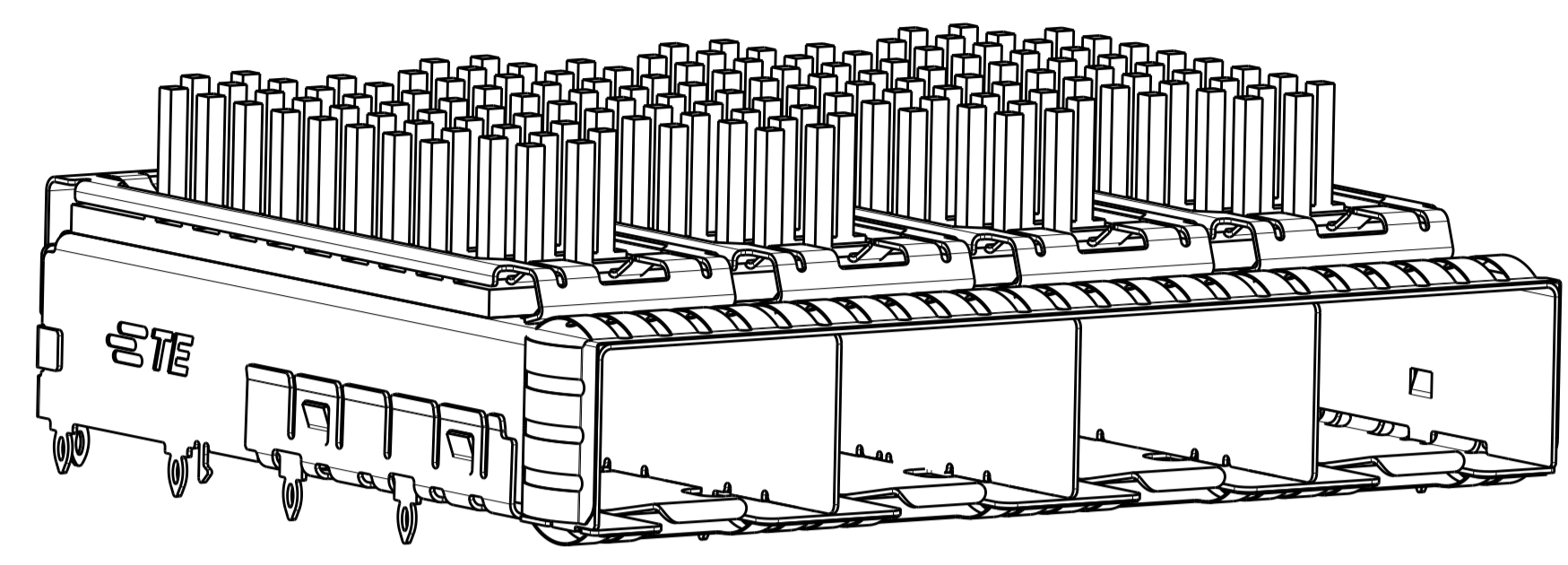
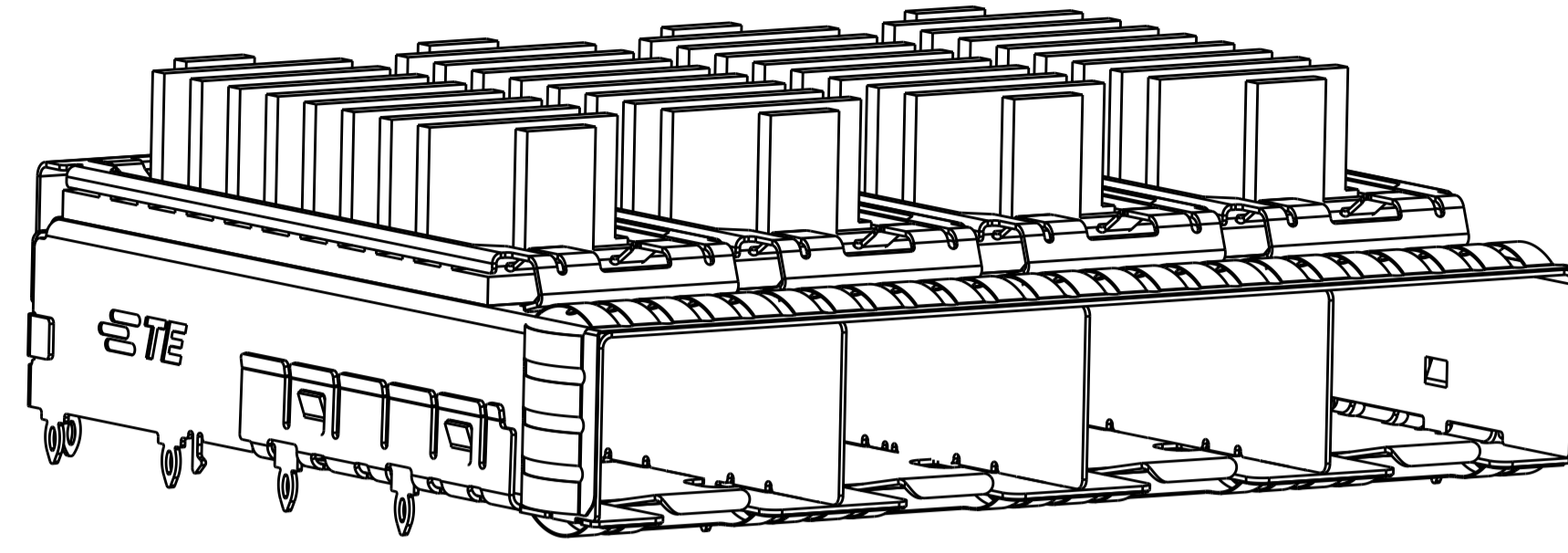


LOC	DIST	REVISIONS					
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
		A		RELEASED PER ECO-12-013192	06NOV2012	BMM	MRS
		A1		RELEASED PER ECO-13-014600	11SEP2013	PP	SH
		A3		RELEASED PER ECO-15-006578	20APR2015	PP	SH

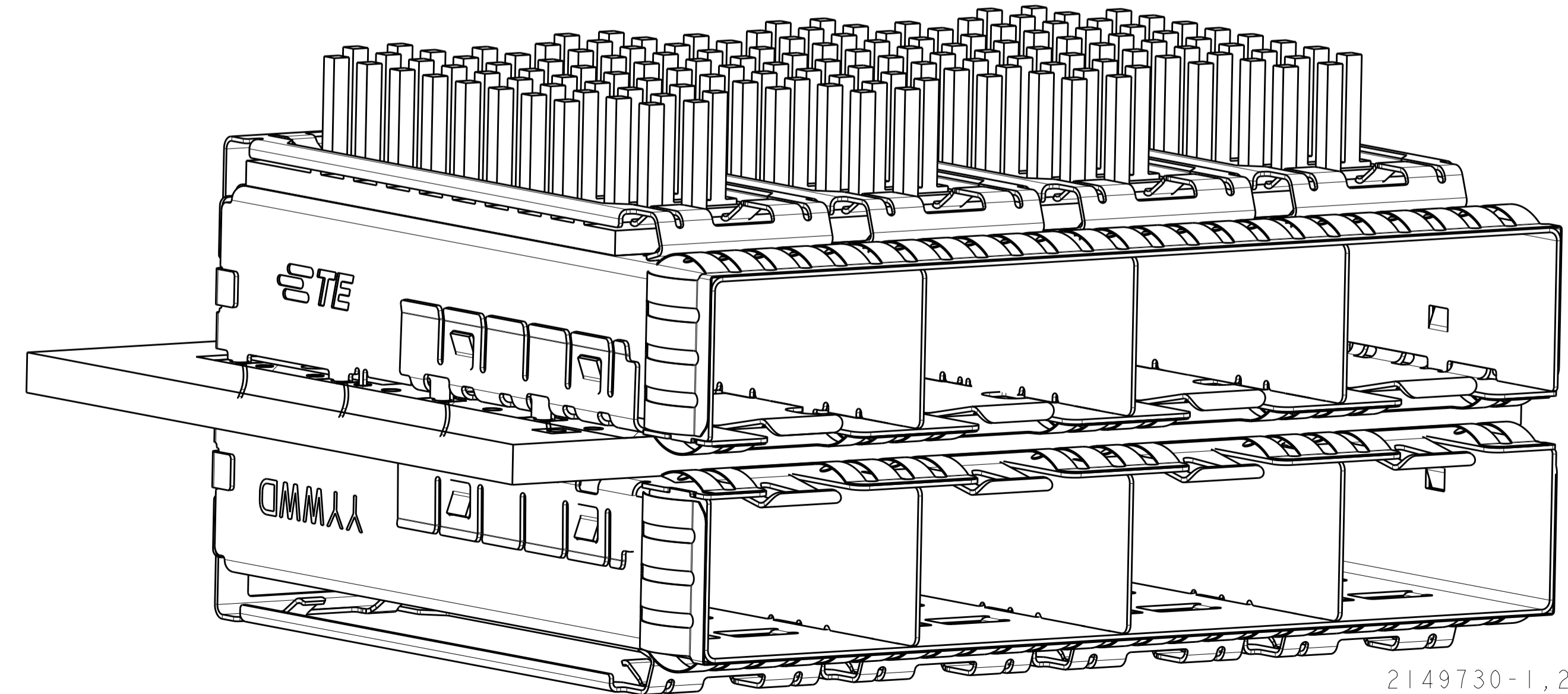
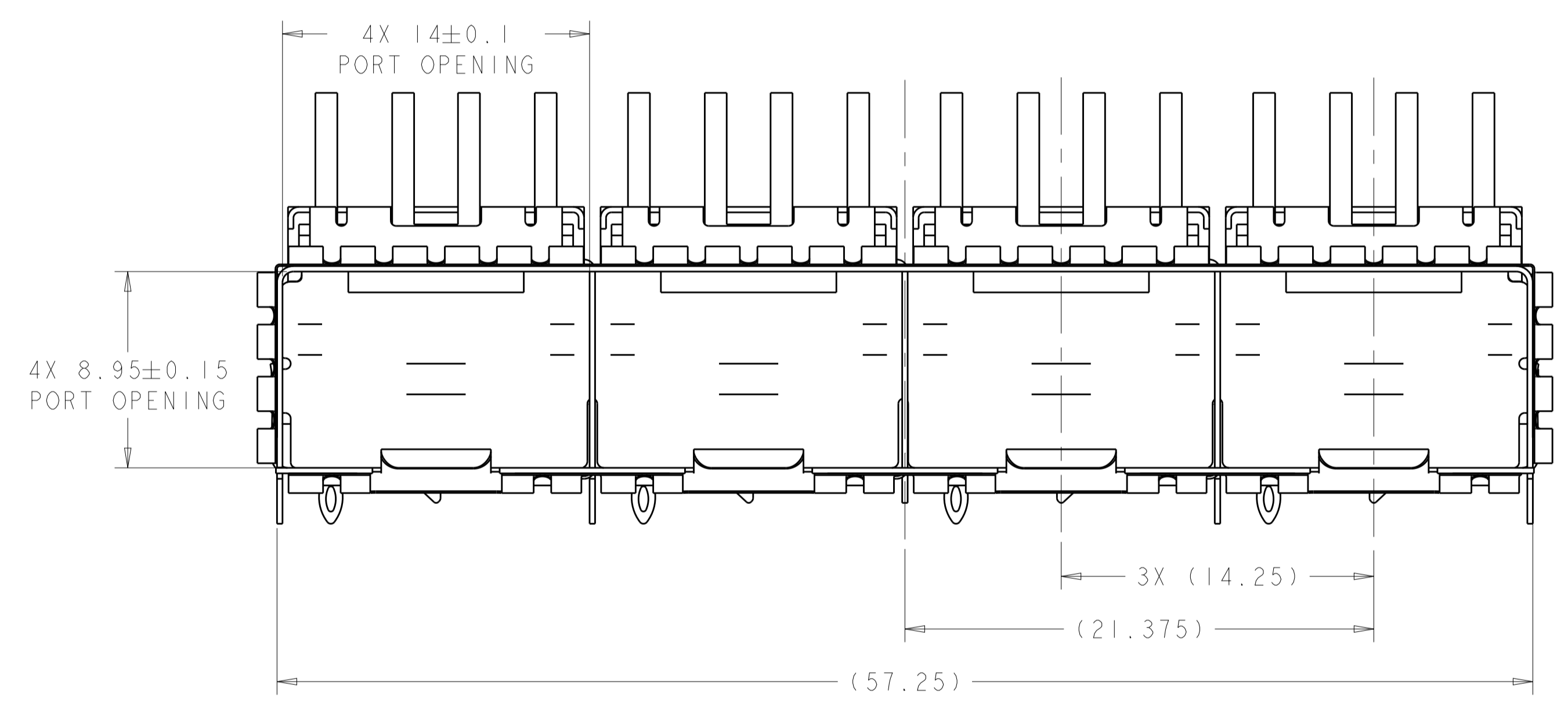
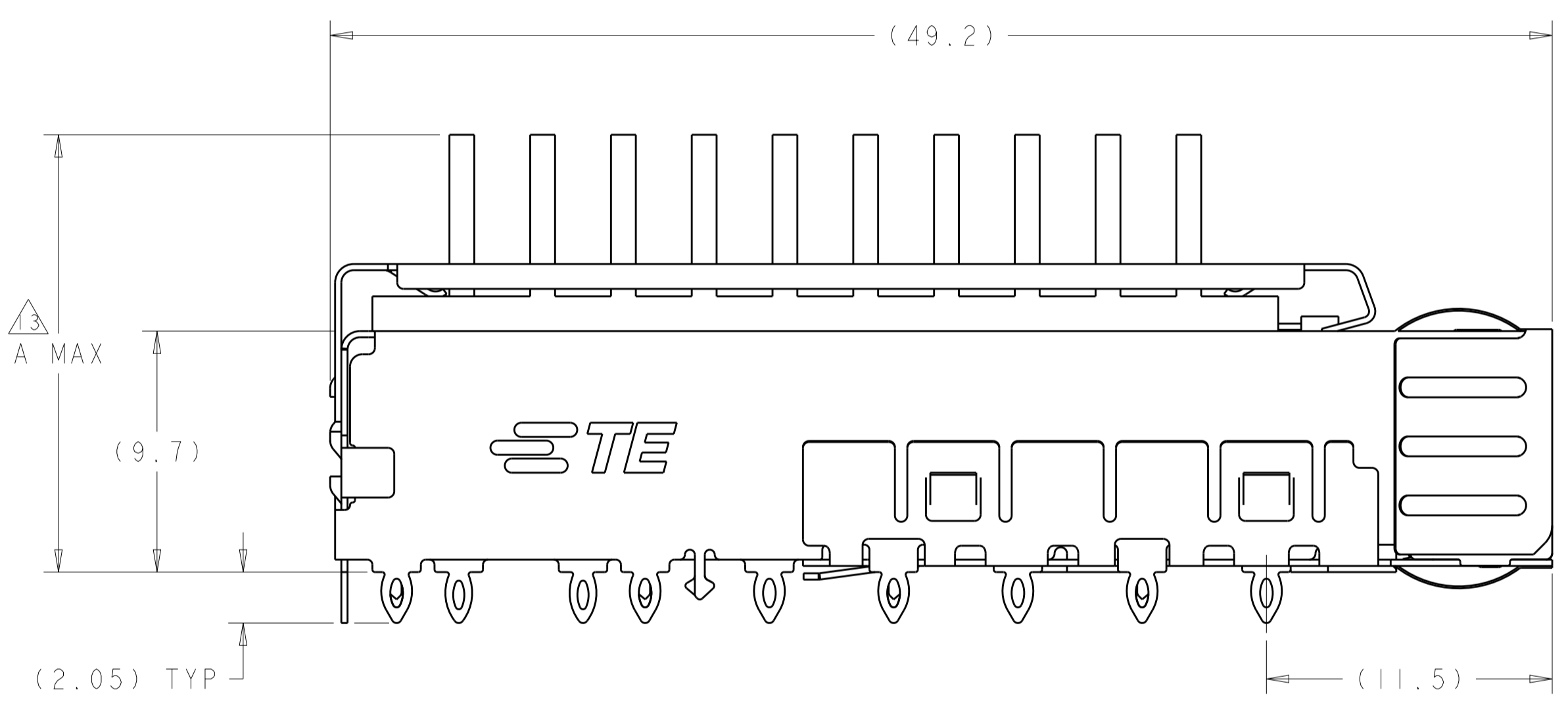


2149730-1,2,3,4,5
 FINISHED ASSEMBLY WITH
 PIN TYPE HEAT SINK



2149730-6,7,8,9,10
 FINISHED ASSEMBLY WITH
 FIN TYPE HEAT SINK

- 1. MATERIAL:
 CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
 HEATSINK CLIP: STAINLESS STEEL
 HEATSINK: ALUMINUM
- 2. FINISH:
 EMI SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE.
 NON-PLATED EDGES PERMISSIBLE.
 HEATSINK: ELECTROLESS NICKEL
 HEATSINK 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 FORM FACTOR FOR SFP+ GANGED CAGES.
- 13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE



2149730-1,2,3,4,5
 MOUNTED BELLY TO BELLY ON PCB
 SCALE 4:1

FIN TYPE	W/ INSULATING TAPE	22.5	NETWORKING, TALL	2149730-10
FIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2149730-9
FIN TYPE	W/O INSULATING TAPE	15.5	SAN	2149730-8
FIN TYPE	W/O INSULATING TAPE	13.2	PCI	2149730-7
FIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2149730-6
PIN TYPE	W/ INSULATING TAPE	22.5	NETWORKING, TALL	2149730-5
PIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2149730-4
PIN TYPE	W/O INSULATING TAPE	15.5	SAN	2149730-3
PIN TYPE	W/O INSULATING TAPE	13.2	PCI	2149730-2
PIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2149730-1
HEAT SINK TYPE	DESCRIPTION	A MAX	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DMN M. SCHMITT 23AUG2010
 CHK M. SCHMITT 23AUG2010
 APVD B. WERTZ 23AUG2010

STE TE Connectivity

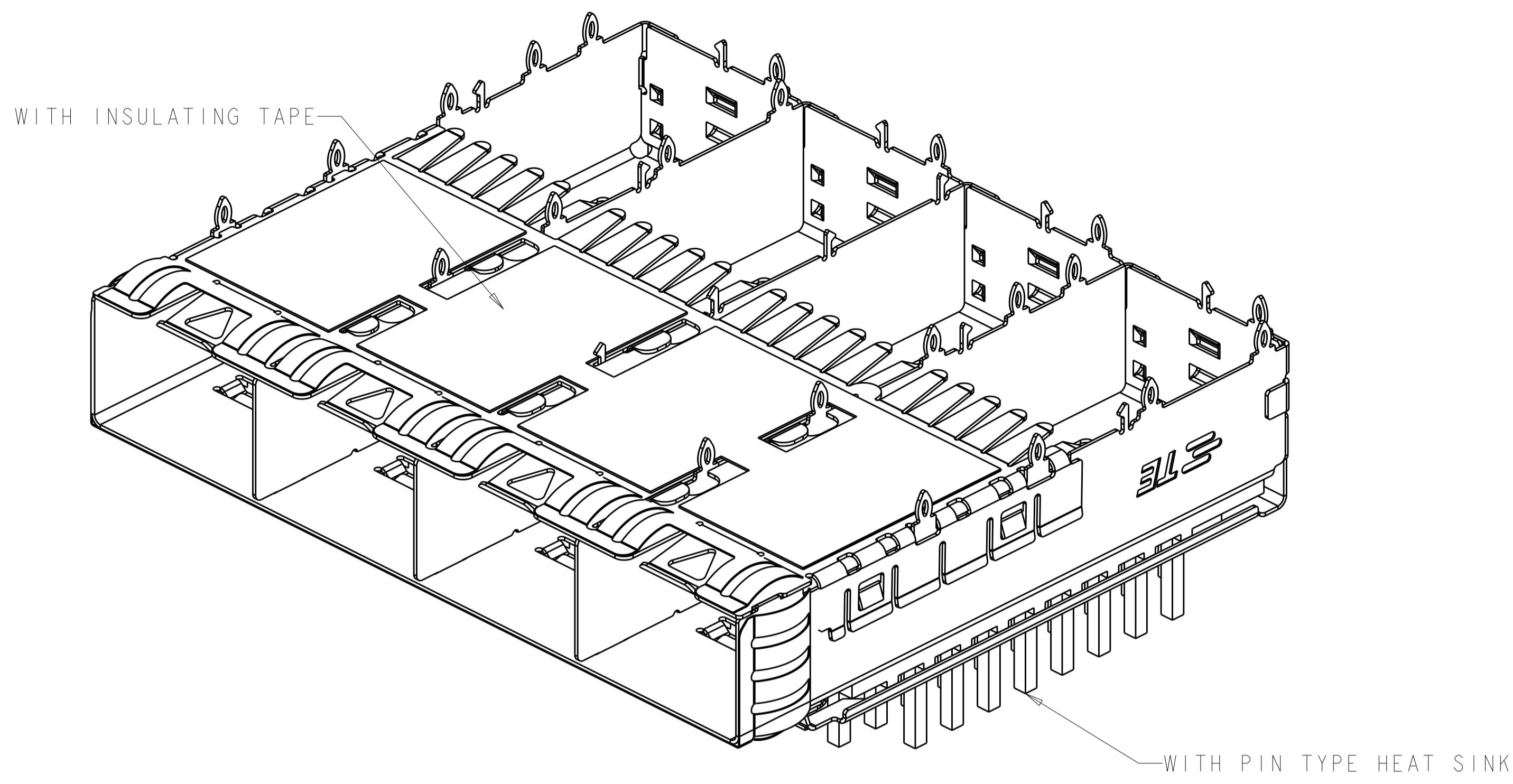
NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK

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

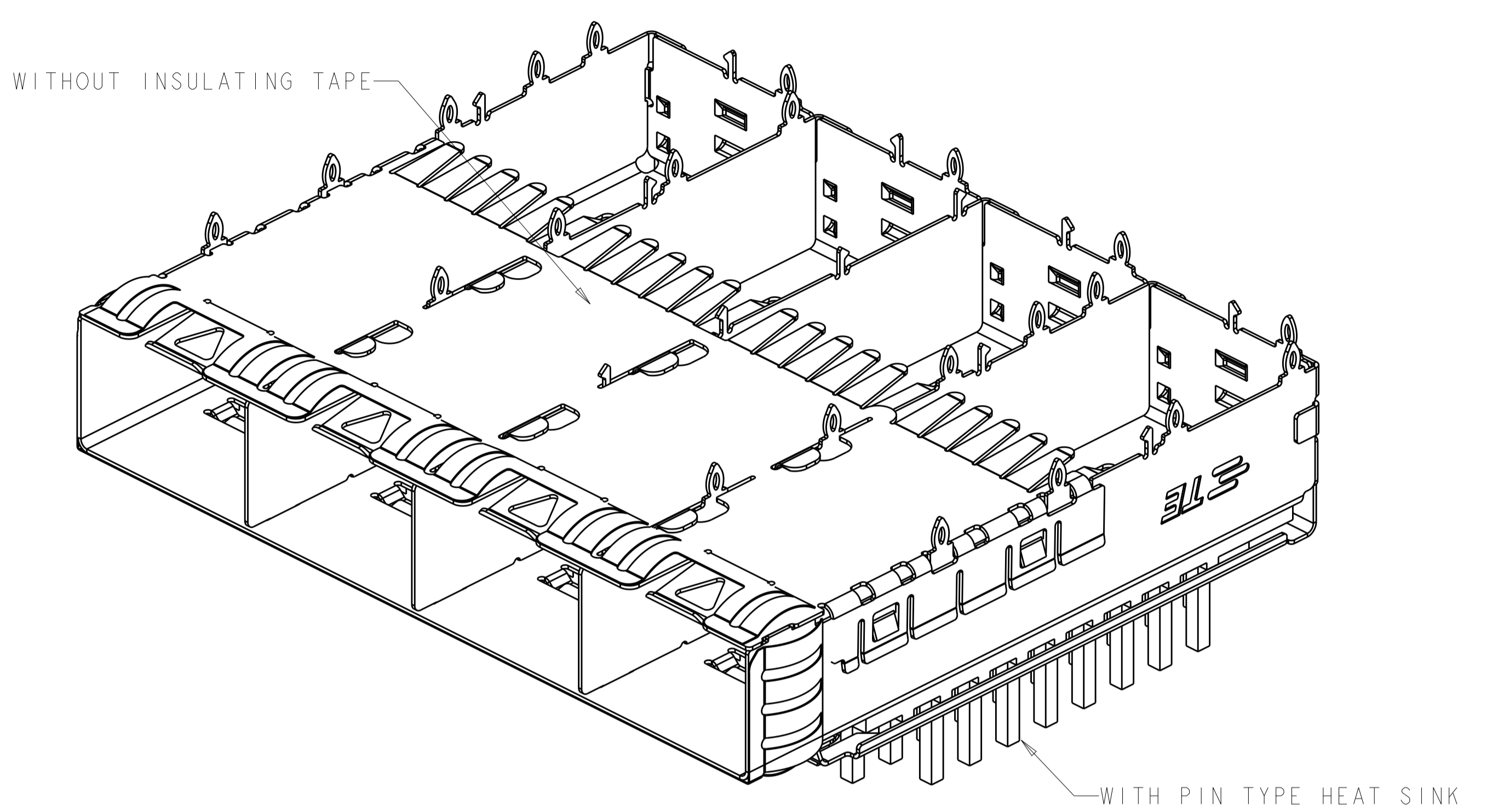
SIZE: A1
 CAGE CODE: 2149730
 DRAWING NO: 100779

Customer Drawing SCALE 5:1 SHEET 1 OF 7 REV A3

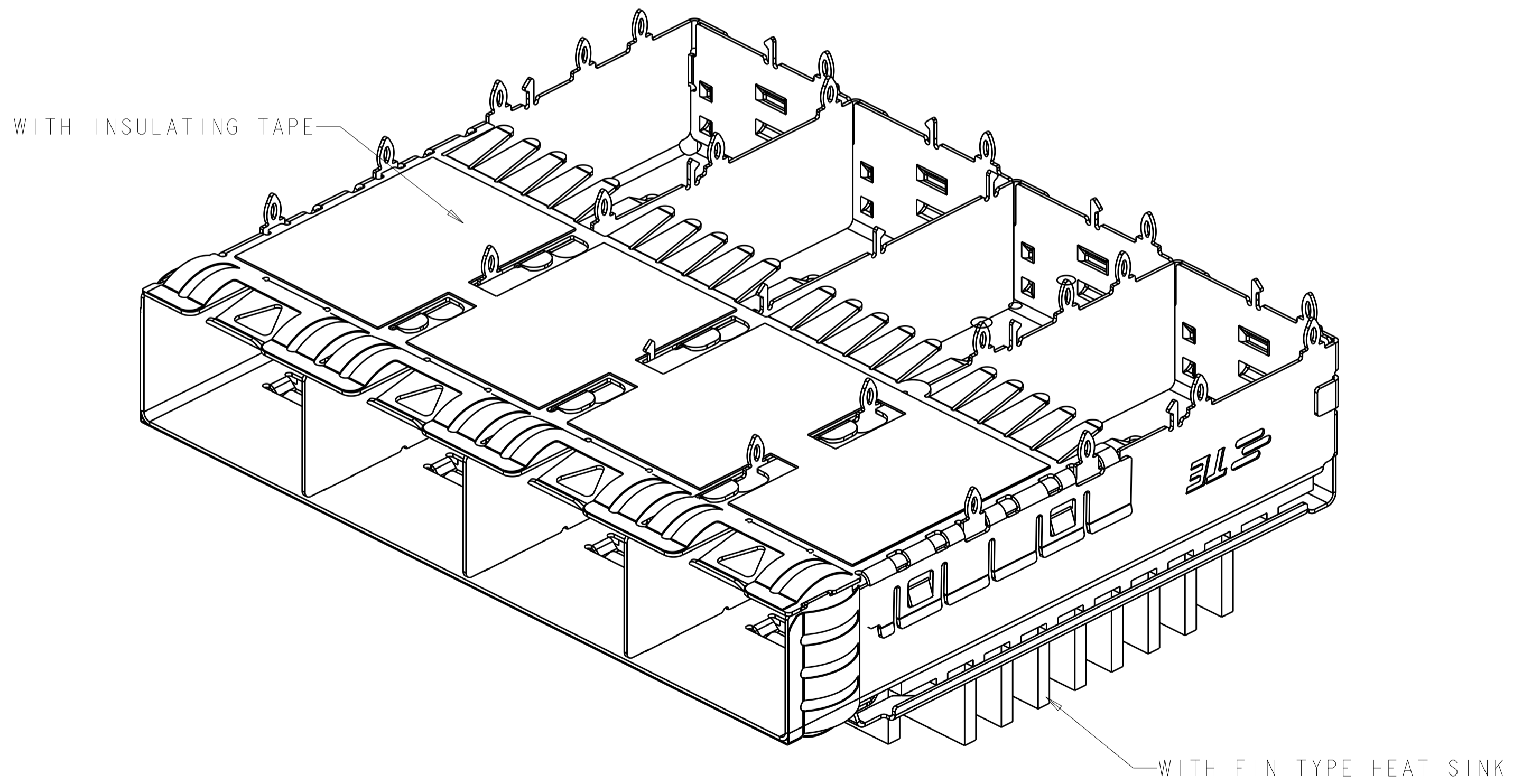
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GP	00	P	LYR	DESCRIPTION	DATE	OWN	APVD
		-		SEE SHEET 1			



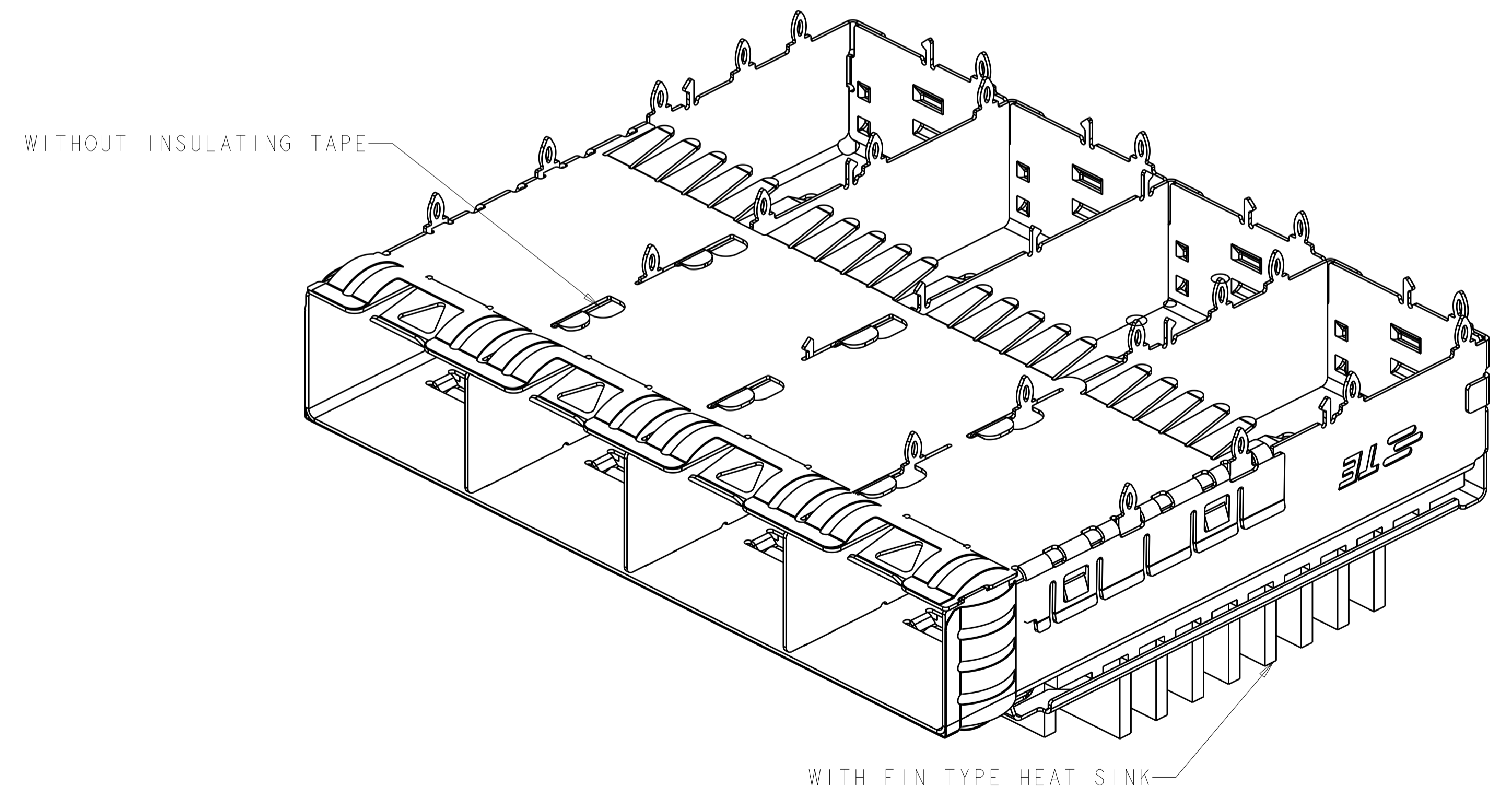
2149730-5 AS SHOWN WITH INSULATING TAPE, WITH PIN TYPE HEAT SINK



2149730-1,2,3,4 AS SHOWN WITHOUT INSULATING TAPE, WITH PIN TYPE HEAT SINK



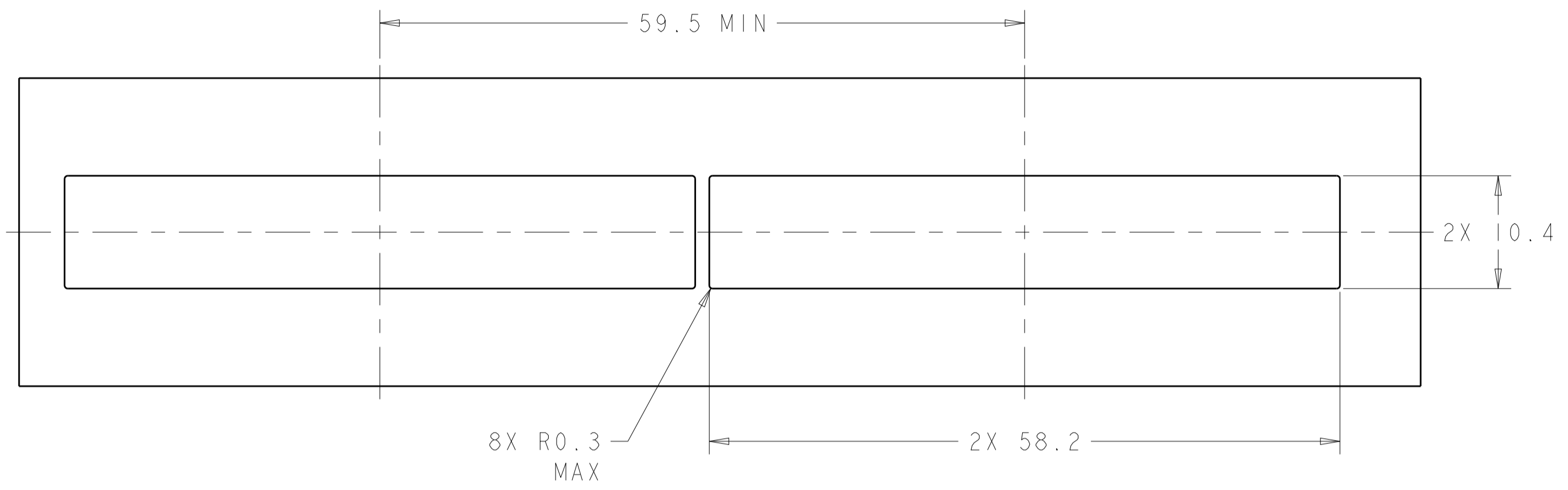
2149730-10 AS SHOWN WITH INSULATING TAPE, WITH FIN TYPE HEAT SINK



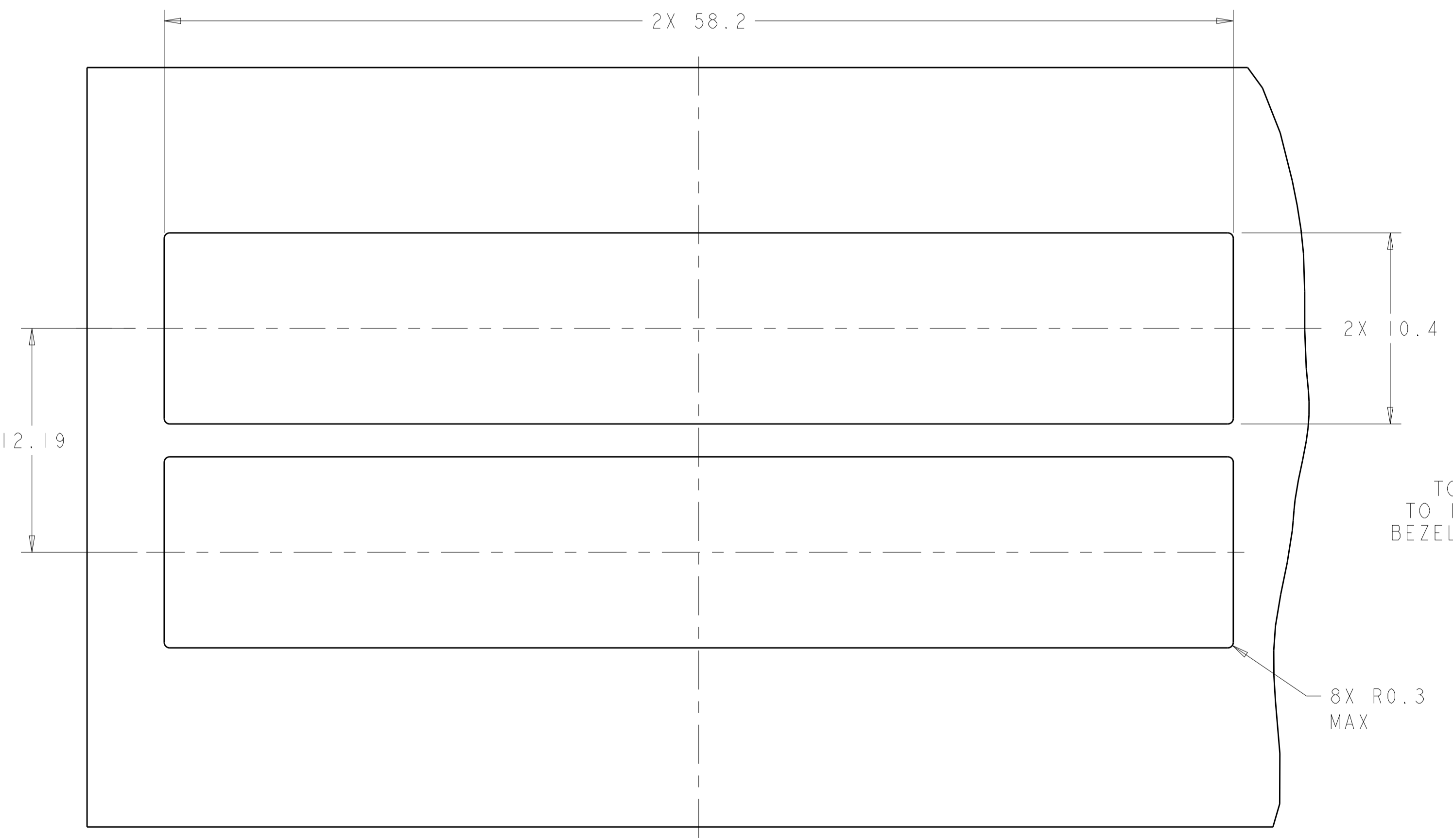
2149730-6,7,8,9 AS SHOWN WITHOUT INSULATING TAPE, WITH FIN TYPE HEAT SINK

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: M. SCHMITT 23AUG2010	STE TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 23AUG2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: B. WERTZ 23AUG2010	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK
0 PLC	±0.1	PRODUCT SPEC	SIZE: CAGE CODE DRAWING NO
1 PLC	±0.1	108-2364	RESTRICTED TO
2 PLC	±0.1	APPLICATION SPEC	A100779C=2149730
3 PLC	±0.1	114-13120	SCALE: 5:1 SHEET 2 OF 7 REV: A3
4 PLC	±0.1	WEIGHT	Customer Drawing
ANGLES	±1°		
MATERIAL	FINISH		

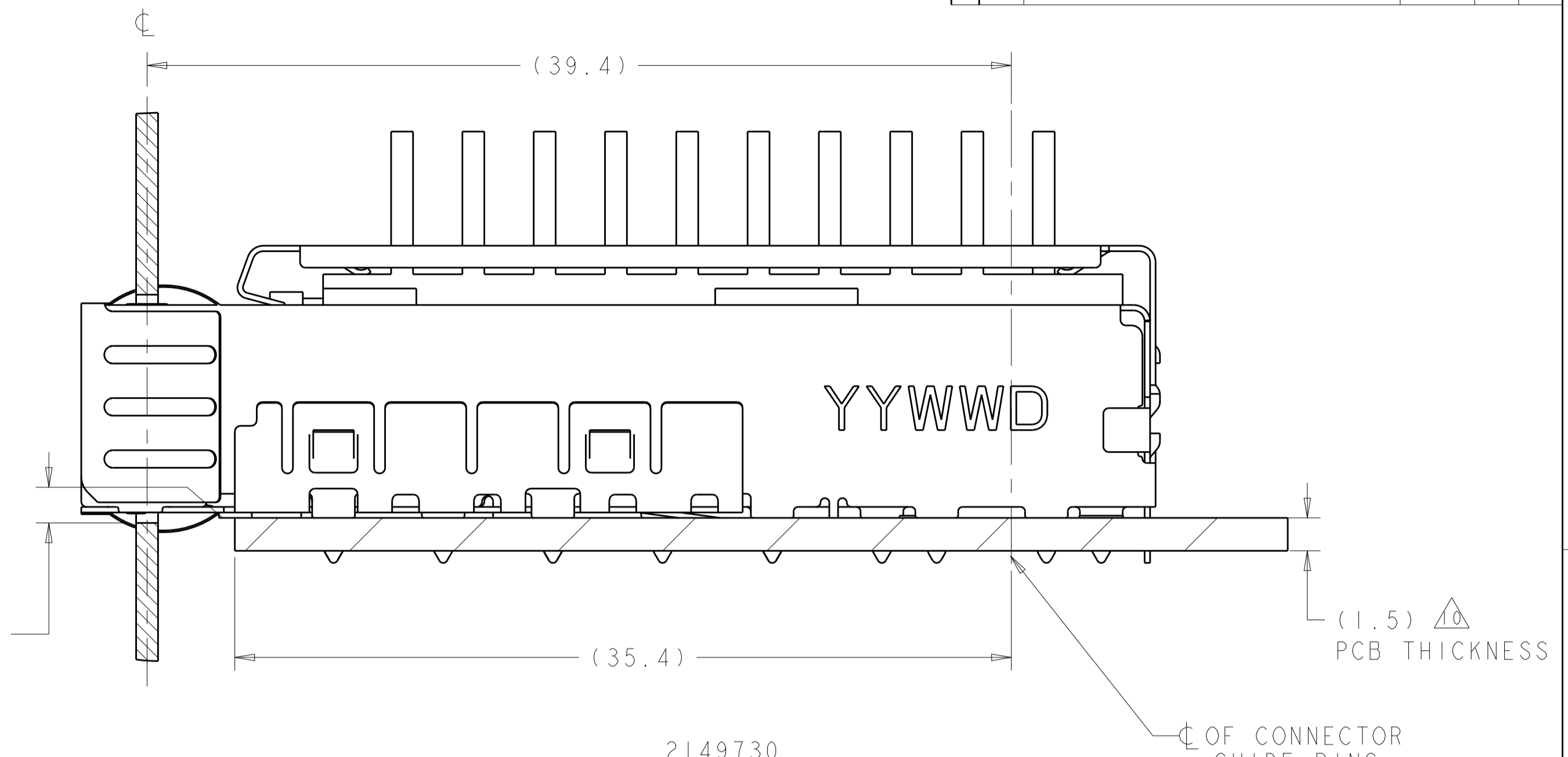
LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	-	-	SEE SHEET 1	-	-	-



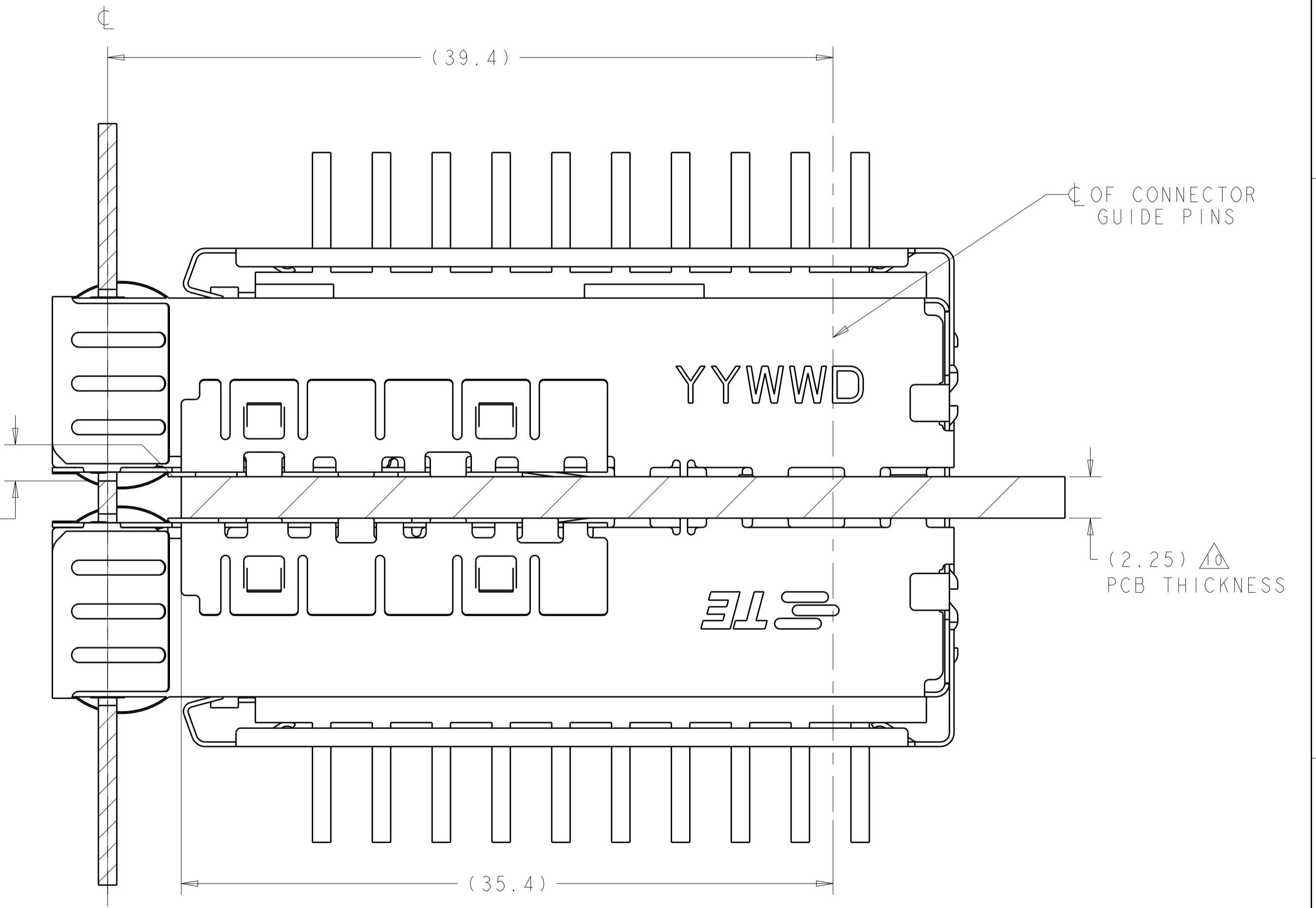
RECOMMENDED BEZEL CUT-OUT
 SINGLE SIDED APPLICATIONS
 SCALE 5:2



RECOMMENDED BEZEL CUT-OUT
 BELLY TO BELLY APPLICATIONS



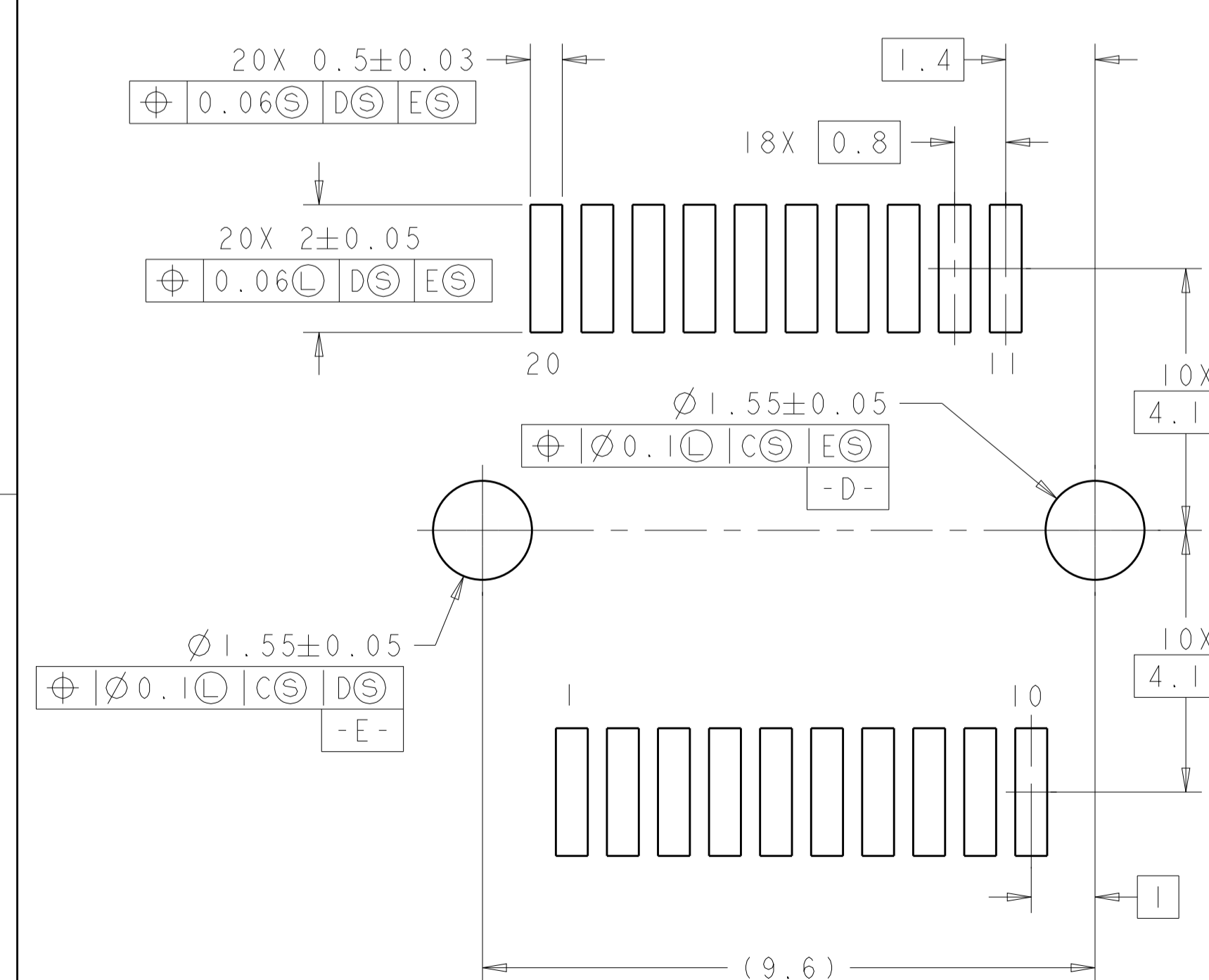
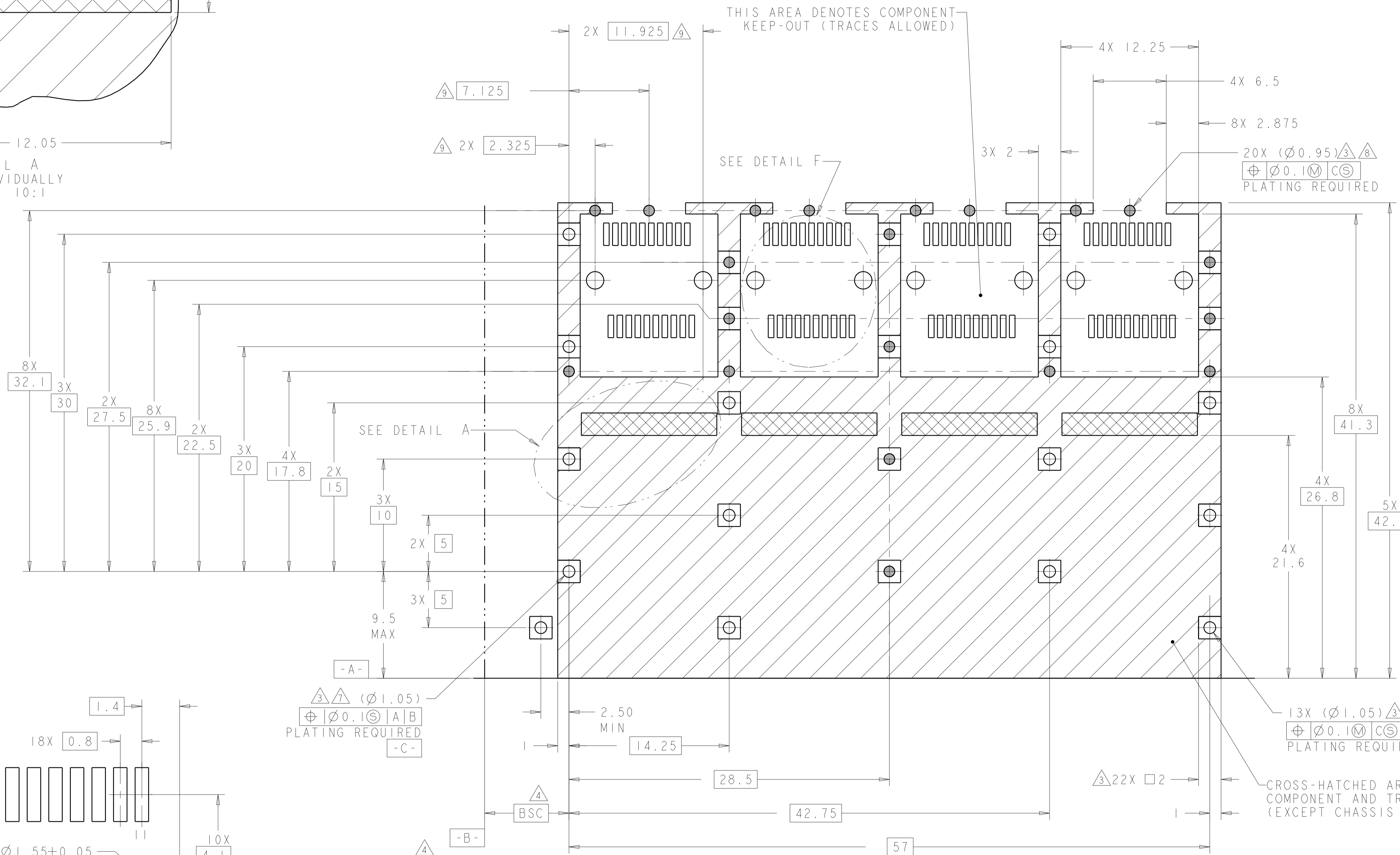
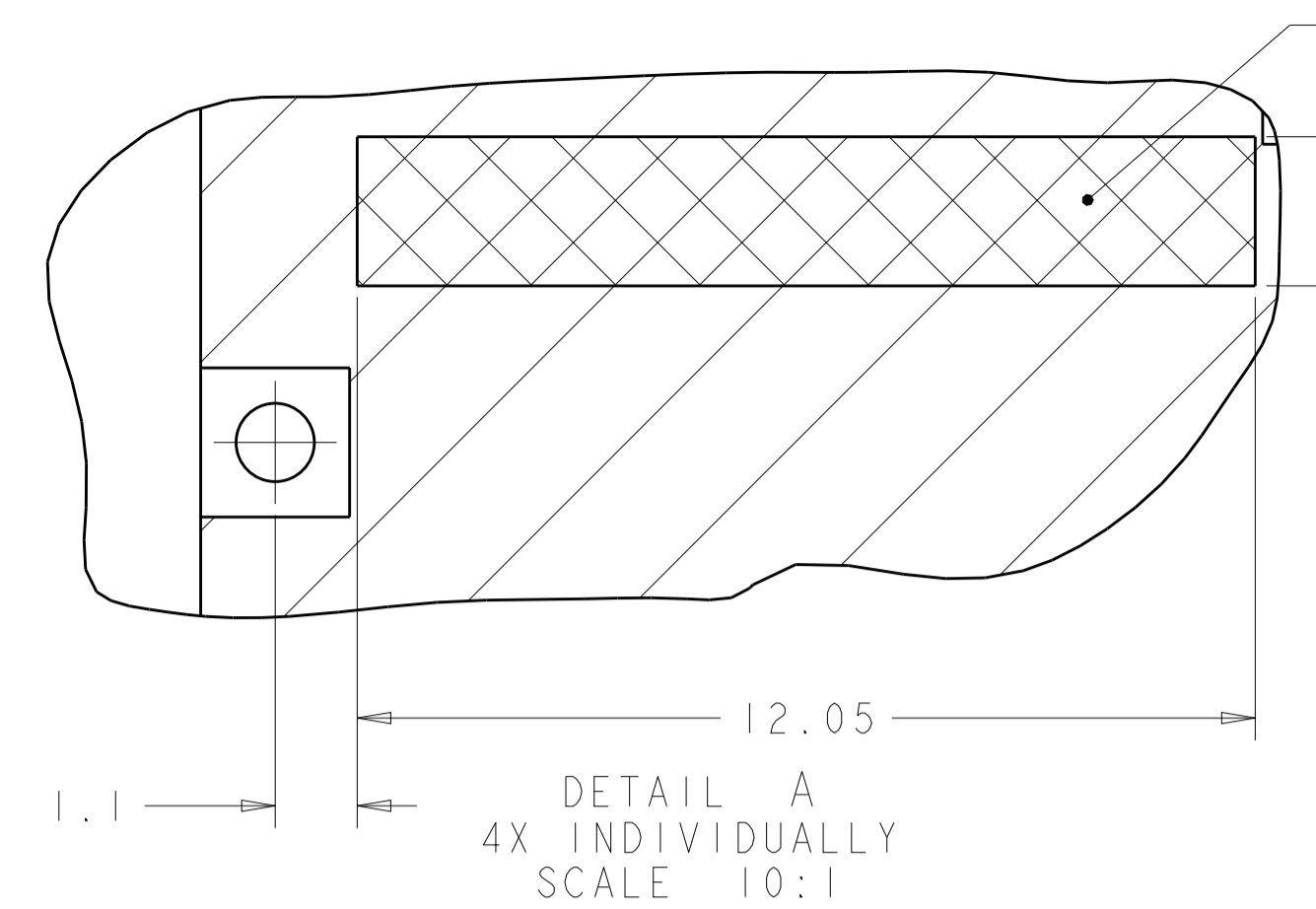
2149730
 MOUNTED ON PC BOARD
 SHOWN THRU RECOMMENDED BEZEL



2149730
 MOUNTED BELLY TO BELLY ON PC BOARD
 SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: M. SCHMITT 23AUG2010	TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 23AUG2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: B. WERTZ 23AUG2010	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY
0 PLC	±0.1	PRODUCT SPEC	PRESS FIT, EXTERNAL EMI SPRINGS
1 PLC	±0.1	108-2364	WITH HEATSINK
2 PLC	±0.1	APPLICATION SPEC	SIZE: CAGE CODE DRAWING NO
3 PLC	±0.1	114-13120	RESTRICTED TO
4 PLC	±0.1	WEIGHT	A100779C=2149730
ANGLES	±1°	Customer Drawing	SCALE: 5:1 SHEET 3 OF 7 REV: A3
MATERIAL	FINISH		

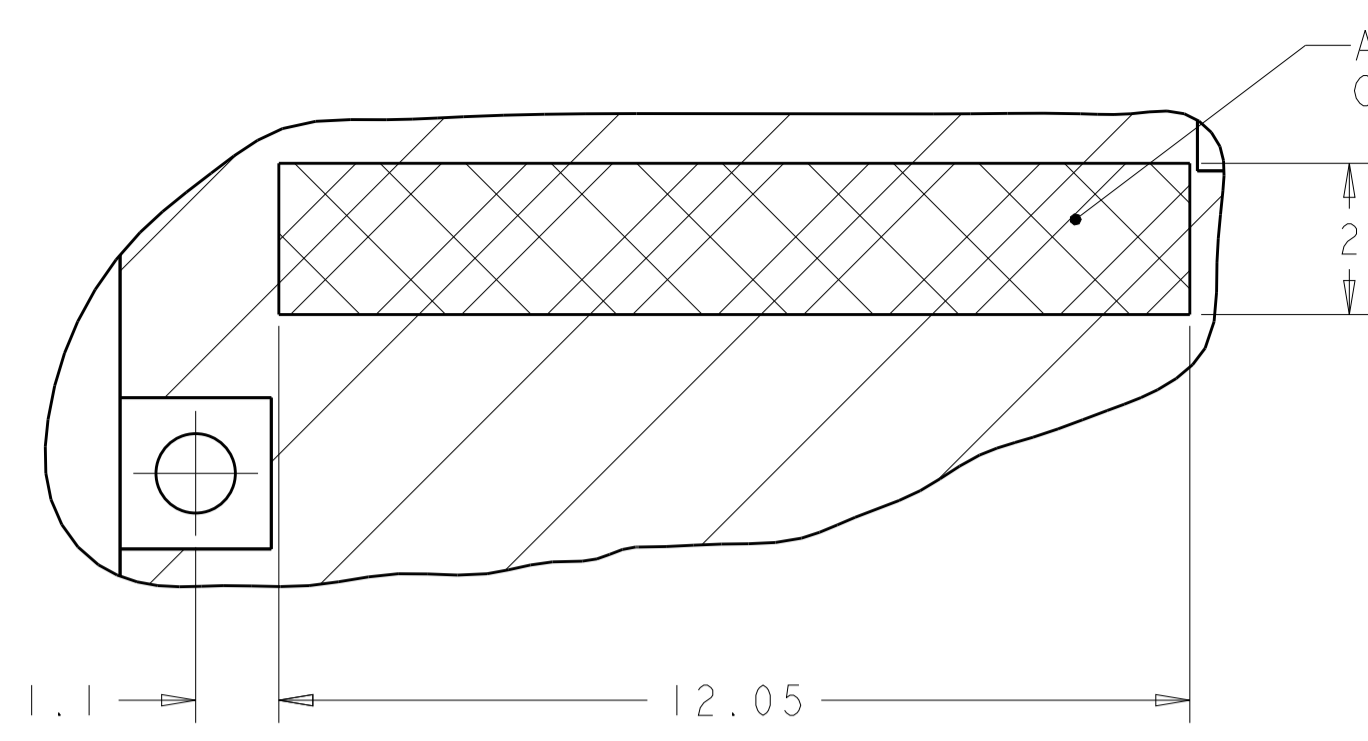
LOC	DIST	REVISIONS					
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
		-	-	SEE SHEET 1	-	-	-



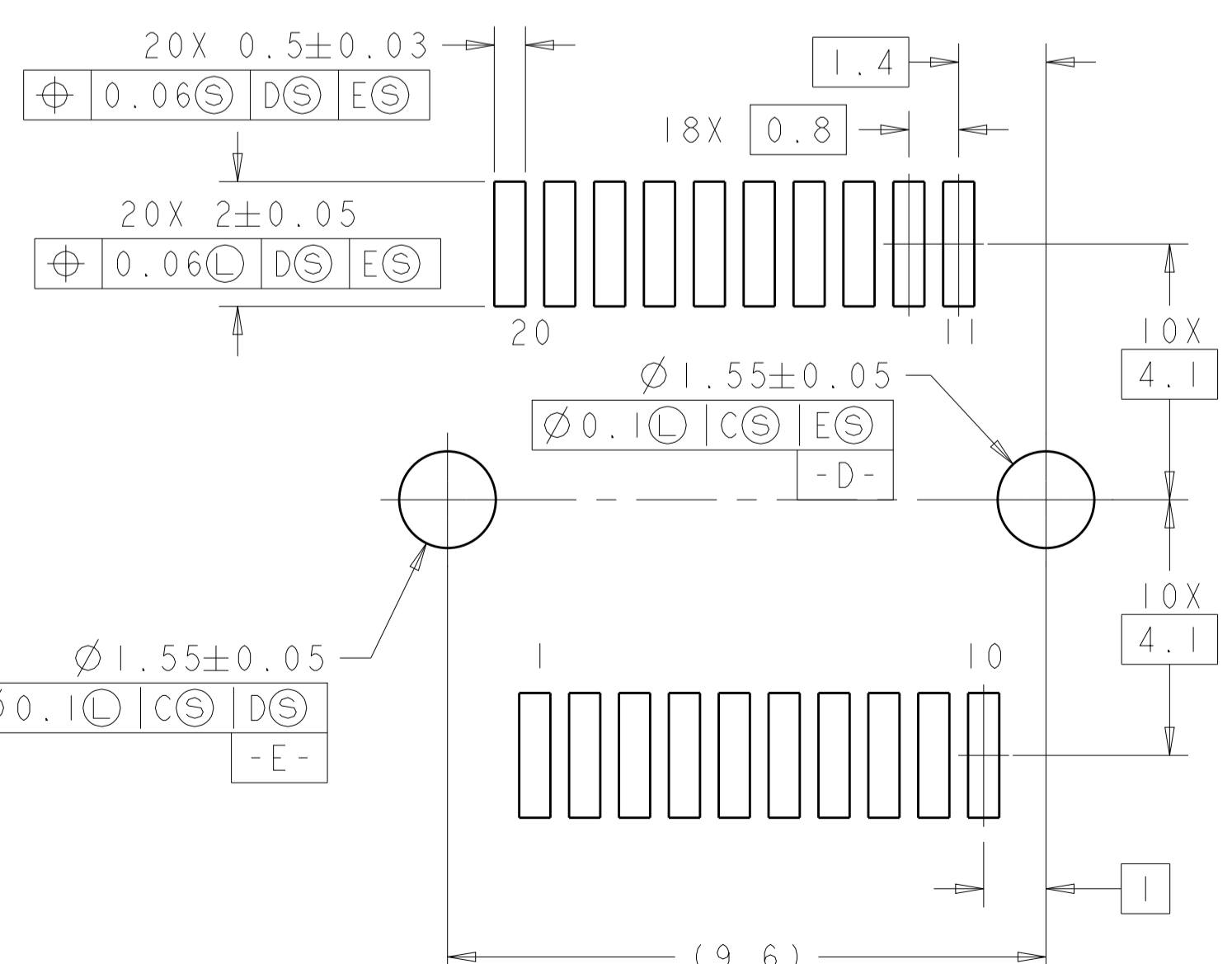
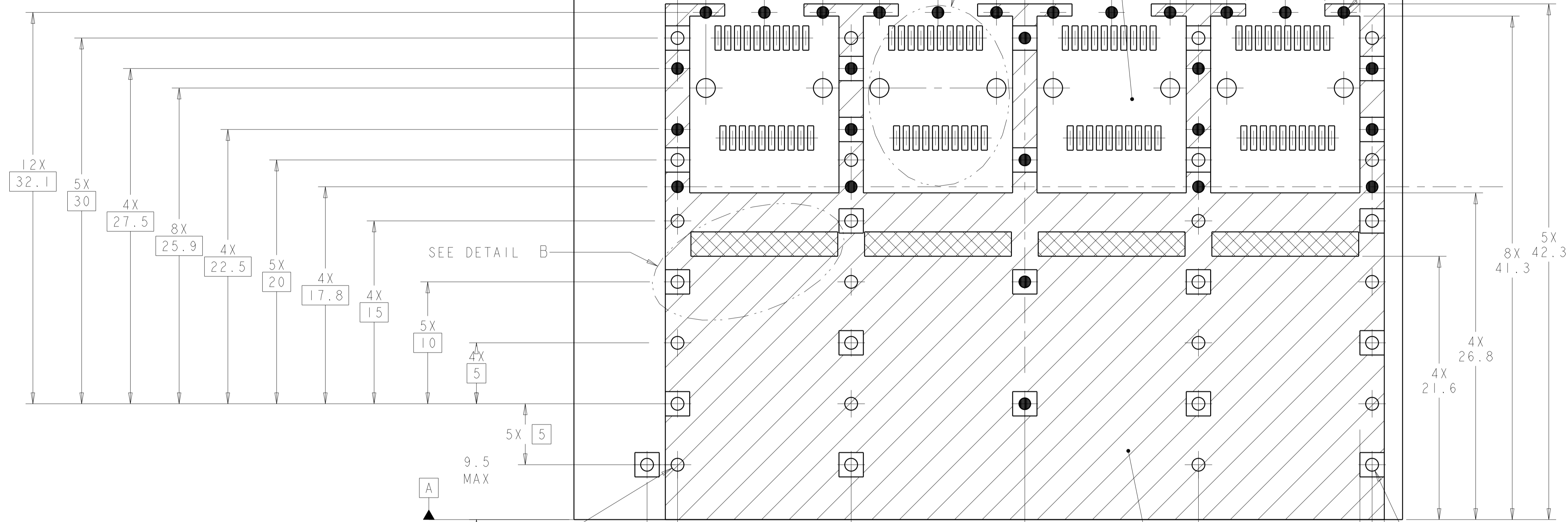
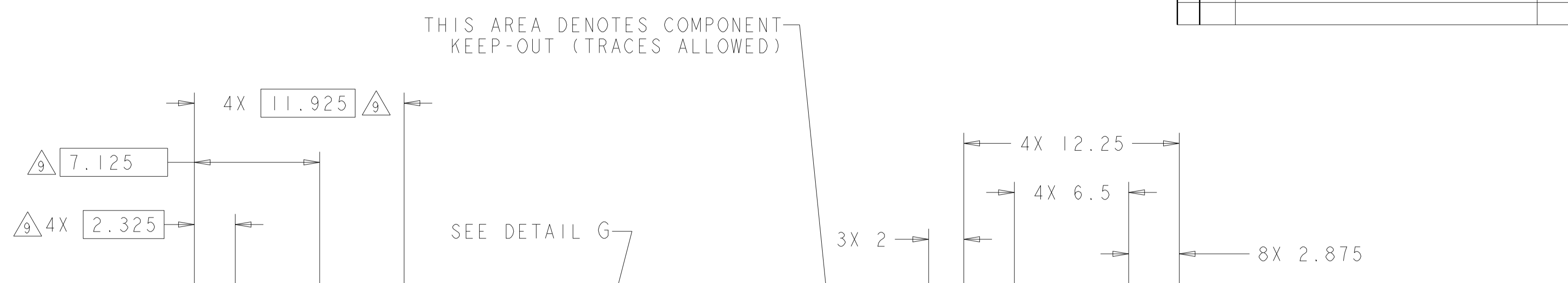
THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN M. SCHMITT 23AUG2010	STE TE Connectivity
DIMENSIONS: mm		CHK M. SCHMITT 23AUG2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD B. WERTZ 23AUG2010	NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK
0 PLC ±0.1		PRODUCT SPEC 108-2364	
1 PLC ±0.1		APPLICATION SPEC 114-13120	
2 PLC ±0.1		WEIGHT -	
3 PLC ±0.1		Customer Drawing	SIZE CAGE CODE DRAWING NO. A100779C=2149730
4 PLC ±0.1		RESTRICTED TO -	SCALE 5:1 SHEET 4 OF 7 REV A3
ANGLES ±1°			

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1		



DETAIL B
4X INDIVIDUALLY
SCALE 10:1



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

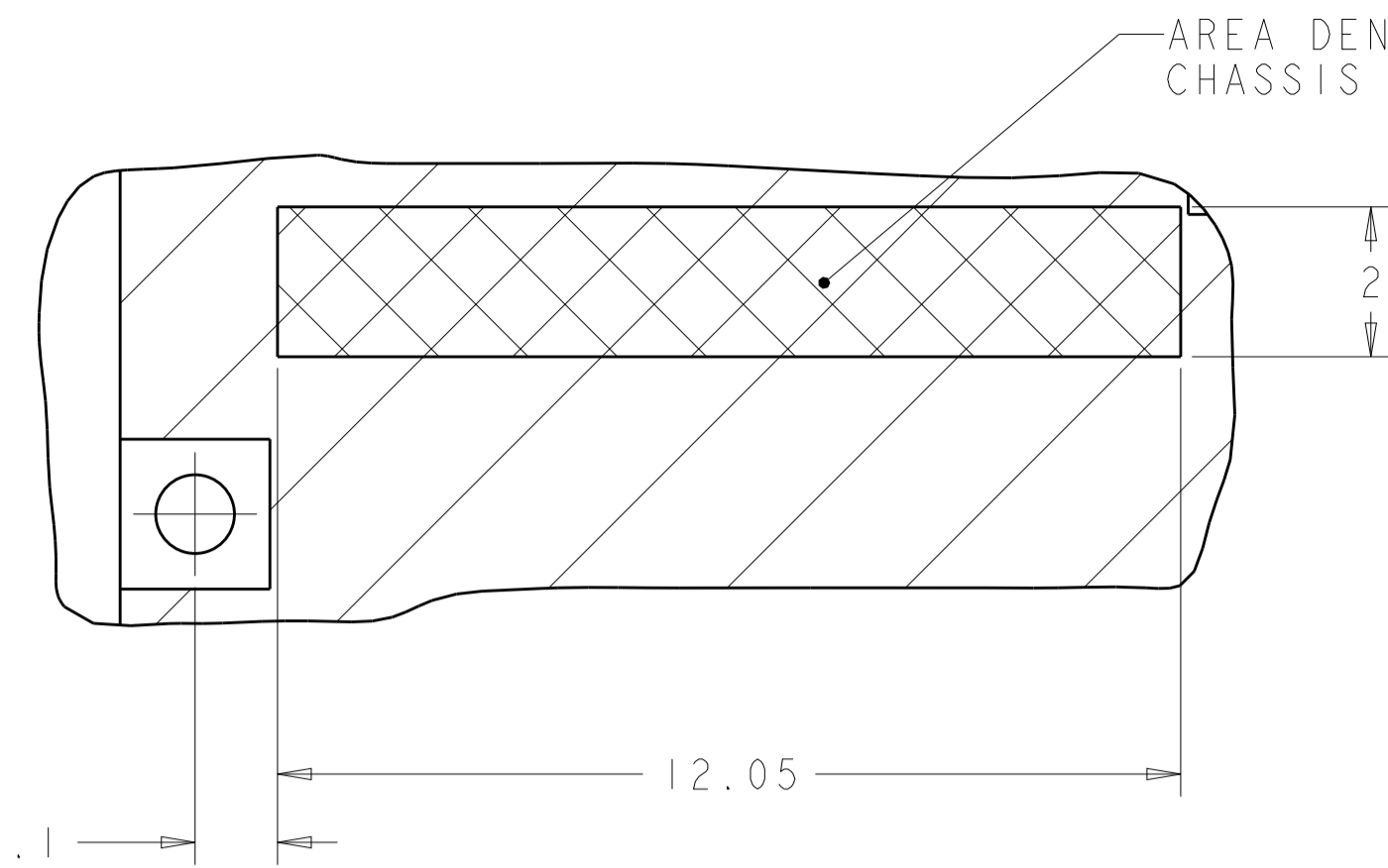
RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS
SCALE 5:1

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

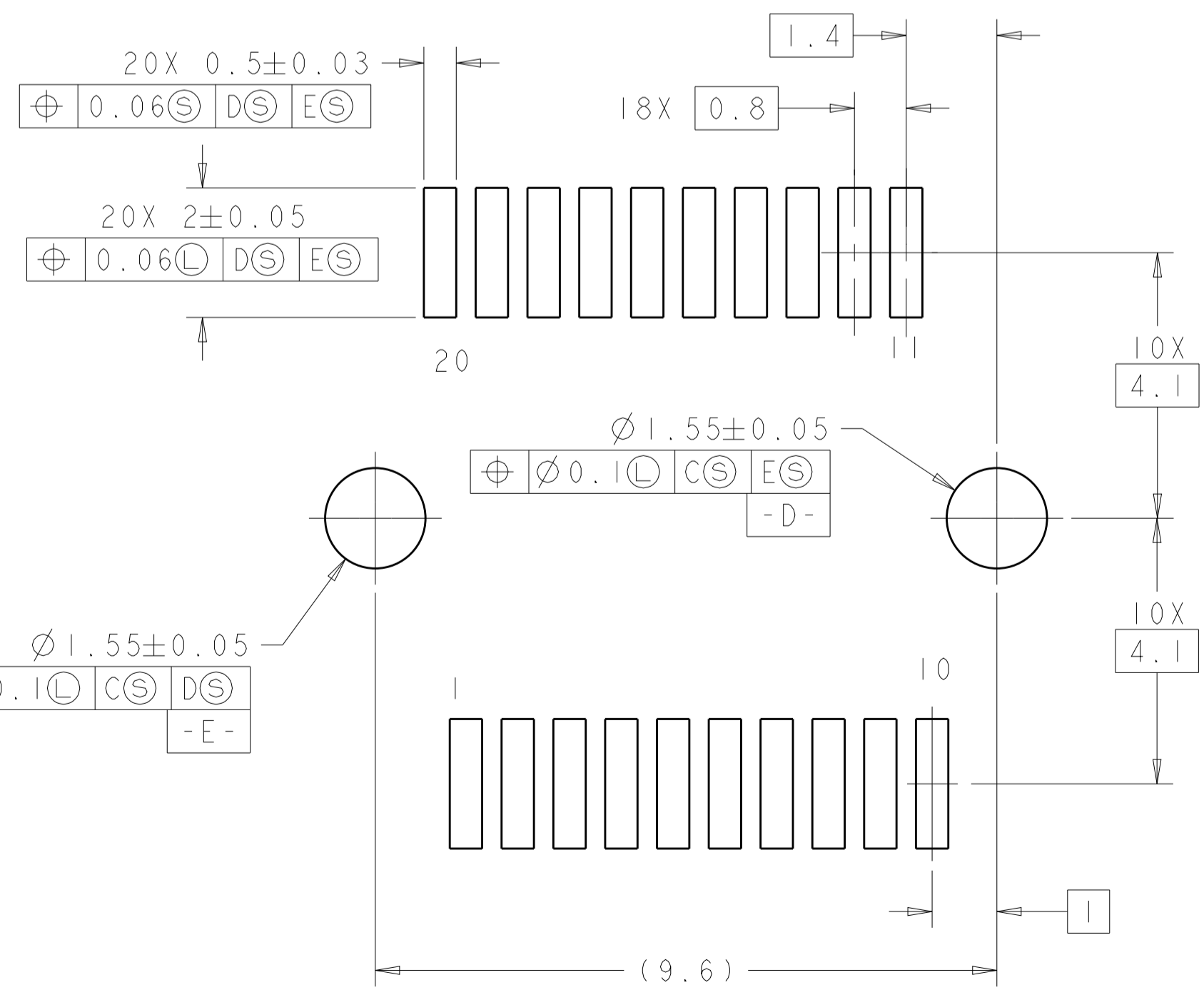
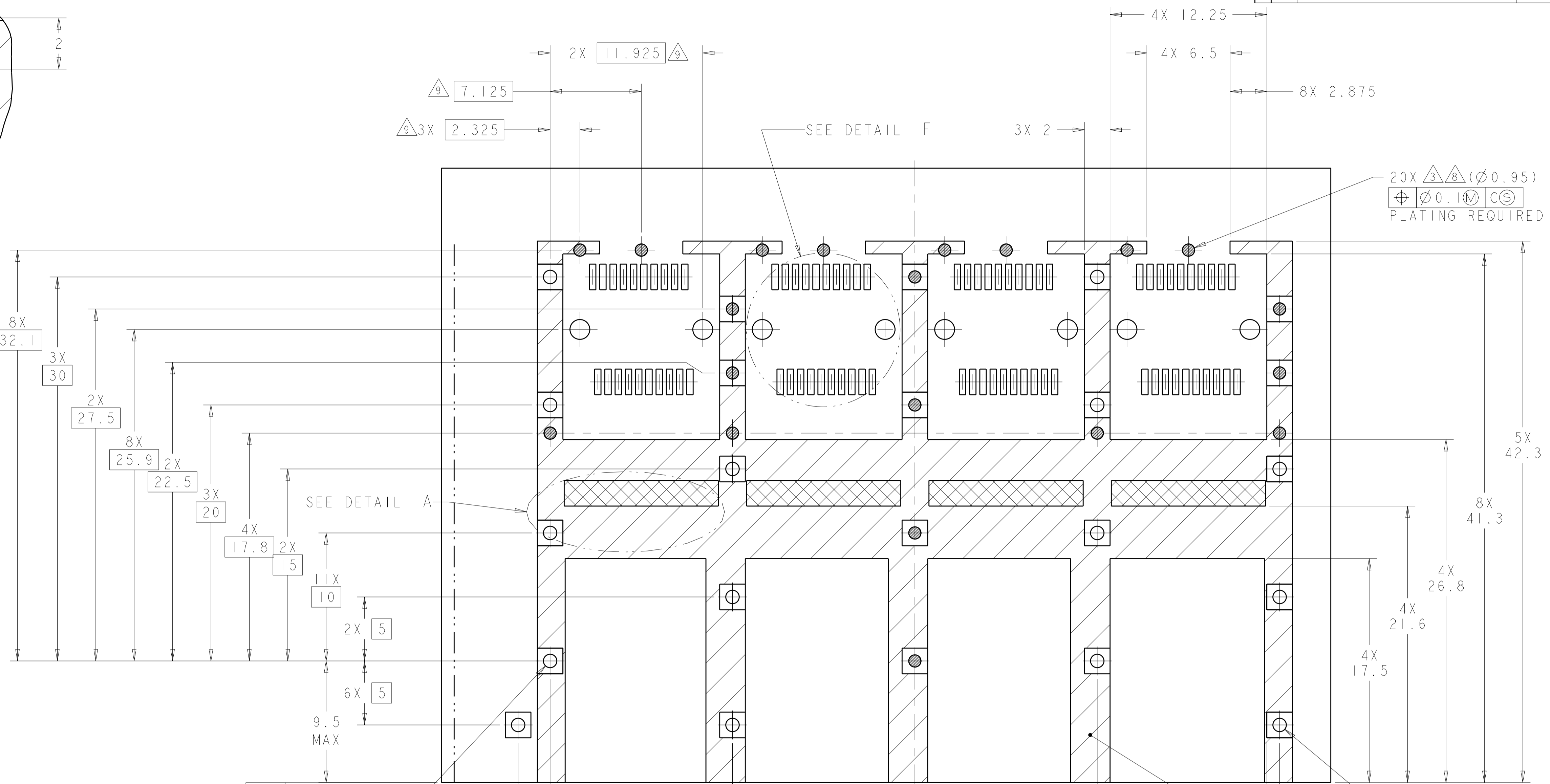
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: M. SCHMITT 23AUG2010	TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 23AUG2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: B. WERTZ 23AUG2010	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK SIZE: CAGE CODE DRAWING NO: A100779C=2149730 RESTRICTED TO:
0 PLC ±0.1		PRODUCT SPEC: 108-2364	
1 PLC ±0.1		APPLICATION SPEC: 114-13120	
2 PLC ±0.1		WEIGHT: -	
3 PLC ±0.1		Customer Drawing	SCALE: 5:1 SHEET 5 OF 7 REV: A3
4 PLC ±0.1			
ANGLES ±1°			
FINISH: Δ			

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1		



DETAIL A
4X INDIVIDUALLY
SCALE 10:1



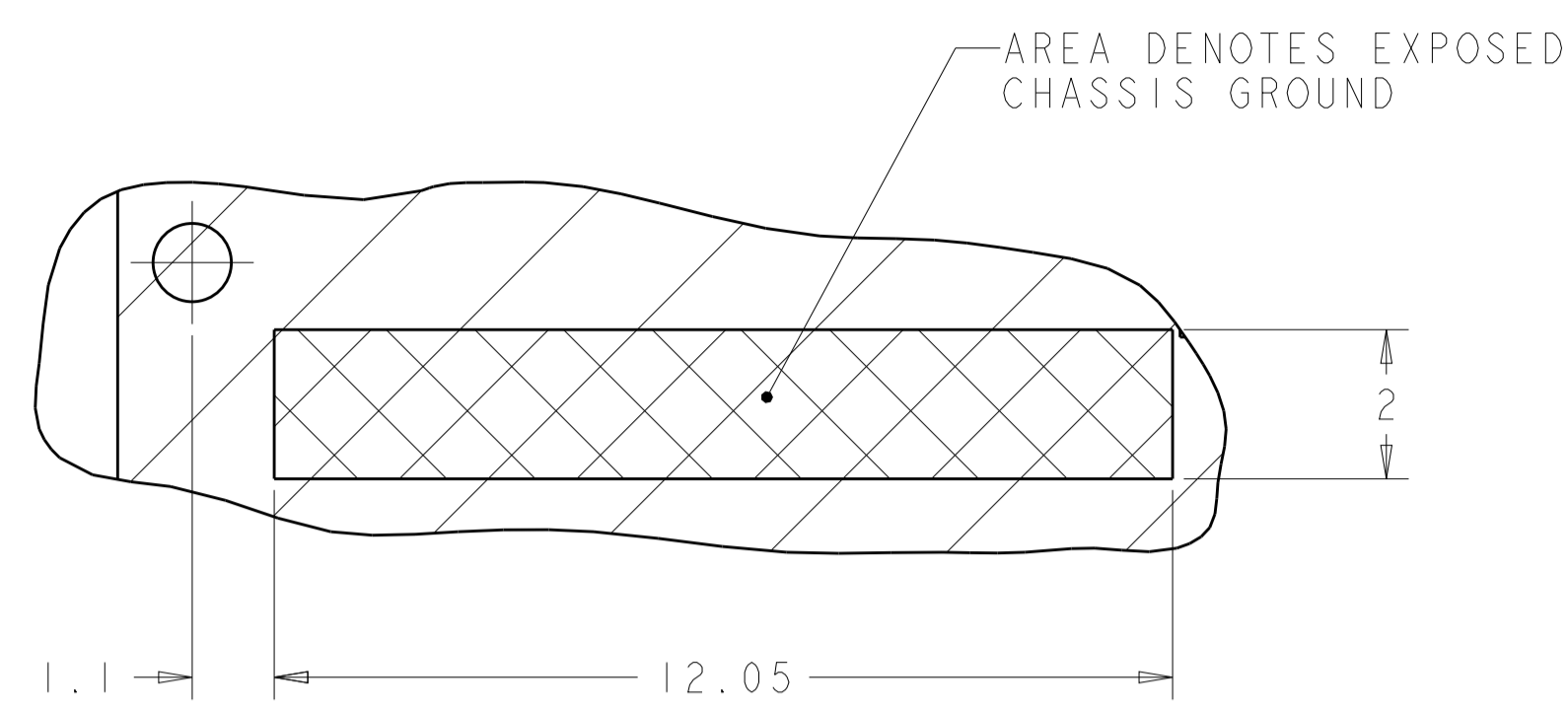
DETAIL F
RECOMMENDED PT CONNECTOR LAYOUT
SCALE 12:1

RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
SINGLE SIDED APPLICATIONS
WITH INSULATING TAPE

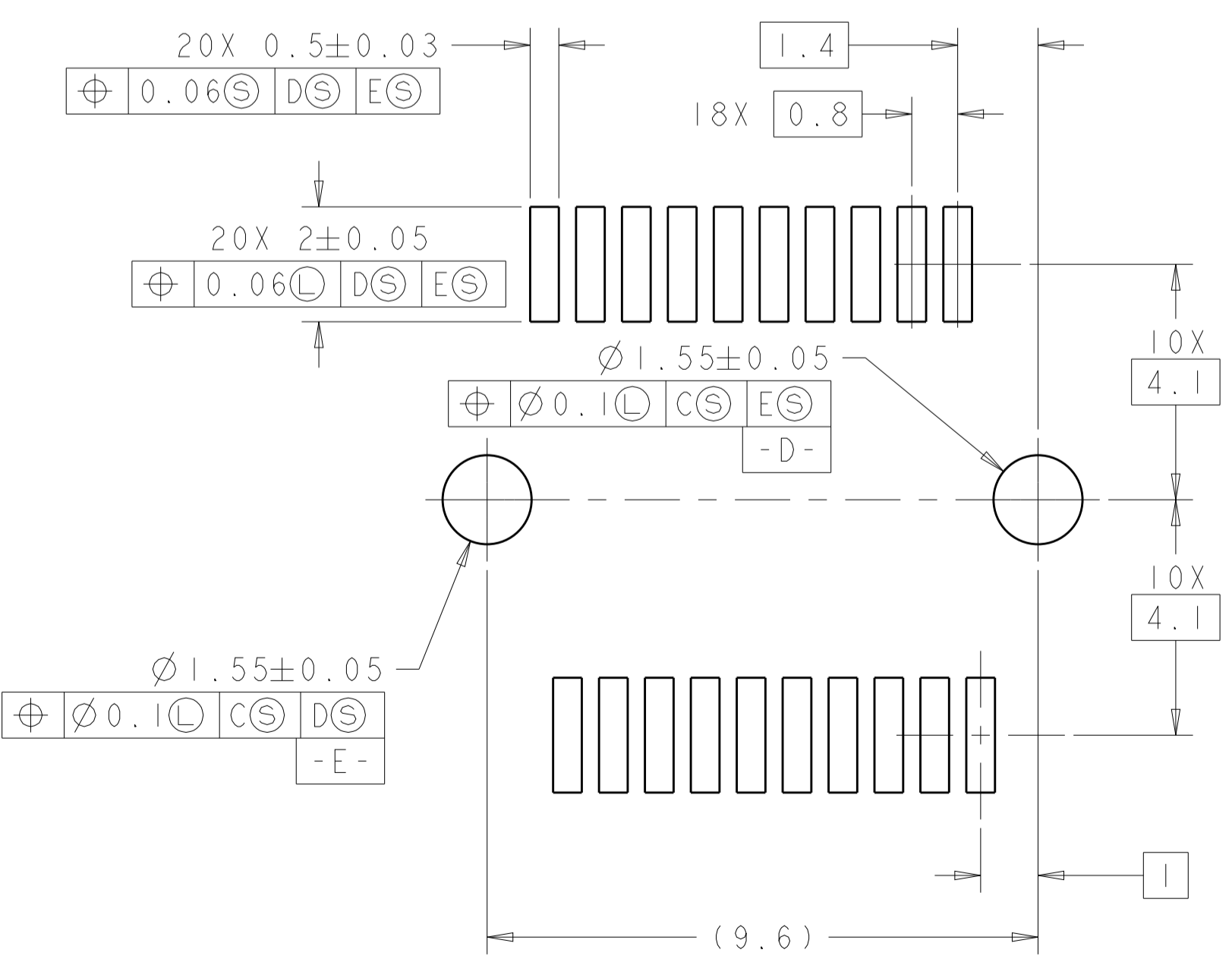
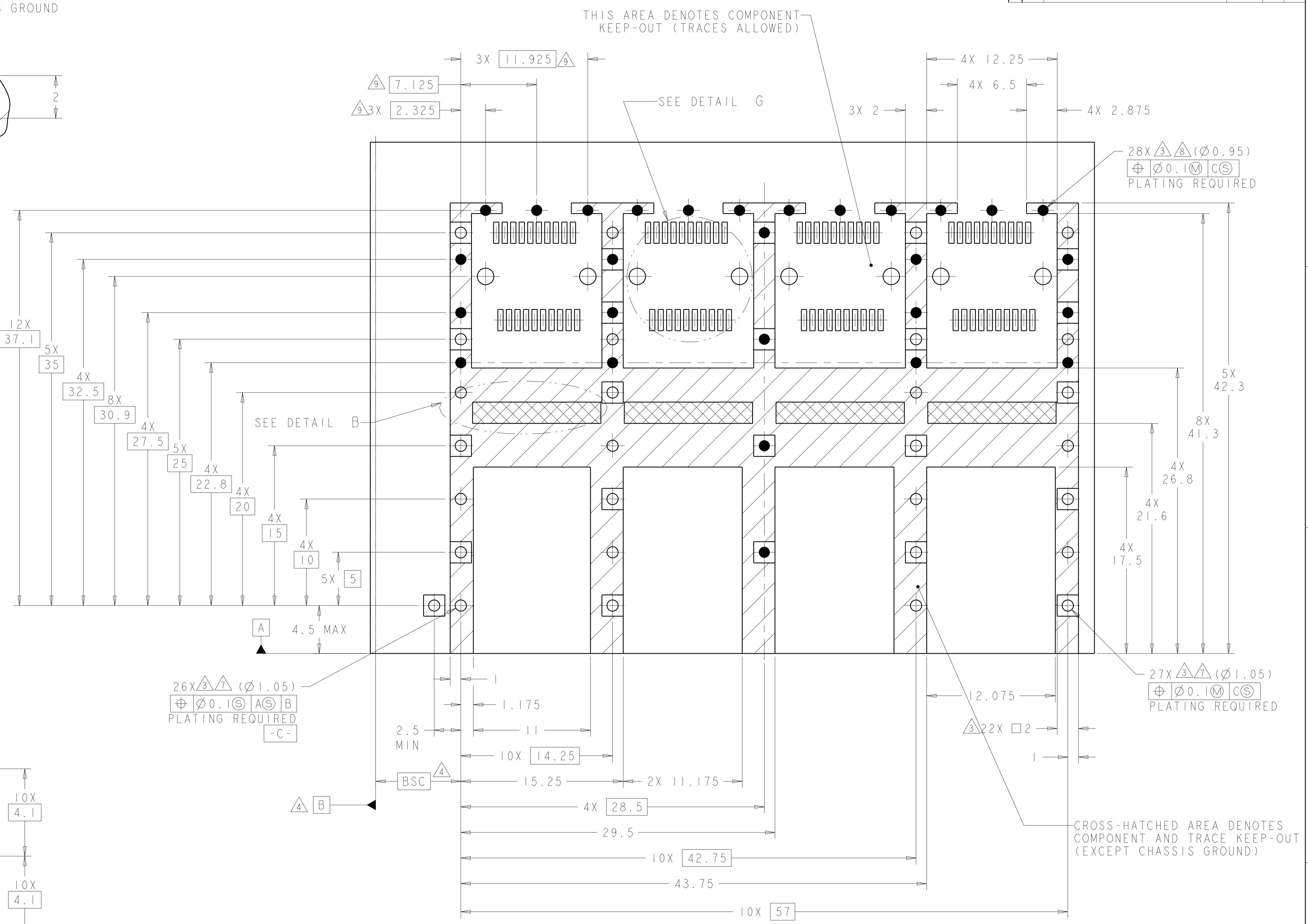
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: M. SCHMITT 23AUG2010	TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 23AUG2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APV: B. WERTZ 23AUG2010	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK
0 PLC	±0.1	PRODUCT SPEC	108-2364
1 PLC	±0.1	APPLICATION SPEC	114-13120
2 PLC	±0.1	WEIGHT	A100779C=2149730
3 PLC	±0.1	Customer Drawing	SCALE 5:1 SHEET 6 OF 7 REV A3
4 PLC	±0.1		
ANGLES	±1°		

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1		



DETAIL B
4X INDIVIDUALLY
SCALE 10:1



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

RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS
WITH INSULATING TAPE

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: M. SCHMITT 23AUG2010	STE TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 23AUG2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: B. WERTZ 23AUG2010	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK
0 PLC ±0.1		PRODUCT SPEC: 108-2364	
1 PLC ±0.1		APPLICATION SPEC: 114-13120	SIZE: CAGE CODE DRAWING NO. RESTRICTED TO
2 PLC ±0.1		WEIGHT: -	A100779C=2149730
3 PLC ±0.1		Customer Drawing	SCALE: 5:1 SHEET: 7 OF 7 REV: A3
4 PLC ±0.1			
ANGLES ±1°			
FINISH			