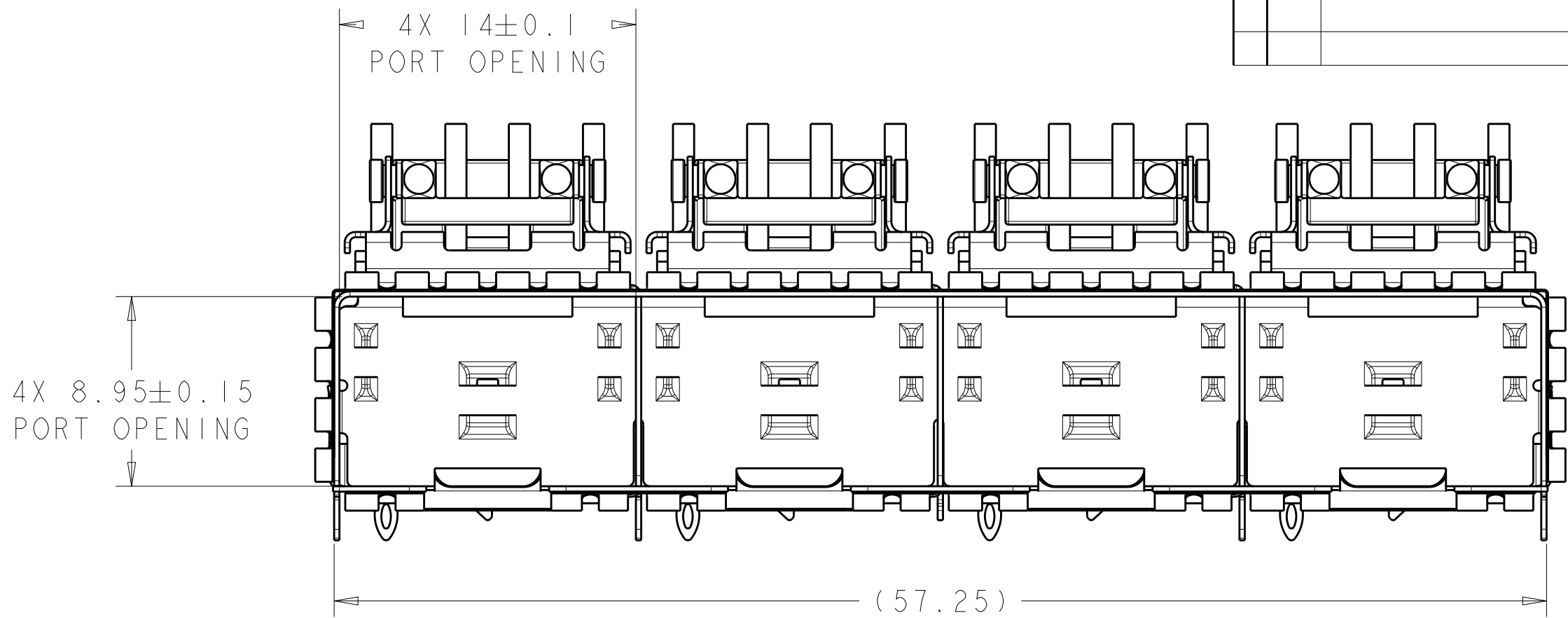
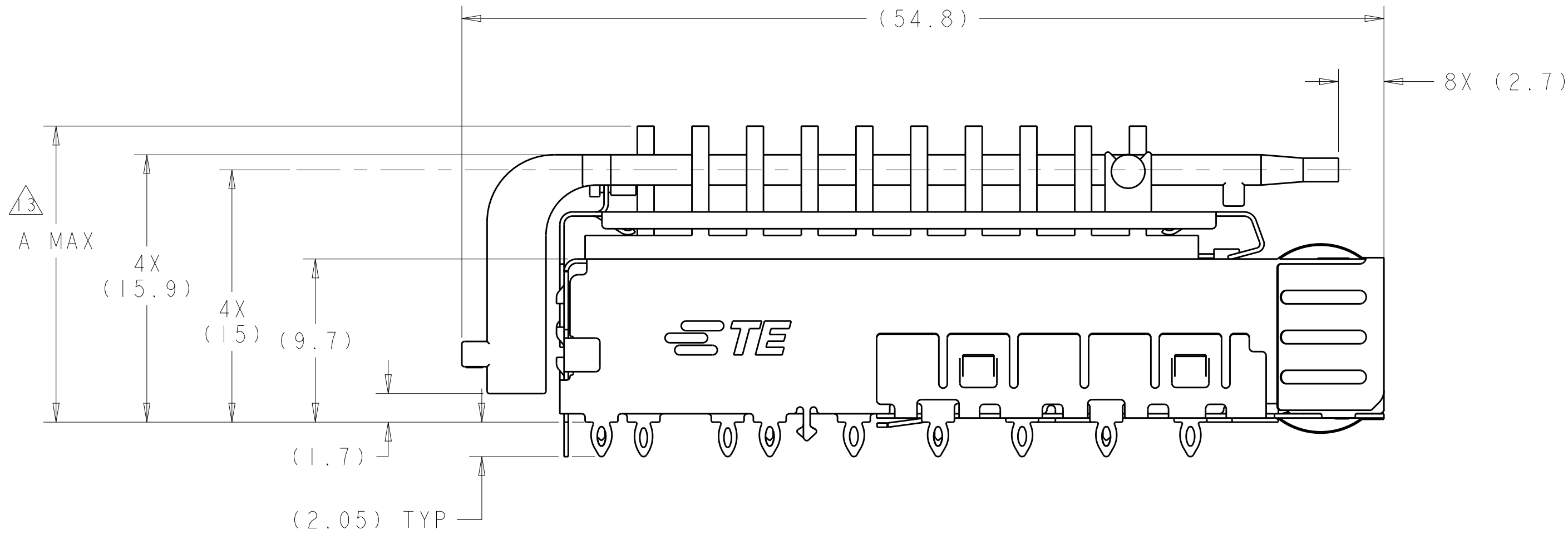
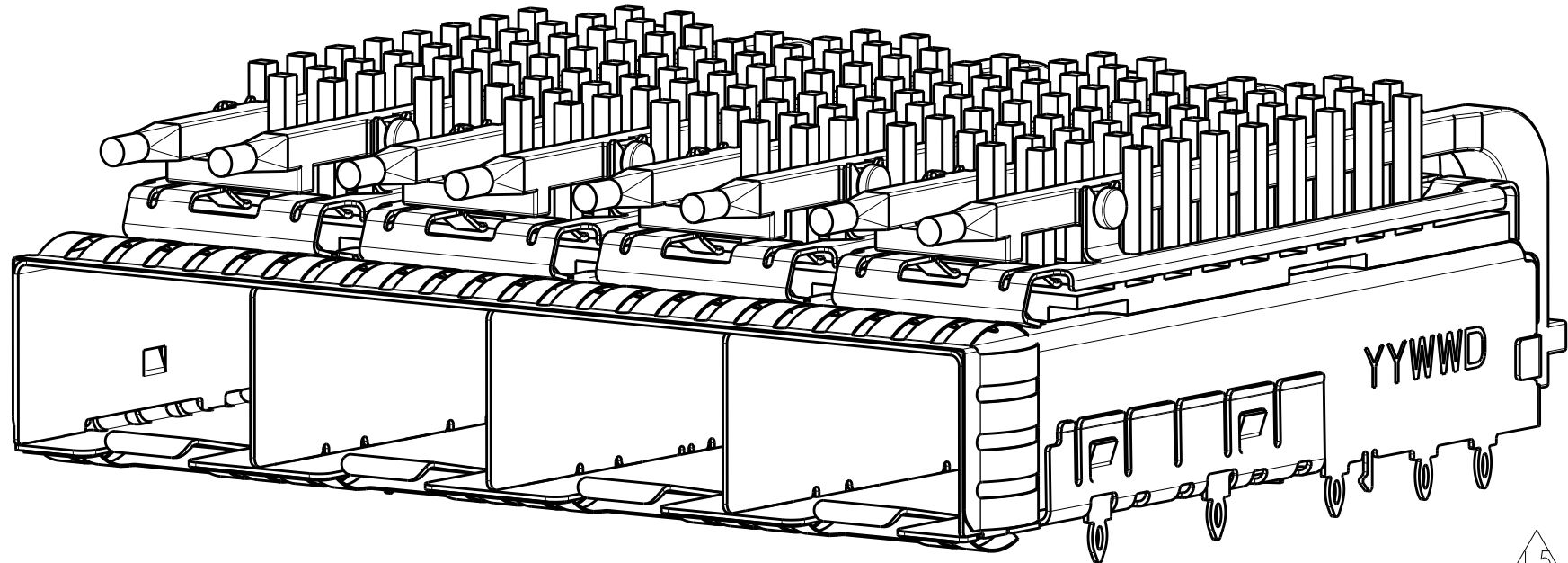


LOC		DIST		REVISONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
	I	ORIGINAL		15NOV2011	BMM	MRS	



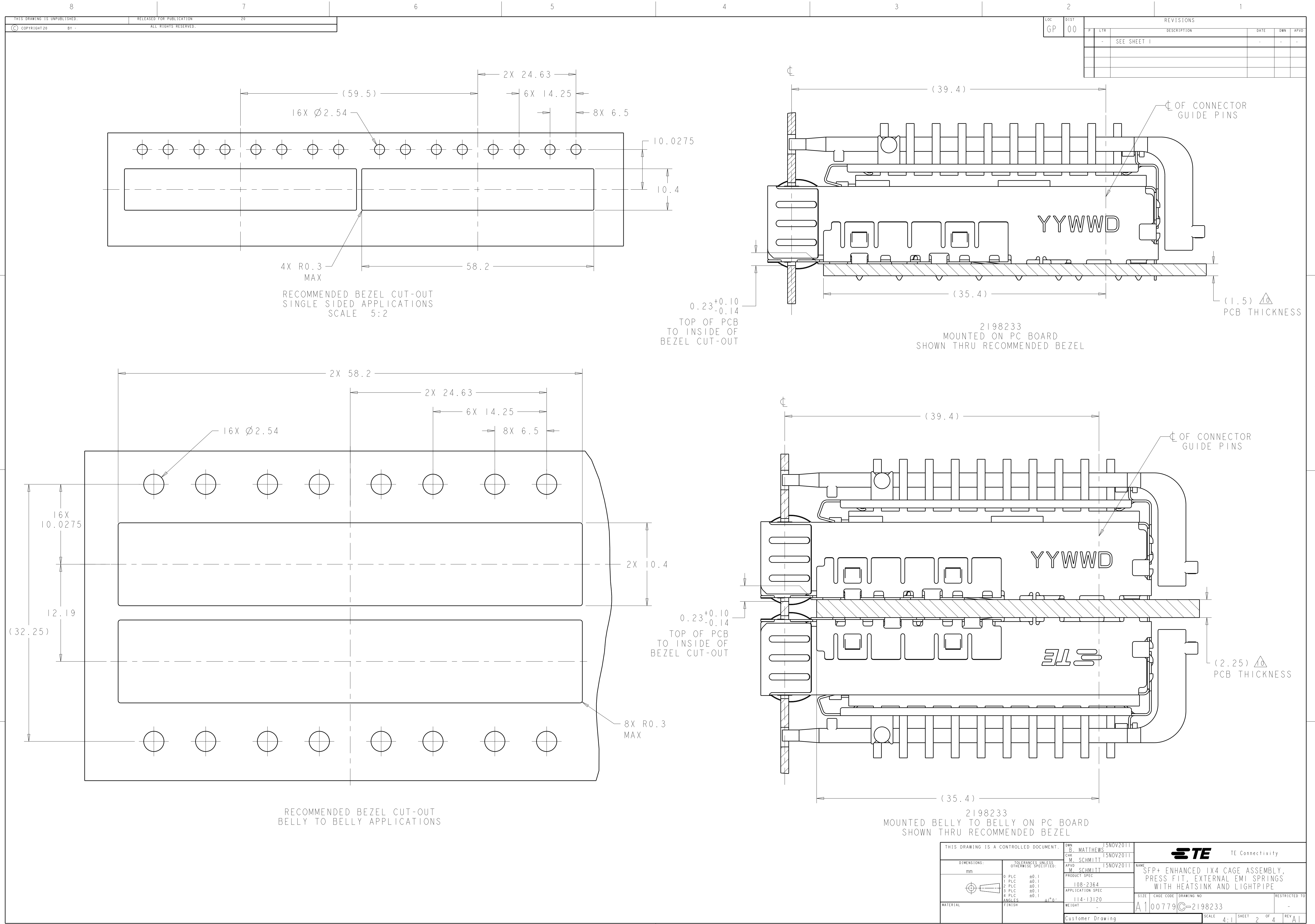
- 1 MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
HEATSINK/LIGHTPIPE CLIP: STAINLESS STEEL
LIGHTPIPE: POLYCARBONATE, CLEAR
HEATSINK: ALUMINUM
- 2 FINISH:
SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE.
NON-PLATED EDGES PERMISSIBLE.
HEATSINK/LIGHTPIPE CLIP: PASSIVATE.
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

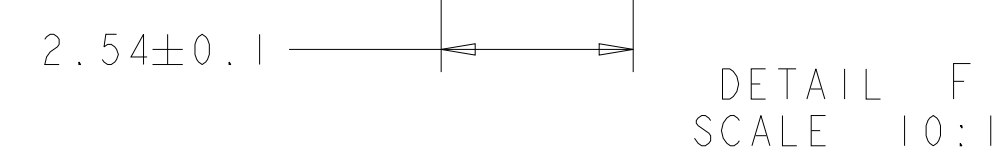
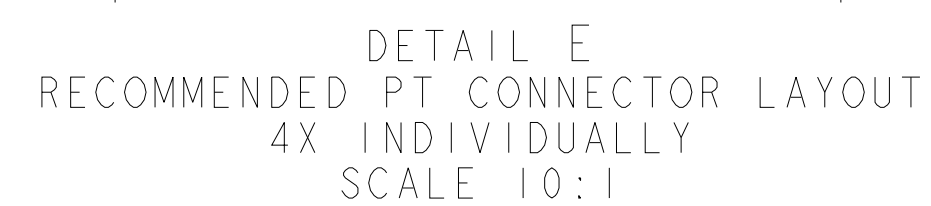
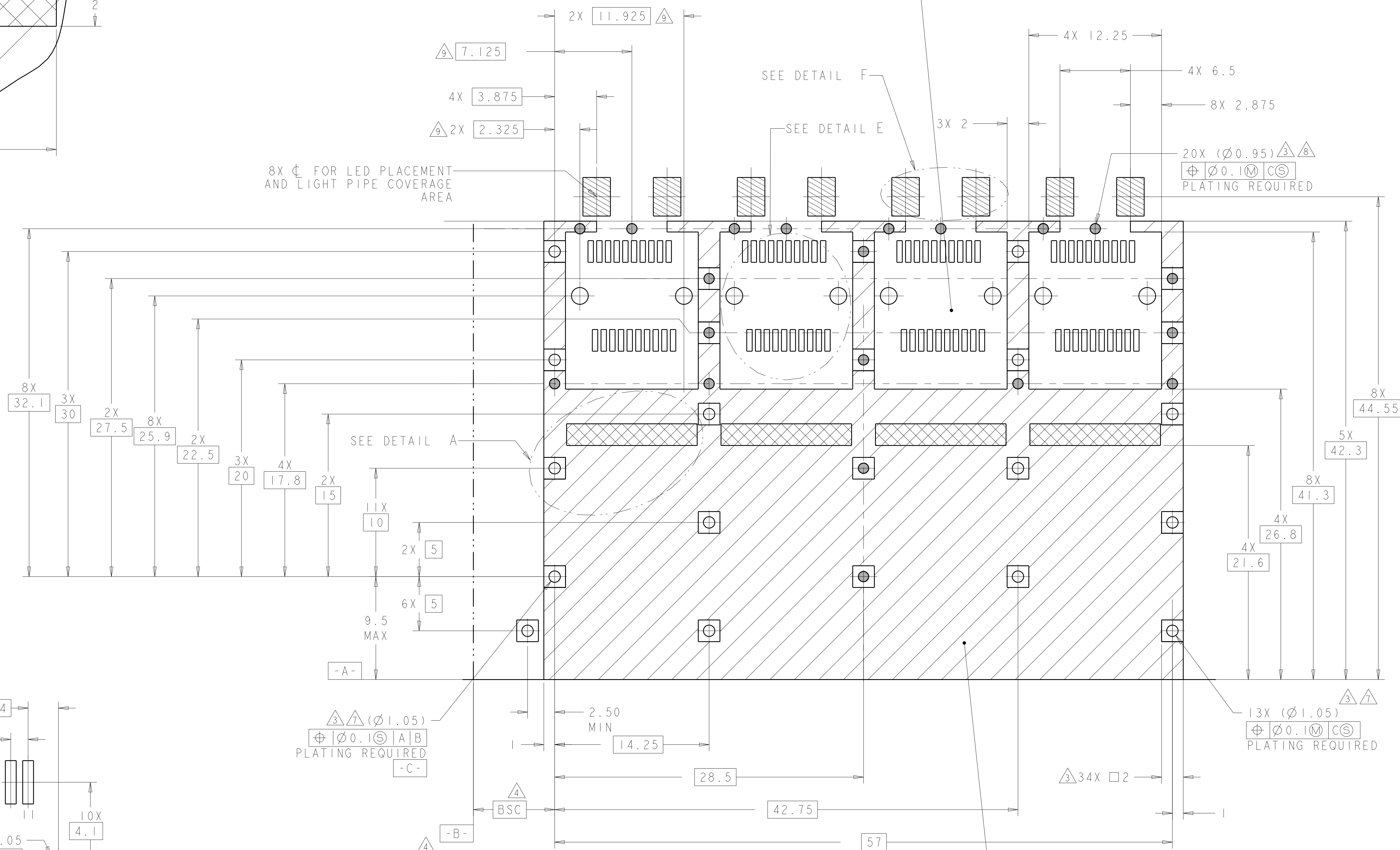
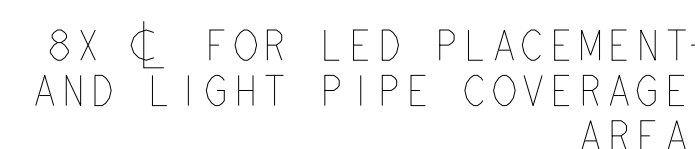
22.5	NETWORKING, TALL	2198233-4
18.1	NETWORKING, SHORT	2198233-3
15.5	SAN	2198233-2
13.2	PCI	2198233-1
A MAX	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS CHK M. SCHMITT APVD W. SCHMITT	5NOV2011 15NOV2011 15NOV2011	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°		SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE	
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO	
				A100779C=2198233	
				RESTRICTED TO	
				Customer Drawing	
				SCALE 4:1 SHEET 1 OF 4 REV A1	



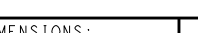
LOC		DIST		REVISIONS			
GP				P	LYR	DESCRIPTION	DATE
				-		SEE SHEET 1	-

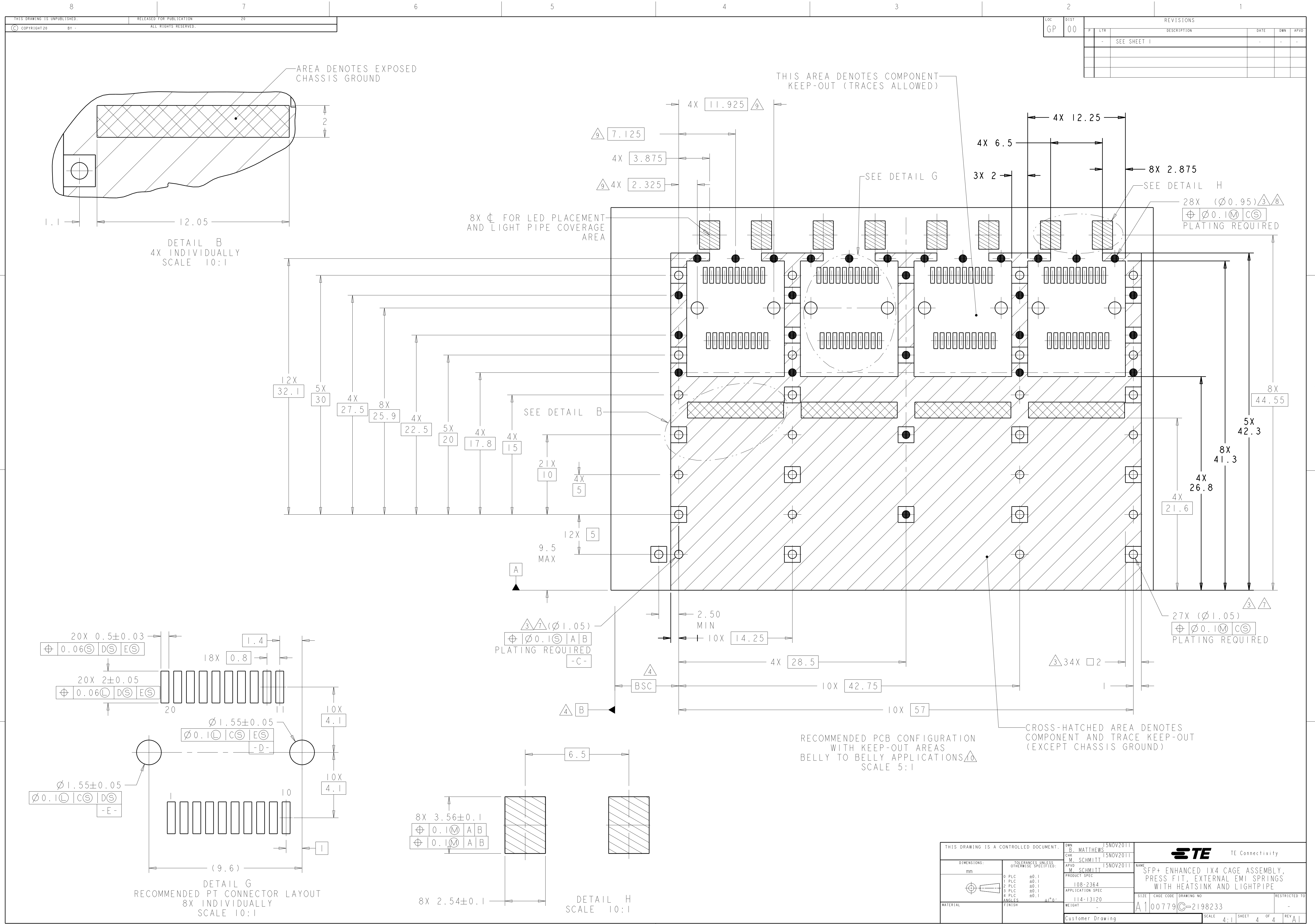
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	B. MATTHEWS	15NOV2011	TE Connectivity	
				CHK	M. SCHMITT	15NOV2011		
				APVD	M. SCHMITT	15NOV2011	NAME	
				PRODUCT SPEC			SFP+ ENHANCED 1X4 CAGE ASSEMBLY,	
				APPLICATION SPEC			PRESS FIT, EXTERNAL EMI SPRINGS	
				WEIGHT			WITH HEATSINK AND LIGHTPIPE	
				Customer Drawing			RESTRICTED TO	
							A100779C=2198233	
							SCALE 4:1 SHEET 2 OF 4 REV A1	



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)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 15NOV2011 BY <u>M. SCHMITT</u> CHK 15NOV2011 BY <u>M. SCHMITT</u> REV 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°		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE	
		PRODUCT SPEC <u>108-2364</u> APPLICATION SPEC <u>114-13120</u>		SIZE A1	
MATERIAL		FINISH		CAGE CODE 00779	
WEIGHT		RESTRICTED TO		DRAWING NO 2198233	
Customer Drawing		SCALE		SHEET 3 OF 4 REV A	



LOC		DIST		REVISONS			
GP		00		REV	DESCRIPTION	DATE	APVD
				-	SEE SHEET 1	-	-

DETAIL B
4X INDIVIDUALLY
SCALE 10:1

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

DETAIL H
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	0 PLC ± 0.1 1 PLC ± 0.1 2 PLC ± 0.1 3 PLC ± 0.1 4 PLC ± 0.1 ANGLES $\pm 1^{\circ}$
MATERIAL	FINISH

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

NAME

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

SIZE

CAGE CODE

DRAWING NO

1100779

DRAWING NO

2198233

RESTRICTED TO

-

SCALE

4:1

SHEET

4

OF

4

REV

A1

TE TE Connectivity