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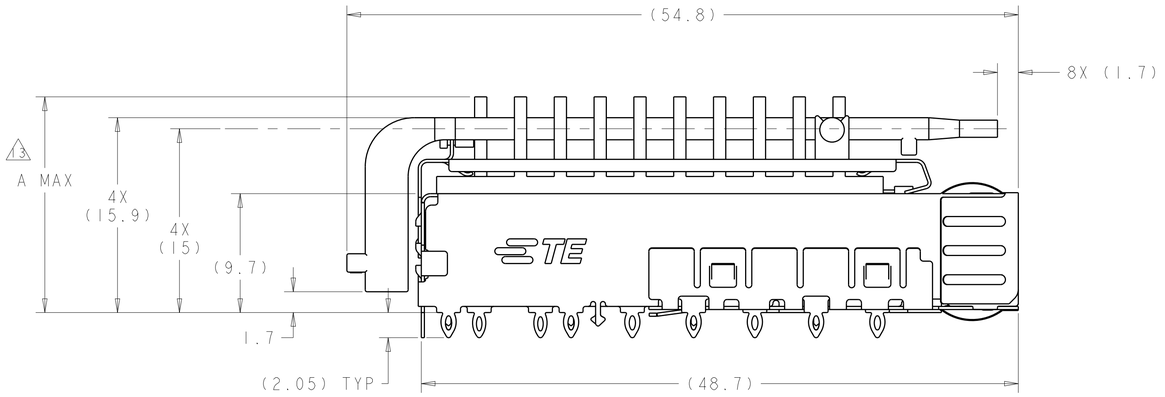
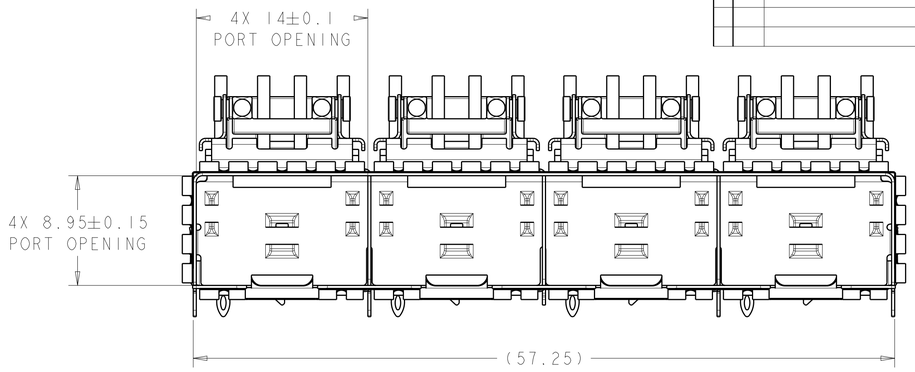
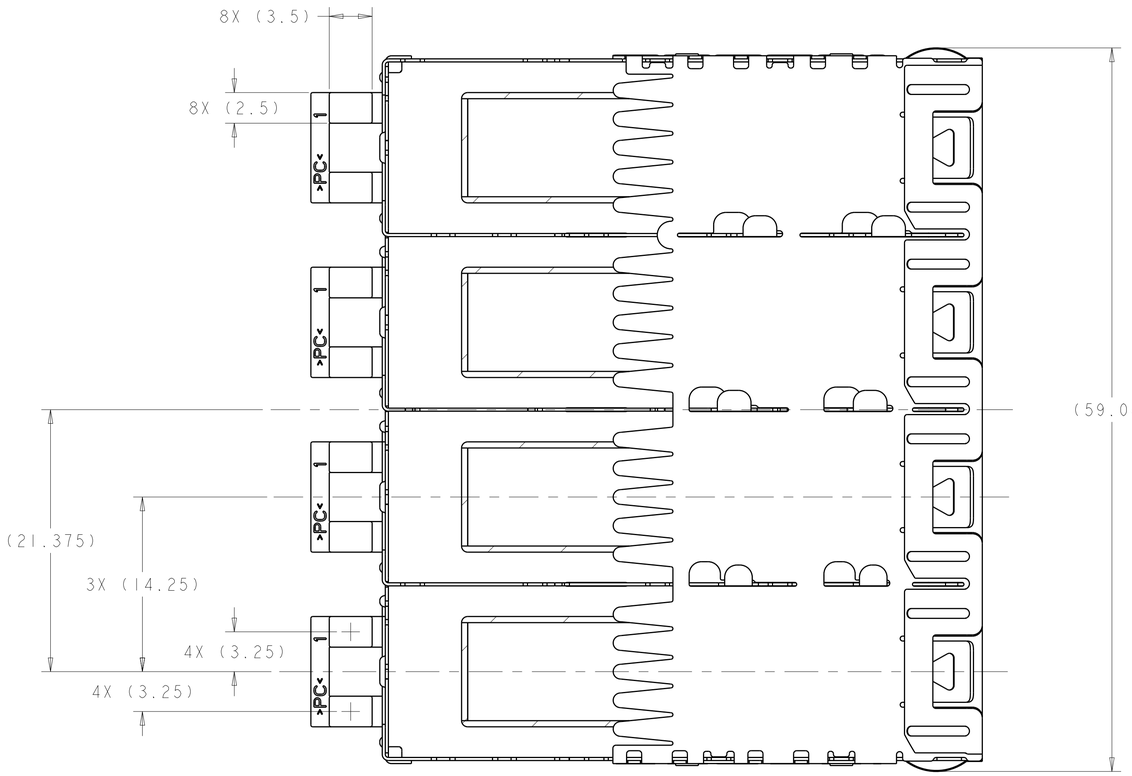
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO-12-013192	18OCT2012	BMM	MRS







1. MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
HEATSINK/LIGHTPIPE CLIP: STAINLESS STEEL
LIGHT PIPE: POLYCARBONATE, CLEAR
HEATSINK: ALUMINUM

2. FINISH:
SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE.
NON-PLATED EDGES PERMISSIBLE.
HEATSINK: ELECTROLESS NICKEL
HEATSINK/LIGHTPIPE CLIP: PASSIVATE

3. PADS AND VIAS CHASSIS GROUND.

4. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

5. MATES WITH SFP MSA COMPLIANT TRANSCEIVERS.

6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OF ASME Y14.5M-1994.

7. REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

8. REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

9. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

10. MINIMUM PC BOARD THICKNESS:
SINGLE SIDED = 1.50mm
DOUBLE SIDED = 2.25mm

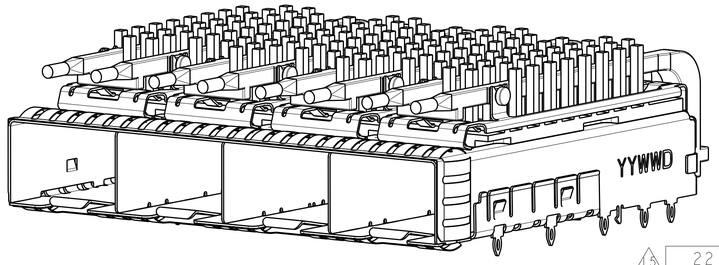
11. CERTAIN MATING TRANSCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD BE DETERMINED BY THE CUSTOMER.

12. PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FROM FACTOR FOR SFP+ GANGED CAGES.

13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE

14. HEATSINK, HEATSINK CLIP, AND LIGHTPIPE SHIPPED UNASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY TO BE PRESSED INTO PCB PRIOR TO ATTACHING HEATSINK, HEATSINK CLIP, AND LIGHTPIPE TO THE CAGE ASSEMBLY.

15. PACKAGED AS A COMPLETE ASSEMBLY.



2198234
FINISHED ASSEMBLY
SCALE 3:1

A MAX	APPLICATION	PART NUMBER
22.5	NETWORKING, TALL	2198234-4
18.1	NETWORKING, SHORT	2198234-3
15.5	SAN	2198234-2
13.2	PCI	2198234-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.1
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.1
4 PLC ±0.1
ANGLES ±1°0'

MATERIAL 1 FINISH 2

DWN B. MATTHEWS 15NOV2011
CHK M. SCHMITT 15NOV2011
APVD M. SCHMITT 15NOV2011
PRODUCT SPEC 108-2364
APPLICATION SPEC 114-13120
WEIGHT -

TE Connectivity

NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198234	-

Customer Drawing SCALE 4:1 SHEET 1 OF 4 REV A1

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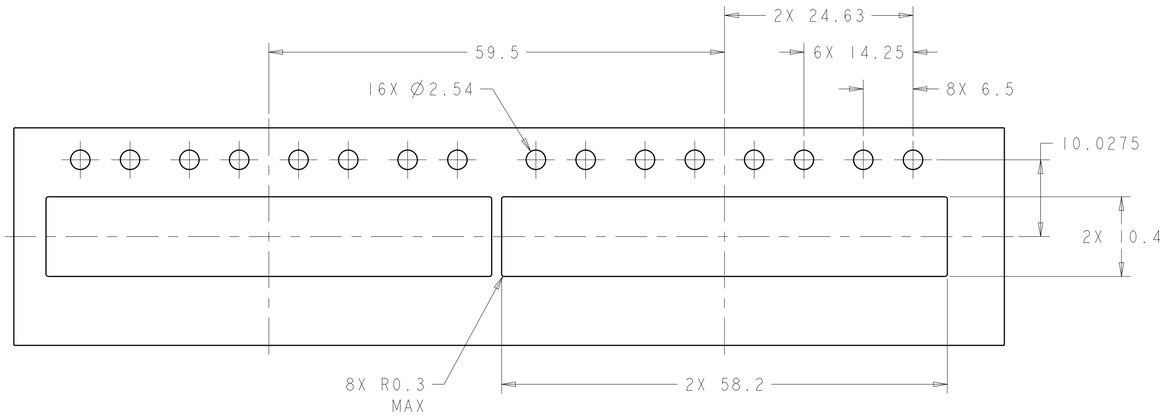
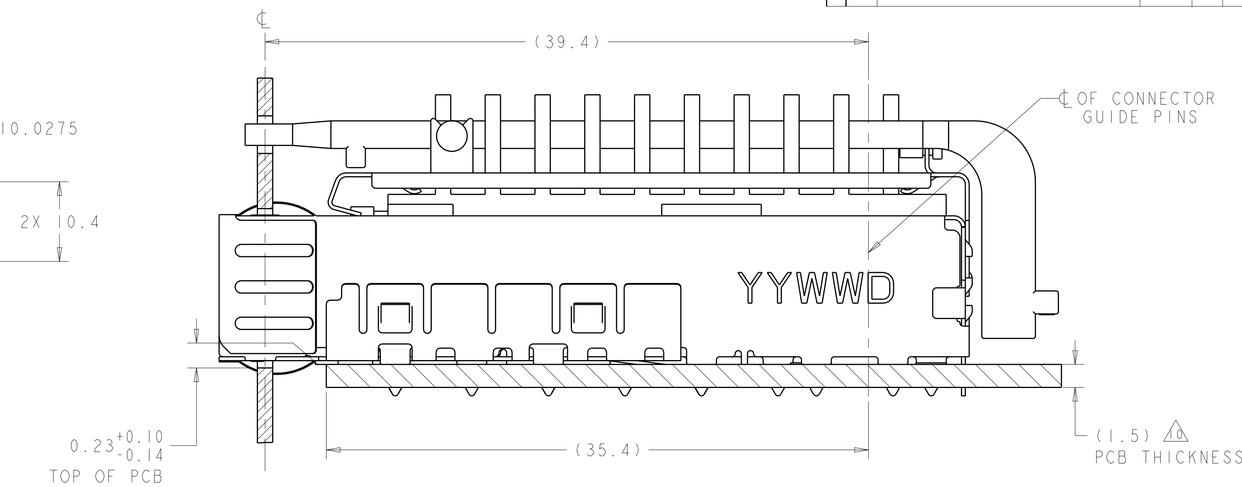
LOC	DIST
GP	00

REVISIONS

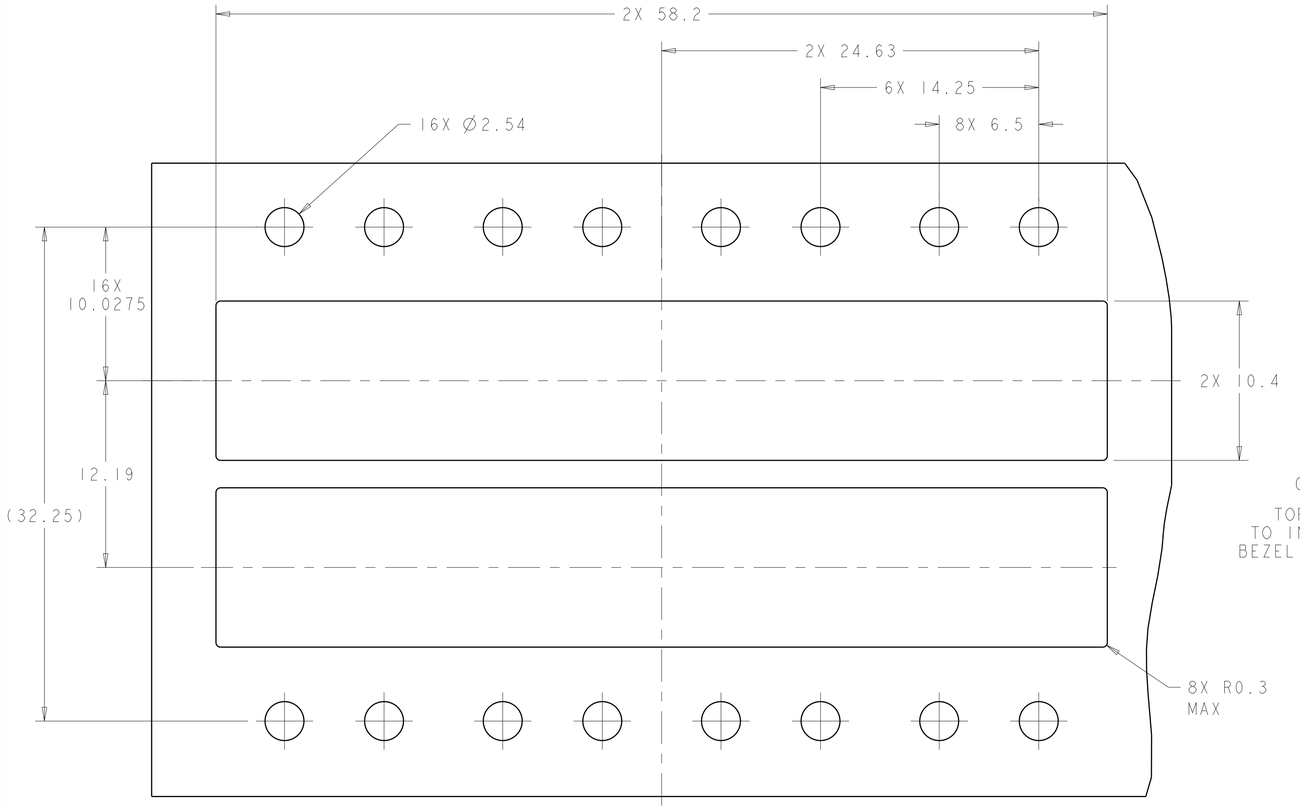
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



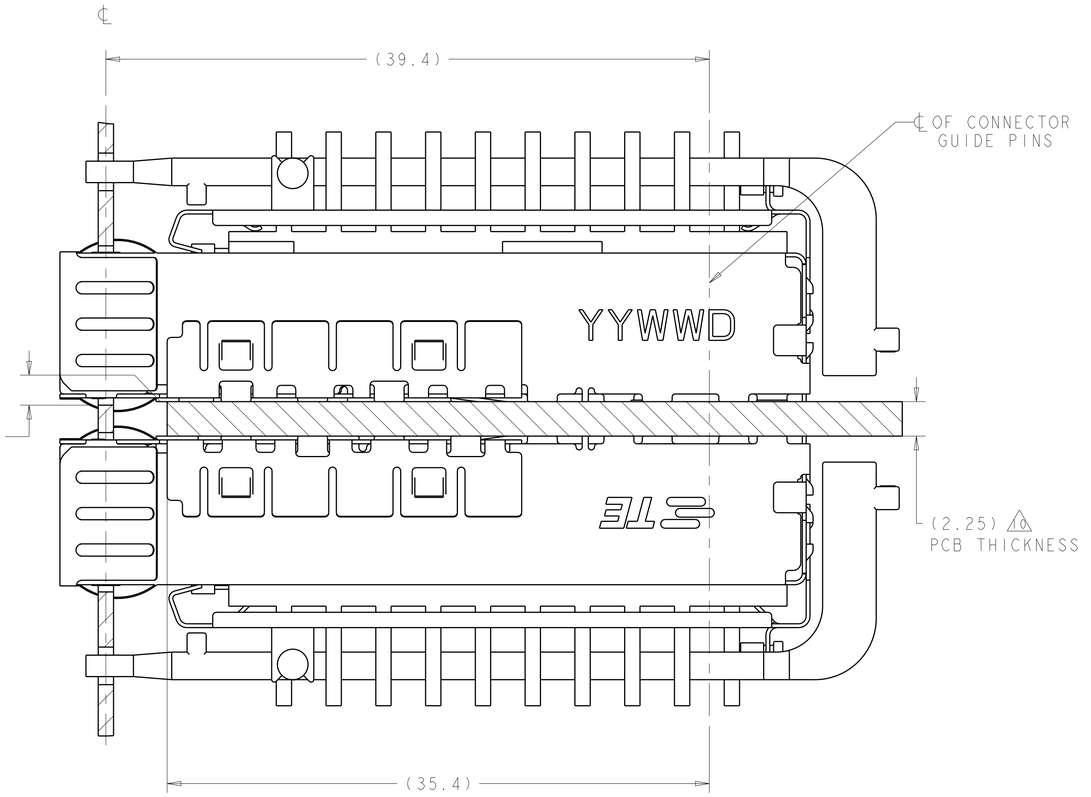
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 5:2



2198234
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL



RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS



2198234
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.1
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.1
4 PLC ±0.1
ANGLES ±1°0'

MATERIAL

FINISH

DWN	B MATTHEWS	15NOV2011
CHK	M SCHMITT	15NOV2011
APVD	M SCHMITT	15NOV2011
PRODUCT SPEC	108-2364	
APPLICATION SPEC	114-13120	
WEIGHT	-	

TE Connectivity

NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198234	-

Customer Drawing | SCALE 4:1 | SHEET 2 OF 4 | REV A1

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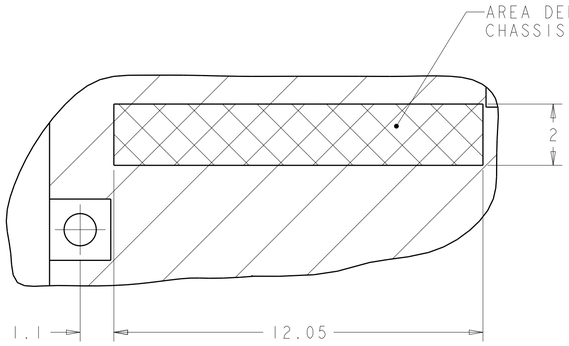
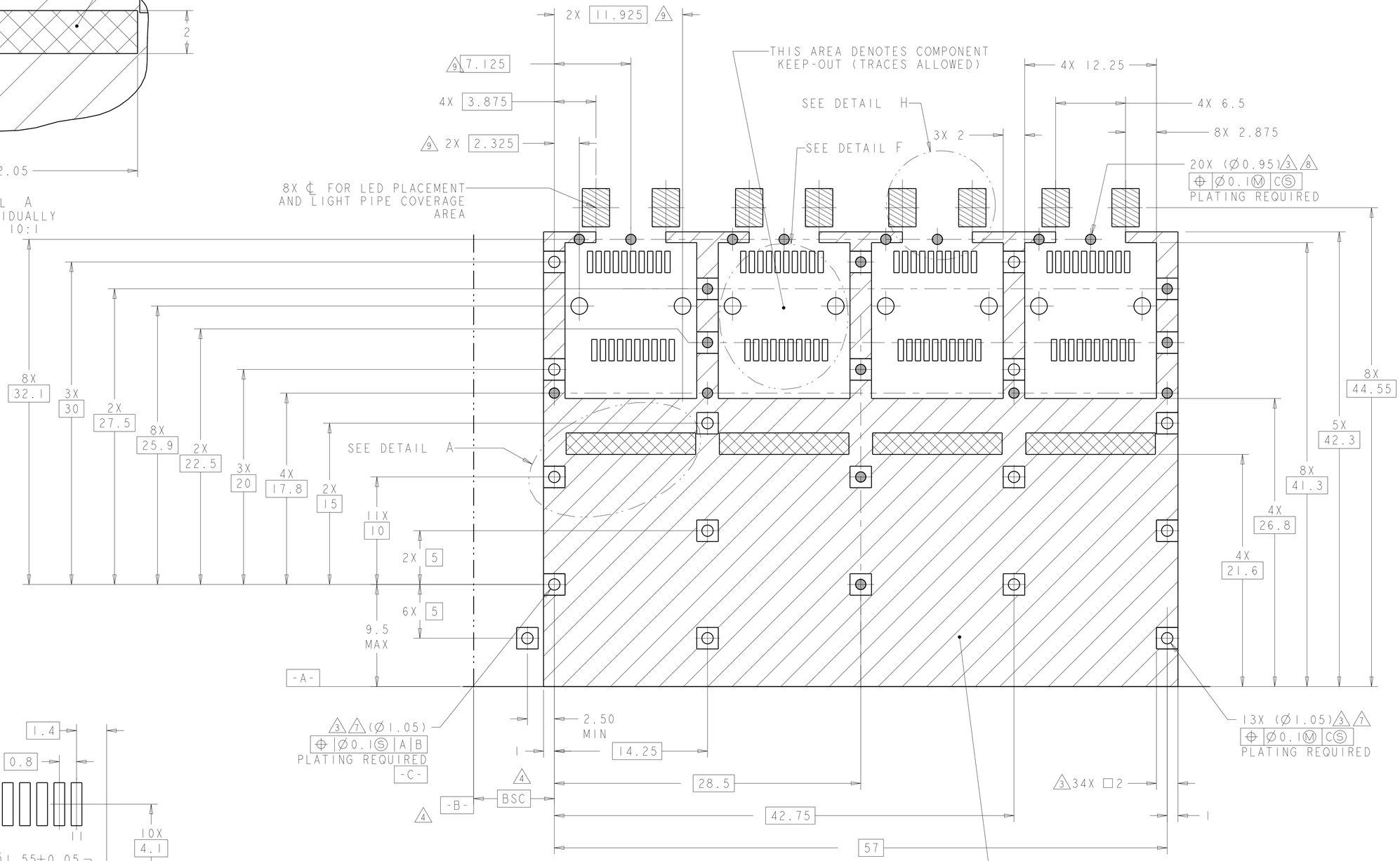
LOC	DIST
GP	00

REVISIONS

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

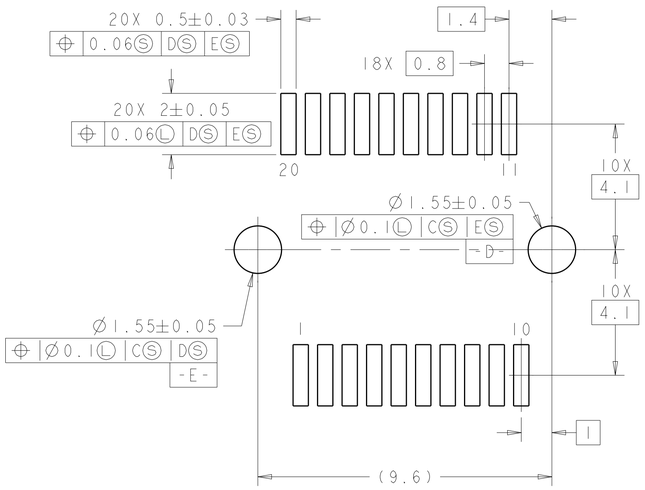


DETAIL A
4X INDIVIDUALLY
SCALE 10:1

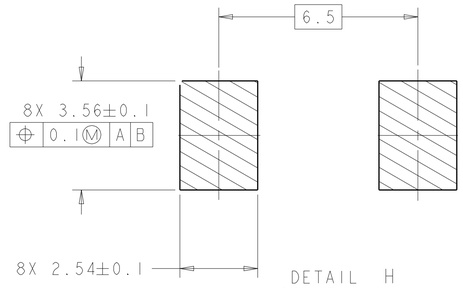


RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
SINGLE SIDED APPLICATIONS 10
SCALE 5:1

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



DETAIL F
RECOMMENDED PT CONNECTOR LAYOUT
4X INDIVIDUALLY
SCALE 10:1



DETAIL H
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN B MATTHEWS 15NOV2011	TE Connectivity	
DIMENSIONS: mm	CHK M SCHMITT 15NOV2011	NAME	SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.1, 1 PLC ±0.1, 2 PLC ±0.1, 3 PLC ±0.1, 4 PLC ±0.1, ANGLES ±1° 0'	APVD M SCHMITT 15NOV2011	PRODUCT SPEC 108-2364	
		APPLICATION SPEC 114-13120	
MATERIAL	WEIGHT -	FINISH	
	SIZE A1	CAGE CODE 00779	DRAWING NO C-2198234
	RESTRICTED TO -		
Customer Drawing	SCALE 4:1	SHEET 3 OF 4	REV A1

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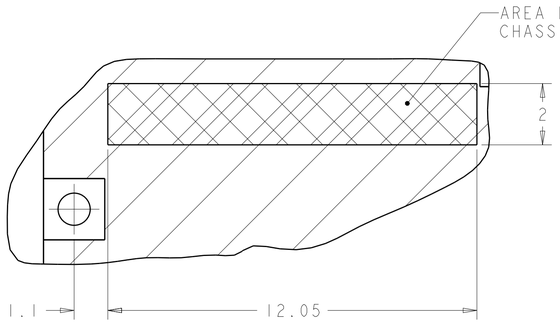
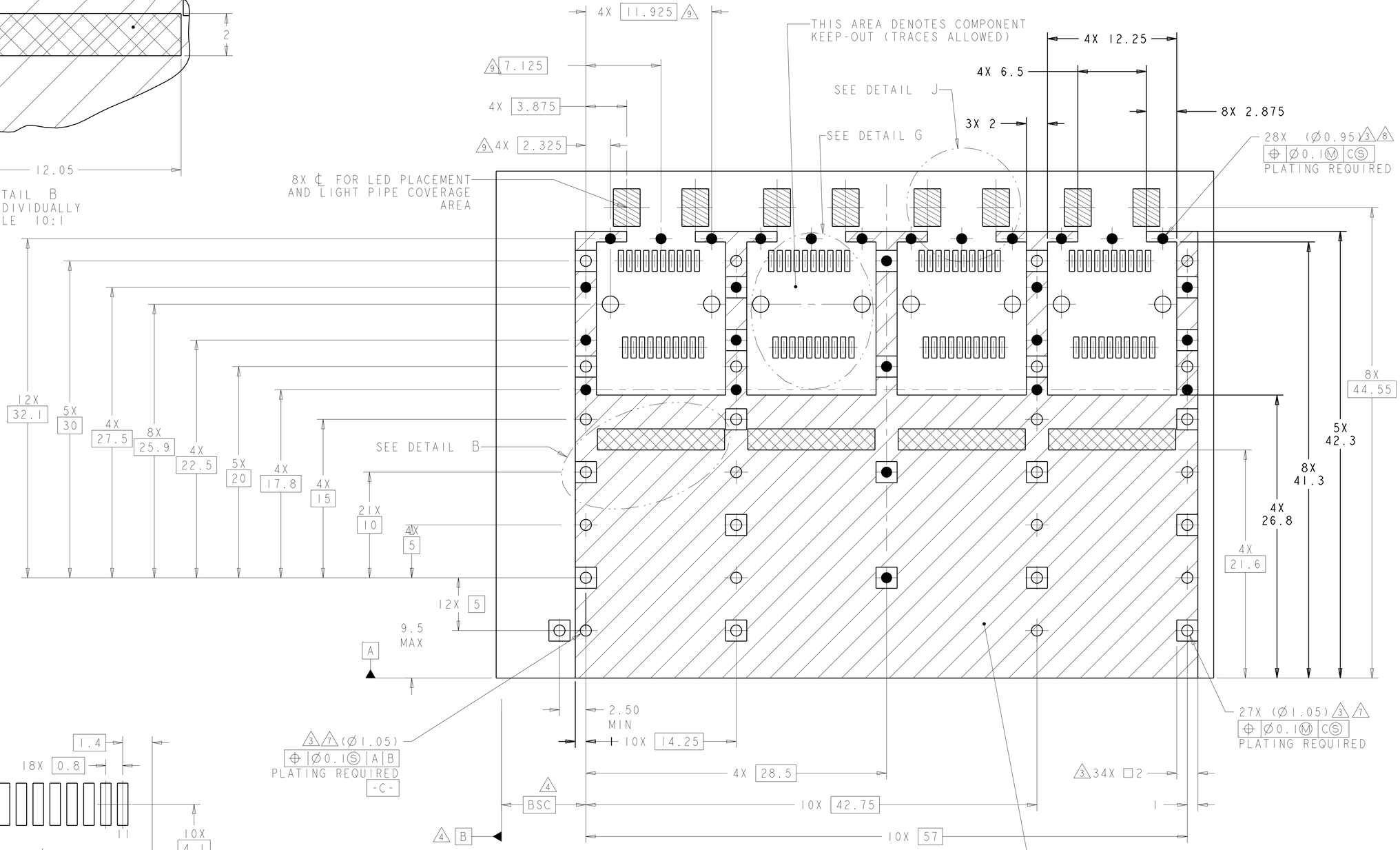
LOC	DIST
GP	00

REVISIONS

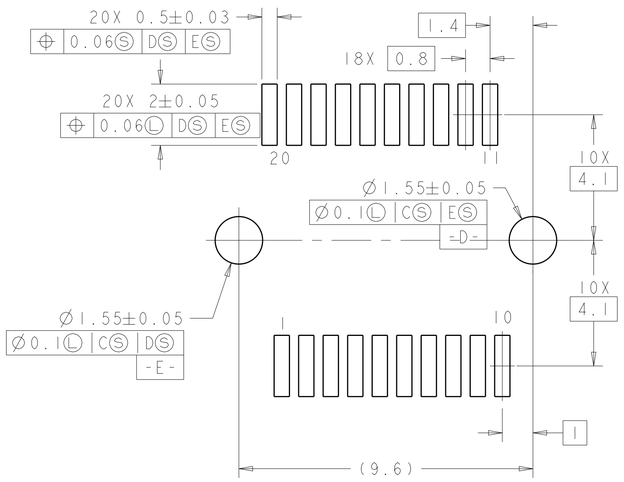
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



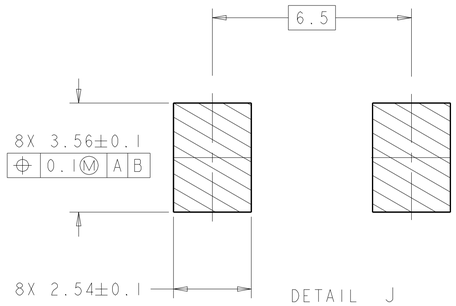
DETAIL B
4X INDIVIDUALLY
SCALE 10:1



RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS 10
SCALE 5:1



DETAIL G
RECOMMENDED PT CONNECTOR LAYOUT
8X INDIVIDUALLY
SCALE 10:1



DETAIL J
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.1
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.1
4 PLC ±0.1
ANGLES ±1°0'

MATERIAL

FINISH

DWN	B. MATTHEWS	15NOV2011
CHK	M. SCHMITT	15NOV2011
APVD	M. SCHMITT	15NOV2011

PRODUCT SPEC 108-2364
APPLICATION SPEC 114-13120
WEIGHT -

TE Connectivity

NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2198234	-

Customer Drawing | SCALE 4:1 | SHEET 4 OF 4 | REV A1

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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- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
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- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
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- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

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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.*

Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru