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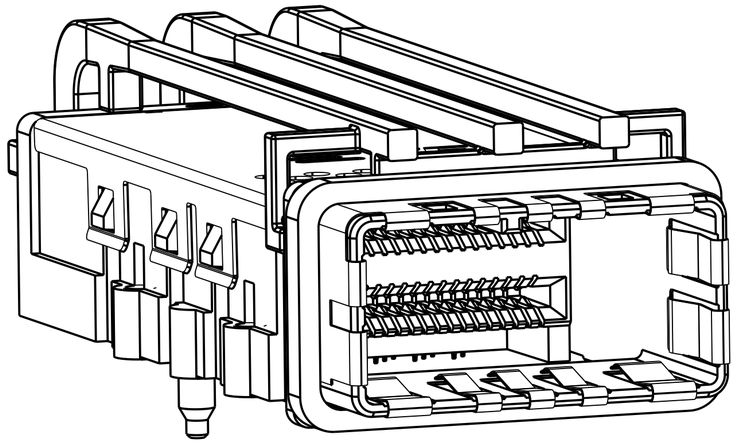
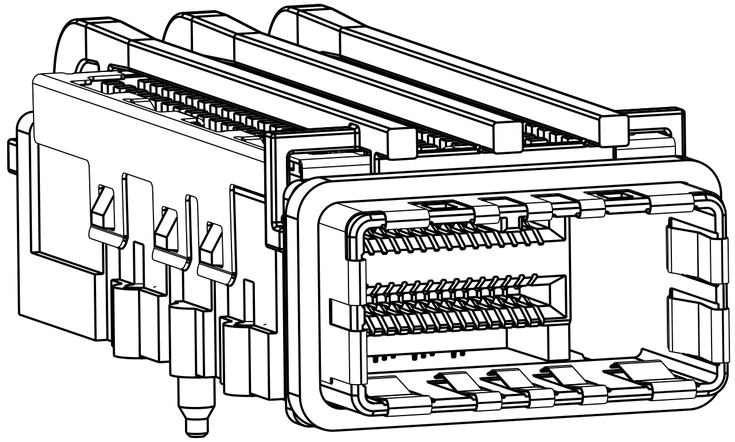
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED ECO-14-003843	31MAR2014	LAW	SB



2149159-1
SCALE 4:1



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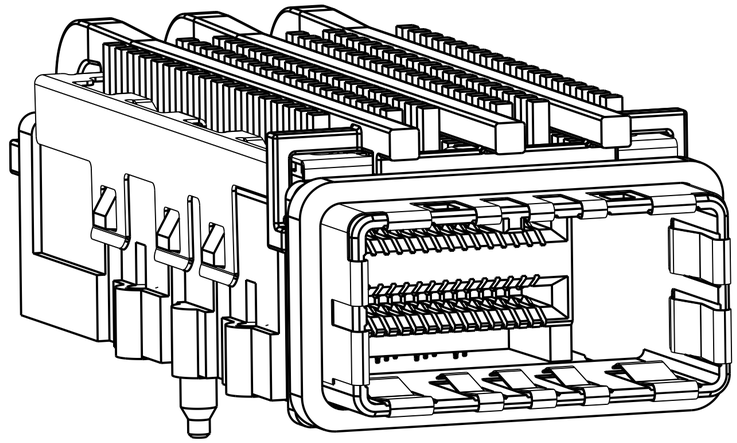

2149159-5
SCALE 4:1

E	RECEPTACLE HOUSING SUB-ASSEMBLY	FINISH	DESCRIPTION	PART NUMBER
-	2149448-1	2	84 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE	2149159-1
-	2149448-2	3	884 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE	2149159-2
14.2	2149448-1	2	84 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK	2149159-3
14.2	2149448-2	3	84 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK	2149159-4
16.5	2149448-1	2	84 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK	2149159-5
16.5	2149448-2	3	84 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK	2149159-6
23.5	2149448-1	2	84 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK	2149159-7
23.5	2149448-2	3	84 POSITION RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK	2149159-8

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DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

DIMENSIONS: mm

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

MATERIAL
FINISH

DWN 09JUN2010 M.E. COWHER
CHK 10JUN2010 M.D. MORRISON
APVD 10JUN2010 M.D. MORRISON
PRODUCT SPEC 108-2426
APPLICATION SPEC 114-13283
WEIGHT -

TE Connectivity

NAME
RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK, 84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2149159	-

Customer Drawing | SCALE 1:1 | SHEET 1 OF 5 | REV A

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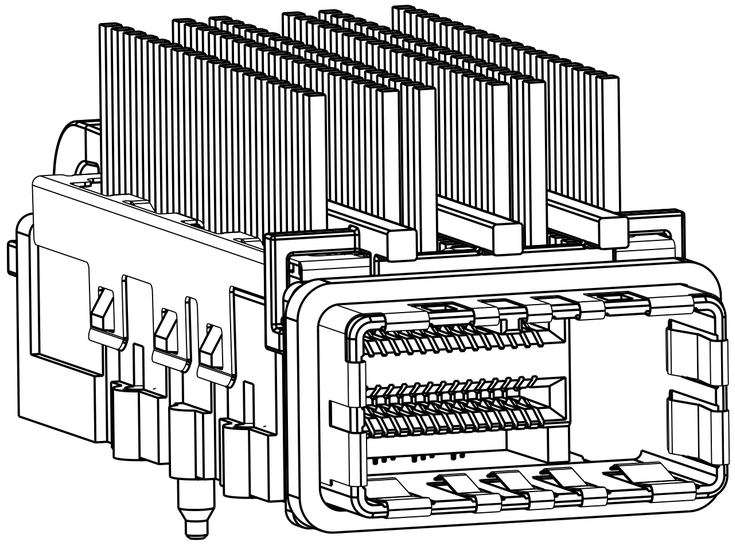
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



2149159-7
SCALE 4:1

1. MATERIALS:
   HOUSING - ZINC ALLOY
   EMI GASKET - CONDUCTIVE URETHANE FOAM
   RECEPTACLE HOUSING - LCP, BLACK, UL 94V-0 RATED
   CHICKLET - LCP, BLACK, UL 94V-0 RATED
   CONTACT - PHOSPHOR BRONZE
   EMI SPRING - COPPER ALLOY
   HEAT SINK - ALUMINUM
   CLIP, HEAT SINK - STAINLESS STEEL
   LIGHTPIPE - POLYCARBONATE, CLEAR

2. FINISH:
   CONTACT - CONFORMS TO THE REQUIREMENTS OF TE PRODUCT SPECIFICATION 108-2426, BASED ON EIA/ECA-364-1000.01A, (CONTROLLED ENVIRONMENT APPLICATIONS) ON MATING INTERFACE, MATTE TIN PLATE OVER NICKEL UNDERPLATE ON COMPLIANT PIN
   HOUSING & HEAT SINK - NICKEL PLATE

3. NOTE DELETED

4. PCB THICKNESS = 1.57 MIN

5. FOR HOLE SIZE AND FINISHES, SEE APPLICATION SPEC 114-13283

6. THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY CROSSHATCHING, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN, CROSSHATCHING TO BE CONDUCTIVE

7. MOUNTING HARDWARE REQUIRED:
   M2x0.4 (4)
   MOUNTING SCREW LENGTH = BOARD THICKNESS PLUS 4mm MAX

8. COMPONENTS PACKAGED UNASSEMBLED

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3 PLC ±.
4 PLC ±.
ANGLES ±.

MATERIAL 1

FINISH 2

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CHK M.D. MORRISON 10JUN2010
APVD M.D. MORRISON 10JUN2010
PRODUCT SPEC 108-2426
APPLICATION SPEC 114-13283
WEIGHT -

TE Connectivity

NAME RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK, 84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2149159	-

Customer Drawing | SCALE 1:1 | SHEET 2 OF 5 | REV A

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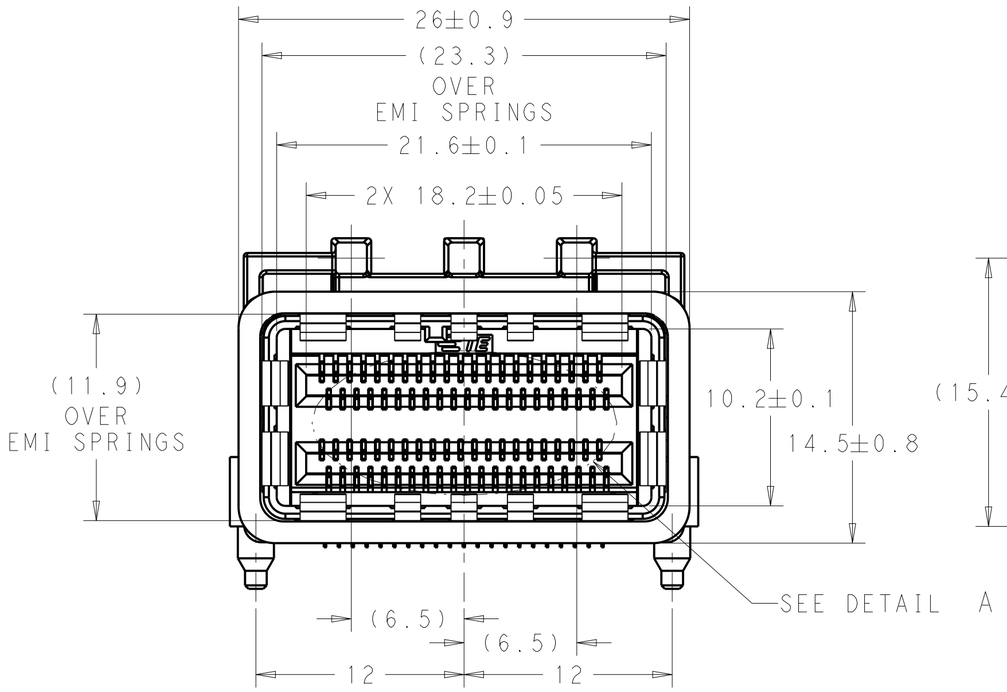
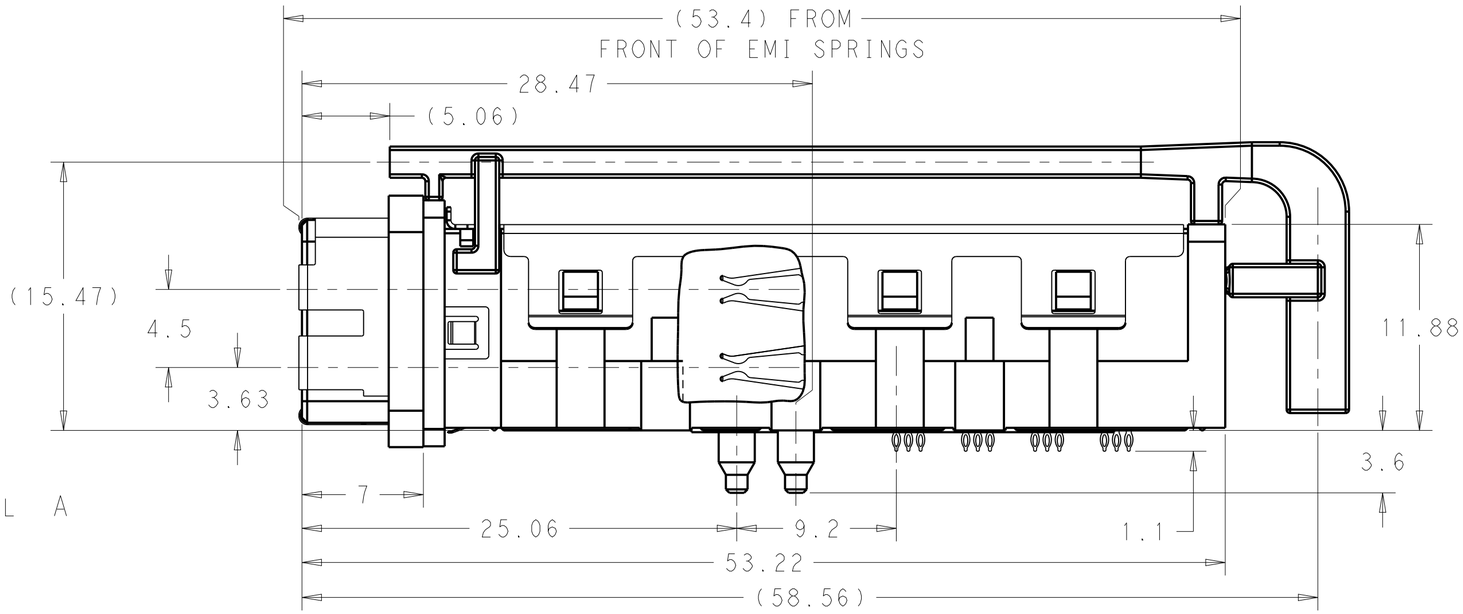
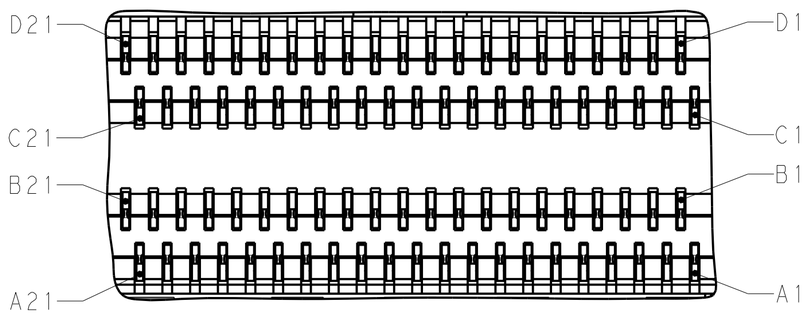




2149159-1
SCALE 4:1



DETAIL A
RECOMMENDED PIN CALLOUT
SCALE 8:1

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DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

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MATERIAL
FINISH

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TE Connectivity

NAME
RECEPTACLE ASSEMBLY
WITH LIGHTPIPE AND HEAT SINK,
84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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Customer Drawing | SCALE 1:1 | SHEET 3 OF 5 | REV A

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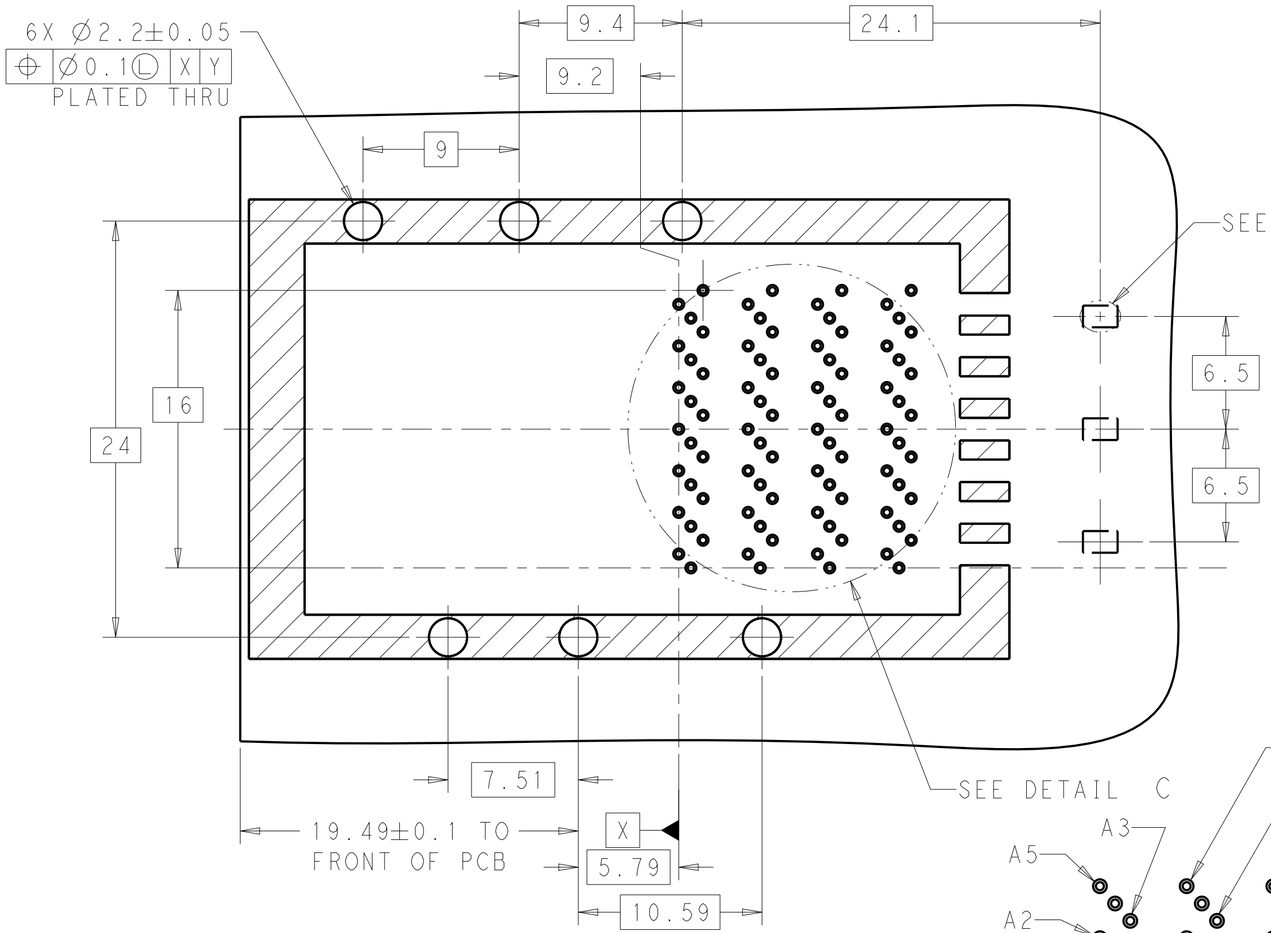
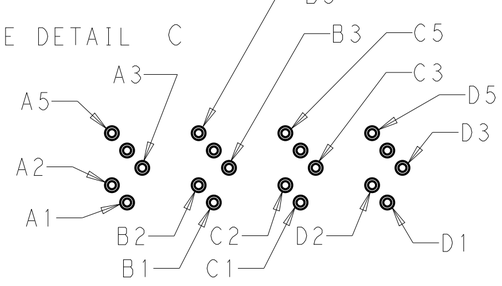
REVISIONS

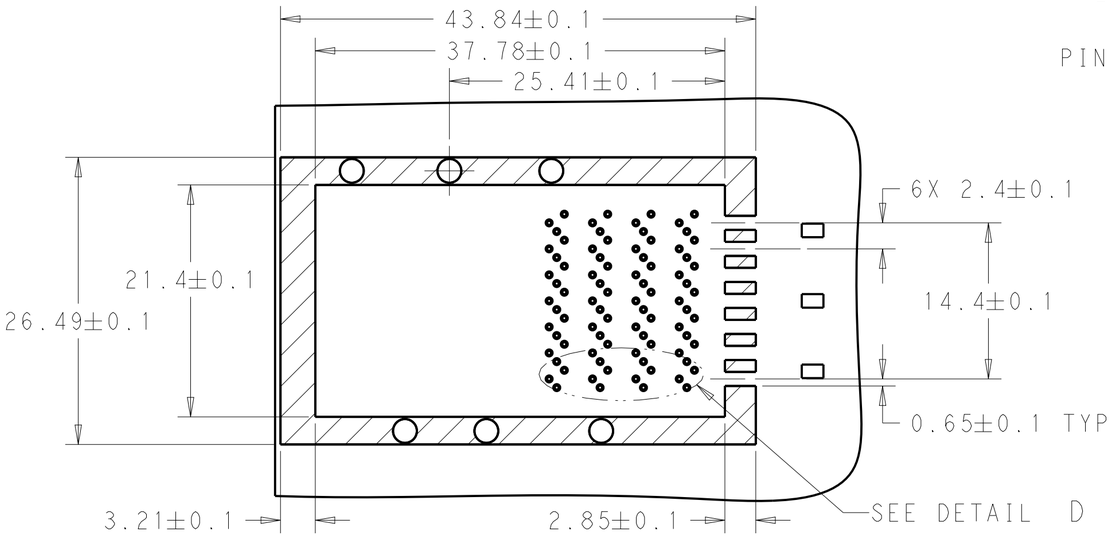
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



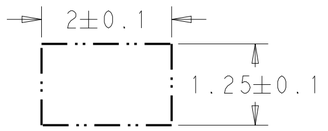
4 5 RECOMMENDED PCB LAYOUT
COMPONENT SIDE SHOWN
SCALE 4:1



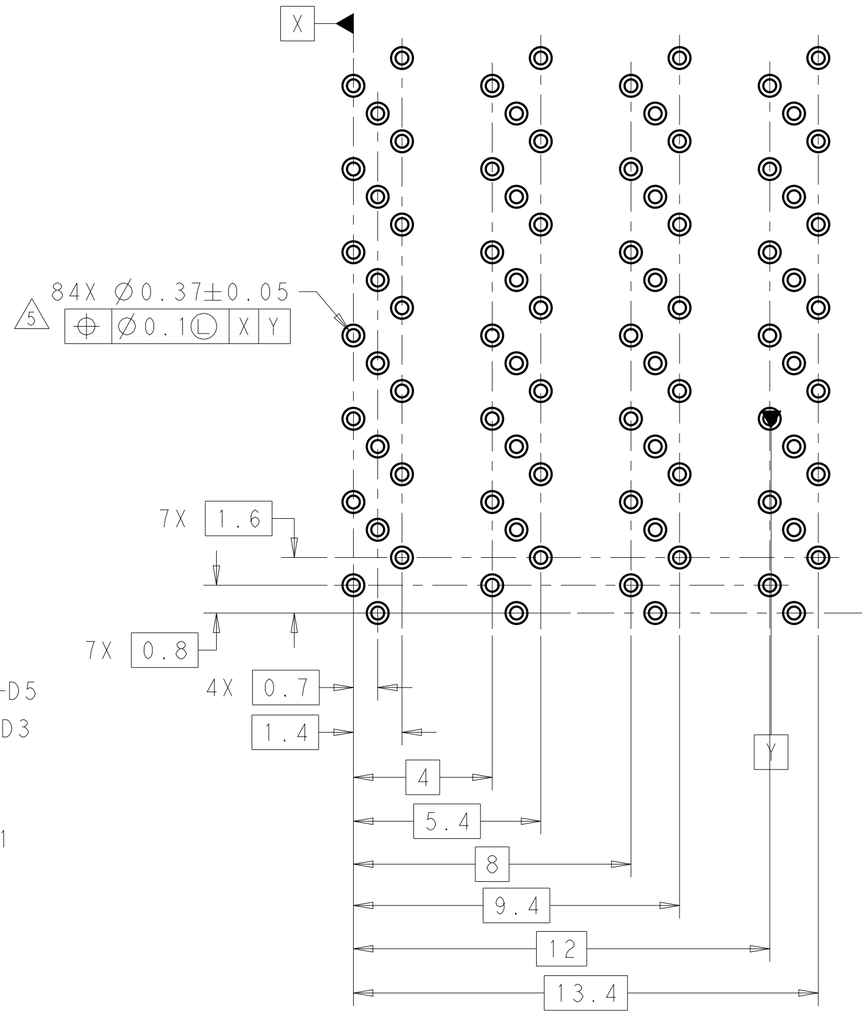
DETAIL D
PIN CALLOUT (TYPICAL)
SCALE 5:1



6 RECOMMENDED KEEPOUT AREA
SCALE 5:2



DETAIL F
3X INDIVIDUALLY
SCALE 15:1



DETAIL C
RECOMMENDED CONNECTOR LAYOUT
SCALE 8:1

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DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

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ANGLES ±-

MATERIAL
FINISH

DWN 09JUN2010 M.E. COWHER
CHK 10JUN2010 M.D. MORRISON
APVD 10JUN2010 M.D. MORRISON

PRODUCT SPEC 108-2426
APPLICATION SPEC 114-13283
WEIGHT -

Customer Drawing

TE Connectivity

NAME RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK, 84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2149159	-

SCALE 1:1 SHEET 4 OF 5 REV A

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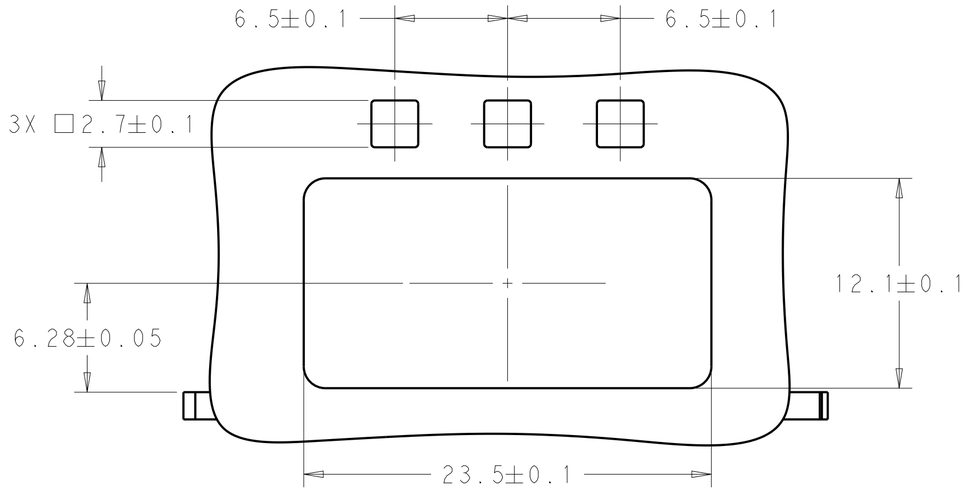
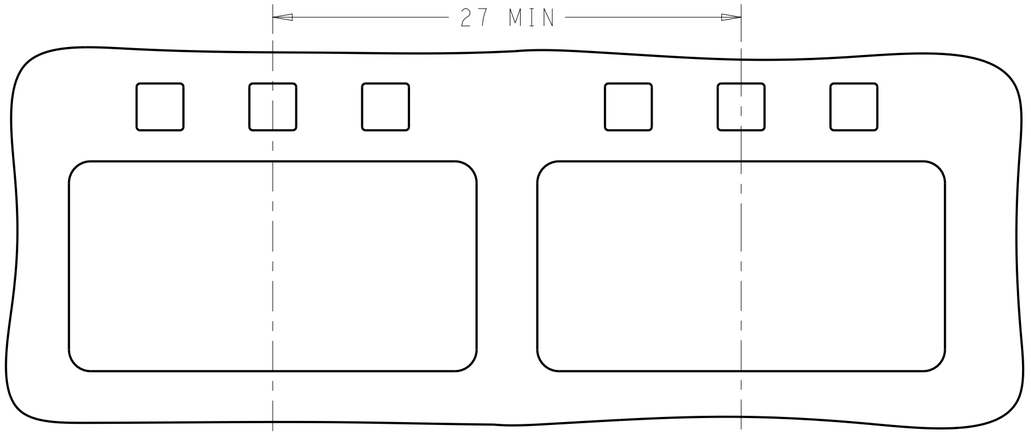
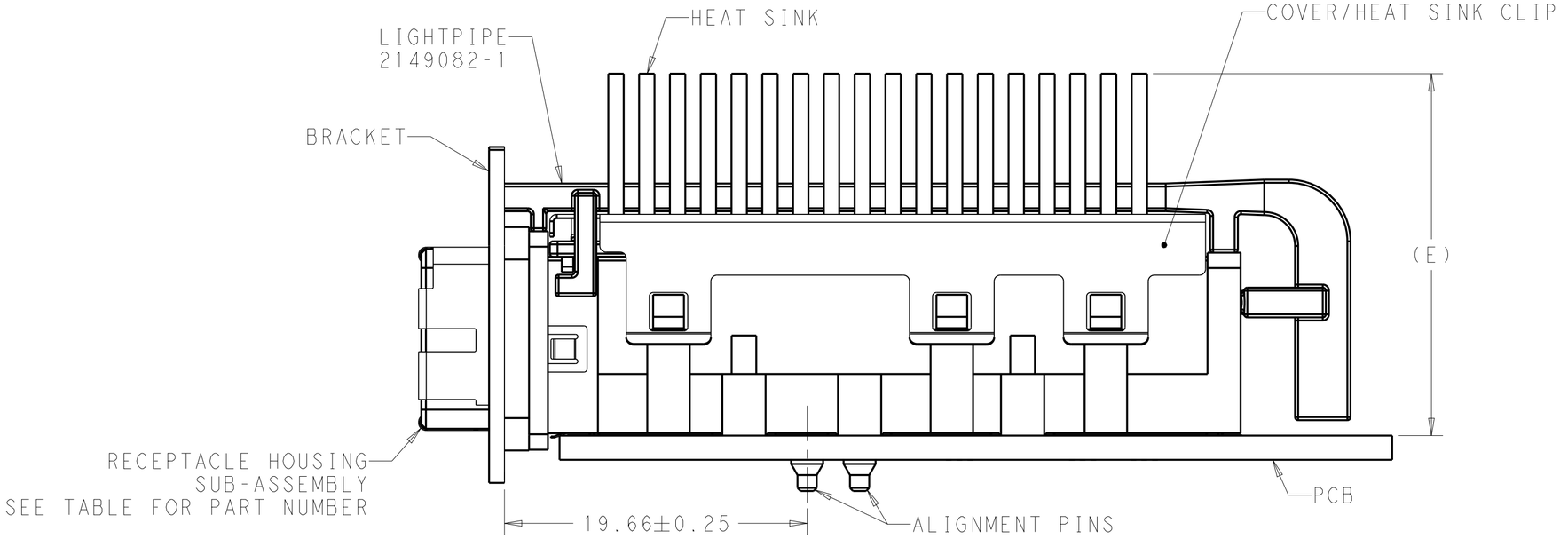


RECOMMENDED BRACKET CUT-OUT
SCALE 4:1



RECOMMENDED BRACKET CUT-OUT SPACING
SCALE 4:1



RECOMMENDED BRACKET LOCATION AND
HEIGHT OF HEAT SINK MEASURED FROM PCB
SCALE 4:1

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DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

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4 PLC	± -
ANGLES	± -

MATERIAL

FINISH

DWN	09JUN2010 M.E. COWHER
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NAME: RECEPTACLE ASSEMBLY WITH LIGHTPIPE AND HEAT SINK, 84 POSITION, CXP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-2149159	-

Customer Drawing | SCALE 1:1 | SHEET 5 OF 5 | REV A

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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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

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- *Приемлемые сроки поставки, возможна ускоренная поставка.*
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- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

Тел: +7 (812) 336 43 04 (многоканальный)
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www.lifeelectronics.ru