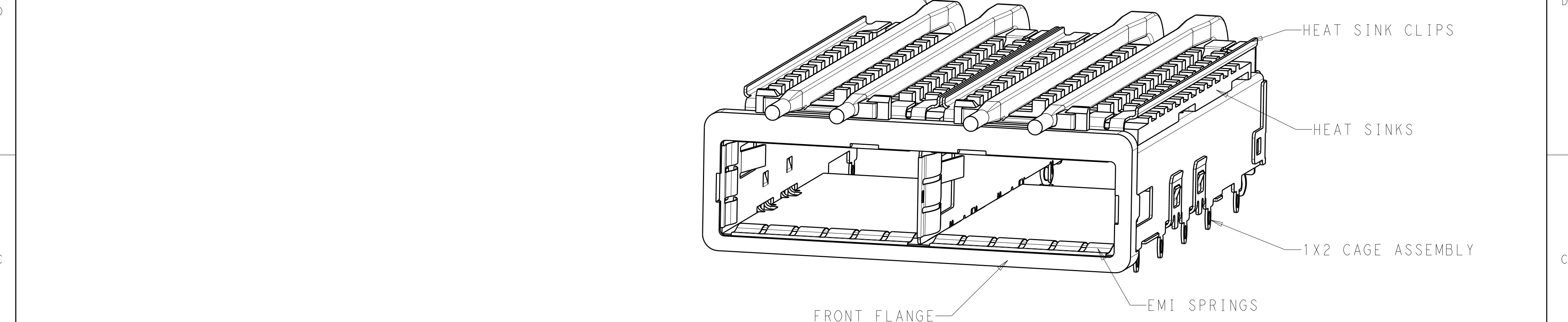
SCALE 4:1

SHEET 1 OF 8

REV B

1471-9 (3/11)

LOC	DIST	REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN	APVD	
	-	SEE SHEET 1	-	-	-	



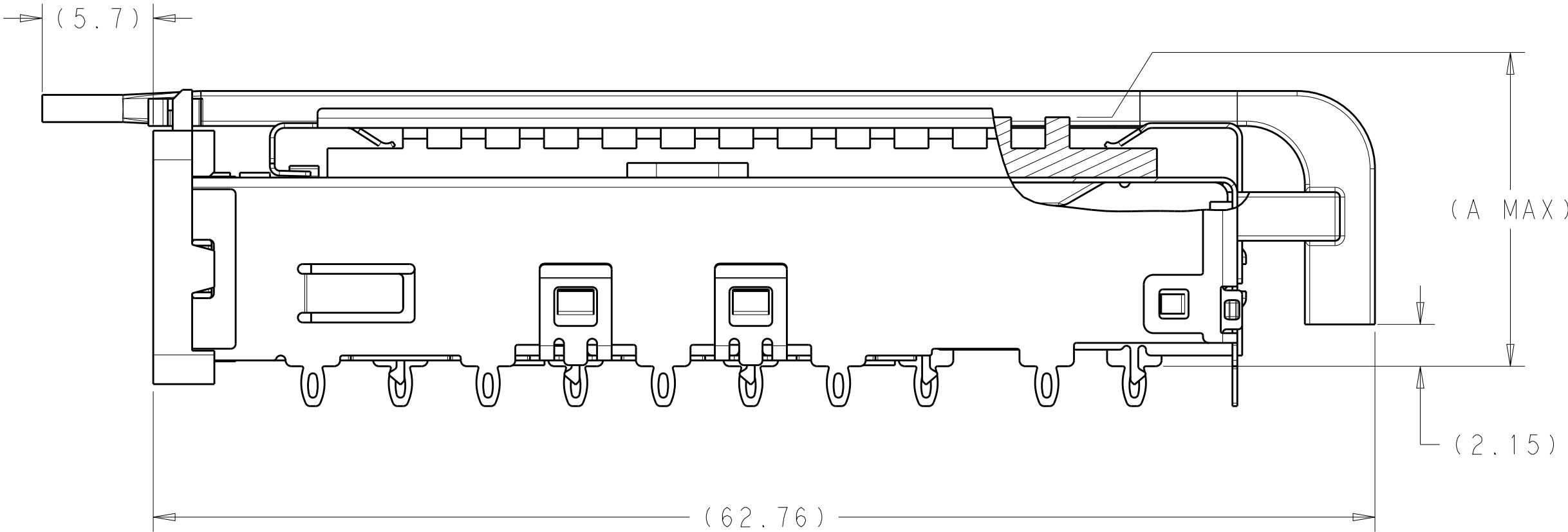
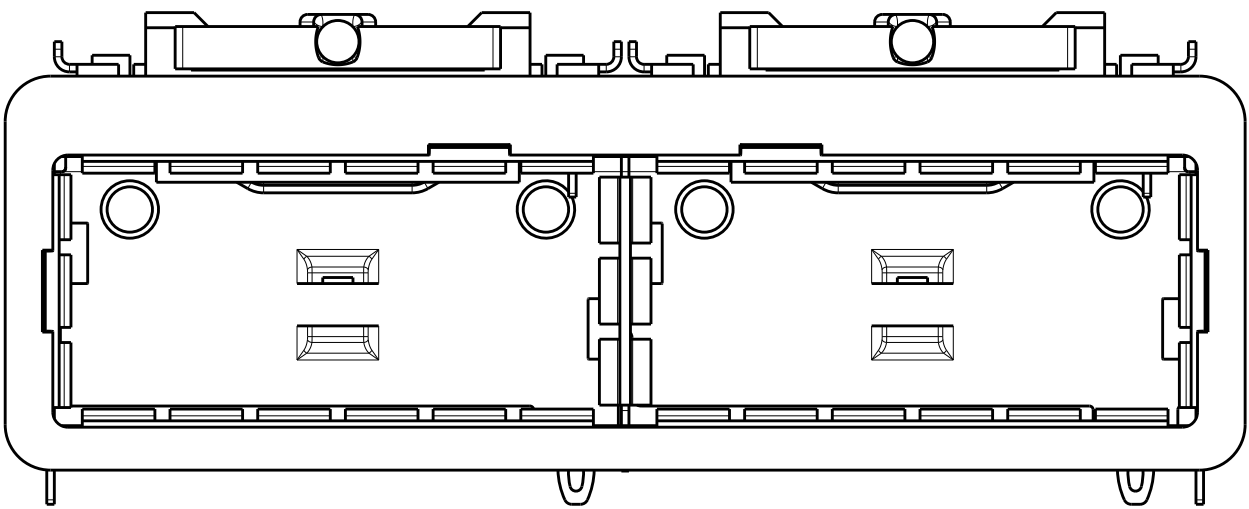
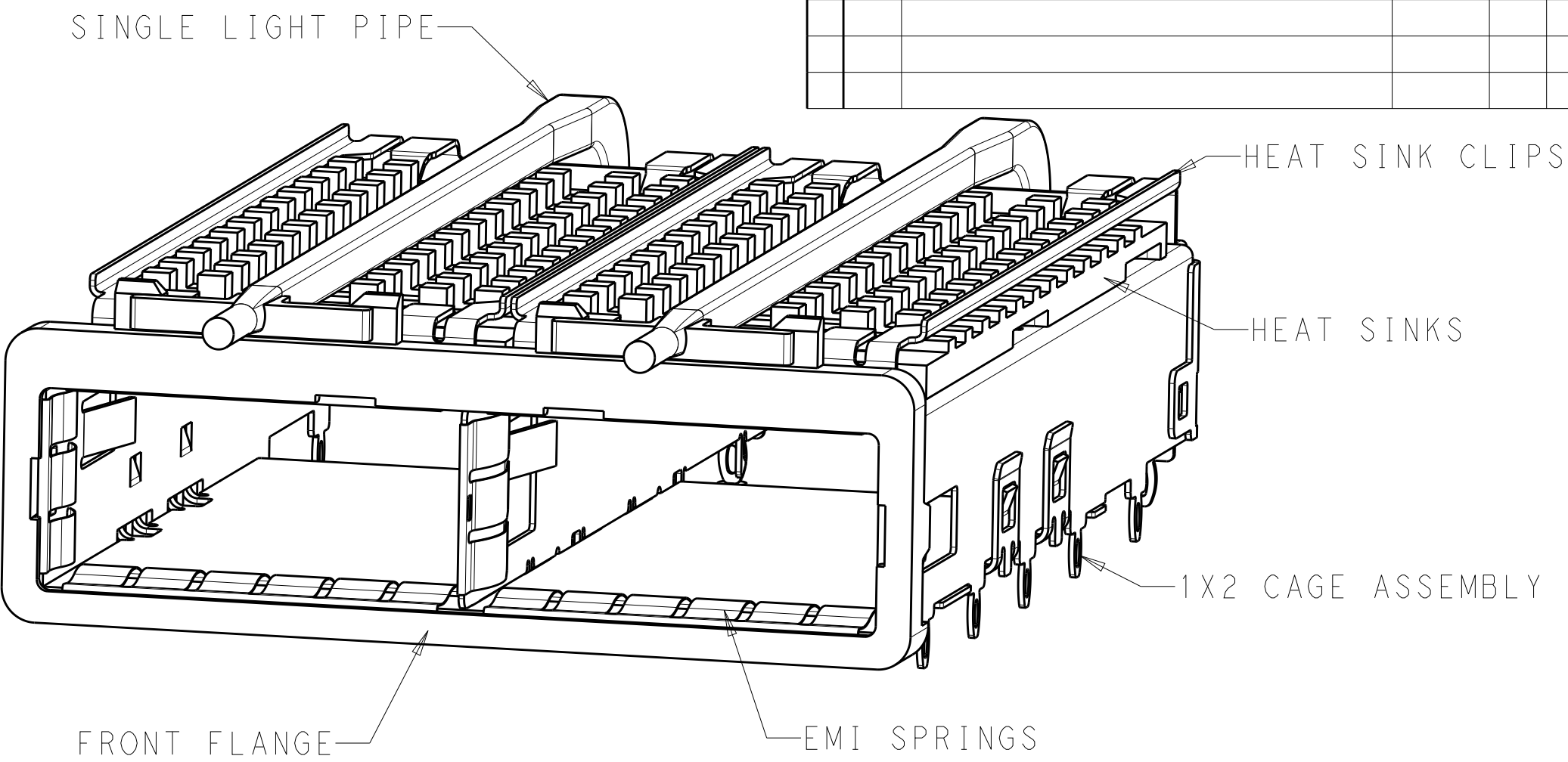
ALL DIMENSIONS THE SAME AS ON SHEET 1
EXCEPT AS SHOWN

PROPOSAL DESIGN: 2227103-4/5/6,
HAVE NOT RELEASED, ANY QUESTIONS,
PLEASE CONTACT RESPONSIBLE ENGINEER.

13	23	NETWORKING	DOUBLE LIGHT PIPES	2227103-6
13	16	SAN	DOUBLE LIGHT PIPES	2227103-5
14	13.7	PCI	DOUBLE LIGHT PIPES	2227103-4
	A	HEAT SINK PROFILE	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. COWHER 10AUG2012	TE Connectivity	
DIMENSIONS: mm		CHK R.R. HENRY 16AUG2012		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD R.R. HENRY 16AUG2012	NAME RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X2, QSFP28	
0 PLC ±0.2 1 PLC ±0.15 2 PLC ±0.1 3 PLC ±0.05 4 PLC ±0.025 ANGLES ±1		PRODUCT SPEC 108-19428		
MATERIAL SEE NOTES material_2		APPLICATION SPEC 114-32023	SIZE A200779	CAGE CODE C-2227103
FINISH SEE NOTES finish_spec_2		WEIGHT -	DRAWING NO C-2227103	RESTRICTED TO -
Customer Drawing			SCALE 4:1	SHEET 1 OF 8
			REV B	

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1	-	-	-

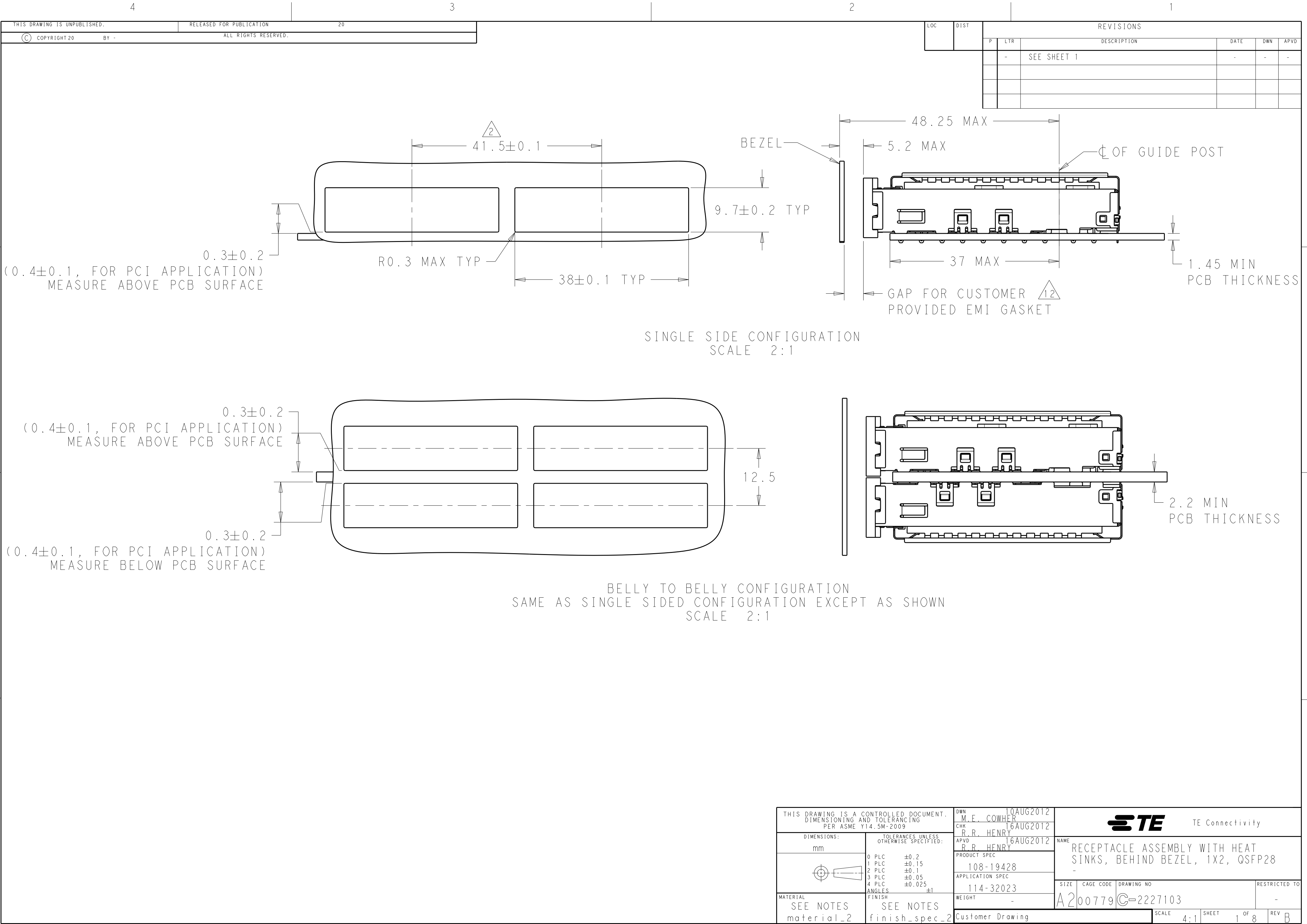


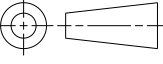
ALL DIMENSIONS THE SAME AS ON SHEET 1
EXCEPT AS SHOWN

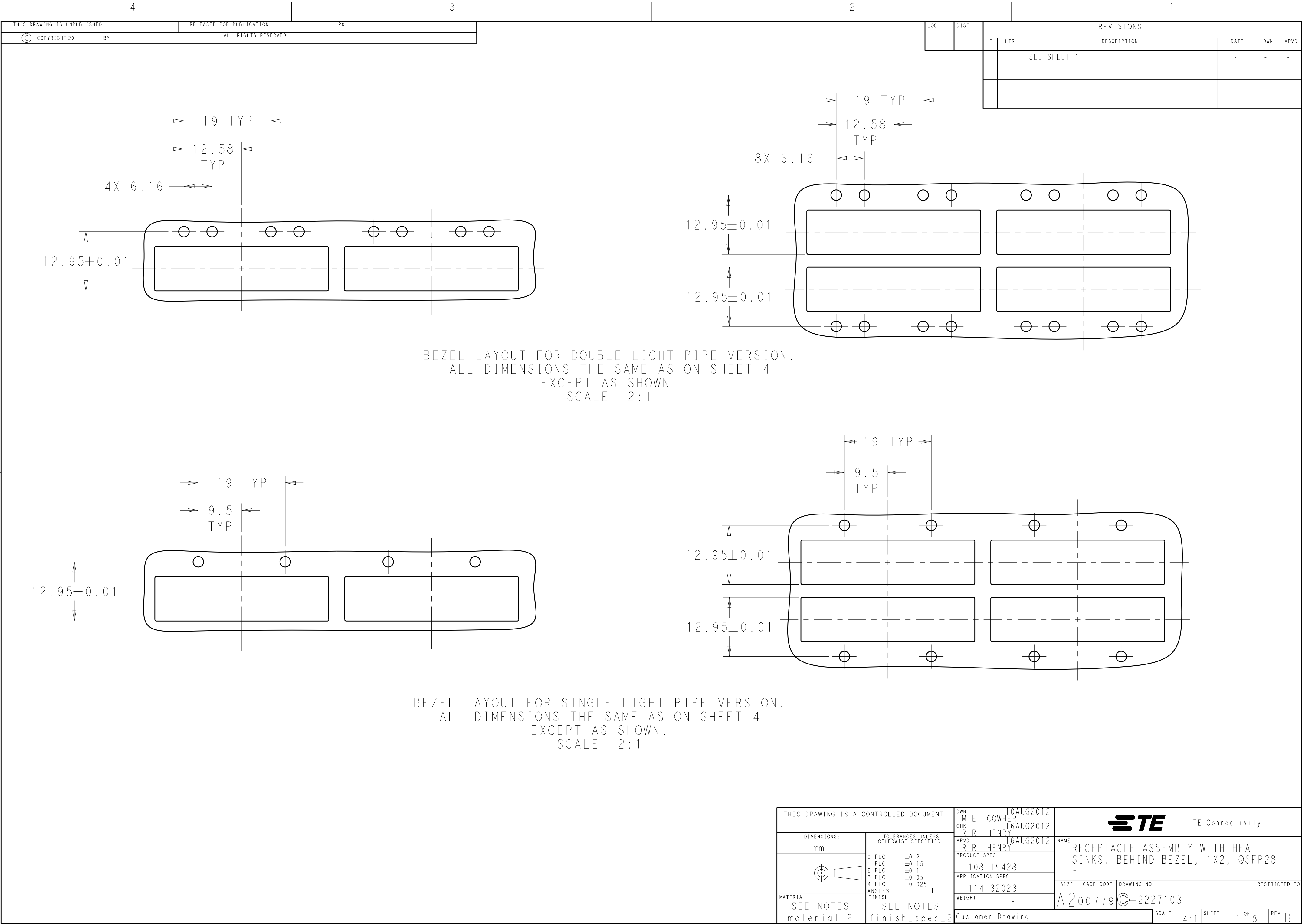
13	23	NETWORKING	SINGLE LIGHT PIPES	2227103-9
13	16	SAN	SINGLE LIGHT PIPES	2227103-8
14	13.7	PCI	SINGLE LIGHT PIPES	2227103-7
	A	HEAT SINK PROFILE	DESCRIPTION	PART NUMBER

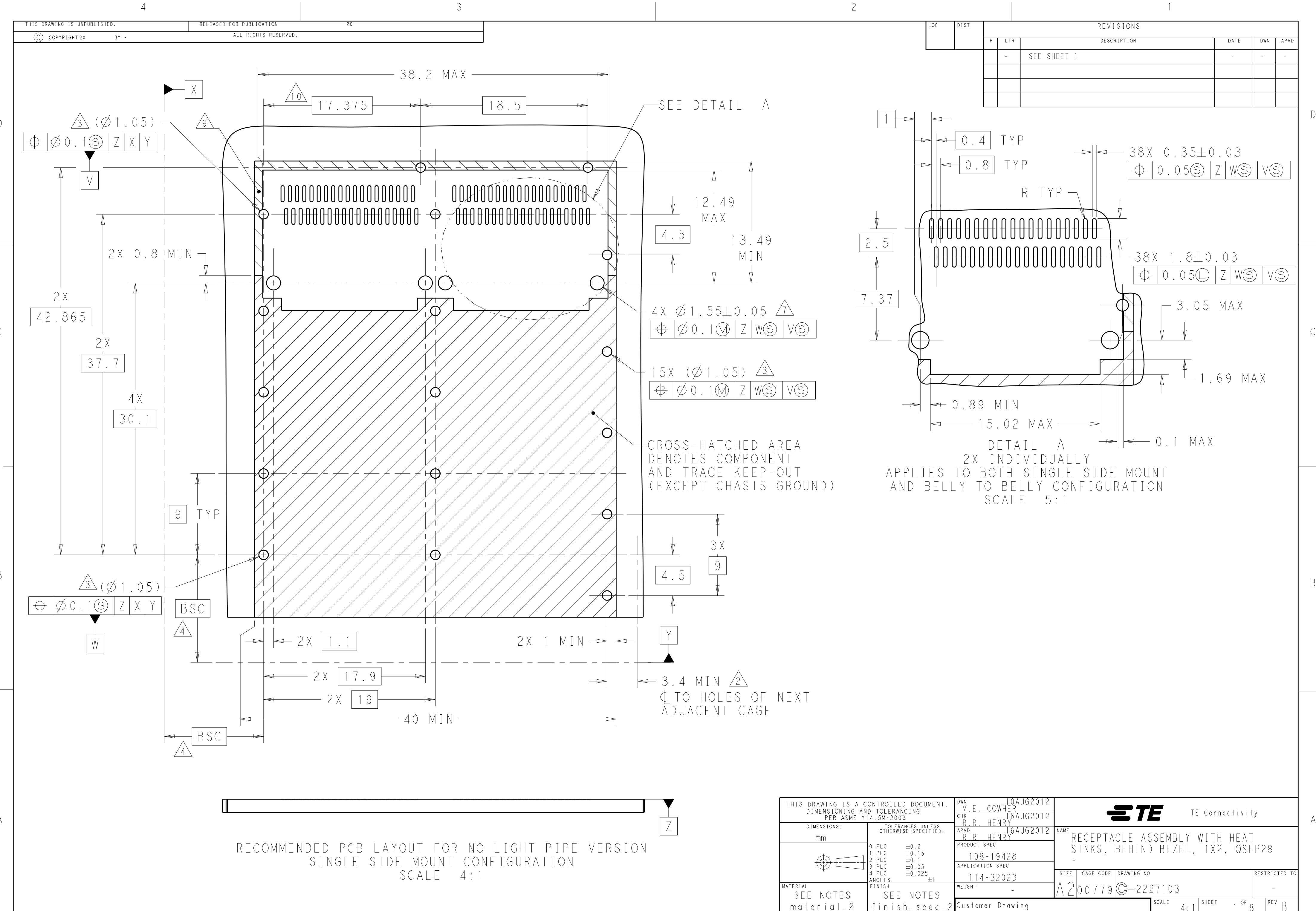
PROPOSAL DESIGN: 2227103-7/8/9,
HAVE NOT RELEASED. ANY QUESTIONS,
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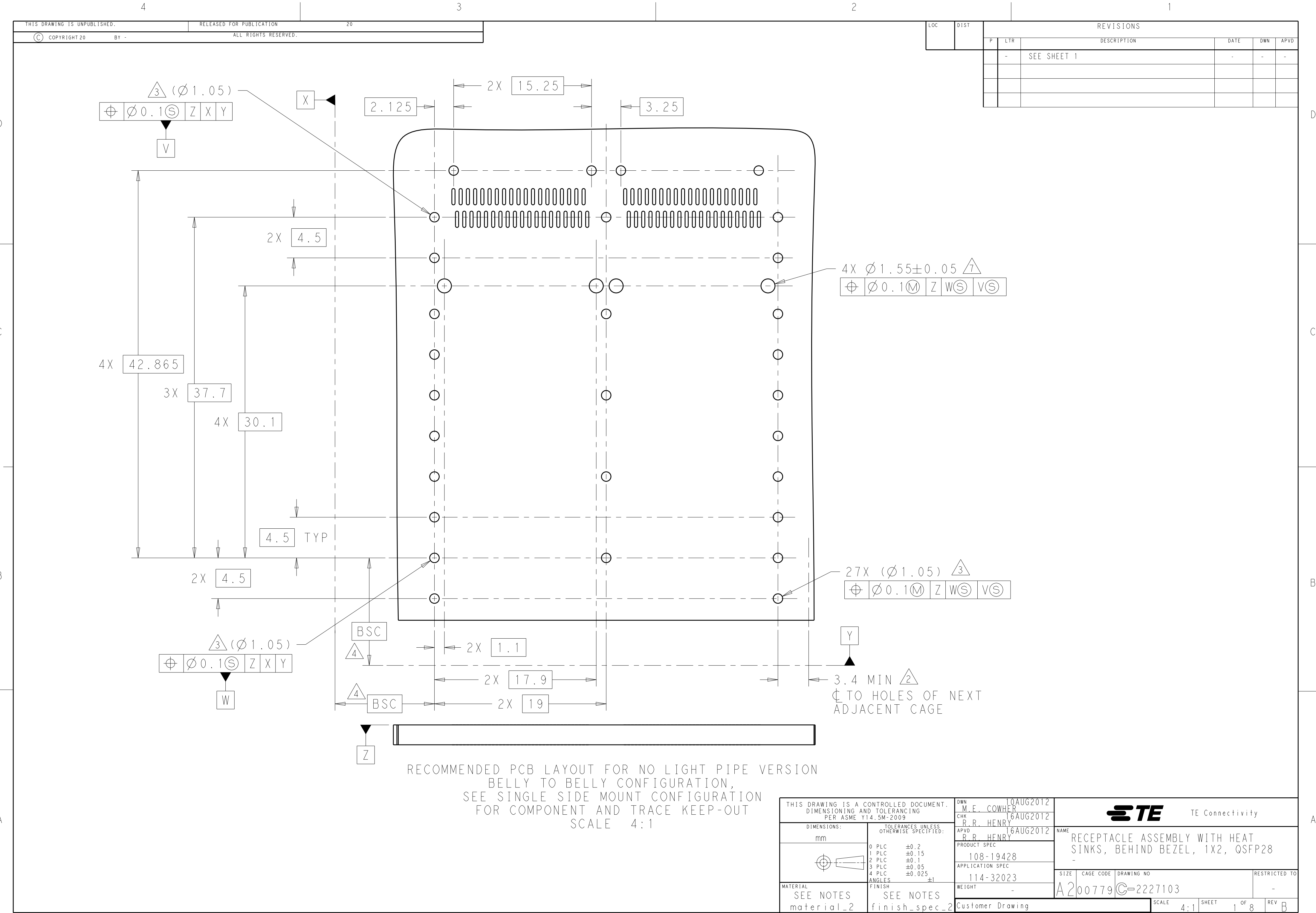
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. COWHER 10AUG2012	TE Connectivity	
DIMENSIONS:		CHK R.R. HENRY 16AUG2012		
mm		APVD R.R. HENRY 16AUG2012	NAME RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X2, QSFP28	
		PRODUCT SPEC	SIZE	
		108-19428	CAGE CODE	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	DRAWING NO	
0 PLC ±0.2		114-32023	RESTRICTED TO	
1 PLC ±0.15		WEIGHT	A200779	
2 PLC ±0.1			C-2227103	
3 PLC ±0.05			SCALE	
4 PLC ±0.025			4:1	
ANGLES ±1			SHEET	
FINISH			1 OF 8	
SEE NOTES			REV	
material_2		Customer Drawing	B	
finish_spec_2				



THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009		DWN M.E. COWHER 10AUG2012	 TE Connectivity			
DIMENSIONS: mm		CHK R.R. HENRY 16AUG2012				
		APVD R.R. HENRY 16AUG2012	NAME RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X2, QSFP28			
		PRODUCT SPEC 108-19428	-			
MATERIAL SEE NOTES material_2		APPLICATION SPEC 114-32023	SIZE A2	CAGE CODE 00779	DRAWING NO C-2227103	RESTRICTED TO -
FINISH SEE NOTES finish_spec_2		WEIGHT -	SCALE 4:1		SHEET 1 OF 8	REV B
		Customer Drawing				





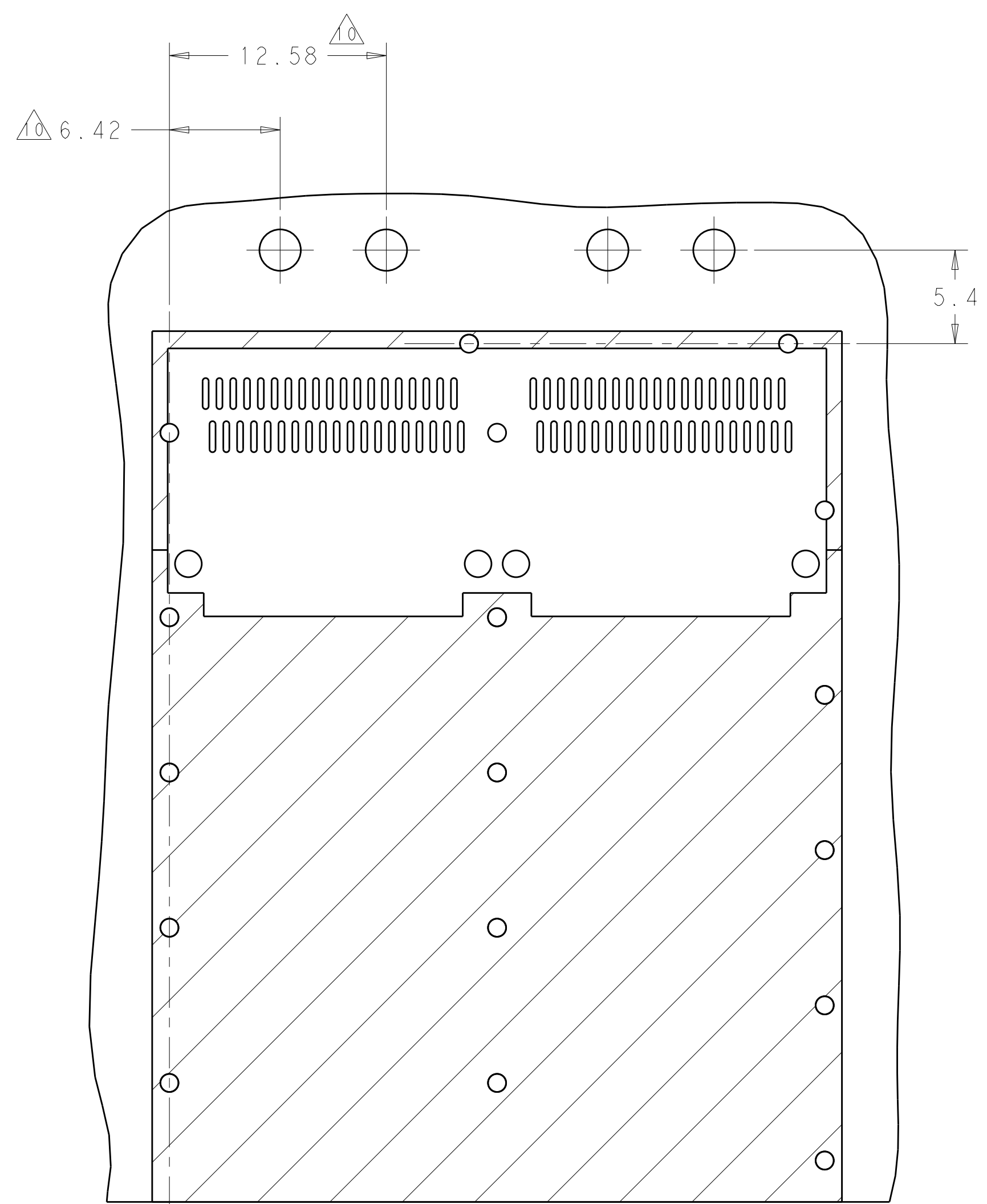


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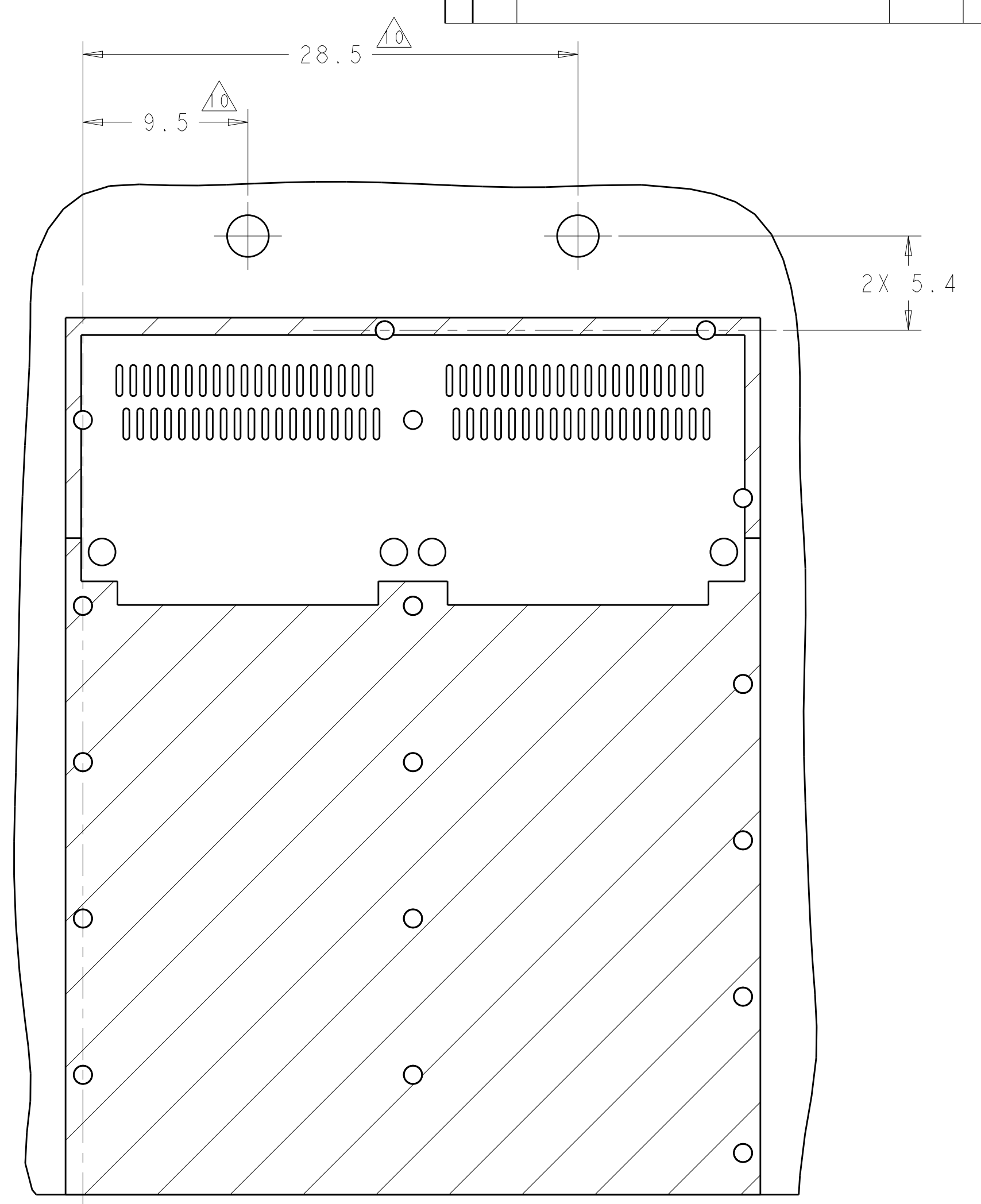
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LOC	DIST	REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN	APVD	
-	-	SEE SHEET 1	-	-	-	



RECOMMENDED PCB LAYOUT FOR DOUBLE LIGHT PIPE VERSION.
VIEW DEPICTS LOCATION OF LEDS FOR DOUBLE LIGHT PIPES ONLY.
APPLIES TO BOTH SINGLE SIDED AND BELLY TO BELLY APPLICATIONS.
SCALE 4:1



RECOMMENDED PCB LAYOUT FOR SINGLE LIGHT PIPE VERSION.
VIEW DEPICTS LOCATION OF LEDS FOR SINGLE LIGHT PIPES ONLY.
APPLIES TO BOTH SINGLE SIDED AND BELLY TO BELLY APPLICATIONS.
SCALE 4:1

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mm

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0 PLC ±0.2
1 PLC ±0.15
2 PLC ±0.1
3 PLC ±0.05
4 PLC ±0.025
ANGLES ±1

MATERIAL

SEE NOTES
material_2

DWN
M.E. COWHER
10AUG2012

CHK
R.R. HENRY
16AUG2012

APVD
R.R. HENRY
16AUG2012

PRODUCT SPEC
108-19428

APPLICATION SPEC
114-32023

WEIGHT
-

Customer Drawing

TE Connectivity

NAME
RECEPTACLE ASSEMBLY WITH HEAT SINKS, BEHIND BEZEL, 1X2, QSFP28

SIZE
A200779

CAGE CODE
C-2227103

DRAWING NO

RESTRICTED TO
-

SCALE 4:1

SHEET 1 OF 8

REV B

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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www.lifeelectronics.ru