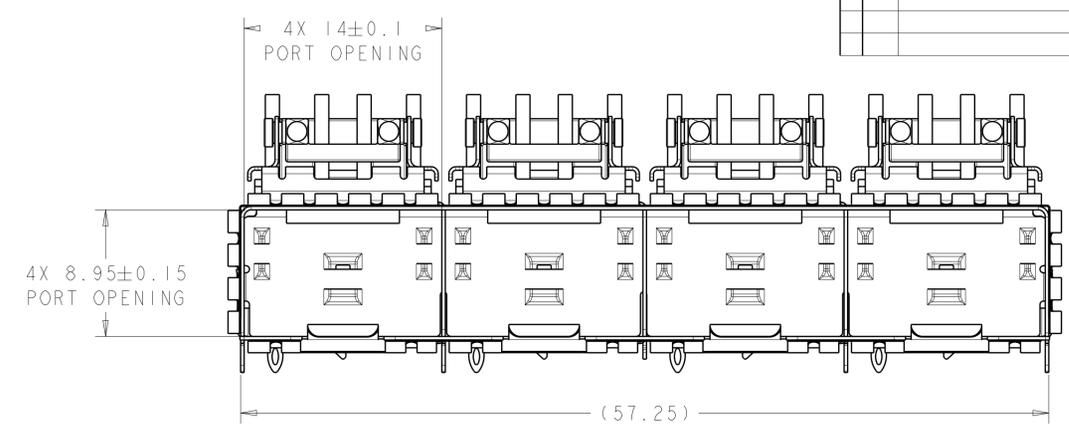
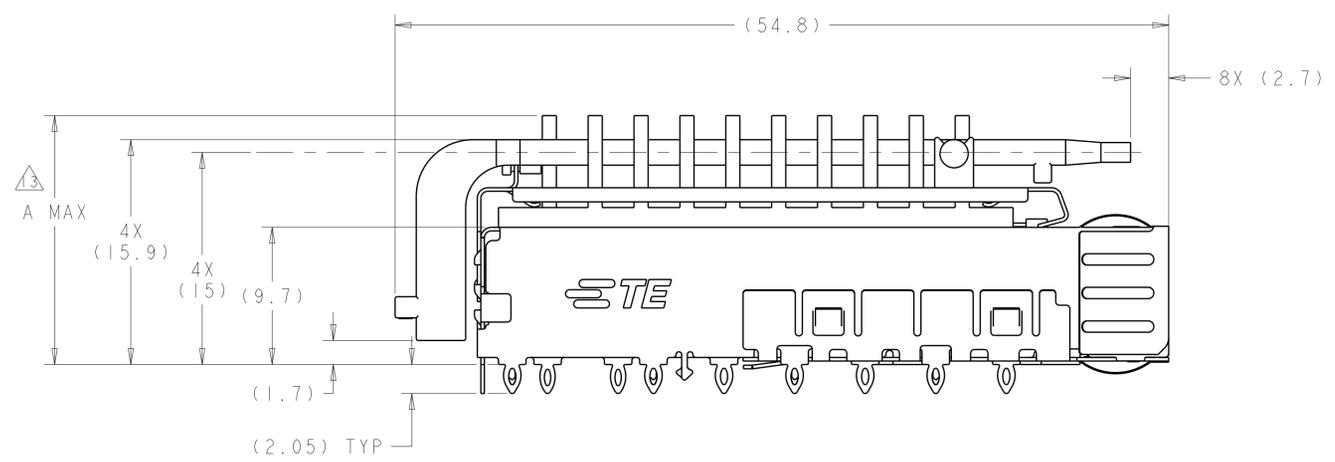
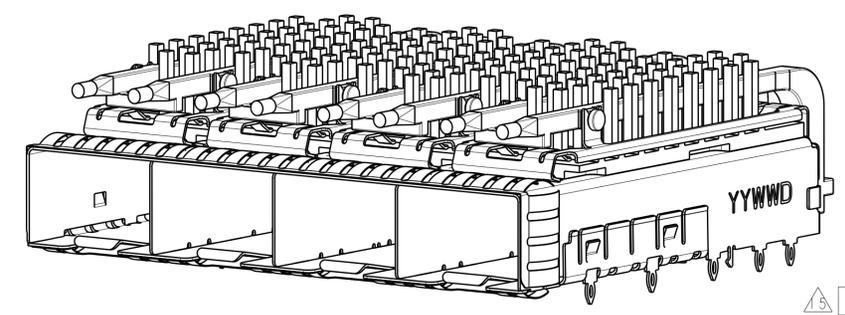
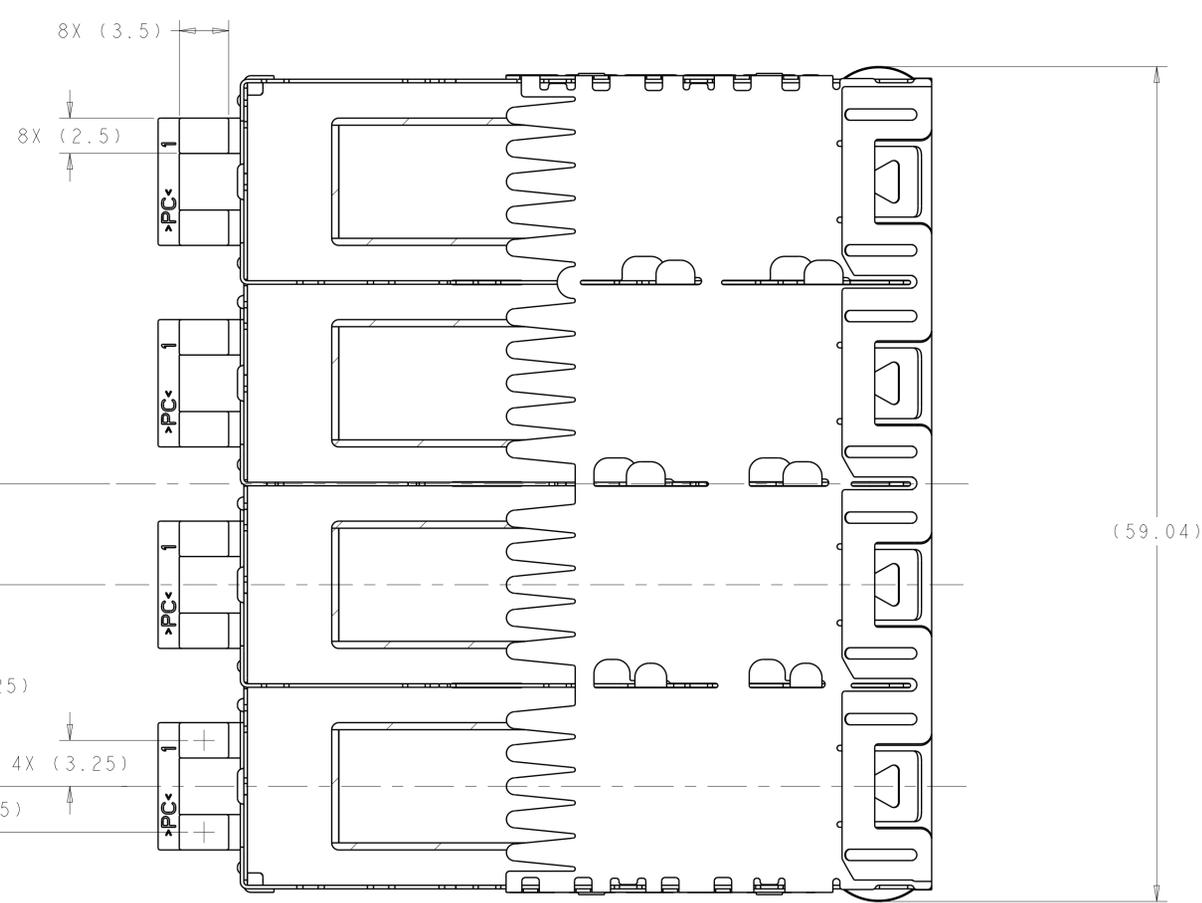


LOC		DIST		REVISONS			
P	LTN	DATE	DMN	APVD	DESCRIPTION		
I		15NOV2011	BMM	MRS	ORIGINAL		



- 1 MATERIAL:
 CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
 HEATSINK/LIGHTPIPE CLIP: STAINLESS STEEL
 LIGHTPIPE: 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/LIGHTPIPE CLIP: PASSIVATE.
 HEATSINK: ELECTROLESS NICKEL.
- 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 FORM 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.

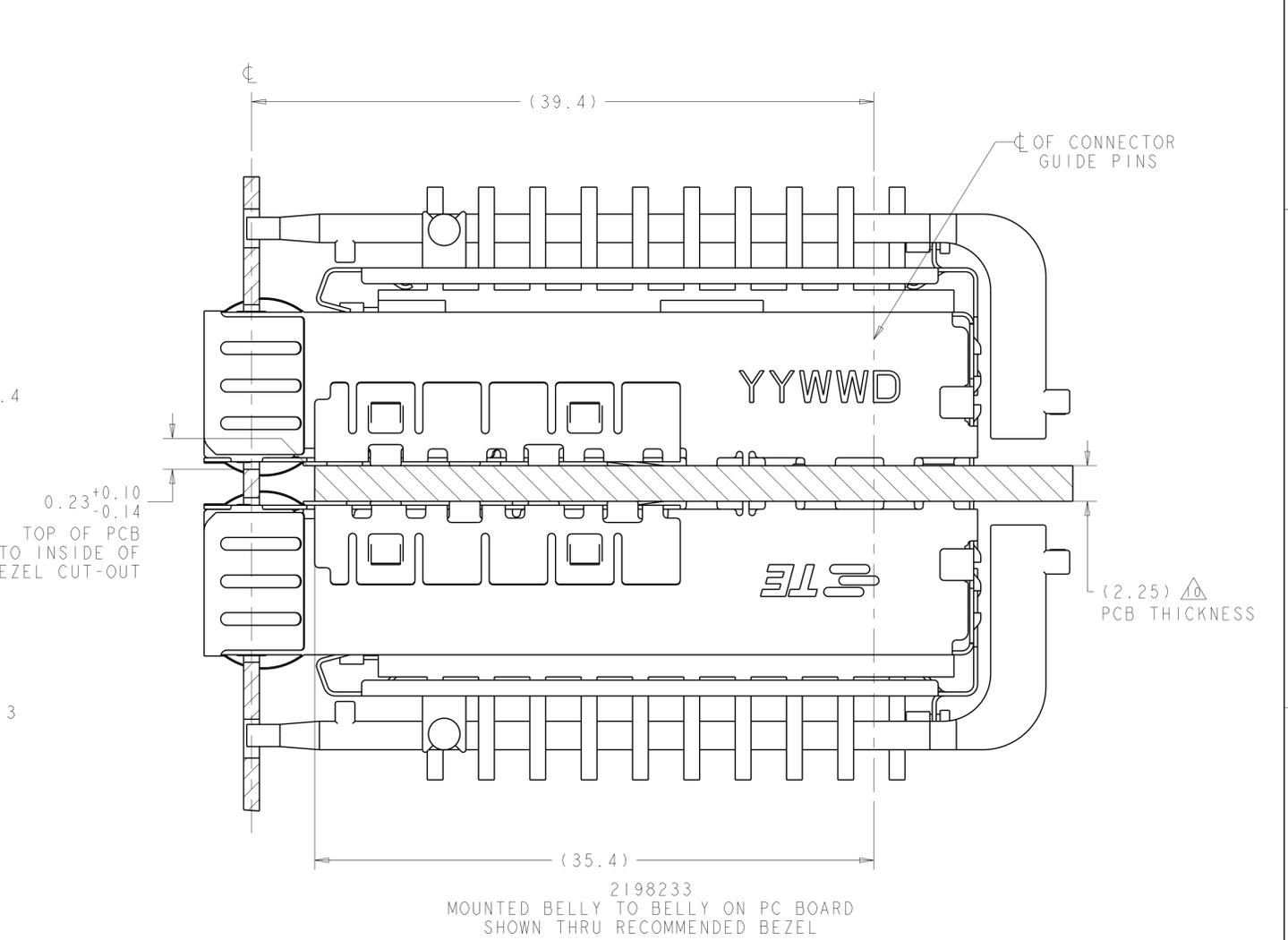
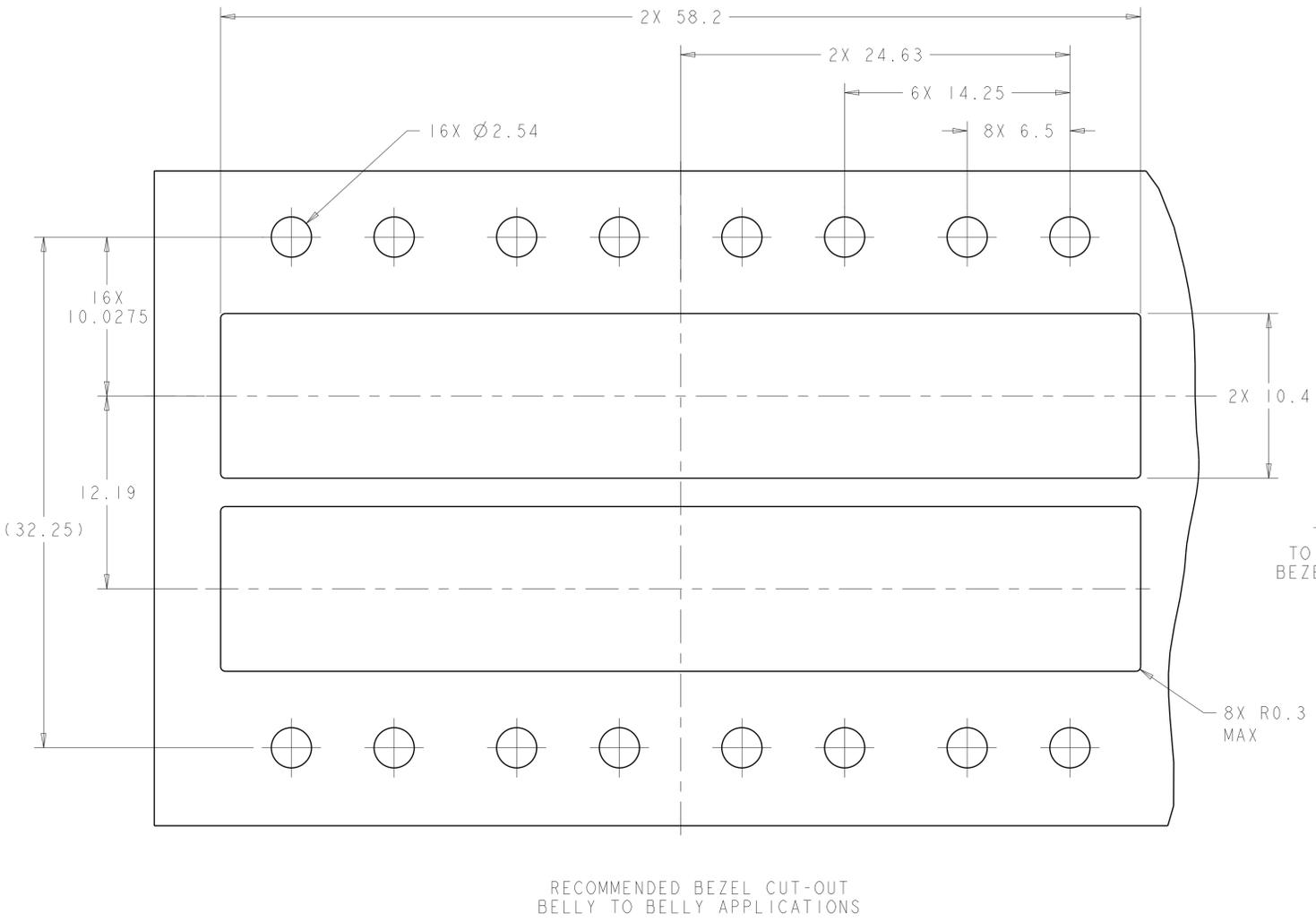
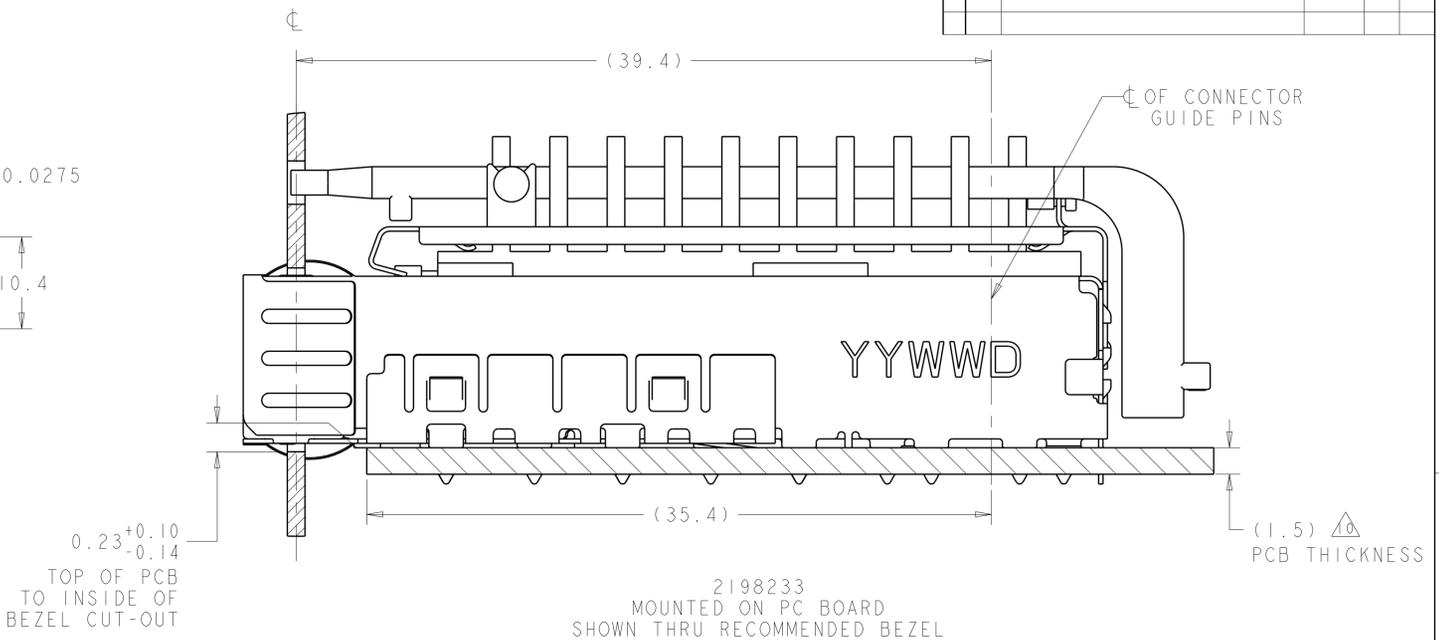
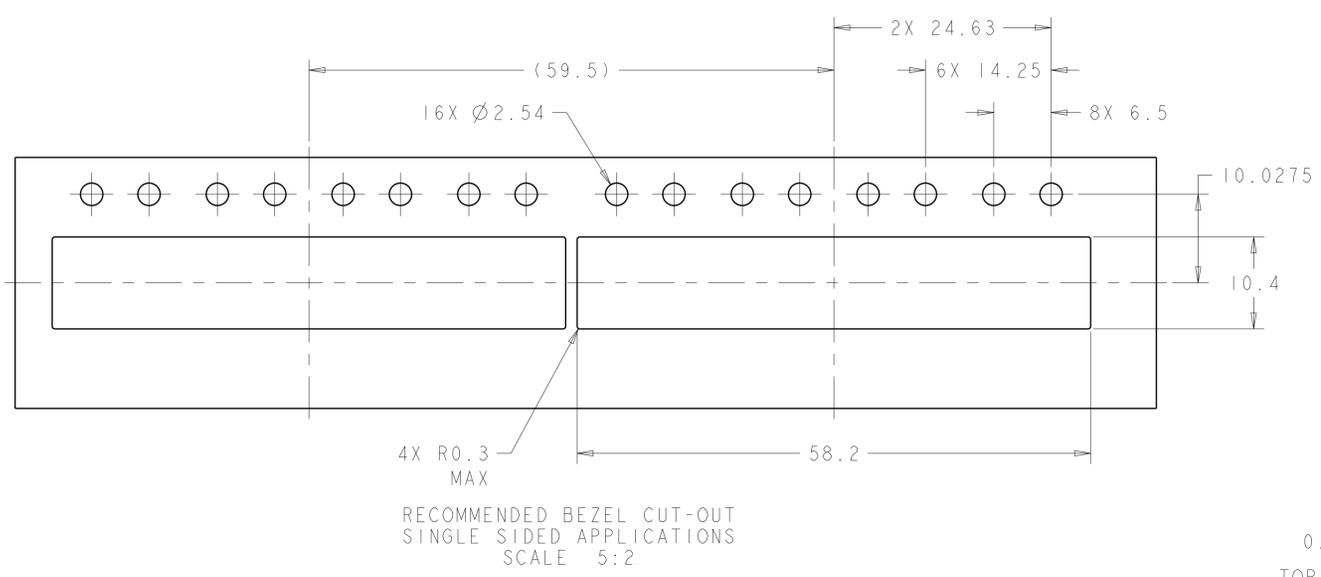


2198233
 FINISHED ASSEMBLY
 SCALE 3:1

22.5	NETWORKING, TALL	2198233-4
18.1	NETWORKING, SHORT	2198233-3
15.5	SAN	2198233-2
13.2	PCI	2198233-1
A MAX	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN B. MATTHEWS 15NOV2011	TE Connectivity
DIMENSIONS: mm		CHK M. SCHMITT 15NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. SCHMITT 15NOV2011	NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE
0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°		PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120 WEIGHT -	
MATERIAL		FINISH	SIZE A100779 CAGE CODE DRAWING NO 2198233 RESTRICTED TO Customer Drawing
		SCALE 4:1	SHEET 1 OF 4 REV A1

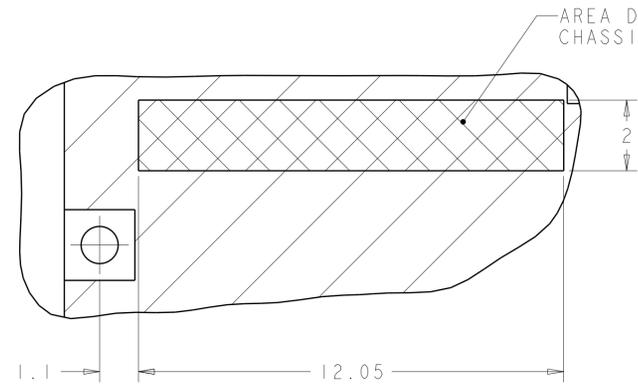
LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
		-		SEE SHEET 1	-	-	-



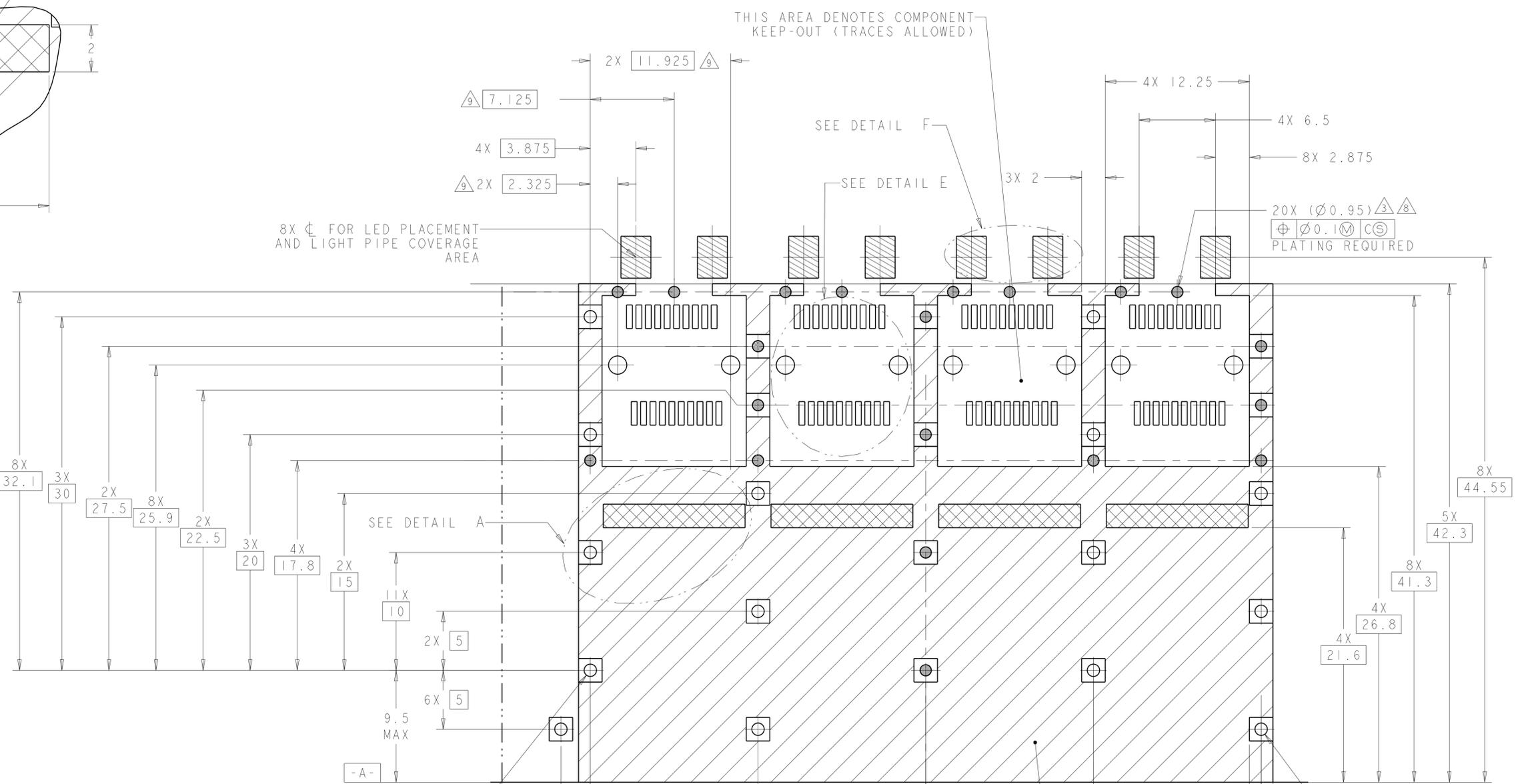
THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN	B. MATTHEWS	15NOV2011
DIMENSIONS:		CHK	M. SCHMITT	15NOV2011
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	M. SCHMITT	15NOV2011
Ø	0 PLC ±0.1	NAME	SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE	
∠	1 PLC ±0.1	PRODUCT SPEC	108-2364	
	2 PLC ±0.1	APPLICATION SPEC	114-13120	
	3 PLC ±0.1	SIZE	CAGE CODE DRAWING NO	
	4 PLC ±0.1	WEIGHT	A100779C=2198233	
	ANGLES ±1°	RESTRICTED TO	Customer Drawing	
MATERIAL	FINISH	SCALE	4:1	SHEET 2 OF 4

LOC	DIST	REV	DATE	APP'D
GP	00			

REVISIONS				
REV	DATE	APP'D	DESCRIPTION	DATE
-	-	-	SEE SHEET 1	-



DETAIL A
4X INDIVIDUALLY
SCALE 10:1



8X ϕ FOR LED PLACEMENT AND LIGHT PIPE COVERAGE AREA

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

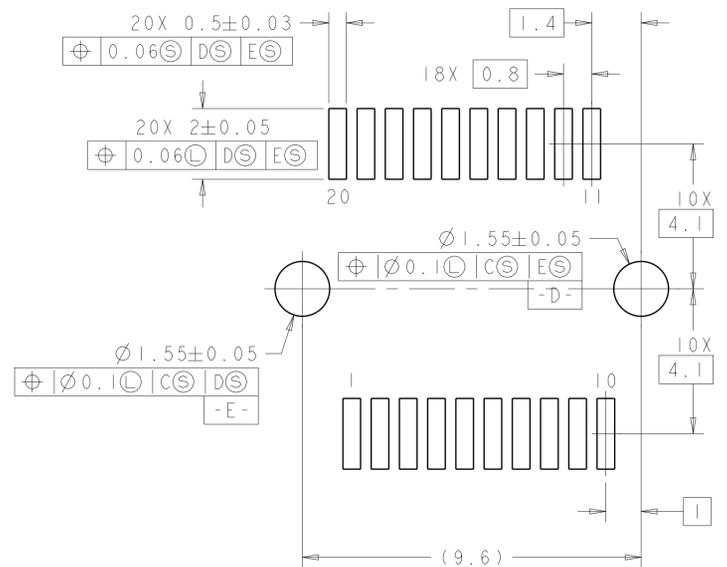
20X $(\phi 0.95)$ PLATING REQUIRED

$(\phi 1.05)$ PLATING REQUIRED

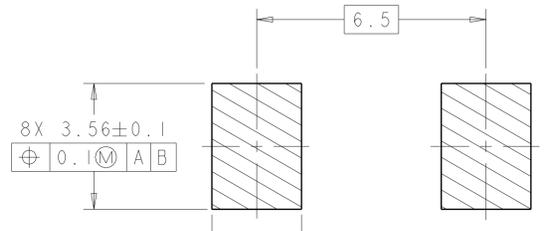
13X $(\phi 1.05)$ PLATING REQUIRED

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

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



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

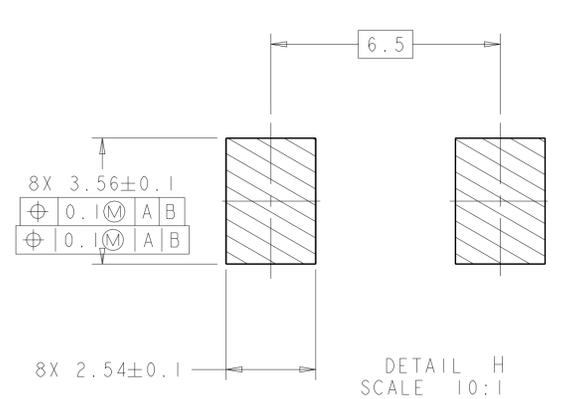
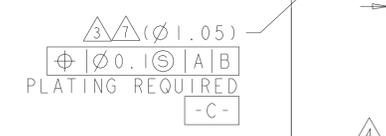
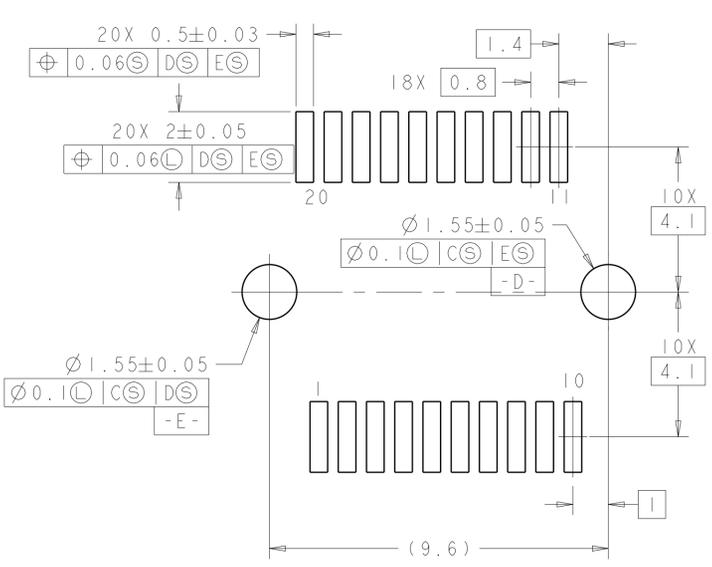
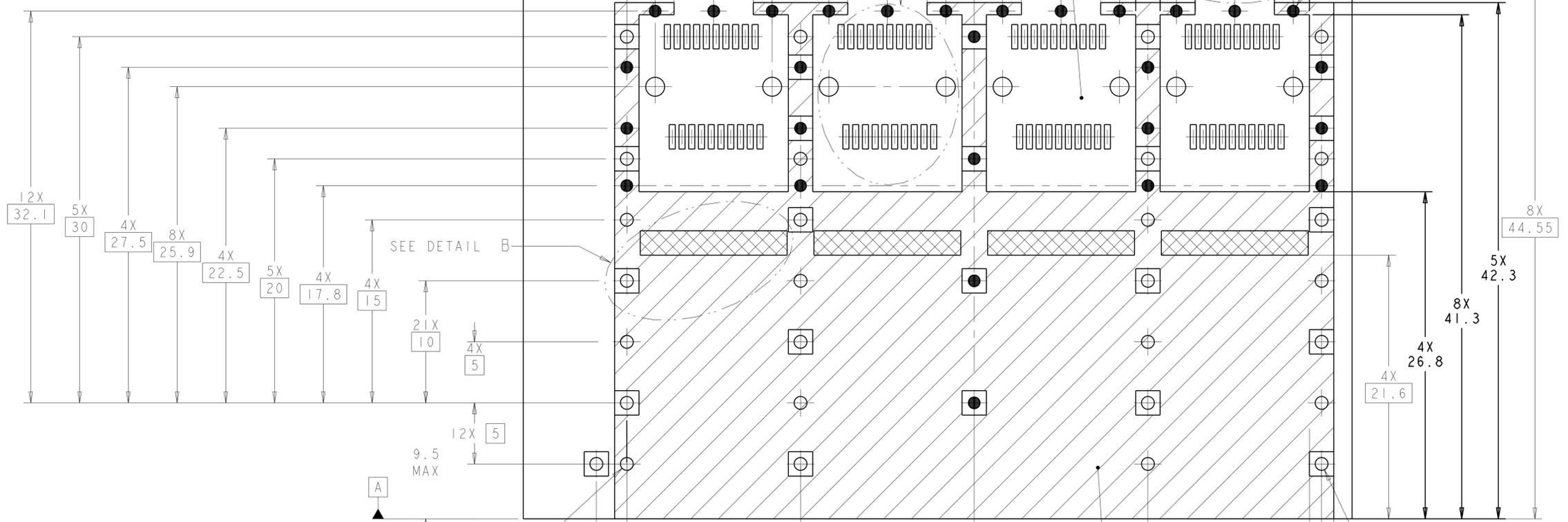
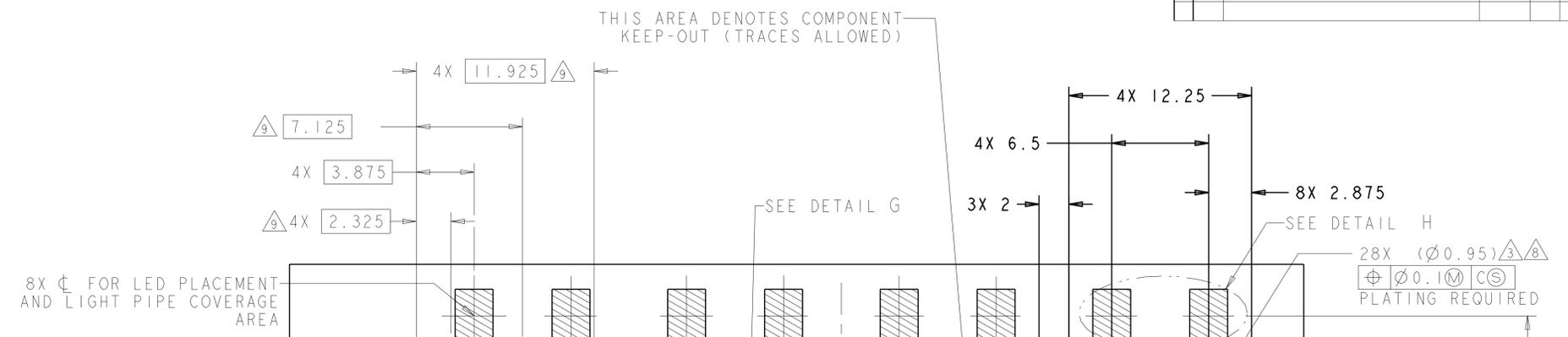
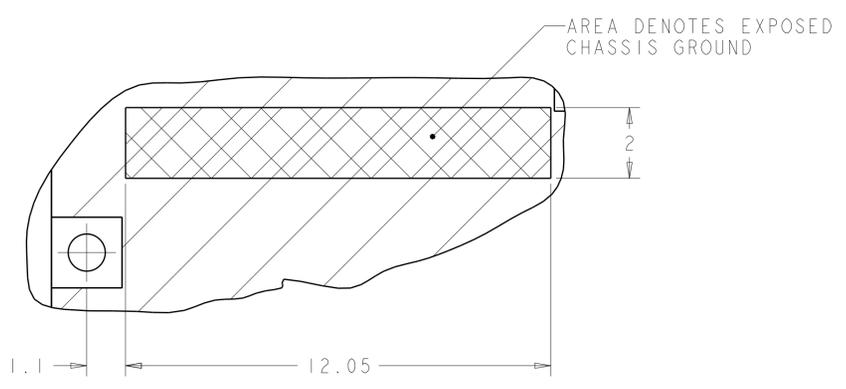


DETAIL F
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: B. MATTHEWS 15NOV2011	TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 15NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. SCHMITT 15NOV2011	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE PRODUCT SPEC: 108-2364 APPLICATION SPEC: SIZE: 114-13120 WEIGHT: MATERIAL: FINISH:
0 PLC ±0.1		RESTRICTED TO:	
1 PLC ±0.1		A100779 ©=2198233	
2 PLC ±0.1		SCALE: 4:1 SHEET 3 OF 4 REV: A1	
3 PLC ±0.1		Customer Drawing	
4 PLC ±0.1			
ANGLES ±1°			

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS		DATE	BY	APPV
1	SEE SHEET 1			



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

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: B. MATTHEWS 15NOV2011 CHK: M. SCHMITT 15NOV2011 APPV: M. SCHMITT 15NOV2011	TE Connectivity
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°	PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 WEIGHT: -	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE SIZE: 114-13120 CAGE CODE: A100779 DRAWING NO: C=2198233	

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

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