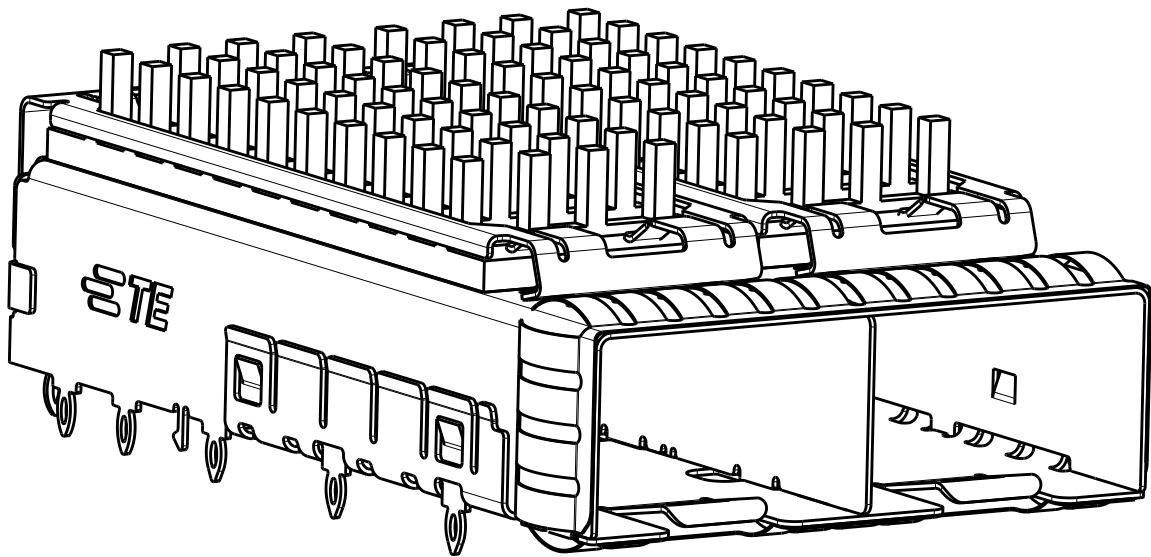
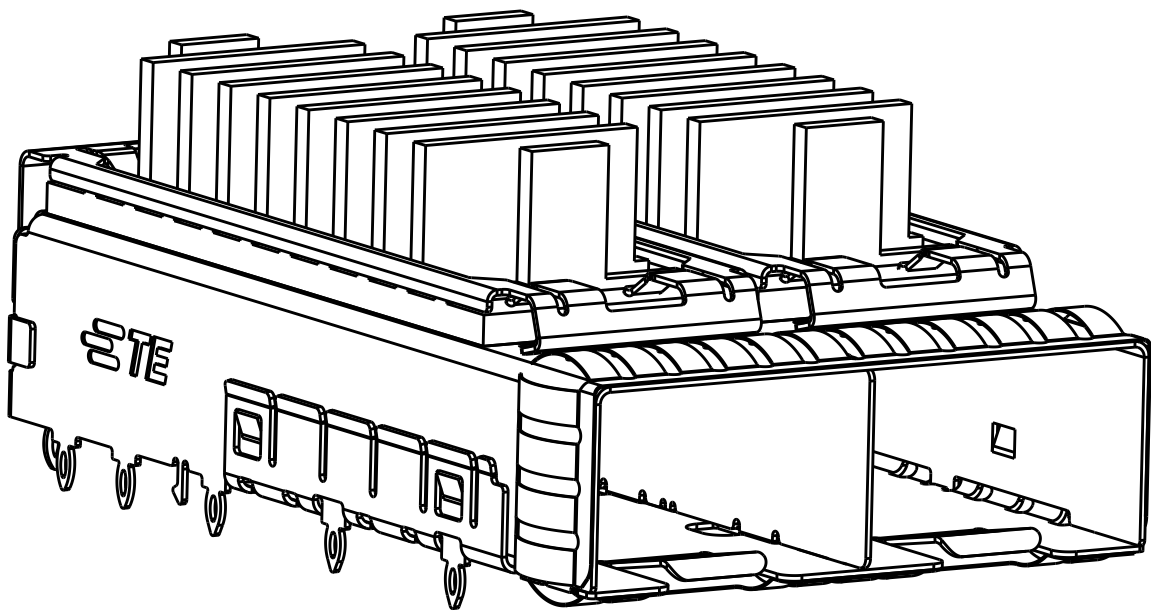


LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
OY			B	REVISED PER ECR-18-002882	21FEB2018	IT	SH

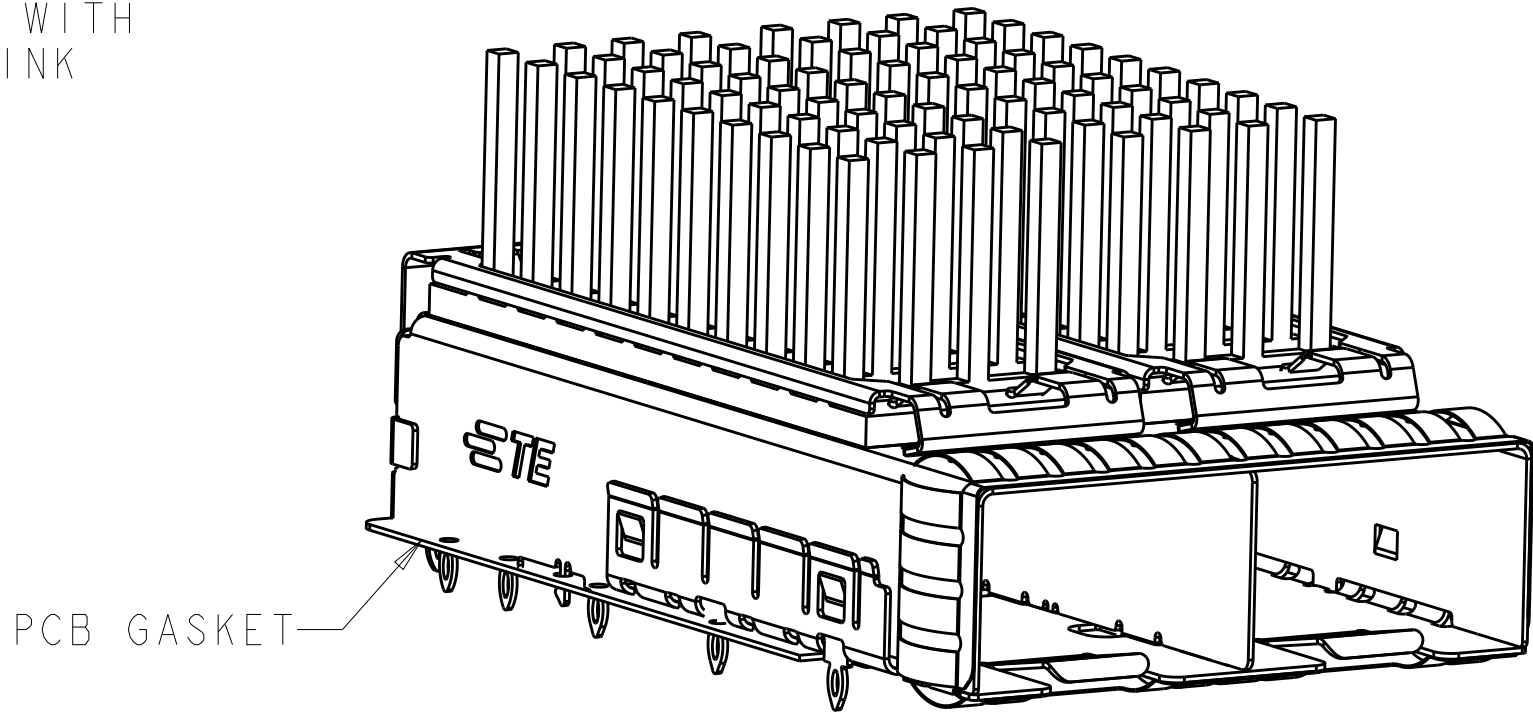
- ⚠ MATERIAL:
CAGE ASSEMBLY:
0.25mm THICK NICKEL SILVER ALLOY
EMI SPRINGS: COPPER ALLOY
HEAT SINK: ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL.
- 2 ⚠ FINISH:
HEAT SINK: ELECTROLESS NICKEL
HEAT SINK CLIP: PASSIVATE.
EMI SPRINGS: 0.8µm MIN MATTE TIN OVER
0.8µm MIN NICKEL, NON-PLATED EDGES PERMISSIBLE.
- 3 ⚠ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 5 ⚠ PADS AND VIAS CHASSIS GROUND.
5. MATES WITH SFP MSA COMPLIANT RECIEVERS.
6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OR ASME Y14.5M-1994.
- ⚠ MINIMUM PC BOARD THICKNESS:
SINGLE SIDED: 1.5mm
DOUBLE SIDED: 2.25mm
- 8 ⚠ HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm.
- 9 ⚠ REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 10 ⚠ 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 NEED TO 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 ⚠ WITH BELLY GASKET: RF ABSORBER



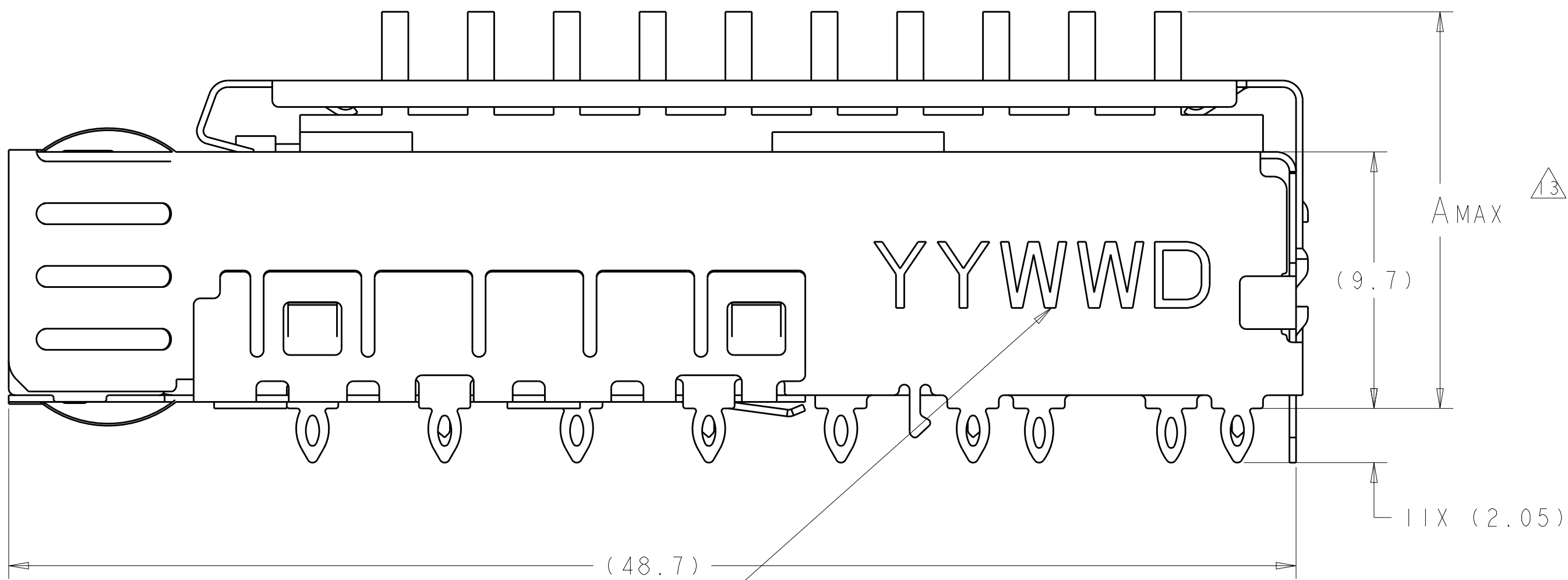
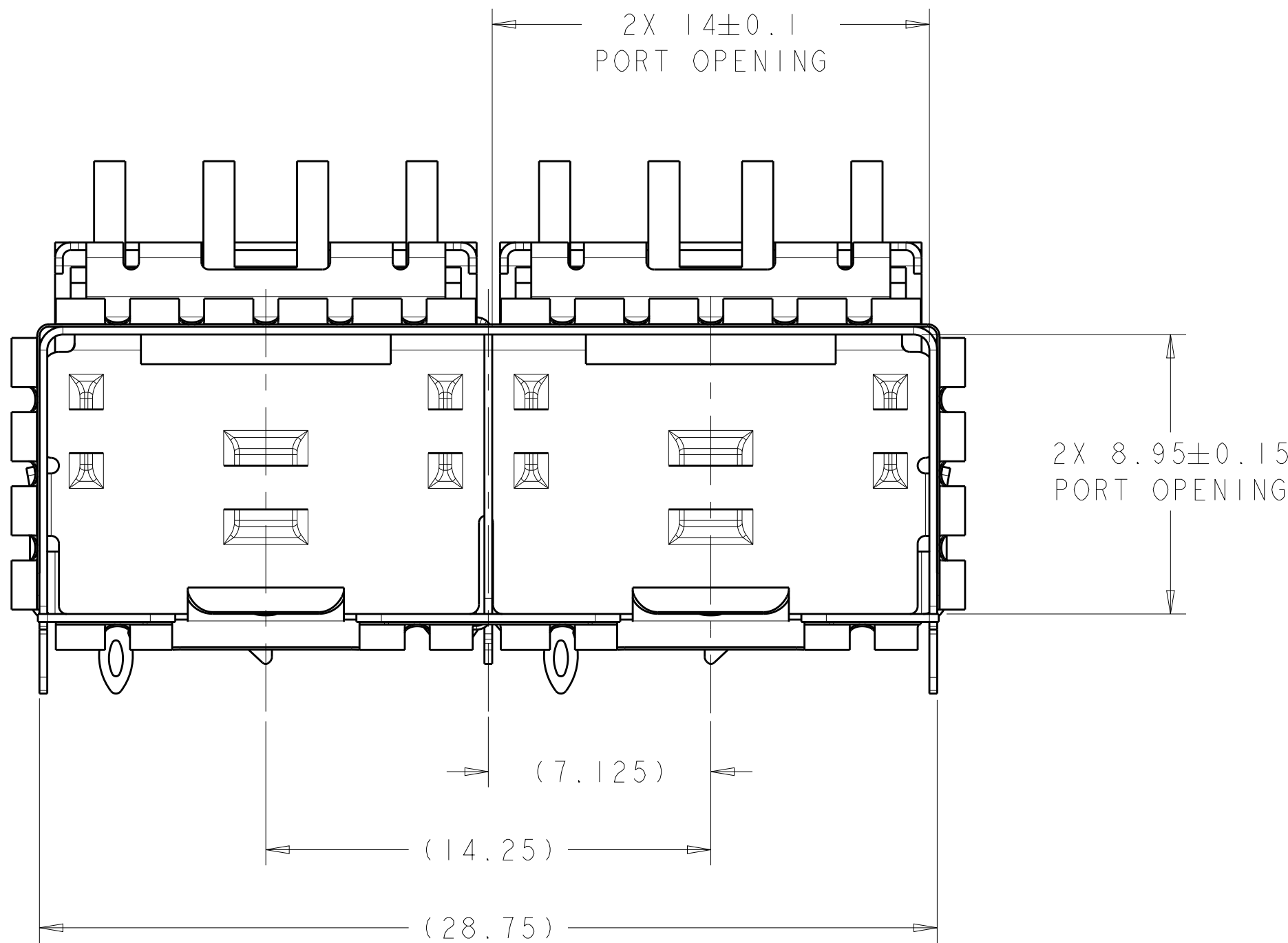
2198230-1,2,3,4
FINISHED ASSEMBLY WITH
PIN TYPE HEAT SINK



2198230-5,6,7,8
FINISHED ASSEMBLY WITH
FIN TYPE HEAT SINK







1-2198230-4
FINISHED ASSEMBLY WITH
PIN TYPE HEAT SINK, WITH BELLY GASKET

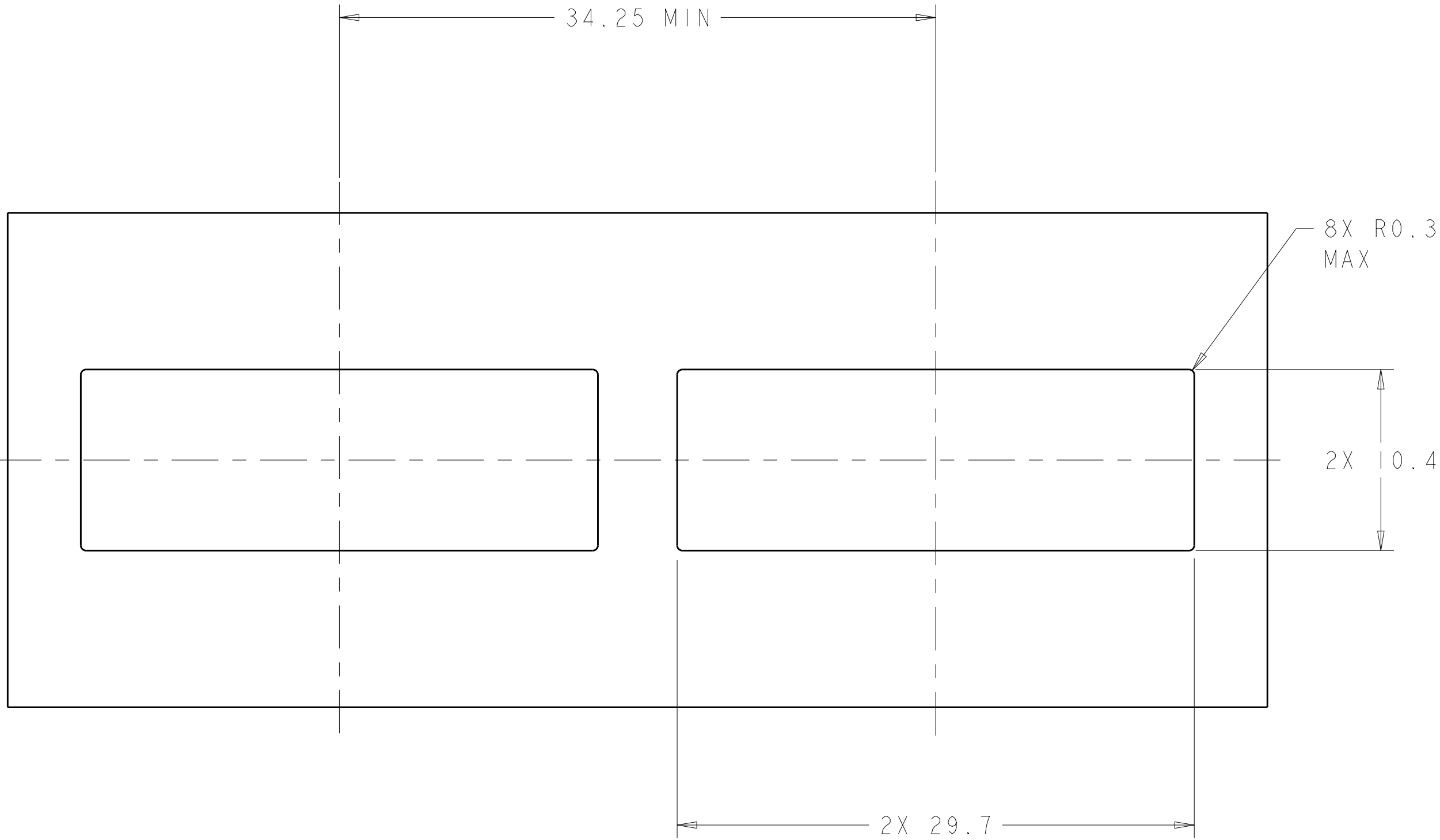


APPROXIMATE LOCATION
OF DATE CODE

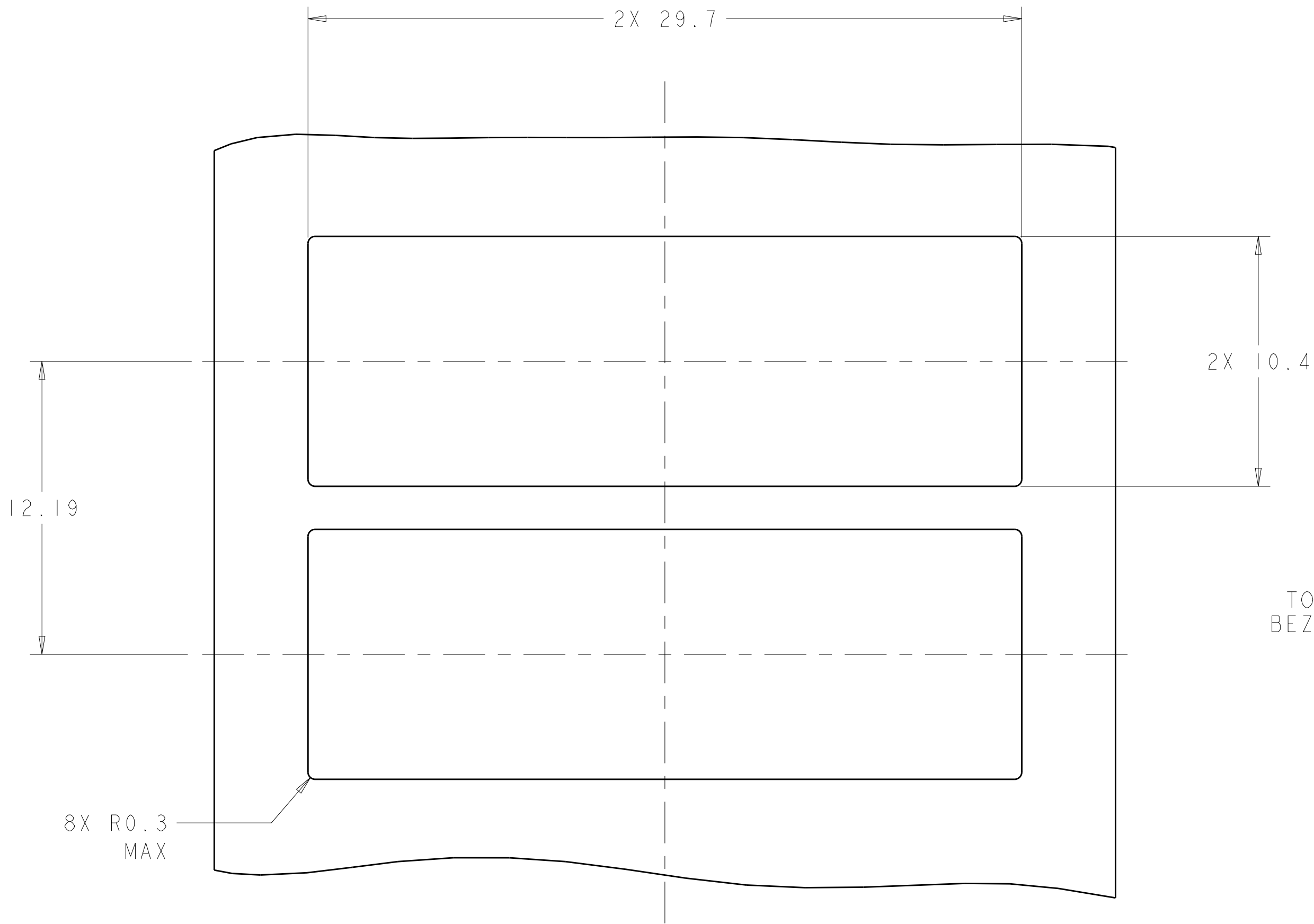
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FIN TYPE	18.1	NETWORKING, SHORT	2198230-7
FIN TYPE	15.5	SAN	2198230-6
FIN TYPE	13.2	PCI	2198230-5
PIN TYPE	22.5	NETWORKING, TALL	1-2198230-4
PIN TYPE	22.5	NETWORKING, TALL	2198230-4
PIN TYPE	18.1	NETWORKING, SHORT	2198230-3
PIN TYPE	15.5	SAN	2198230-2
PIN TYPE	13.2	PCI	2198230-1
HEAT SINK	A 13 ⚠ DESCRIPTION		PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 06OCT2011	 TE Connectivity			
DIMENSIONS:		CHK M. SCHMITT 06OCT2011				
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. SCHMITT 06OCT2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK			
		PRODUCT SPEC 108-2364	SIZE A1			
	FINISH	APPLICATION SPEC 114-13120	CAGE CODE 00779			
		WEIGHT -	DRAWING NO 2198230			
MATERIAL		Customer Drawing	SCALE 2:1		SHEET 1 OF 4	REV B
						

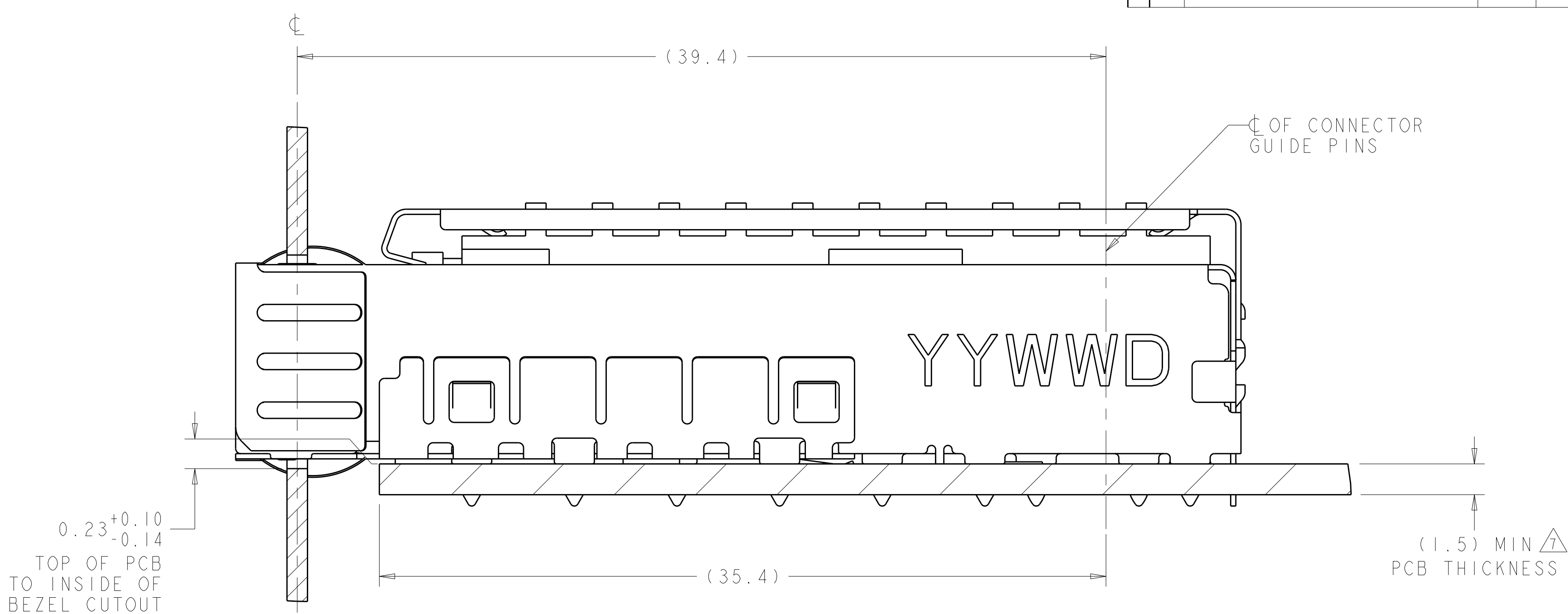
LOC		DIST		REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD		
		-		SEE SHEET 1	-	-	-		



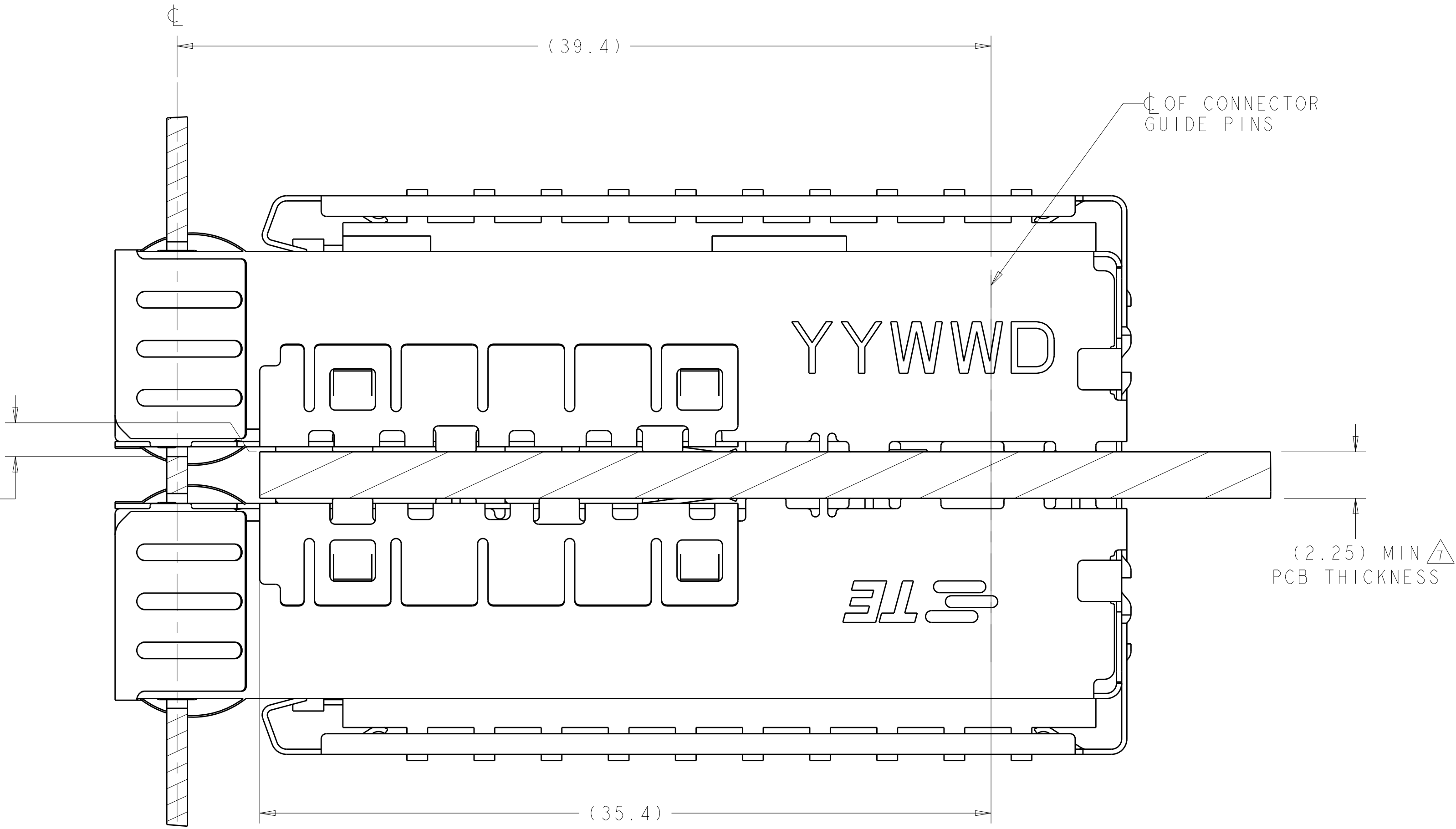
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 4:1




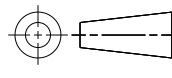
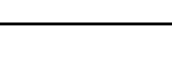
RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS

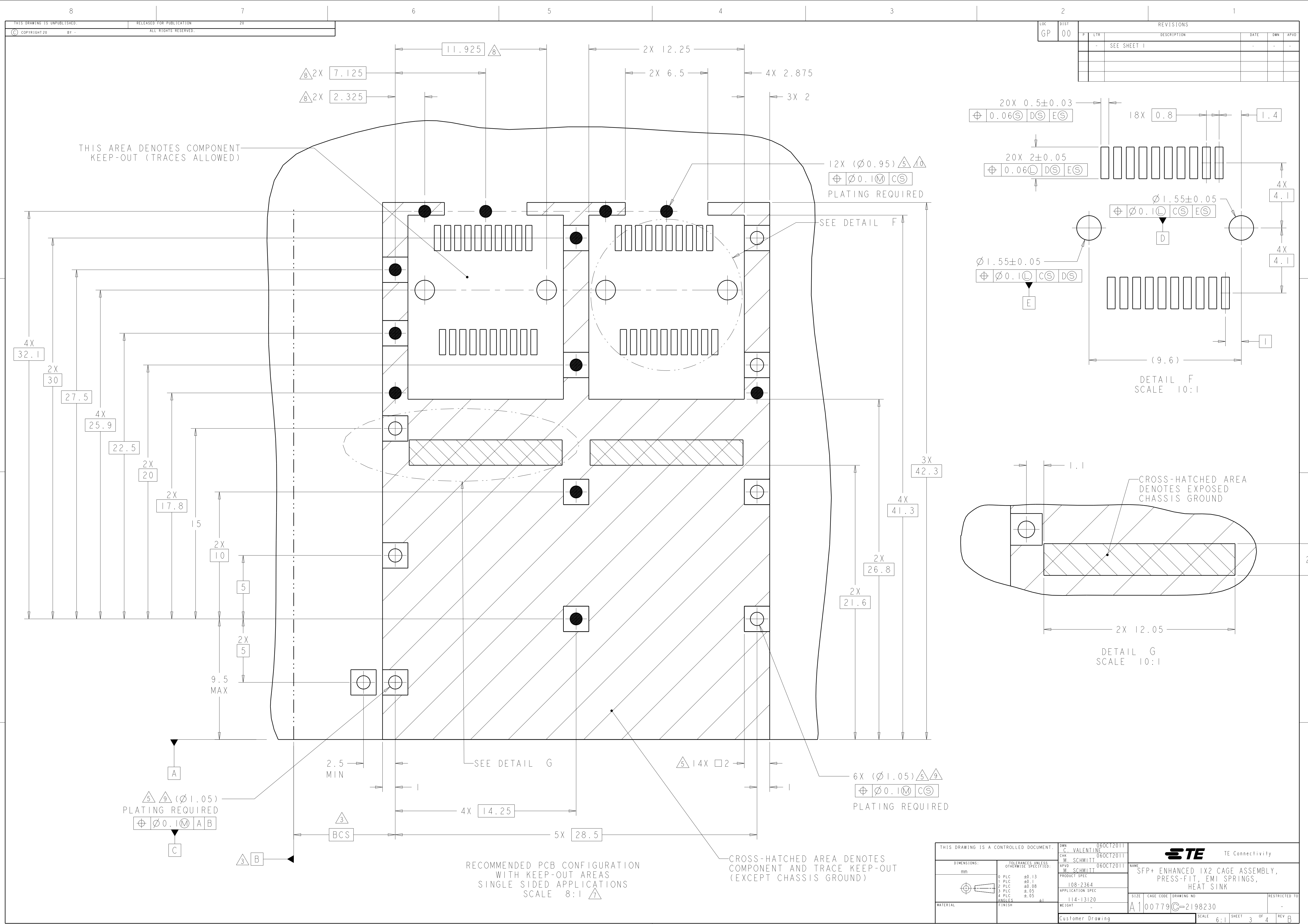


2198230-1
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

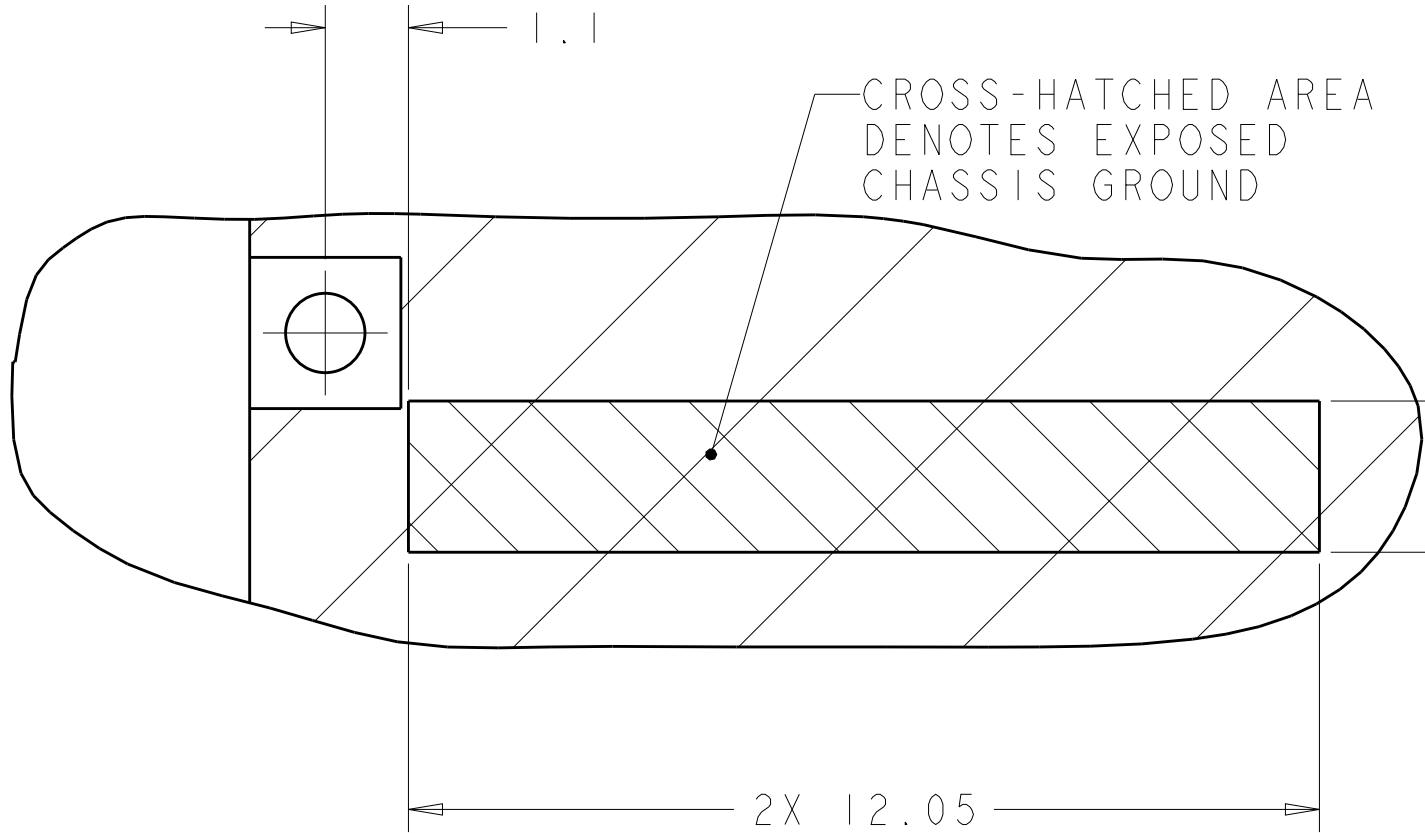
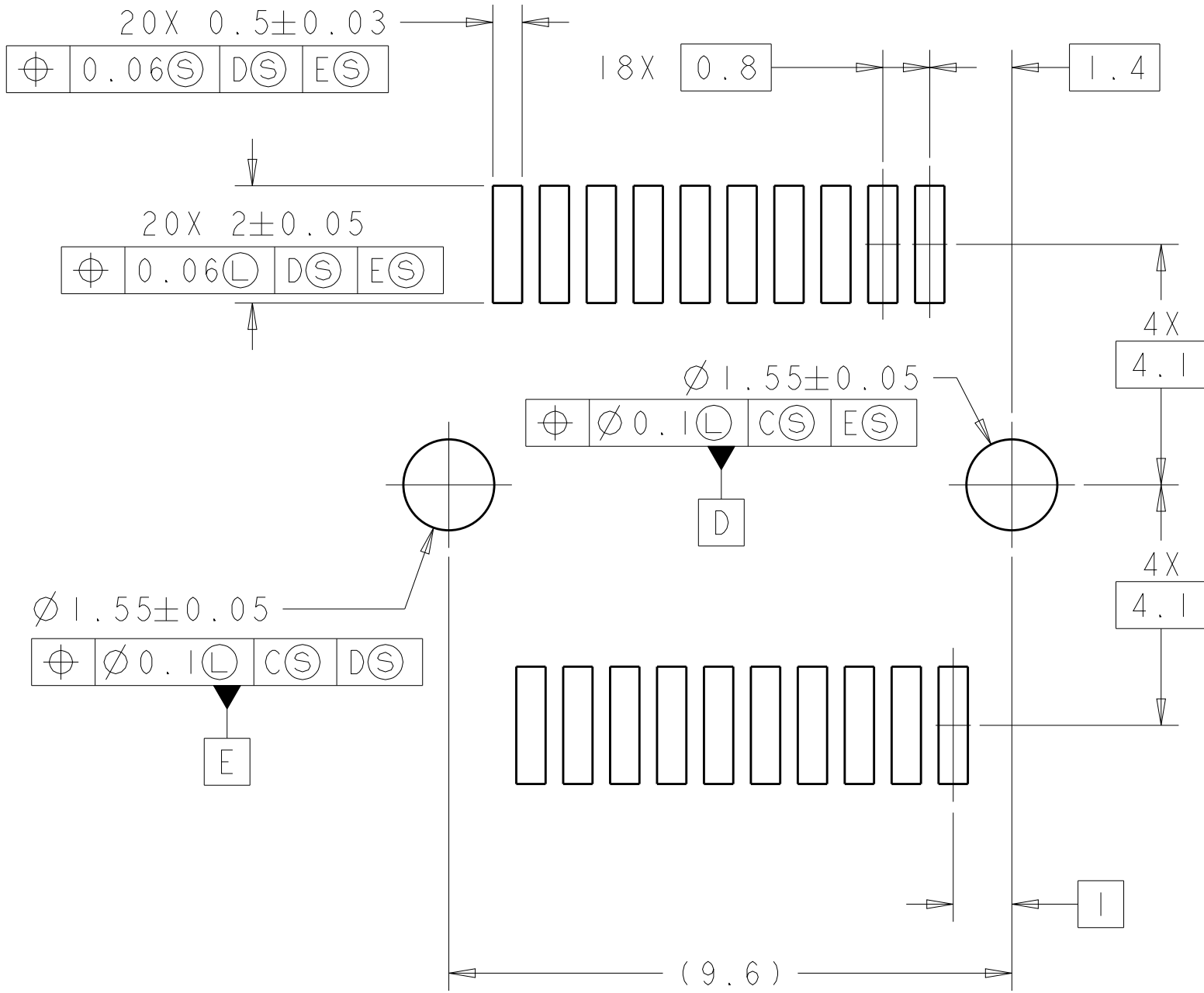


2198230-1
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

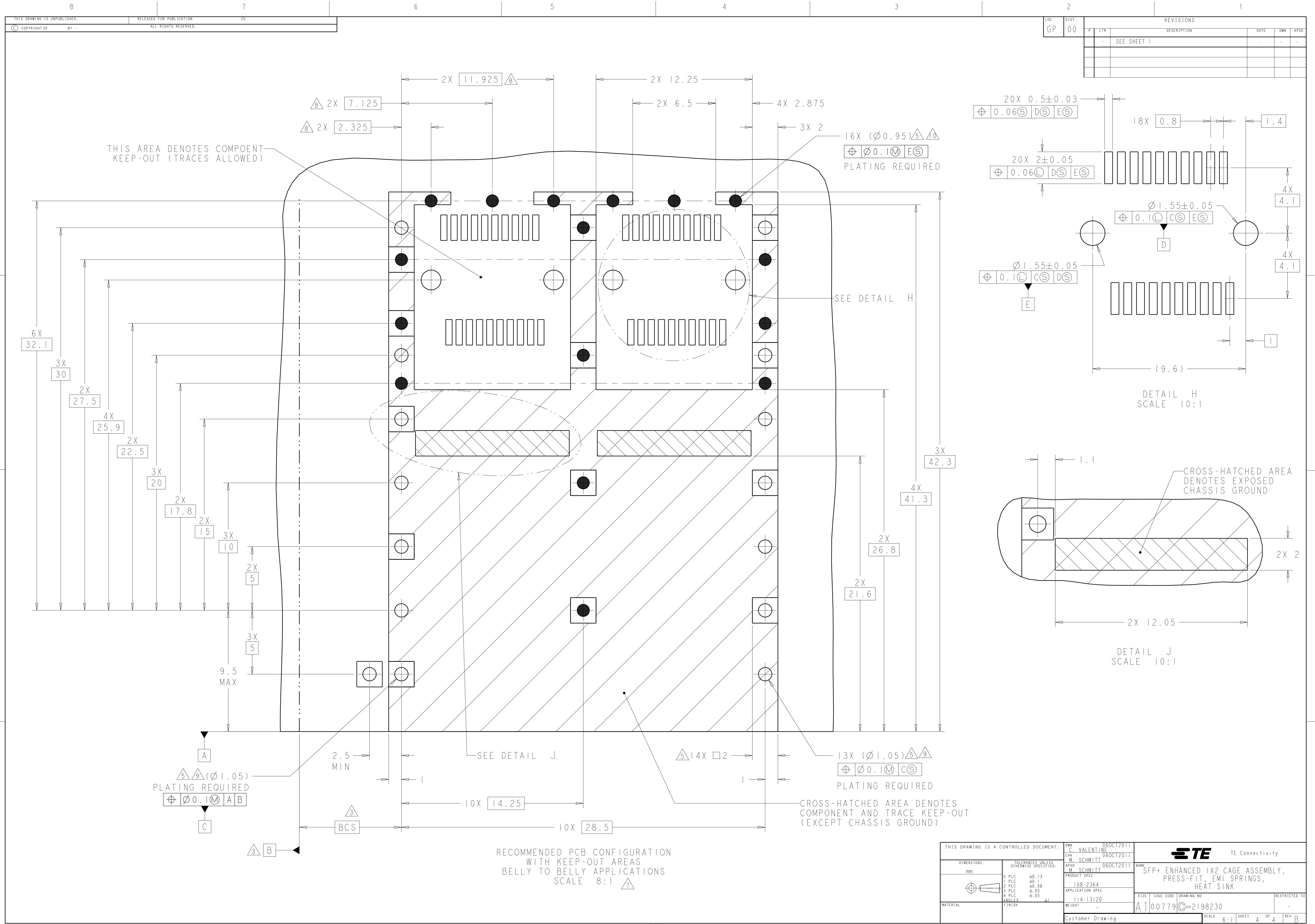
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE	06OCT2011	 TE Connectivity	
DIMENSIONS:		CHK M. SCHMITT	06OCT2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. SCHMITT	06OCT2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK	
	0 PLC ±0.13	PRODUCT SPEC		SIZE	
	1 PLC ±0.1	108-2364		CAGE CODE	
	2 PLC ±0.08	APPLICATION SPEC		DRAWING NO	
	3 PLC ±0.05	114-13120		RESTRICTED TO	
MATERIAL	ANGLES ±0.5	WEIGHT		A100779	
	FINISH	Customer Drawing		REV B	
				SCALE 6:1 SHEET 2 OF 4	



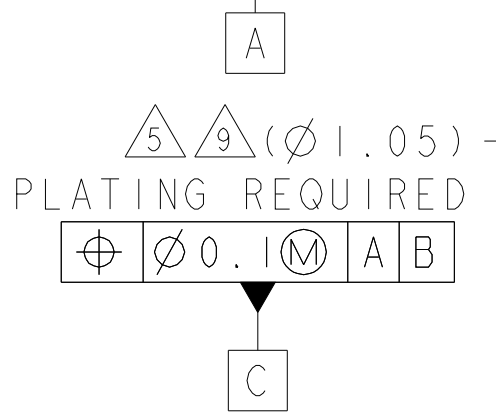
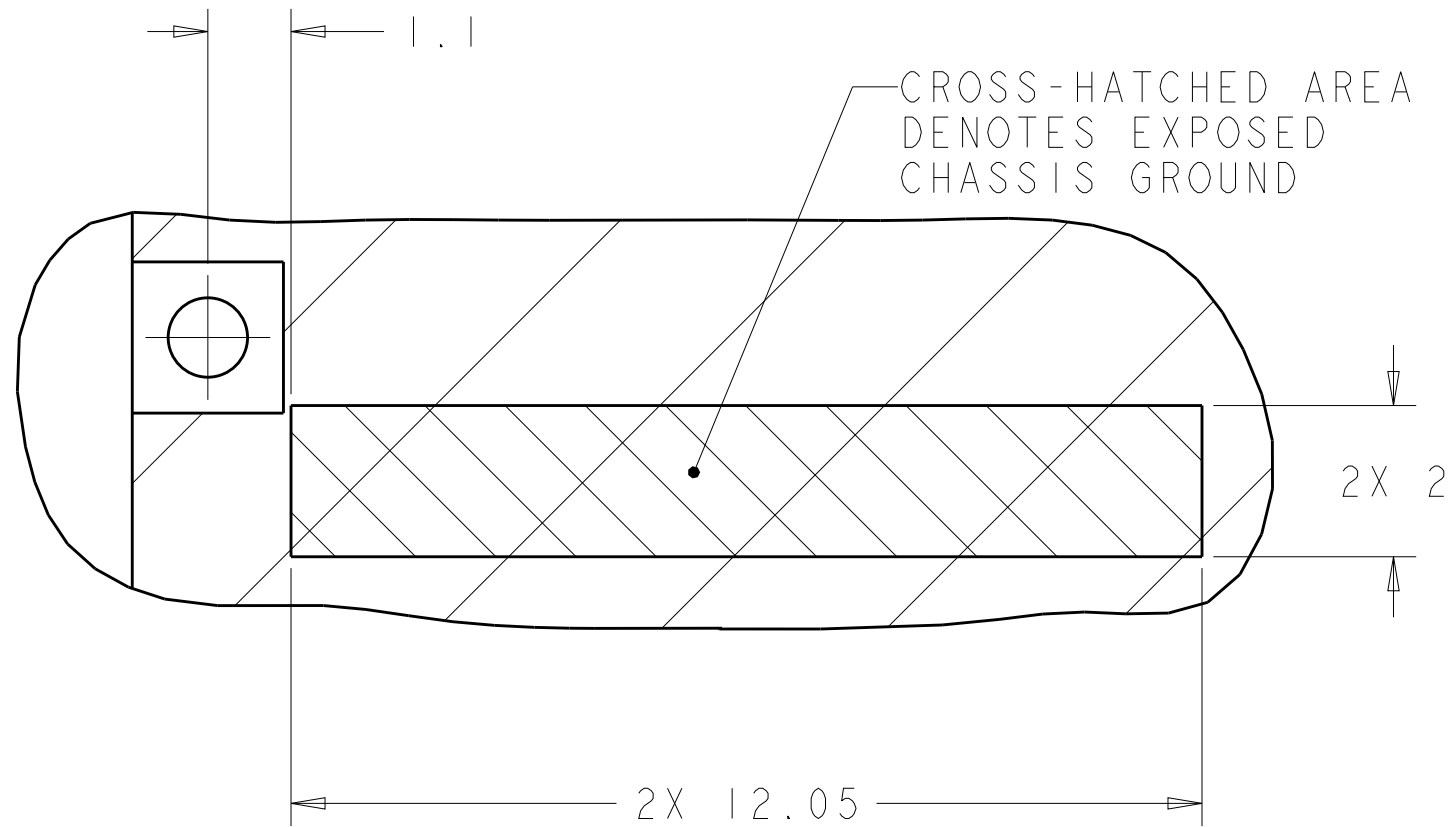
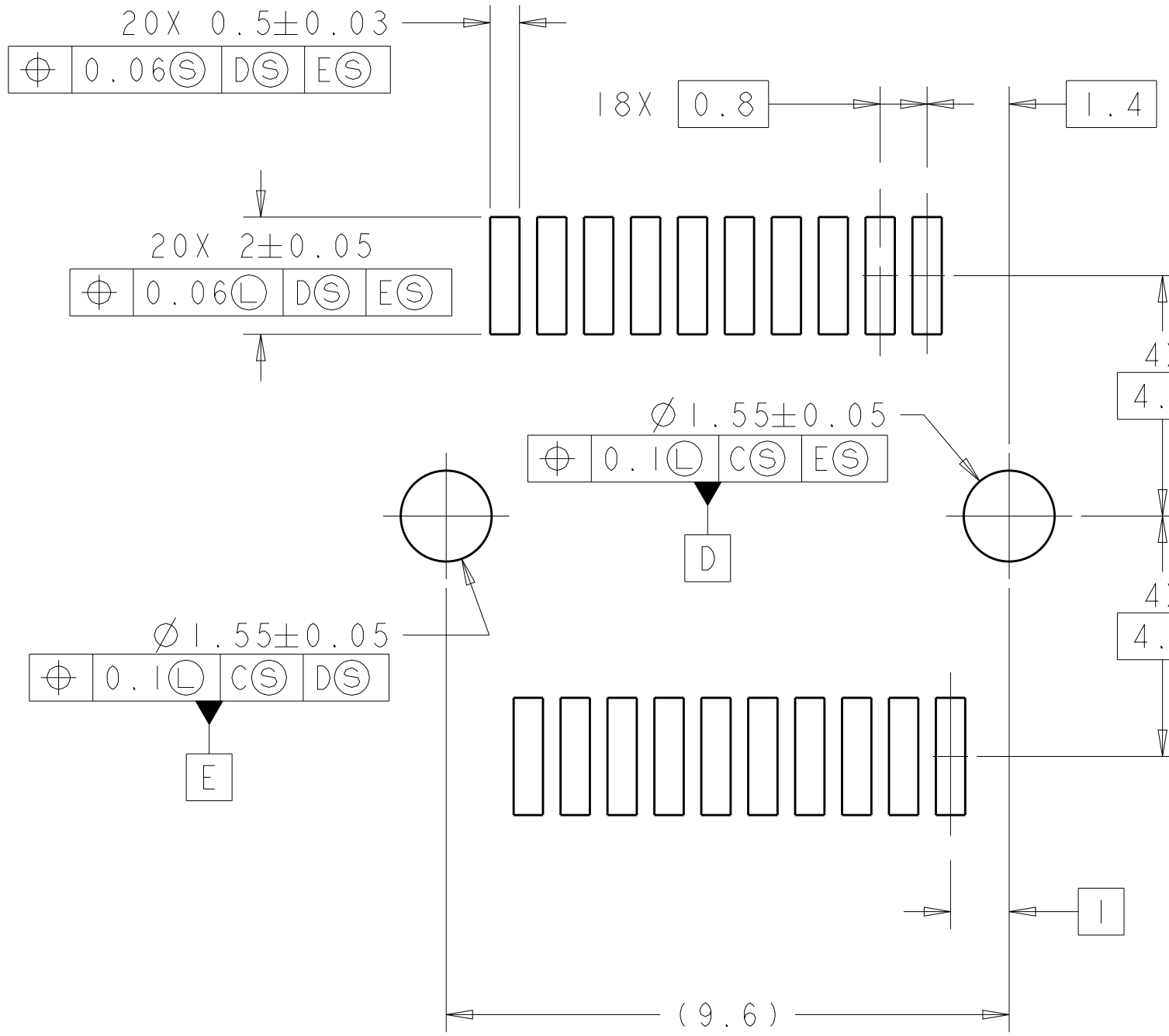
LOC		DIST		REVISONS			
GP		00		P	LTR	DESCRIPTION	DATE
						SEE SHEET 1	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 06OCT2011	TE Connectivity	
DIMENSIONS: mm		CHK M. SCHMITT 06OCT2011		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W. SCHMITT 06OCT2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK	
0 PLC ±0.13		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
1 PLC ±0.1		108-2364	A100779C=2198230	
2 PLC ±0.08		APPLICATION SPEC	RESTRICTED TO	
3 PLC ±0.05		114-13120	-	
4 PLC ±0.05		WEIGHT	-	
ANGLES ±1		Customer Drawing	SCALE 6:1 SHEET 3 OF 4 REV B	



LOC		DIST		REVISONS			
GP		00		P	LTR	DESCRIPTION	DATE
						SEE SHEET 1	



RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK M. SCHMITT APVD M. SCHMITT	06OCT2011 06OCT2011 06OCT2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2364	
MATERIAL		FINISH		APPLICATION SPEC 114-13120	
				RESTRICTED TO A100779C=2198230	
				Customer Drawing	
				SCALE 6:1 SHEET 4 OF 4 REV B	