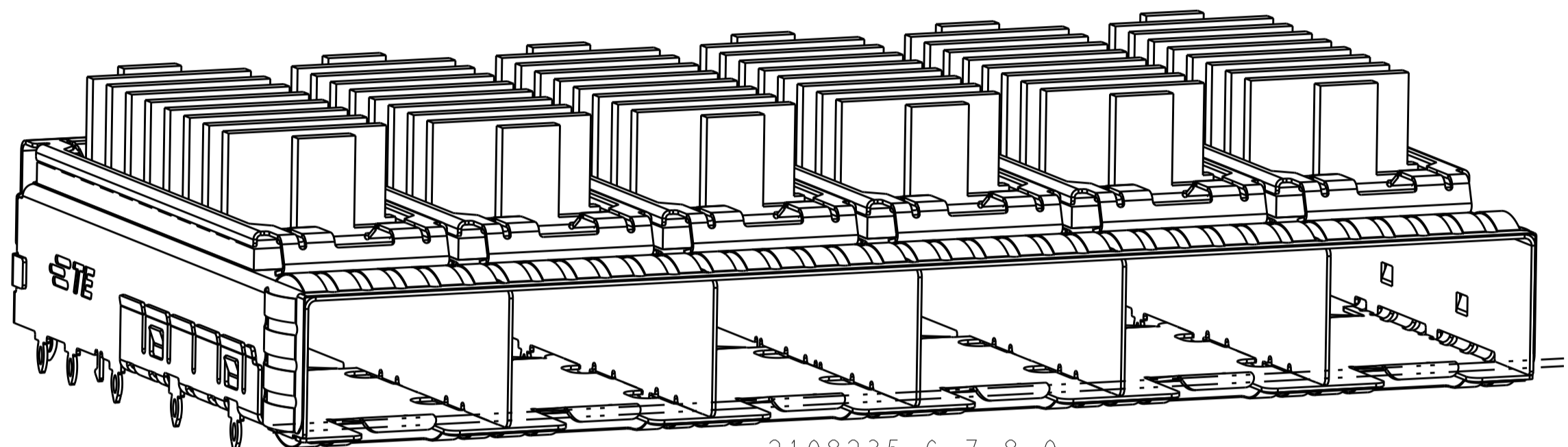
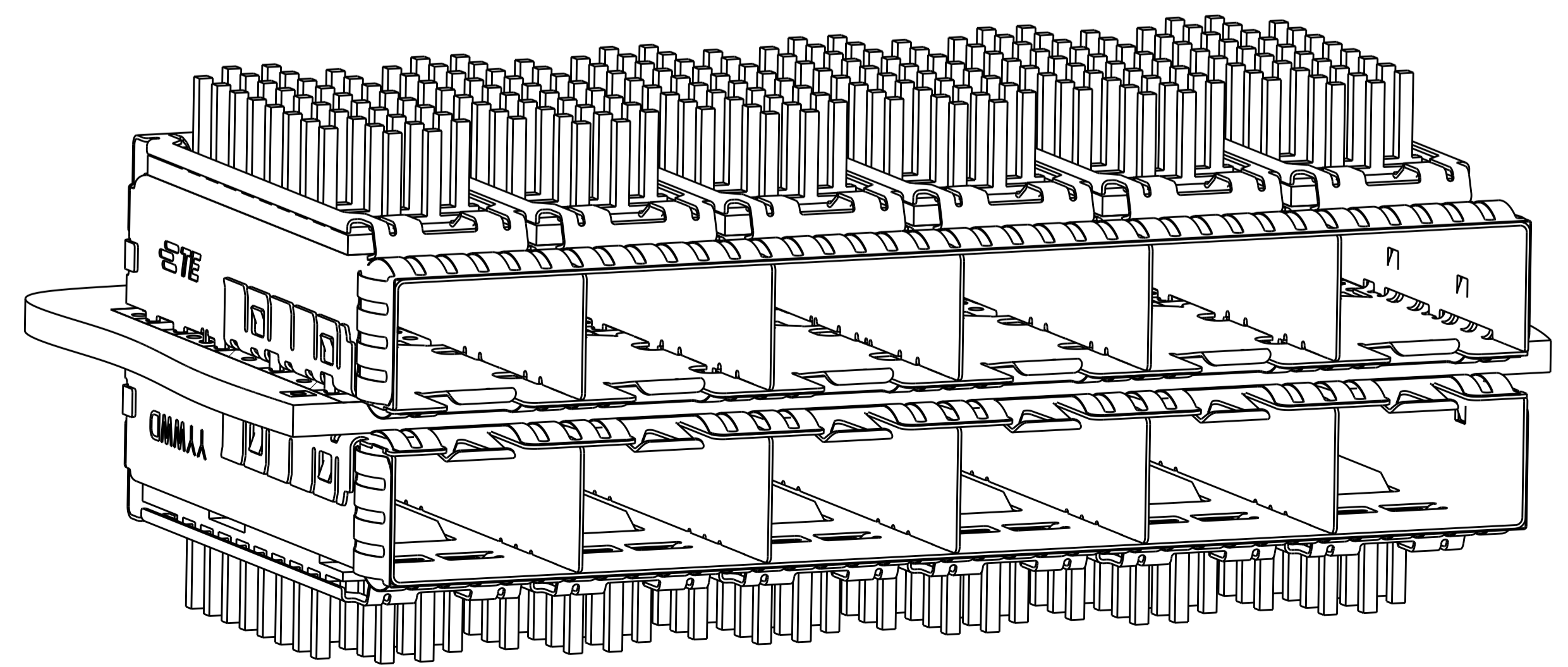
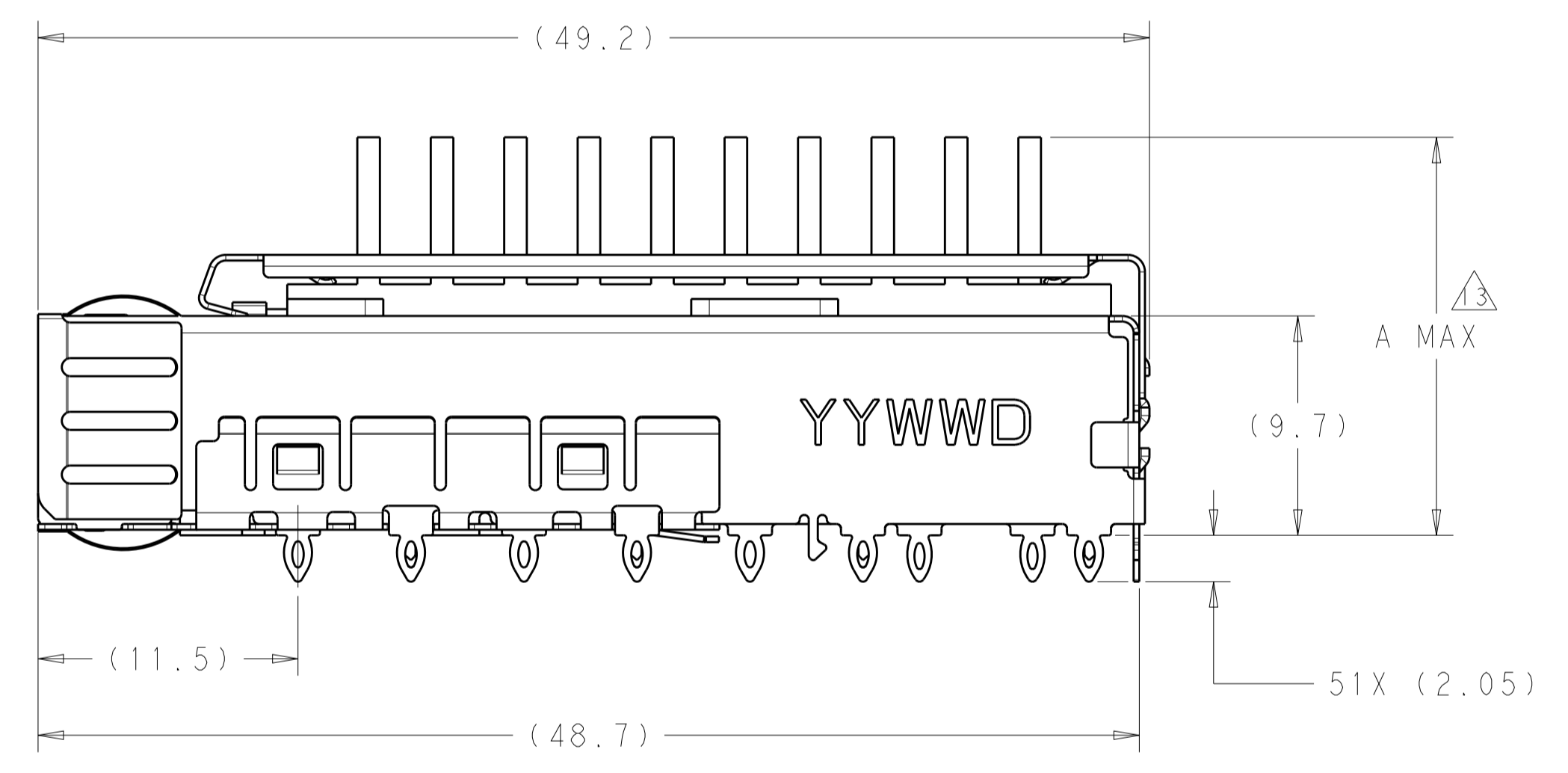
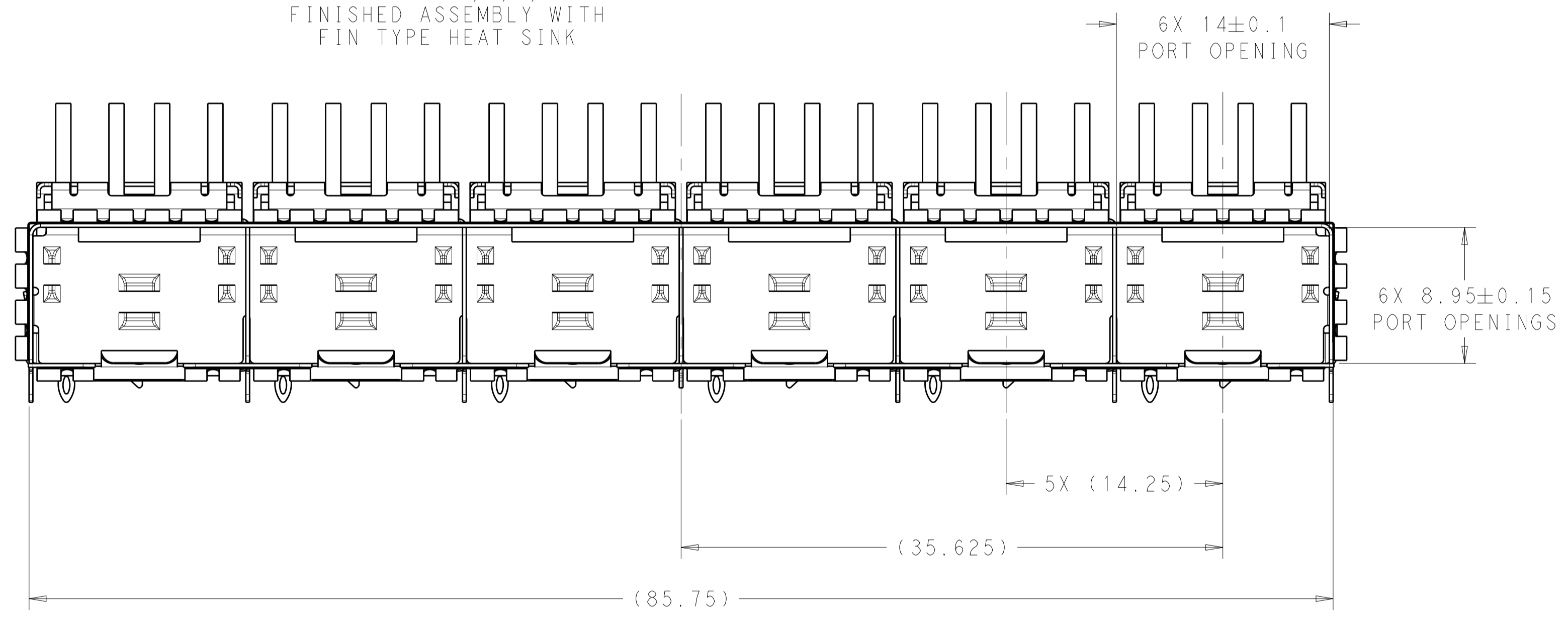


2198235-1,2,3,4,5
 FINISHED ASSEMBLY WITH
 PIN TYPE HEAT SINK



2198235-6,7,8,9
 FINISHED ASSEMBLY WITH
 FIN TYPE HEAT SINK



2198235
 MOUNTED BELLY TO BELLY ON PCB
 SCALE 3:1

- △ MATERIAL:
 CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY.
 HEATSINK CLIP: STAINLESS STEEL
 HEATSINK: ALUMINUM
- △ FINISH:
 EMI SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE.
 NON-PLATED EDGES PERMISSIBLE.
 HEATSINK CLIP: PASSIVATE
 HEATSINK: ELECTROLESS NICKEL
- 3. MATES WITH SFP MSA COMPLIANT TRANSCEIVERS.
- △ PADS AND VIAS CHASSIS GROUND.
- 5. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OF ASME Y14.5M-1994.
- △ MINIMUM PC BOARD THICKNESS:
 SINGLE SIDED = 1.50mm
 DOUBLE SIDED = 2.25mm
- △ HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
- △ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- △ REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- △ REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 11. CERTAIN MATING TRANCEIVERS 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.
- △ DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE

LOC	DIST	REVISIONS				
GP	00	REV	DESCRIPTION	DATE	OWN	APVD
		A	RELEASED PER ECO-12-013192	06NOV2012	BMM	MRS
		B	RELEASED PER ECO-13-000564	30JAN2013	BMM	MRS
		B1	RELEASED PER ECO-13-014600	20SEP2013	PP	SH
		B2	RELEASED PER ECO-15-006578	20APR2015	PP	SH

FIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2198235-9
FIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2198235-8
FIN TYPE	W/O INSULATING TAPE	15.5	SAN	2198235-7
FIN TYPE	W/O INSULATING TAPE	13.2	PCI	2198235-6
PIN TYPE	W/ INSULATING TAPE	22.5	NETWORKING, TALL	2198235-5
PIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2198235-4
PIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2198235-3
PIN TYPE	W/O INSULATING TAPE	15.5	SAN	2198235-2
PIN TYPE	W/O INSULATING TAPE	13.2	PCI	2198235-1
HEAT SINK	DESCRIPTION	A MAX	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: B. MATTHEWS 15NOV2011
 CHK: M. SCHMITT 15NOV2011
 APVD: M. SCHMITT 15NOV2011

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 ±0.1°

MATERIAL: △
 FINISH: △

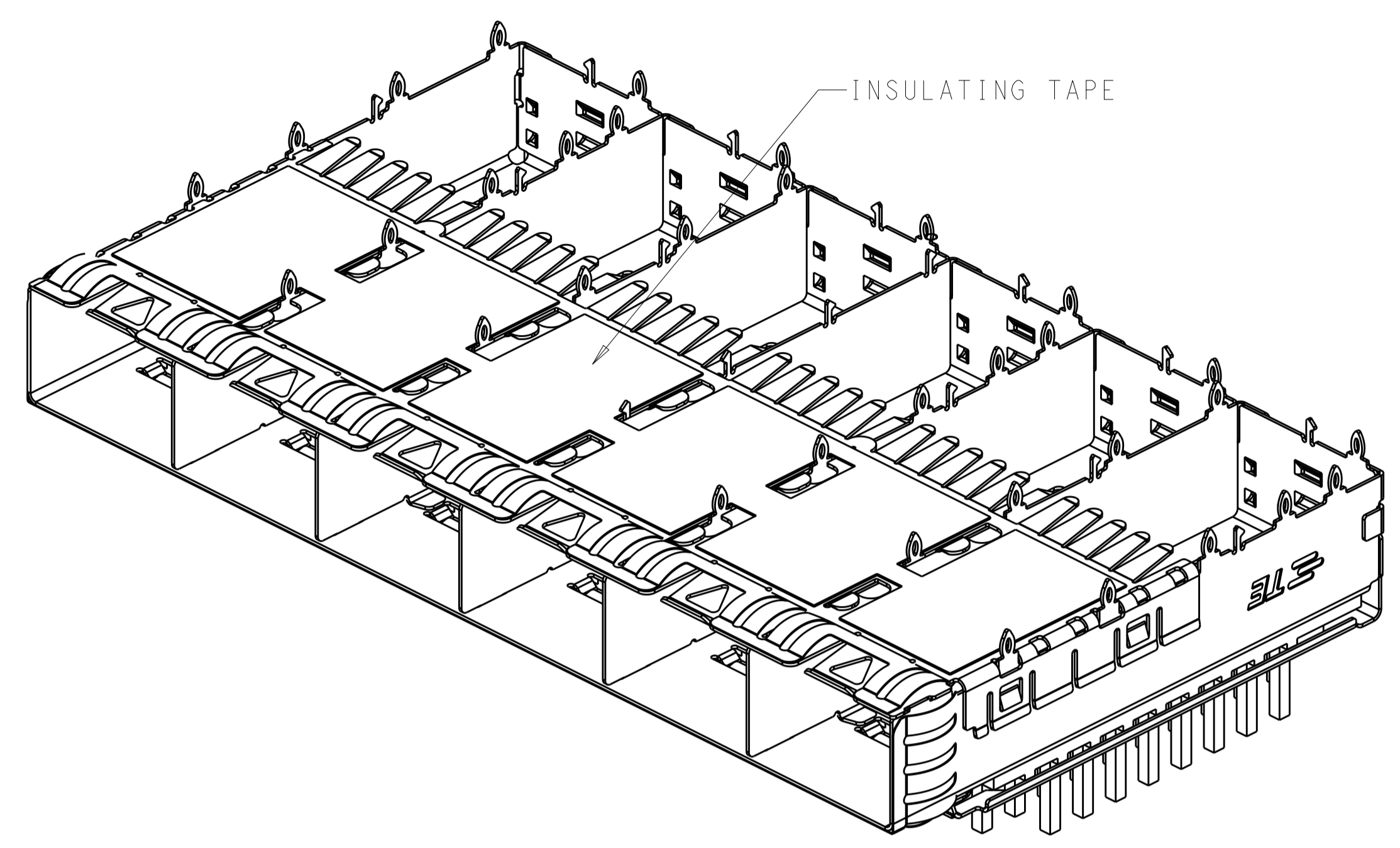
Customer Drawing

NAME: SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK
 PRODUCT SPEC: 108-2364
 APPLICATION SPEC: 114-13120

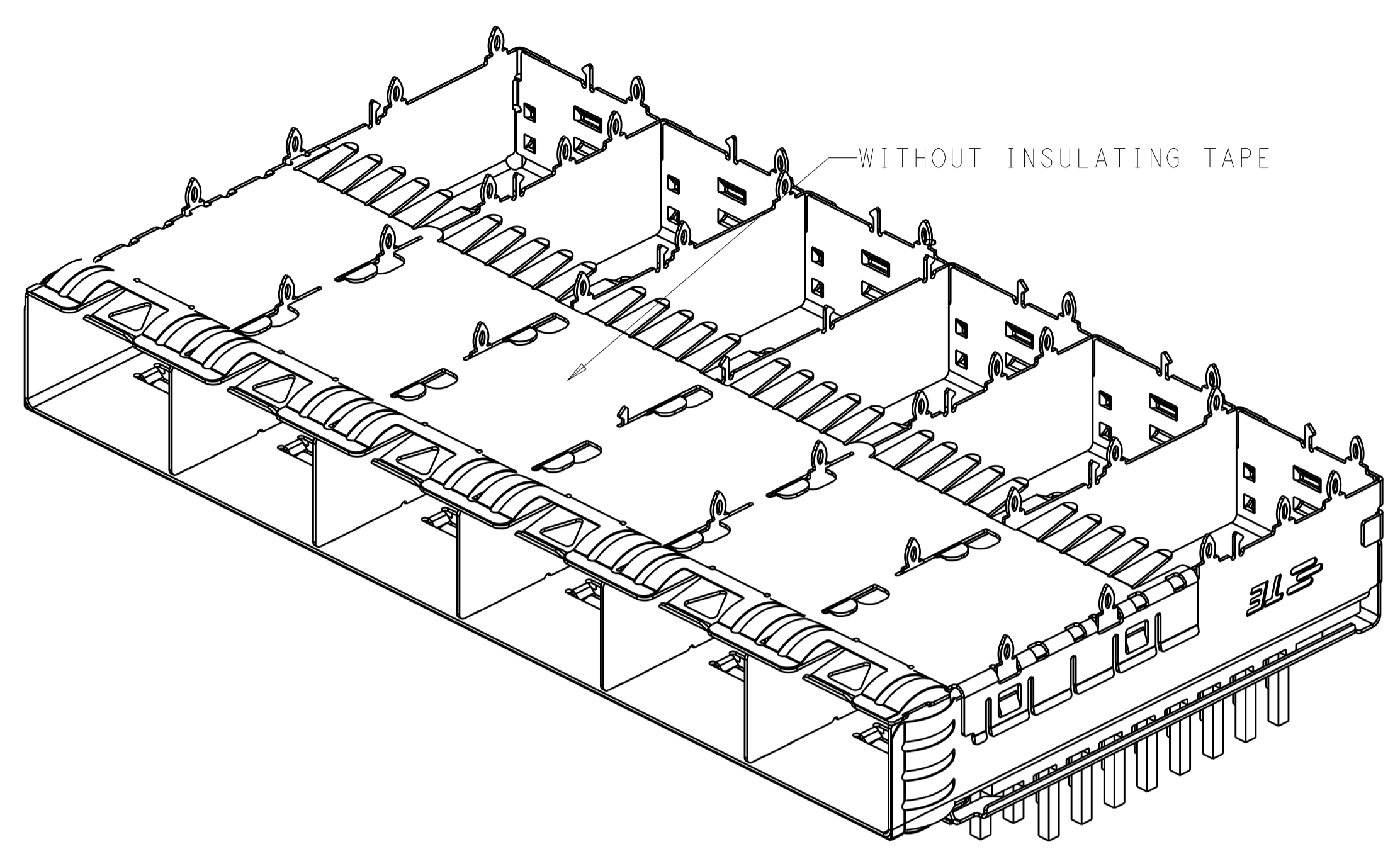
SIZE: A1
 CAGE CODE: 100779
 DRAWING NO: 2198235

RESTRICTED TO: -
 SCALE: 4:1
 SHEET: 1 OF 7
 REV: B2

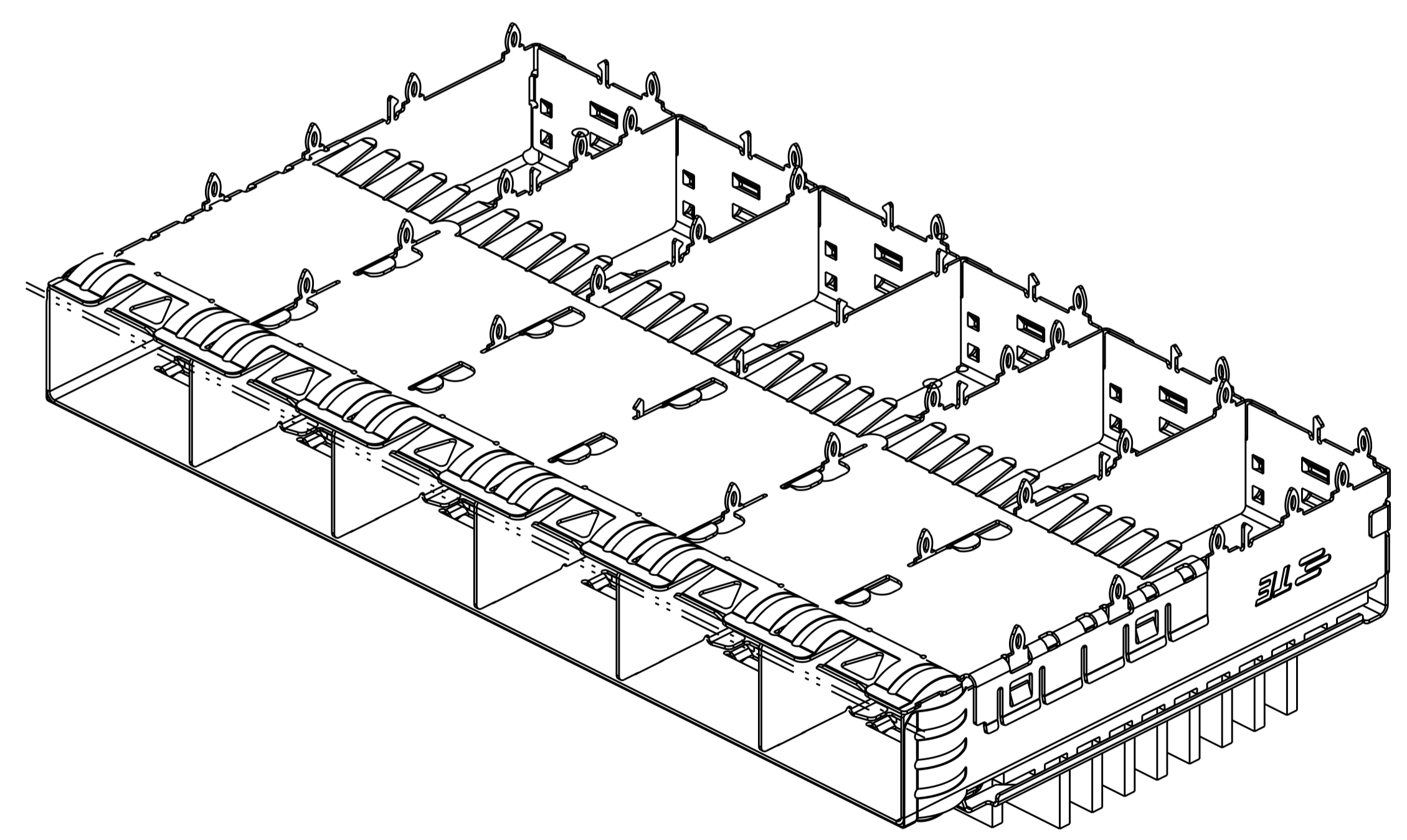
LOC	DIST	REVISIONS					
GP	00	P	LYR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1			



2198235-5 AS SHOWN WITH INSULATING TAPE
 WITH PIN TYPE HEAT SINK



2198235-1,2,3,4 WITHOUT INSULATING TAPE
 WITH PIN TYPE HEAT SINK

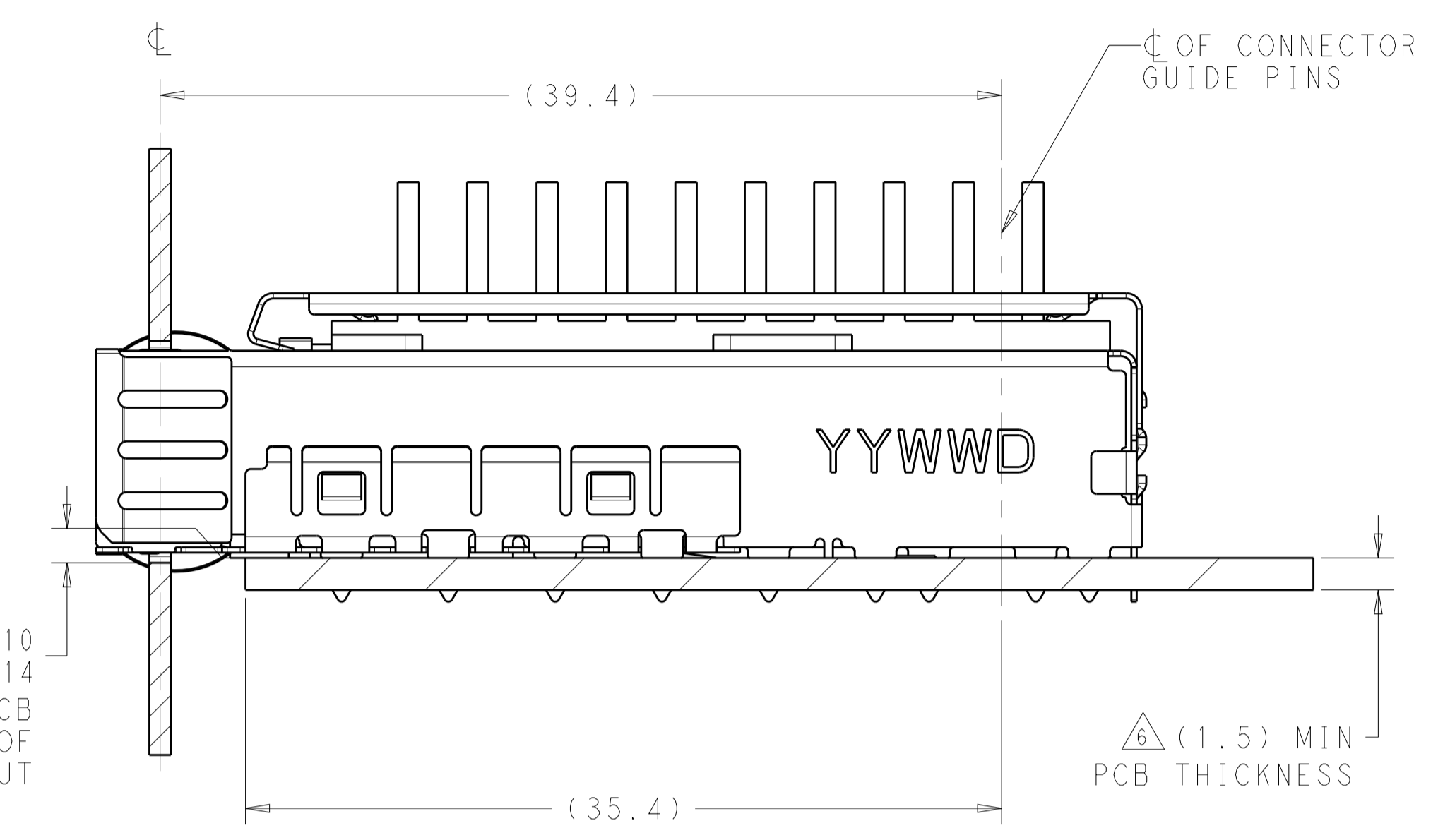
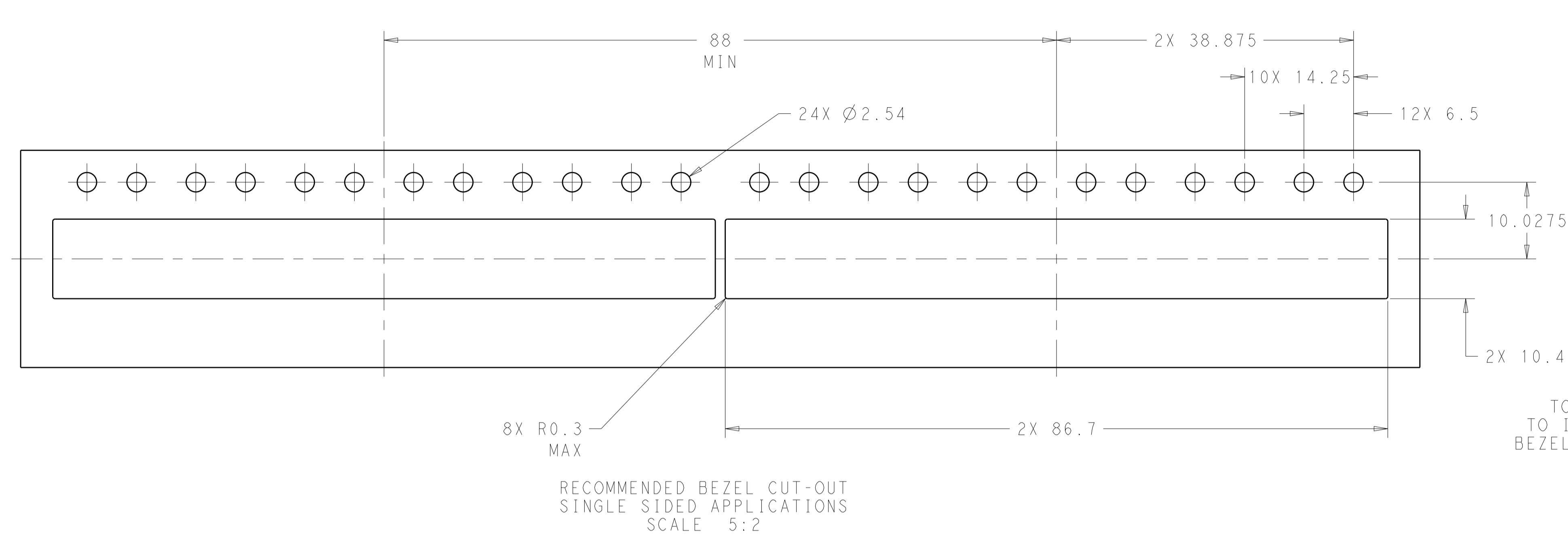


2198235-6,7,8,9 AS SHOWN WITHOUT INSULATING TAPE WITH FIN TYPE HEAT SINK

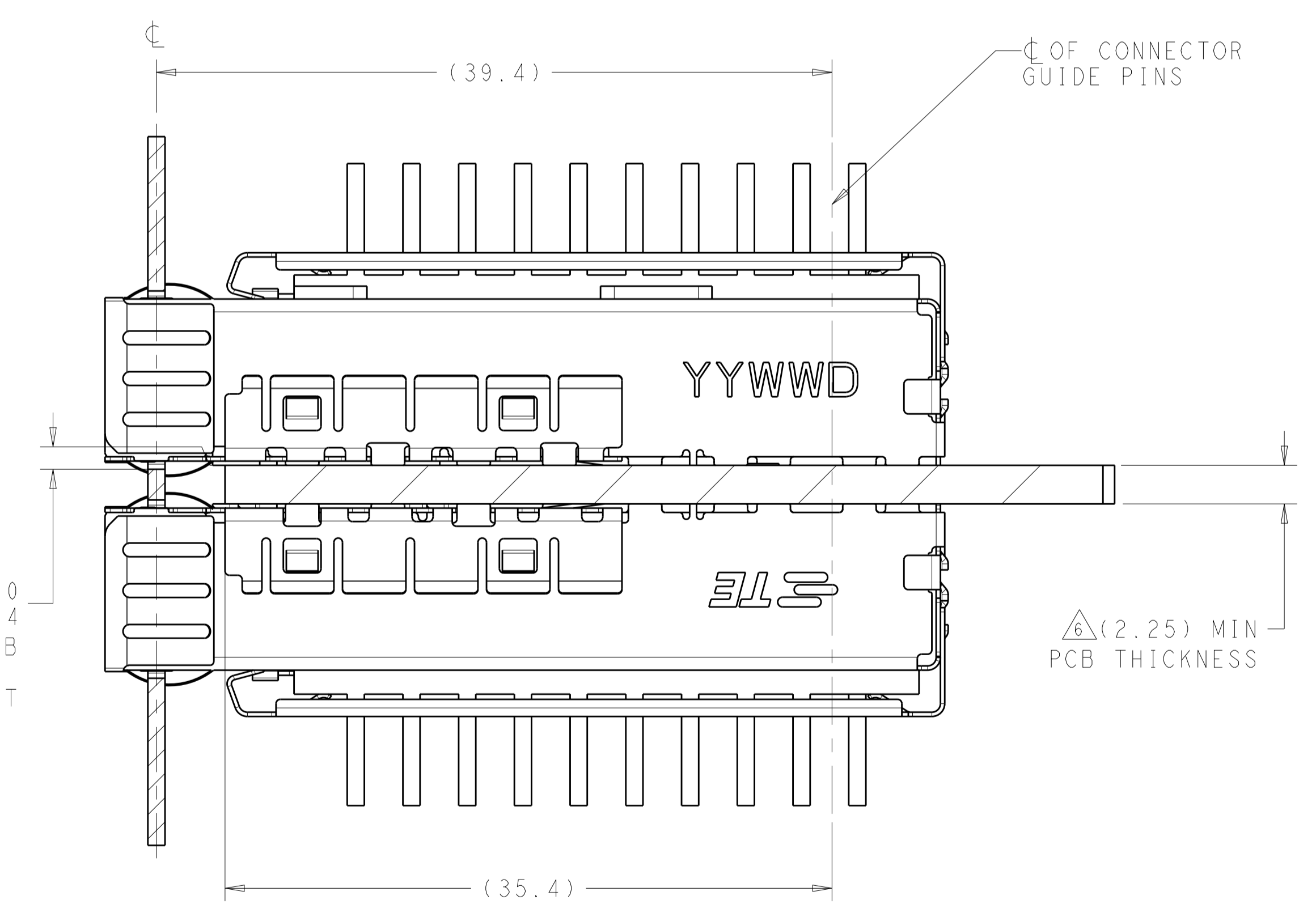
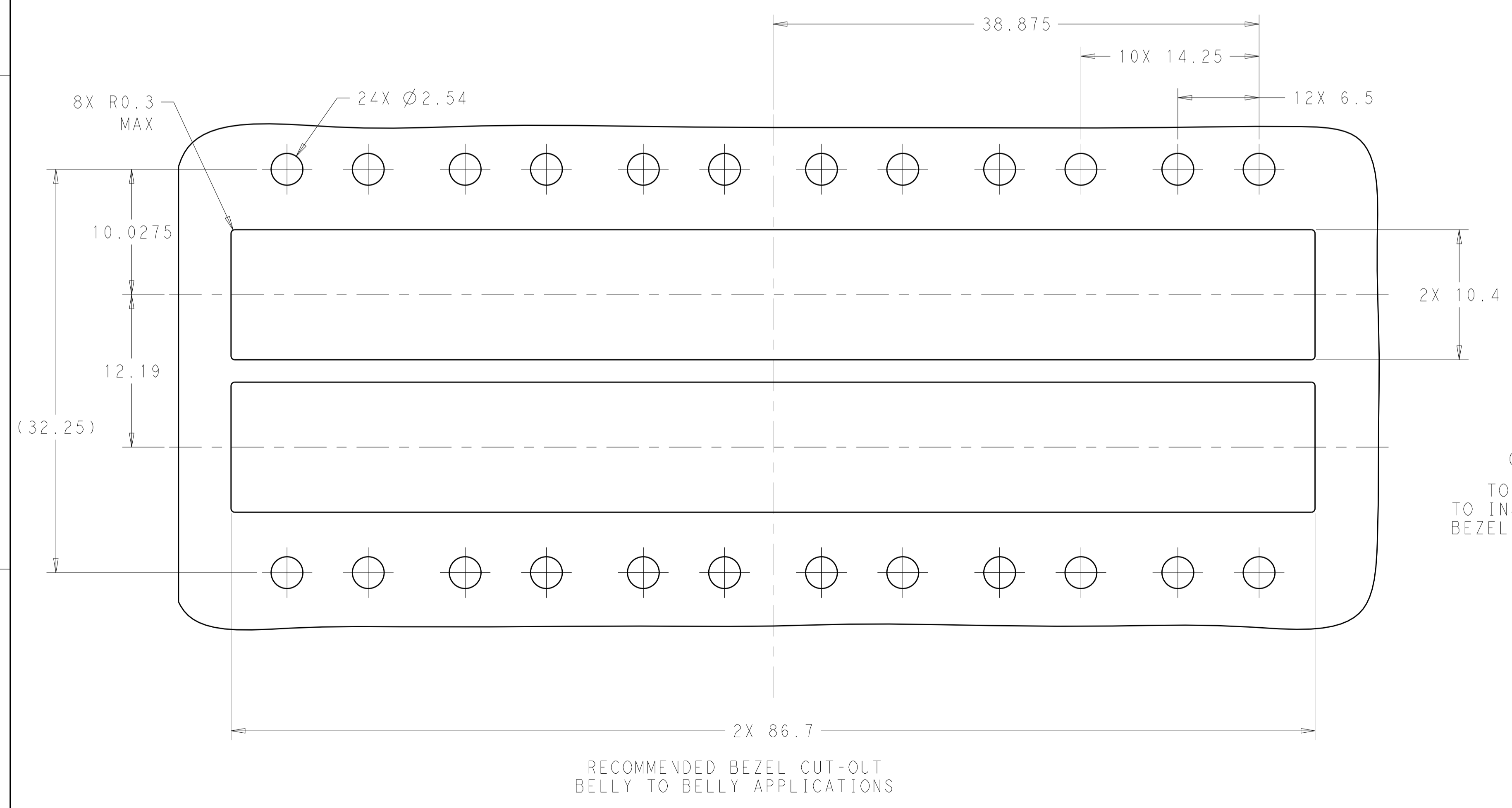
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	B. MATTHEWS	15NOV2011	TE Connectivity NAME: SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 WEIGHT: - Customer Drawing	RESTRICTED TO	
DIMENSIONS:		CHK	M. SCHMITT	15NOV2011		SIZE	A1
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	M. SCHMITT	15NOV2011		CAGE CODE	00779
mm						DRAWING NO	C=2198235
0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±0.1°		FINISH		SCALE		4:1	
MATERIAL		SCALE		SHEET		2 OF 7	
		REV		B2			

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
-	SEE SHEET 1	-	-



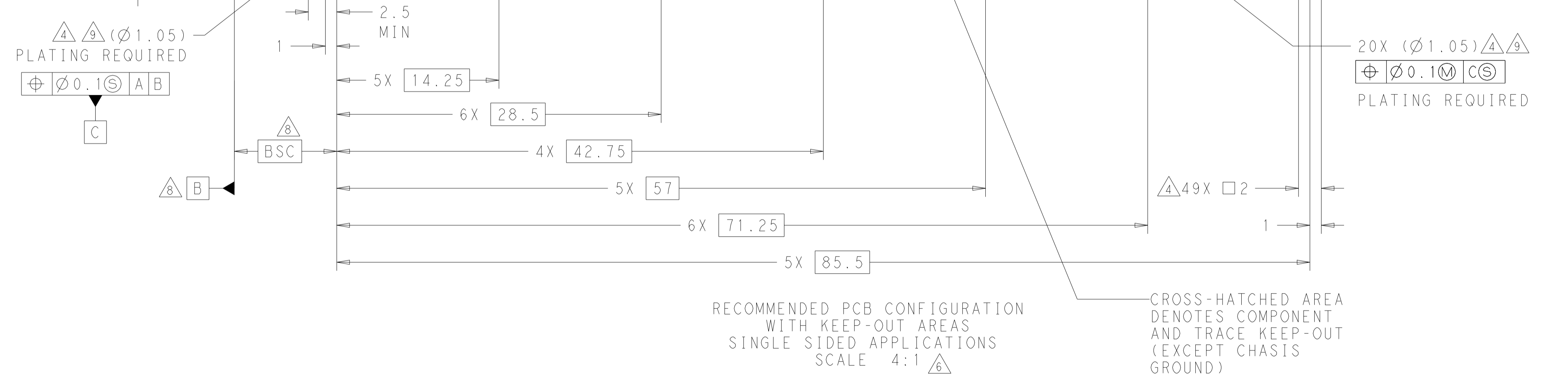
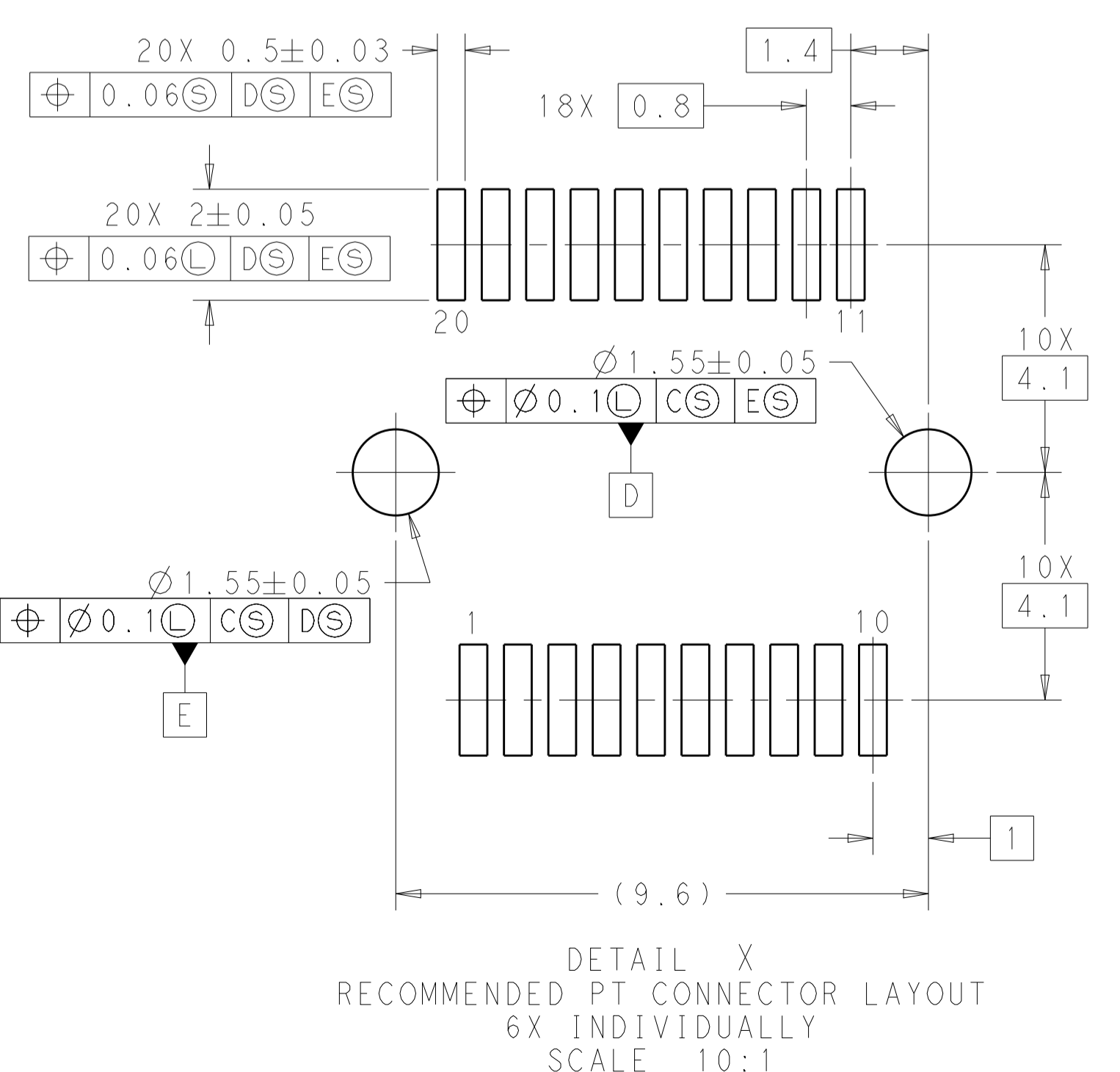
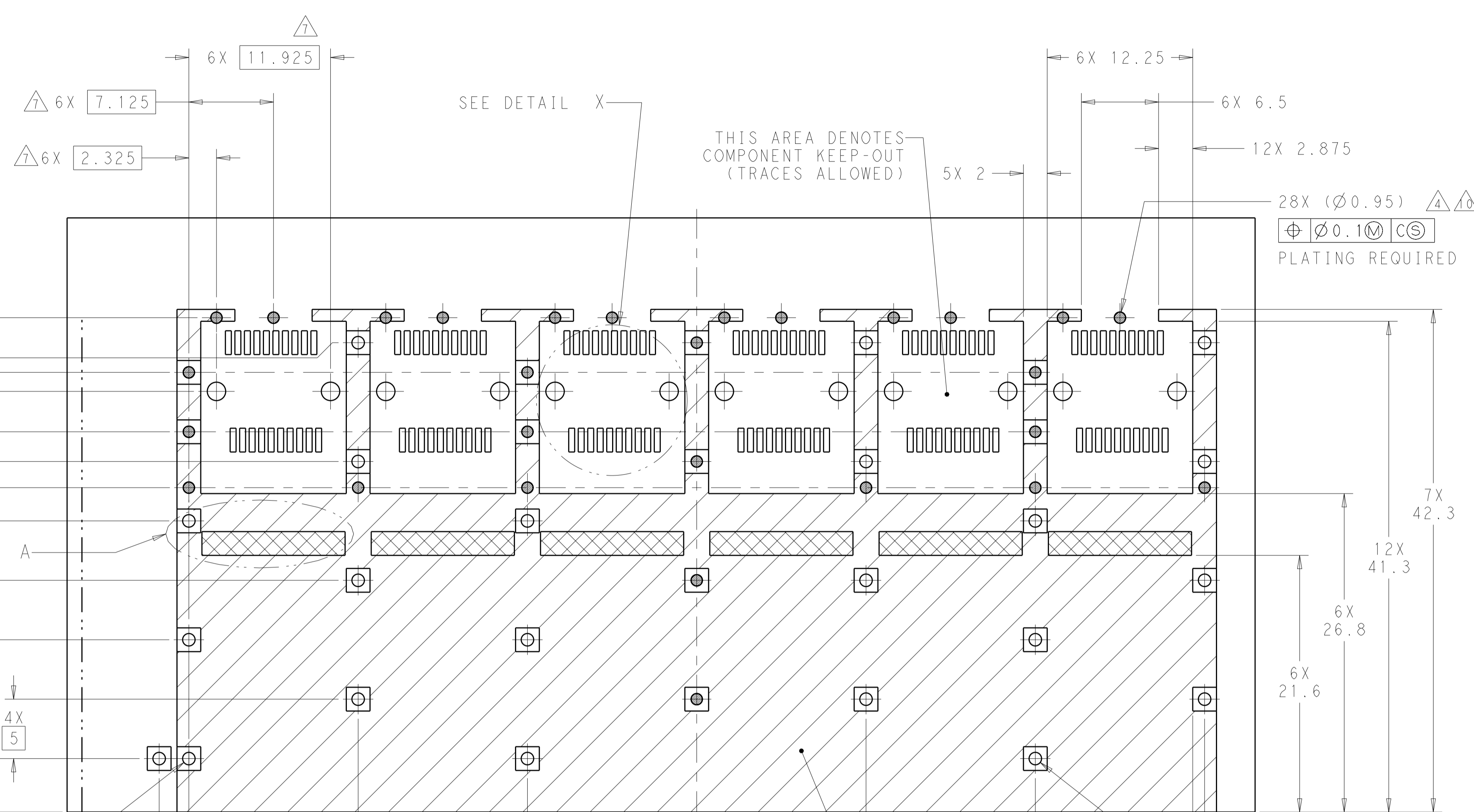
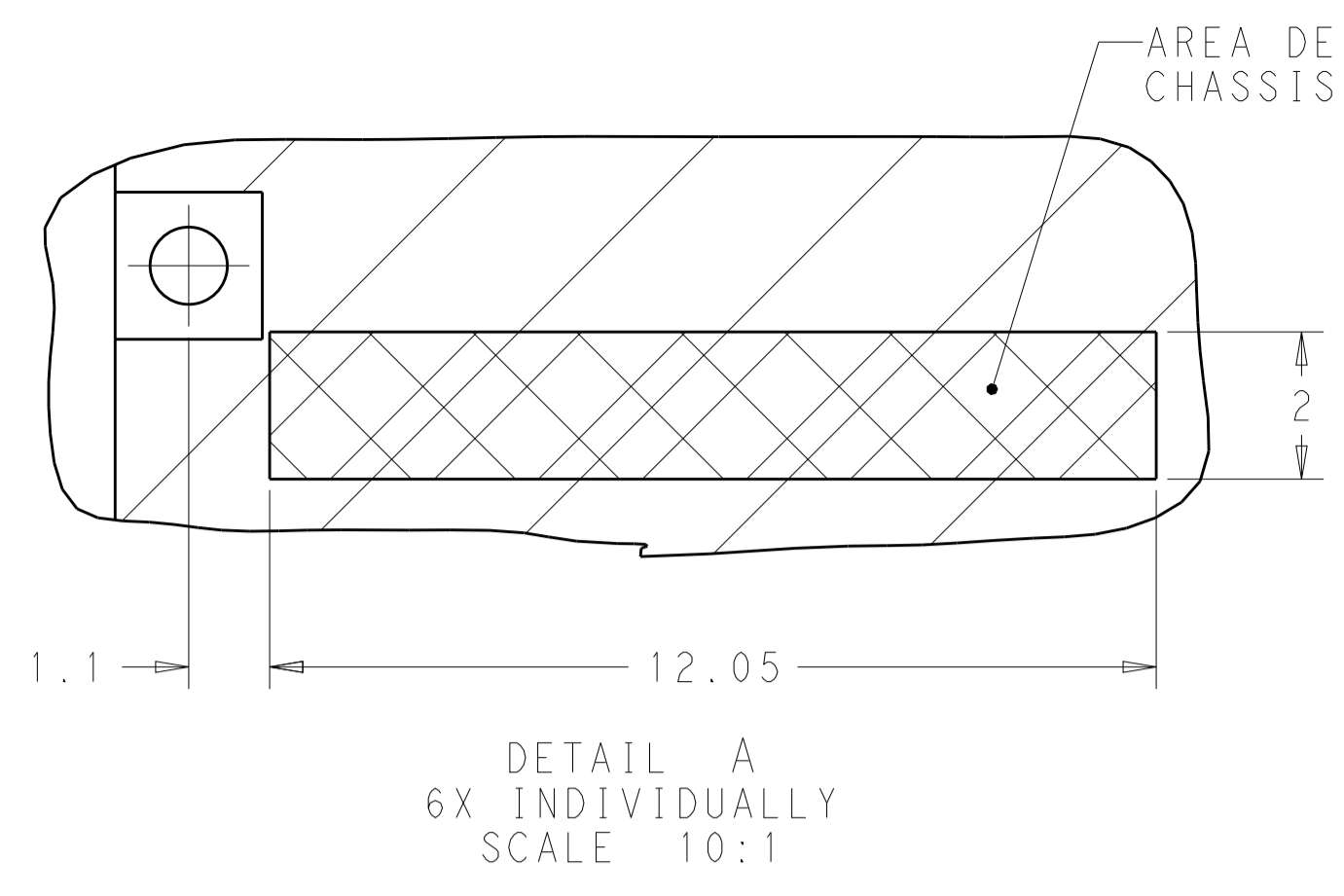
2198235 MOUNTED ON PC BOARD SHOWN THRU RECOMMENDED BEZEL



2198235 MOUNTED BELLY TO BELLY ON PC BOARD SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. MATTHEWS 15NOV2011	 TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 15NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: M. SCHMITT 15NOV2011	
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 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 WEIGHT: - Customer Drawing	
MATERIAL:		SIZE: A100779	RESTRICTED TO: -
		SCALE: 4:1	SHEET: 3 OF 7
		DRAWING NO: C=2198235	REV: B2

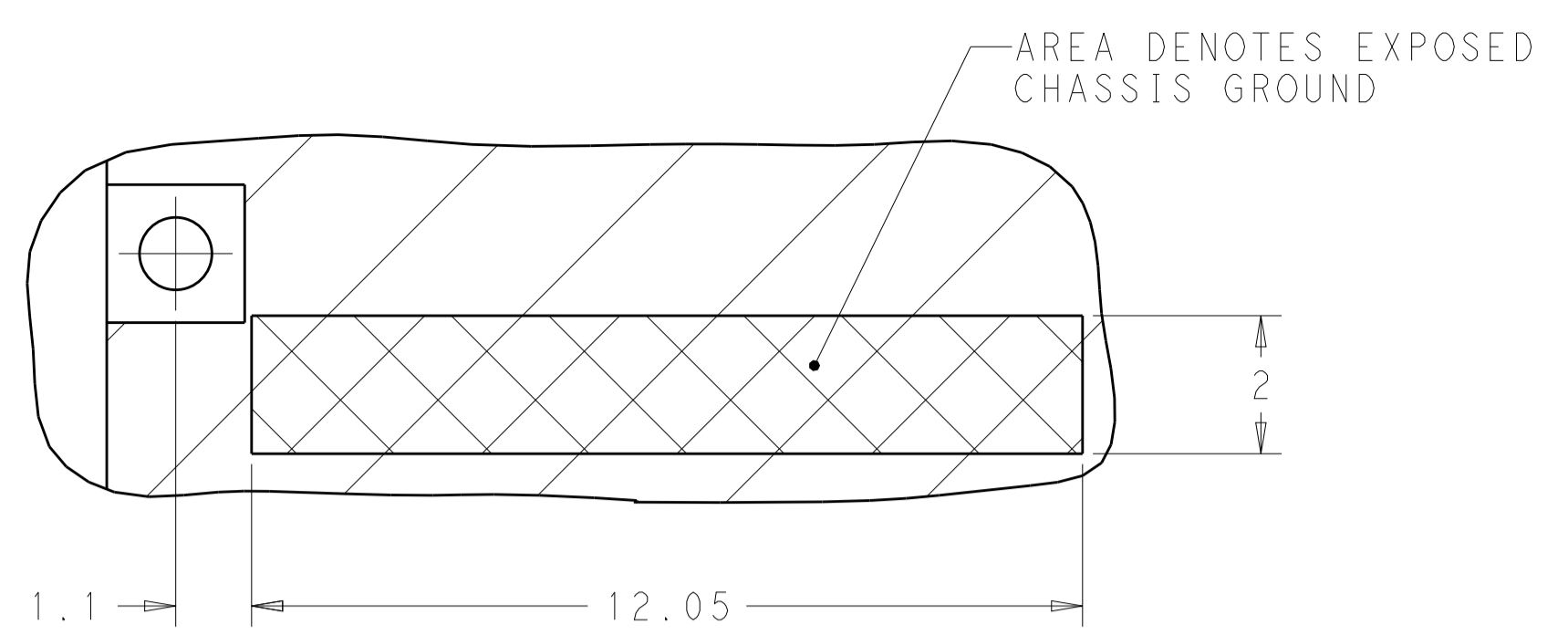
LOC	DIST	REV	DATE	BY	APPV
GP	00				
REVISIONS					
P	LTH	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-



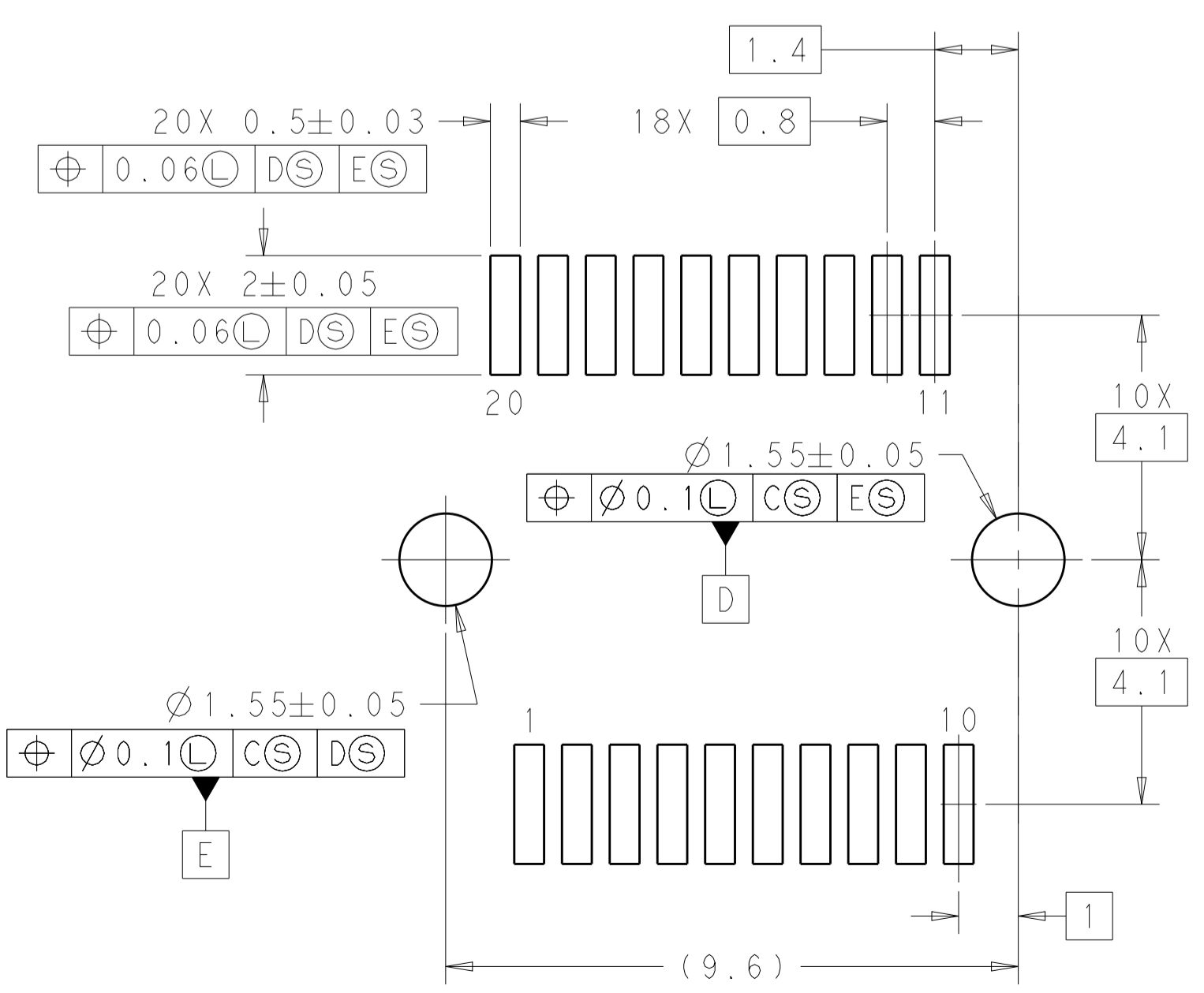
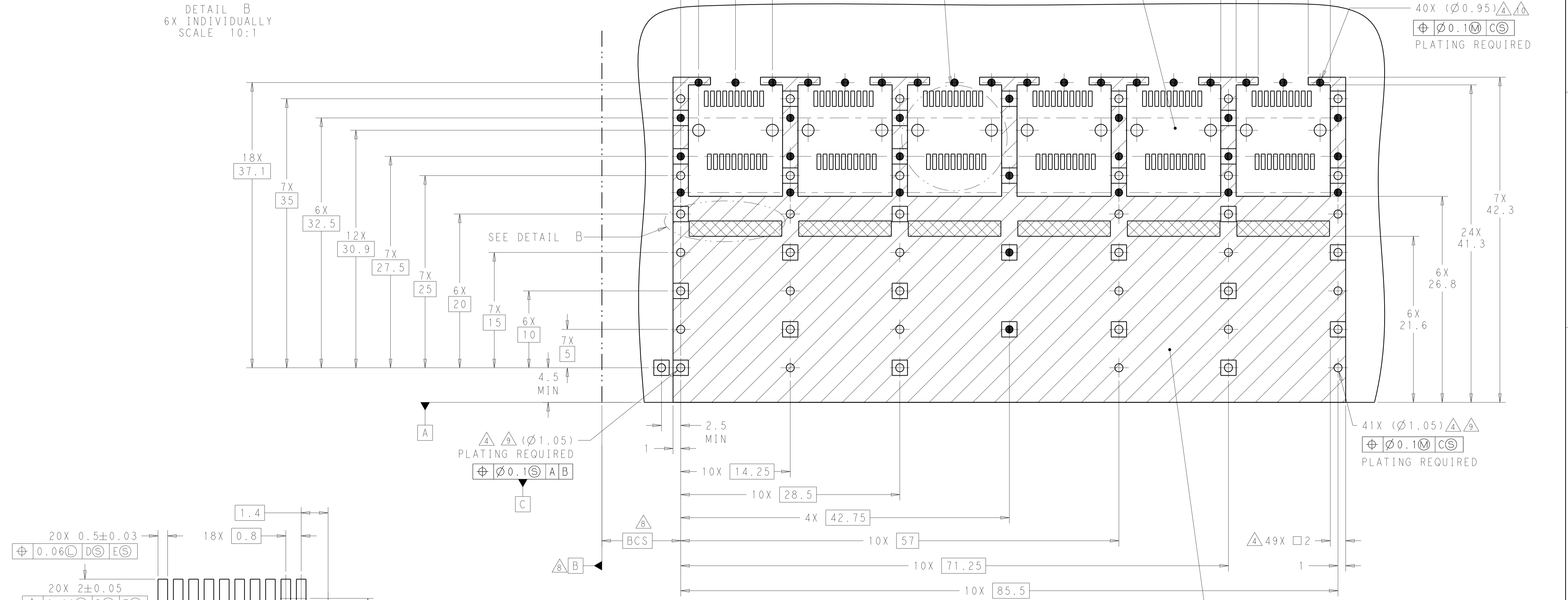
THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: B. MATTHEWS 15NOV2011	TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 15NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. SCHMITT 15NOV2011	NAME: SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 SIZE: CAGE CODE DRAWING NO: A100779 ©=2198235 WEIGHT: - Customer Drawing
0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°		RESTRICTED TO	
MATERIAL: Δ FINISH: Δ		SCALE: 4:1 SHEET: 4 OF 7 REV: B2	

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
-	SEE SHEET 1	-	-



DETAIL B
6X INDIVIDUALLY
SCALE 10:1



DETAIL Y
RECOMMENDED PT CONNECTOR LAYOUT
12X INDIVIDUALLY
SCALE 10:1

RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS
SCALE 4:1

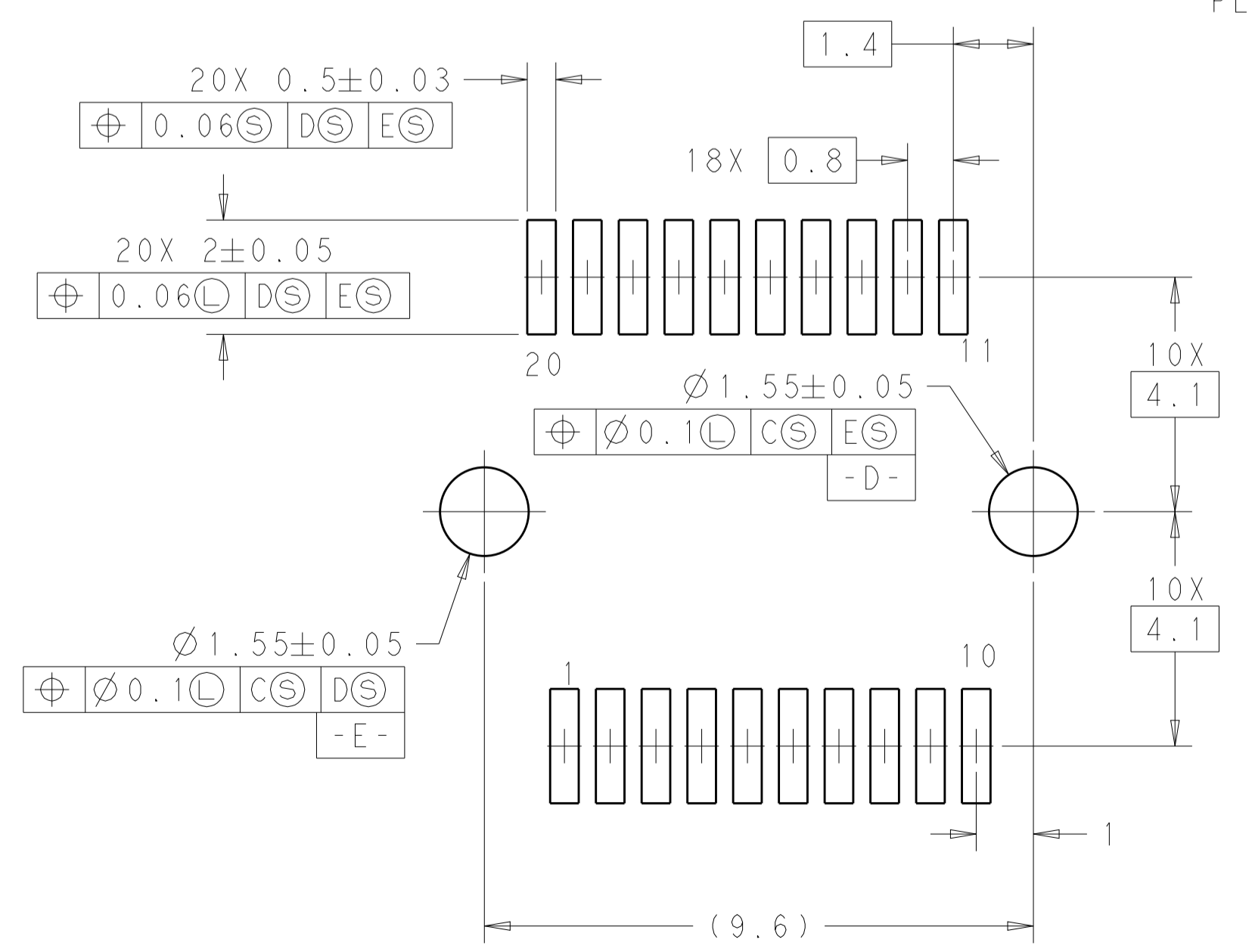
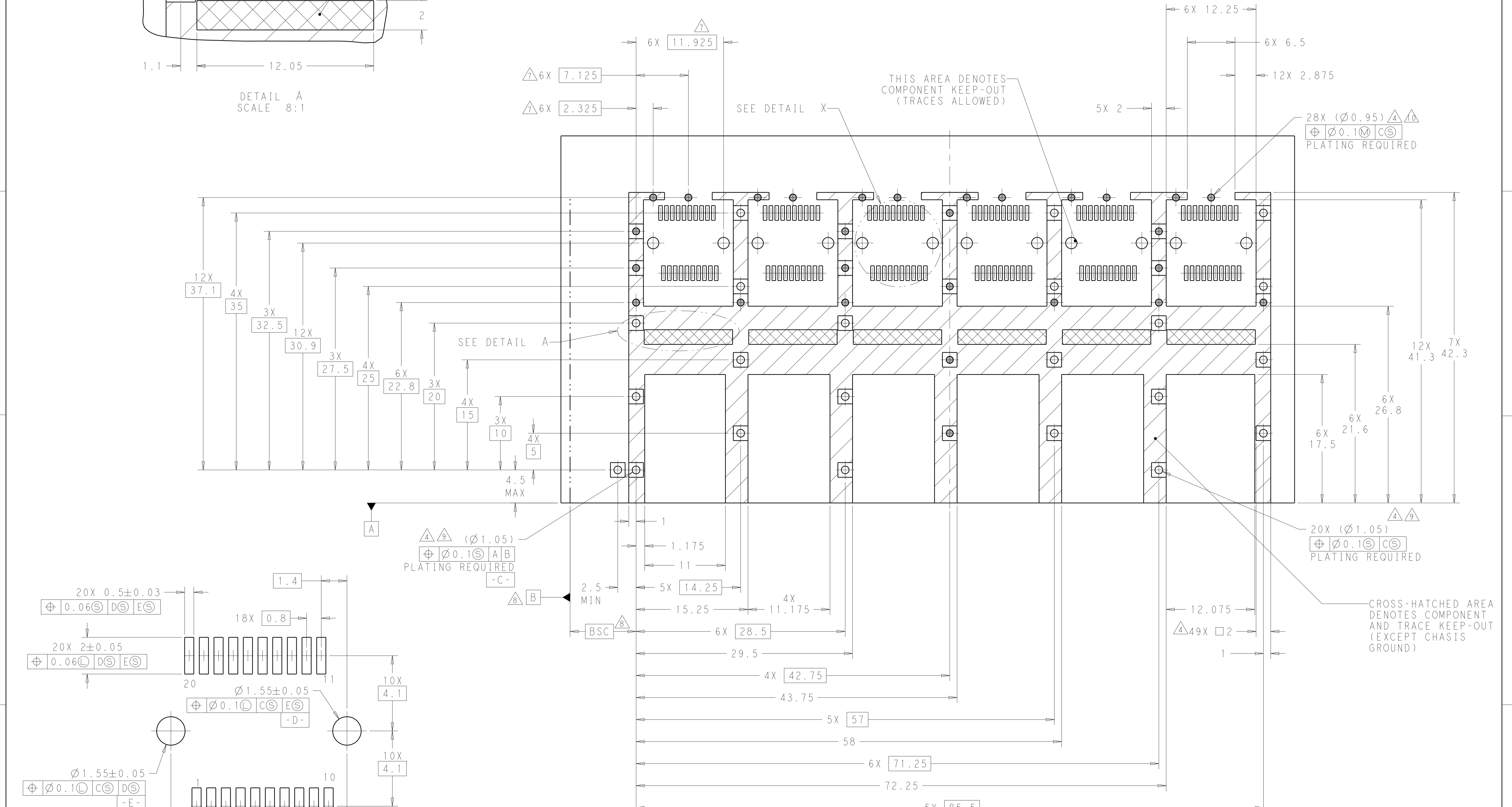
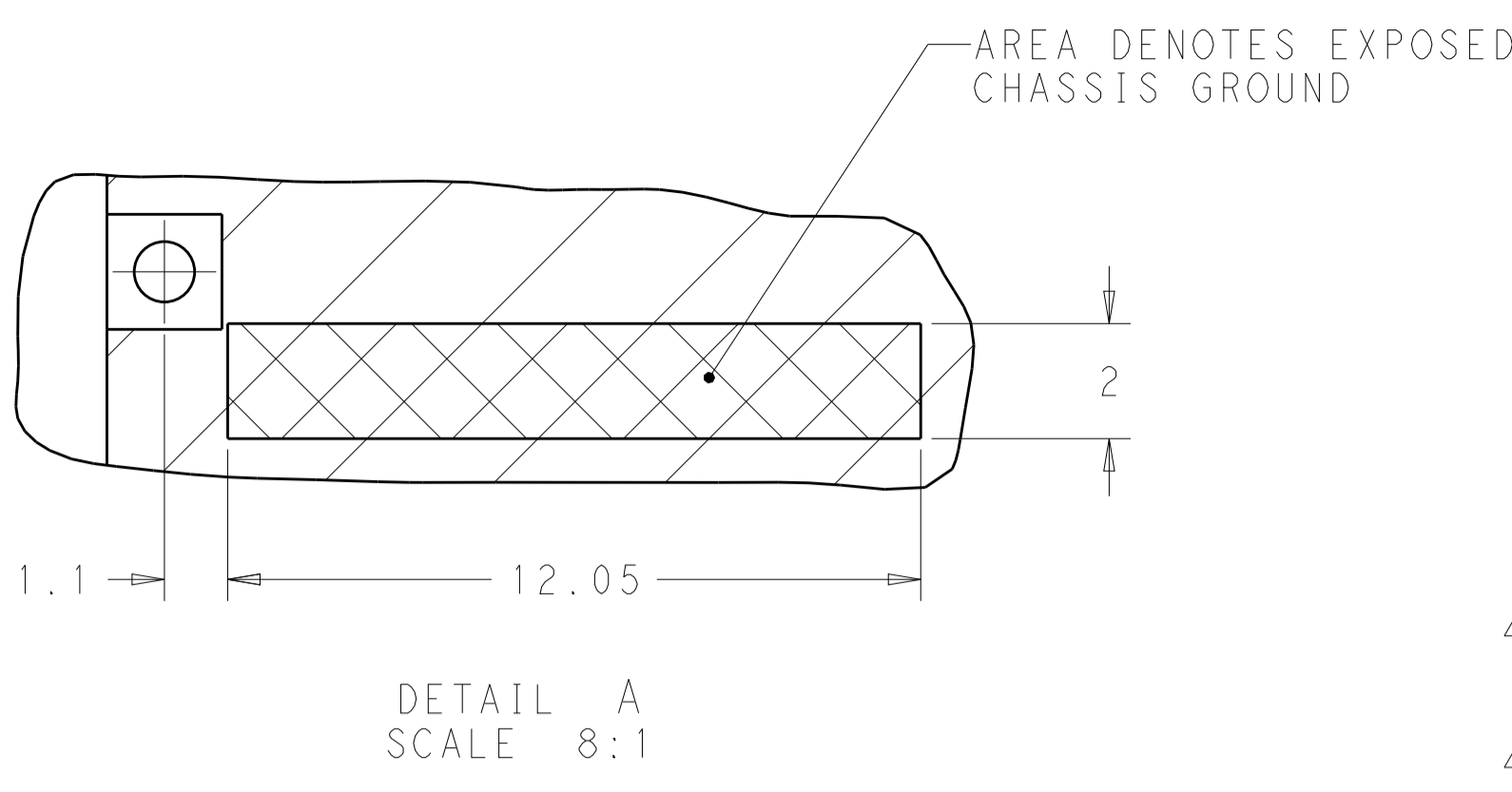
CROSS-HATCHED AREA
DENOTES COMPONENT
AND TRACE KEEP-OUT
(EXCEPT CHASSIS
GROUND)

THIS PRINT IS
PRELIMINARY
UNQUALIFIED PRODUCT
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. MATTHEWS 15NOV2011	TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 15NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. SCHMITT 15NOV2011	NAME: SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120
0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±0.1°		WEIGHT: 114-13120 CUSTOMER DRAWING	
MATERIAL:		FINISH:	SIZE: A1 CAGE CODE: 00779 DRAWING NO: C=2198235 SCALE: 4:1 SHEET: 5 of 7 REV: B2

LOC	DIST	REV	DATE	BY	APPV
GP	00				

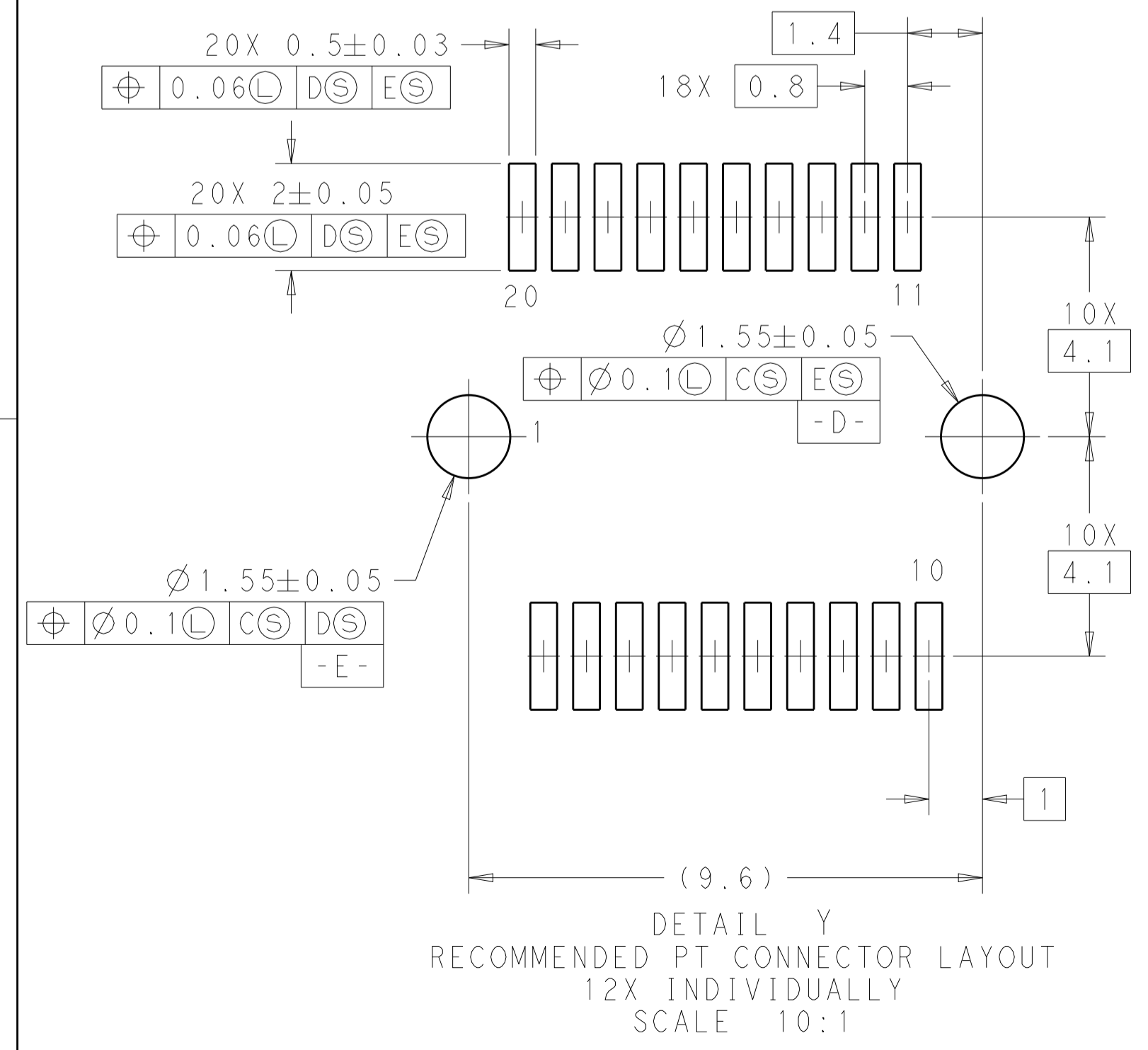
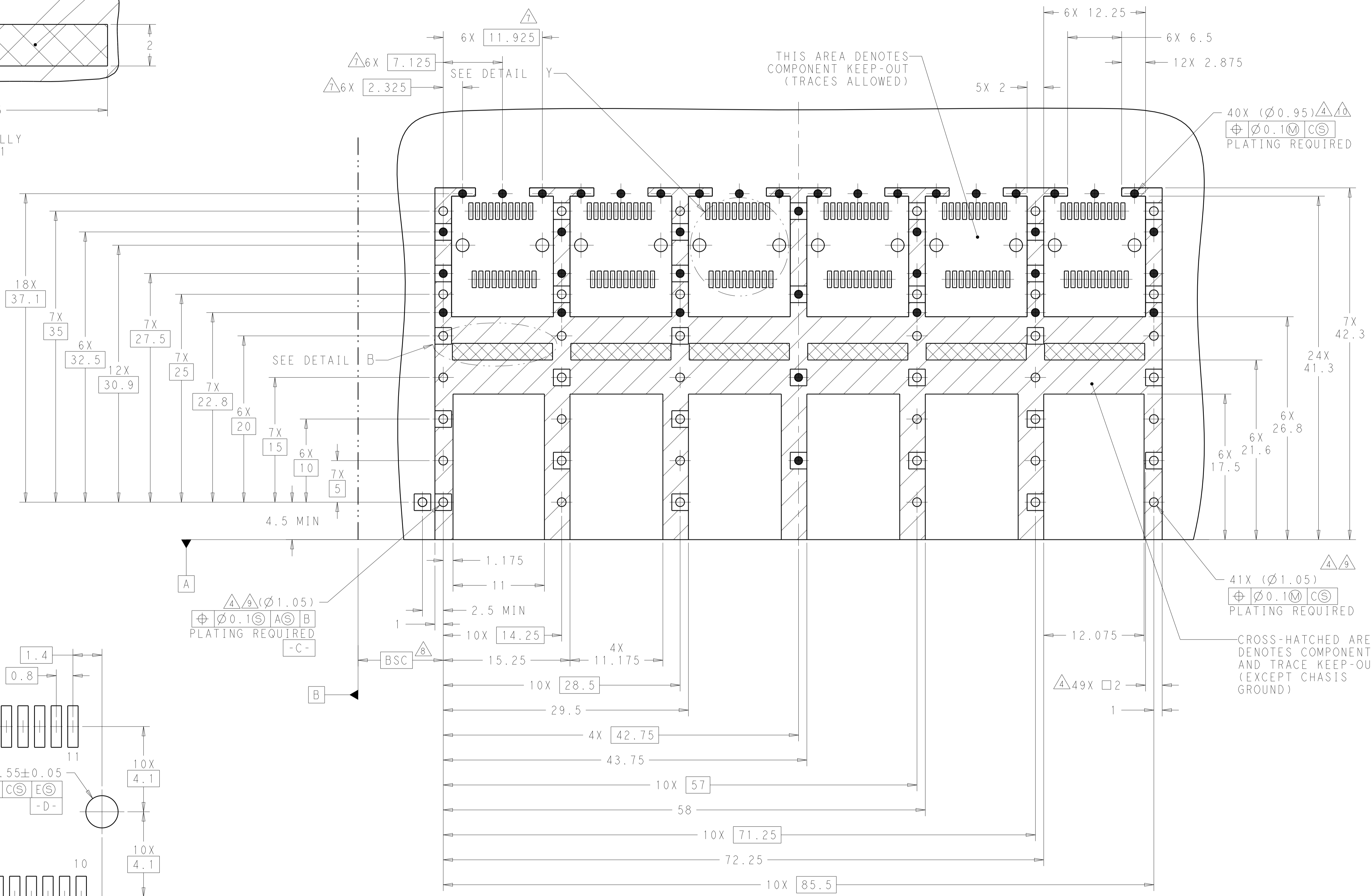
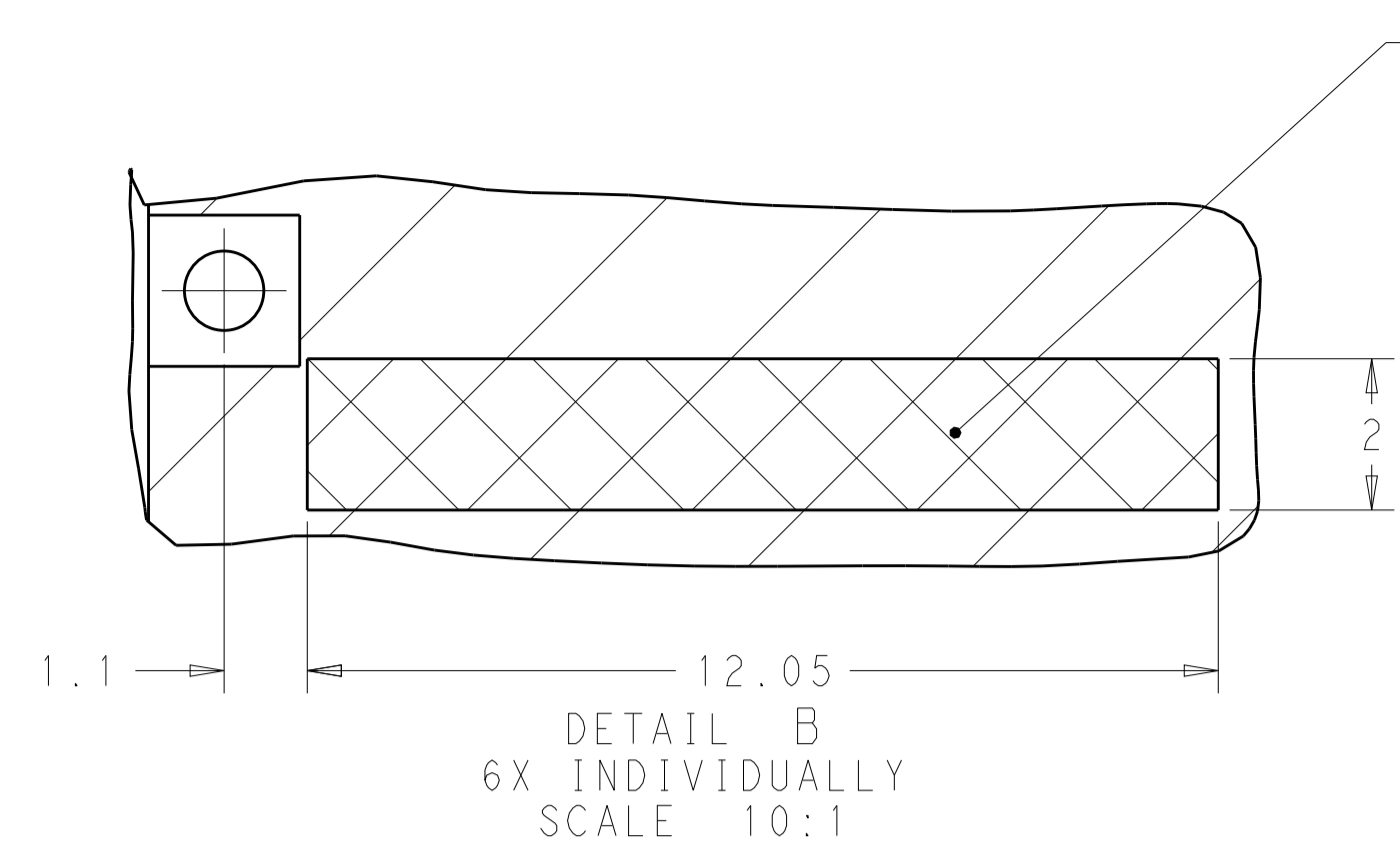
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1		



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

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 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120
0 PLC ±0.1		REVISIONS	
1 PLC ±0.1		1	SIZE: A1
2 PLC ±0.1		2	CAGE CODE: 2198235
3 PLC ±0.1		3	RESTRICTED TO:
4 PLC ±0.1		4	
ANGLES ±0.1		5	
FINISH: #1*		6	
MATERIAL:		WEIGHT:	SCALE: 4:1
		Customer Drawing	SHEET 6 OF 7
			REV B2

LOC	DIST	REV	DATE	BY	APPV
GP	00				
REVISIONS					
DESCRIPTION			DATE	BY	APPV
SEE SHEET 1					



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. MATTHEWS 15NOV2011	TE Connectivity
DIMENSIONS: mm		CHK: M. SCHMITT 15NOV2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. SCHMITT 15NOV2011	NAME: SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK PRODUCT SPEC: 108-2364 APPLICATION SPEC: SIZE: CAGE CODE DRAWING NO: 114-13120 WEIGHT: RESTRICTED TO:
0 PLC ±0.1		PRODUCT SPEC	
1 PLC ±0.1		APPLICATION SPEC	
2 PLC ±0.1		114-13120	
3 PLC ±0.1		Customer Drawing	
4 PLC ±0.1		SCALE: 4:1	SHEET 7 OF 7
ANGLES ±0.1		REV: B2	
FINISH: #1*			