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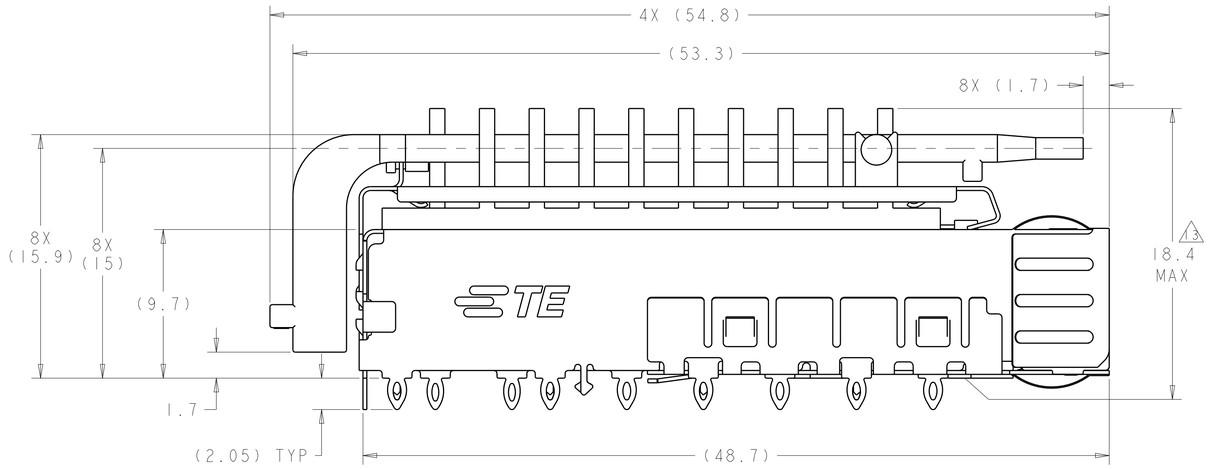
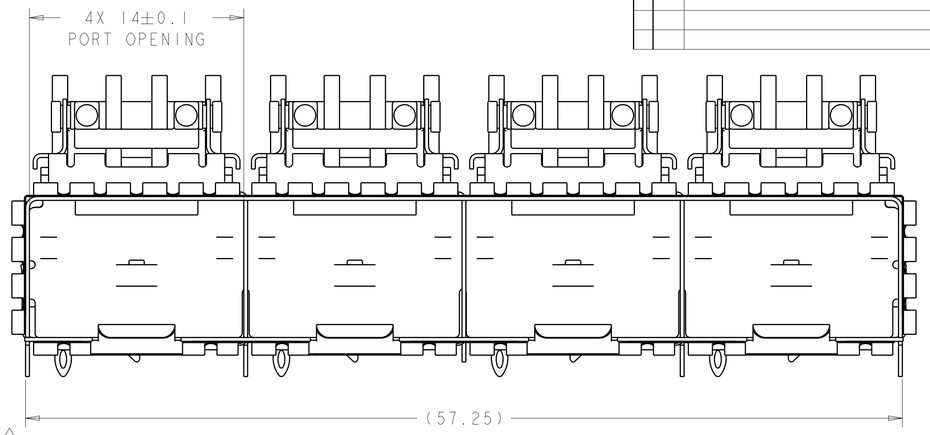
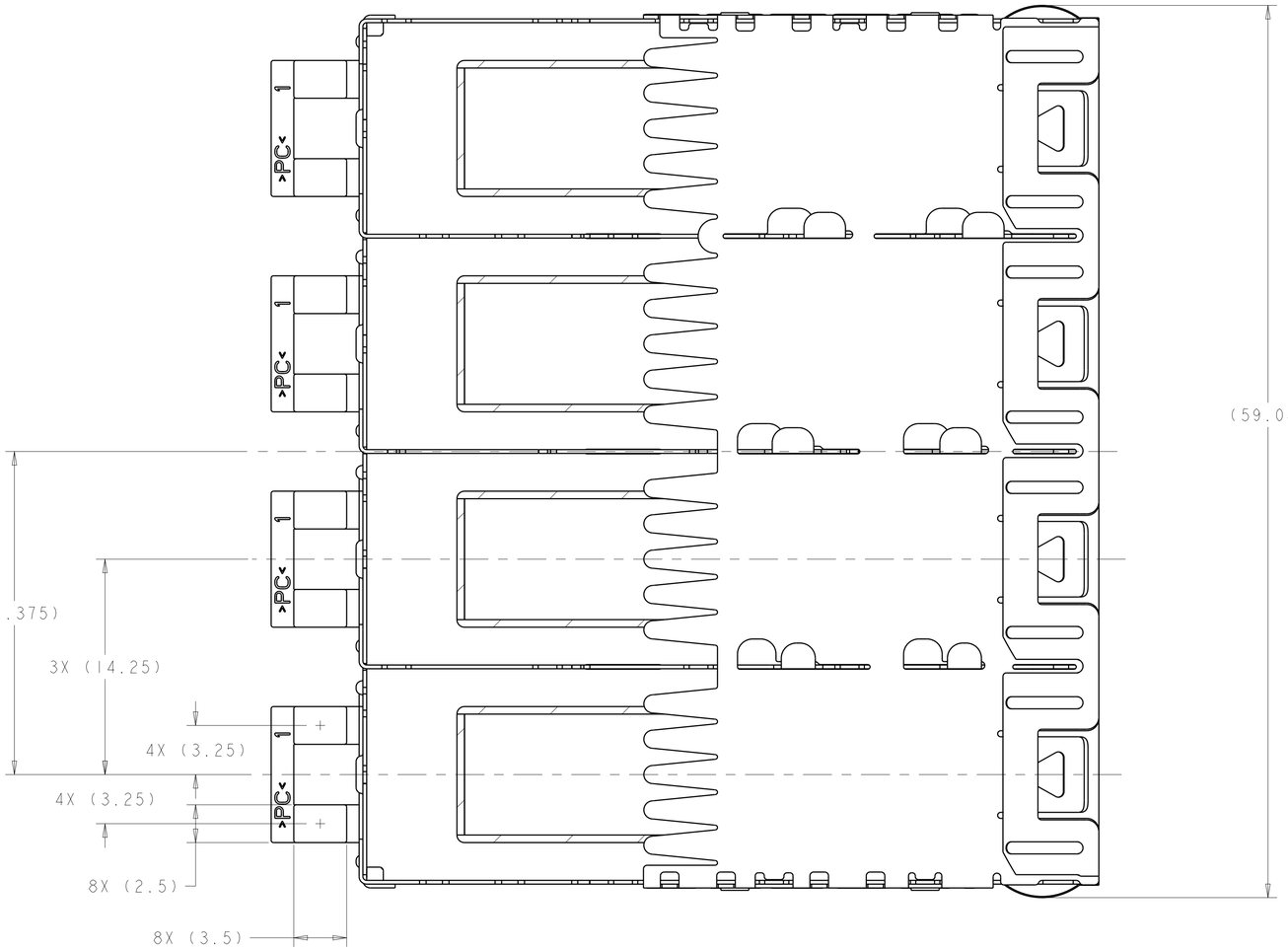
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO-12-013192	11OCT2012	BMM	MRS







1. MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
HEATSINK/LIGHTPIPE CLIP: STAINLESS STEEL
LIGHT PIPE: 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: ELECTROLESS NICKEL
HEATSINK/LIGHTPIPE 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.

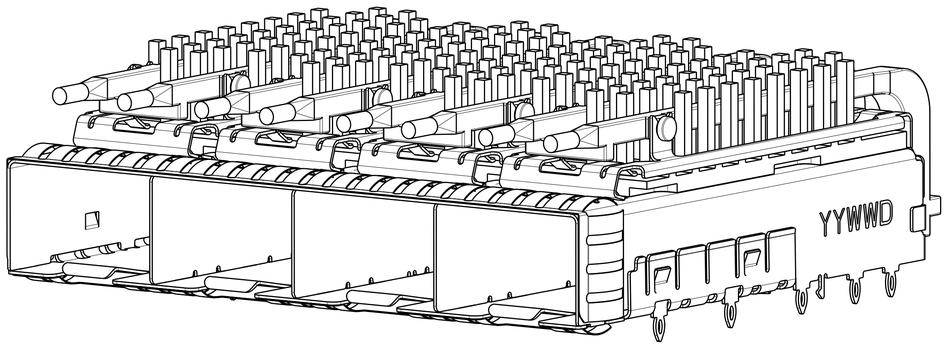
10. MINIMUM PC BOARD THICKNESS:
SINGLE SIDED = 1.50mm
DOUBLE SIDED = 2.25mm

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 FROM FACTOR FOR SFP+ GANGED CAGES.

13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE.

14. PACKAGED AS A COMPLETE ASSEMBLY.



2149539-1
FINISHED ASSEMBLY
SCALE 4:1

NETWORKING, SHORT	2149539-1
DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

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°0'

MATERIAL 1 FINISH 2

DWN	M. SCHMITT	11AUG2010
CHK	M. SCHMITT	11AUG2010
APVD	B. WERTZ	11AUG2010

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

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2149539	-

Customer Drawing | SCALE 5:1 | SHEET 1 OF 4 | REV A

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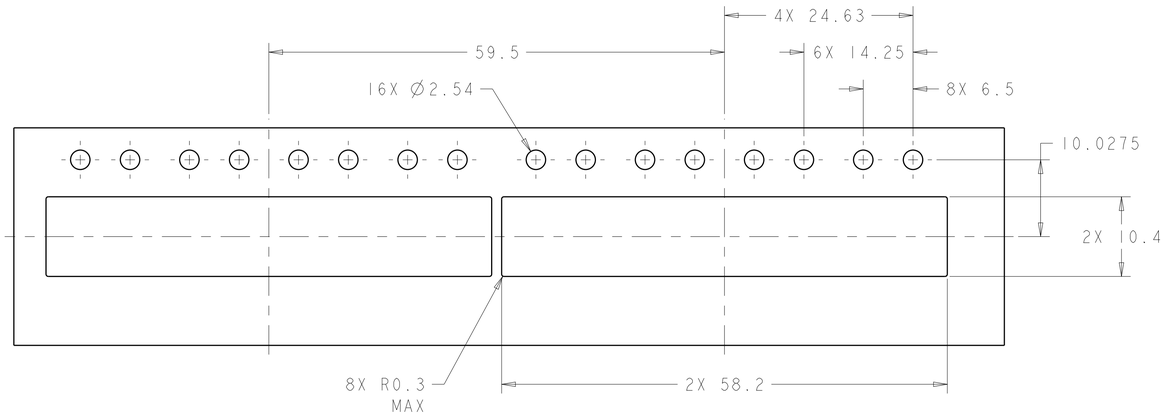
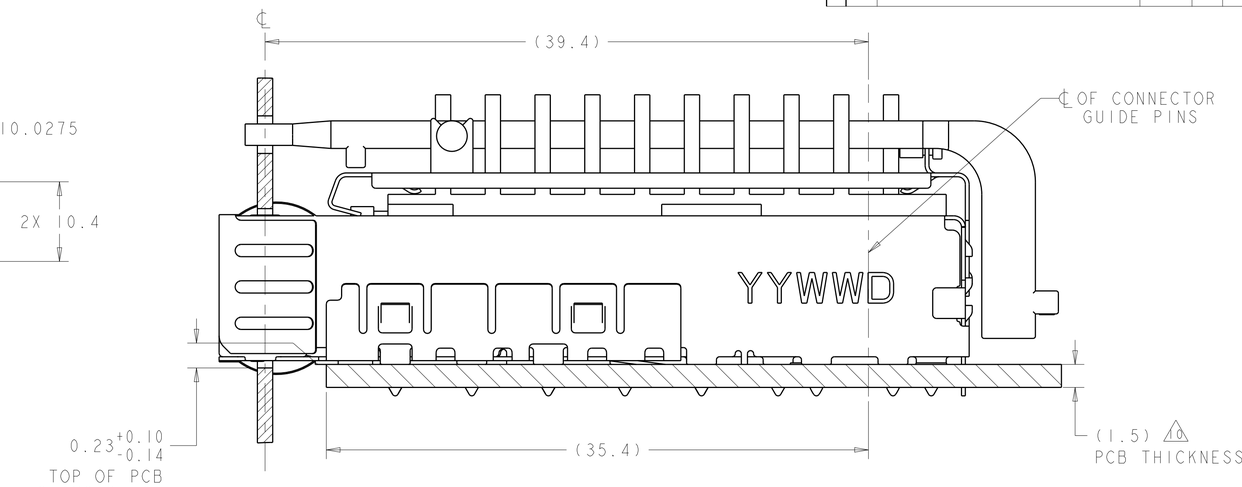
LOC	DIST
GP	00

REVISIONS

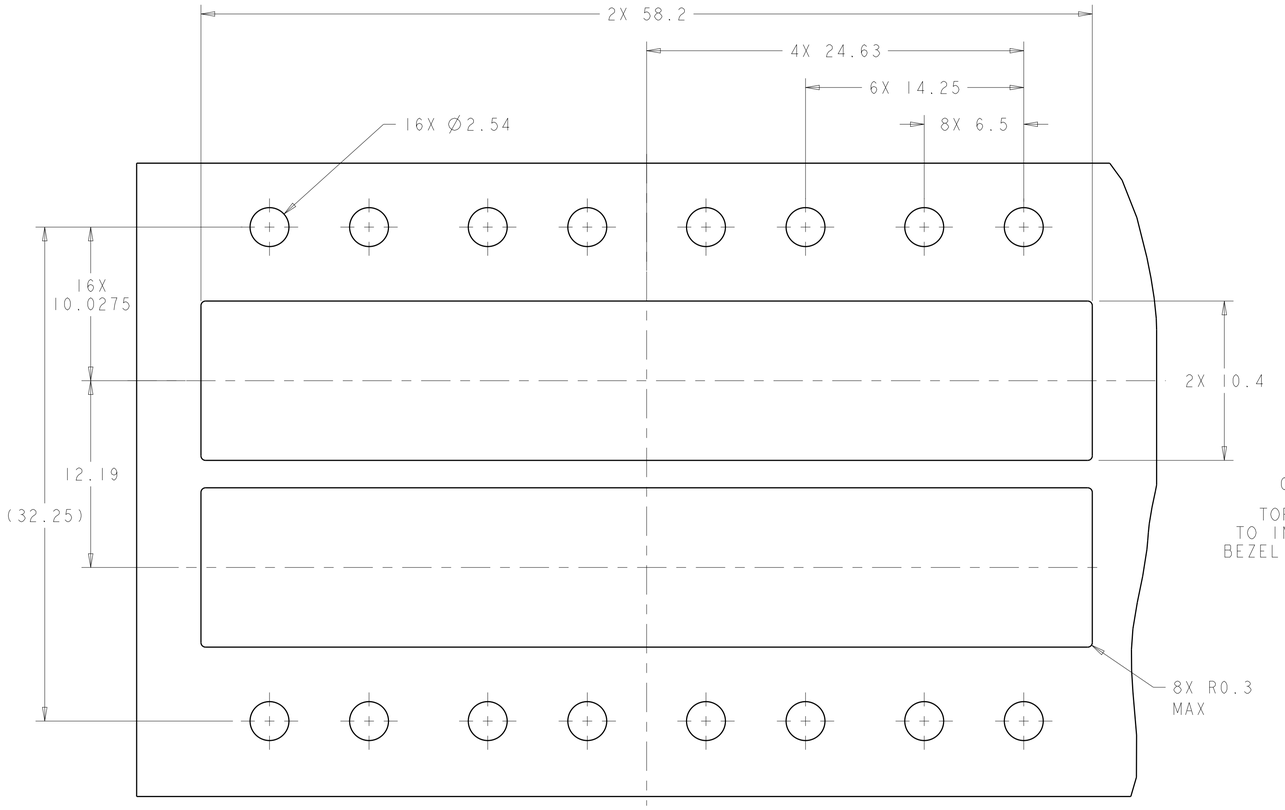
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



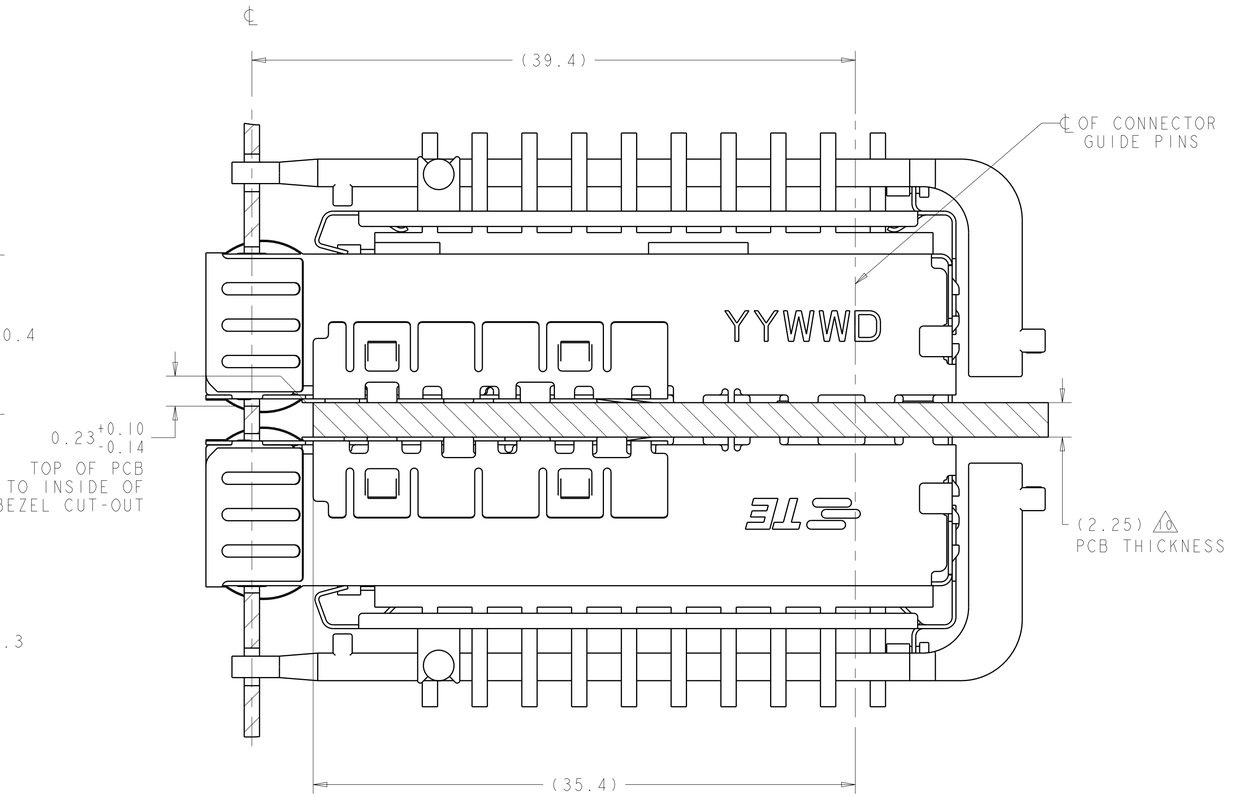
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 5:2



2149539-1
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL



RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS



2149539-1
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.

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°0'

MATERIAL - -
FINISH - -

DWN M SCHMITT 11AUG2010
CHK M SCHMITT 11AUG2010
APVD B WERTZ 11AUG2010
PRODUCT SPEC 108-2364
APPLICATION SPEC 114-13120
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2149539	-

Customer Drawing | SCALE 5:1 | SHEET 2 OF 4 | REV A

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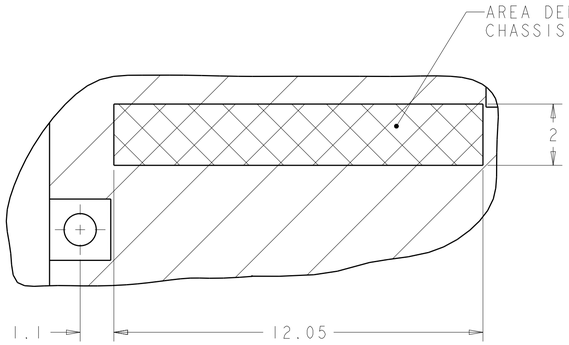
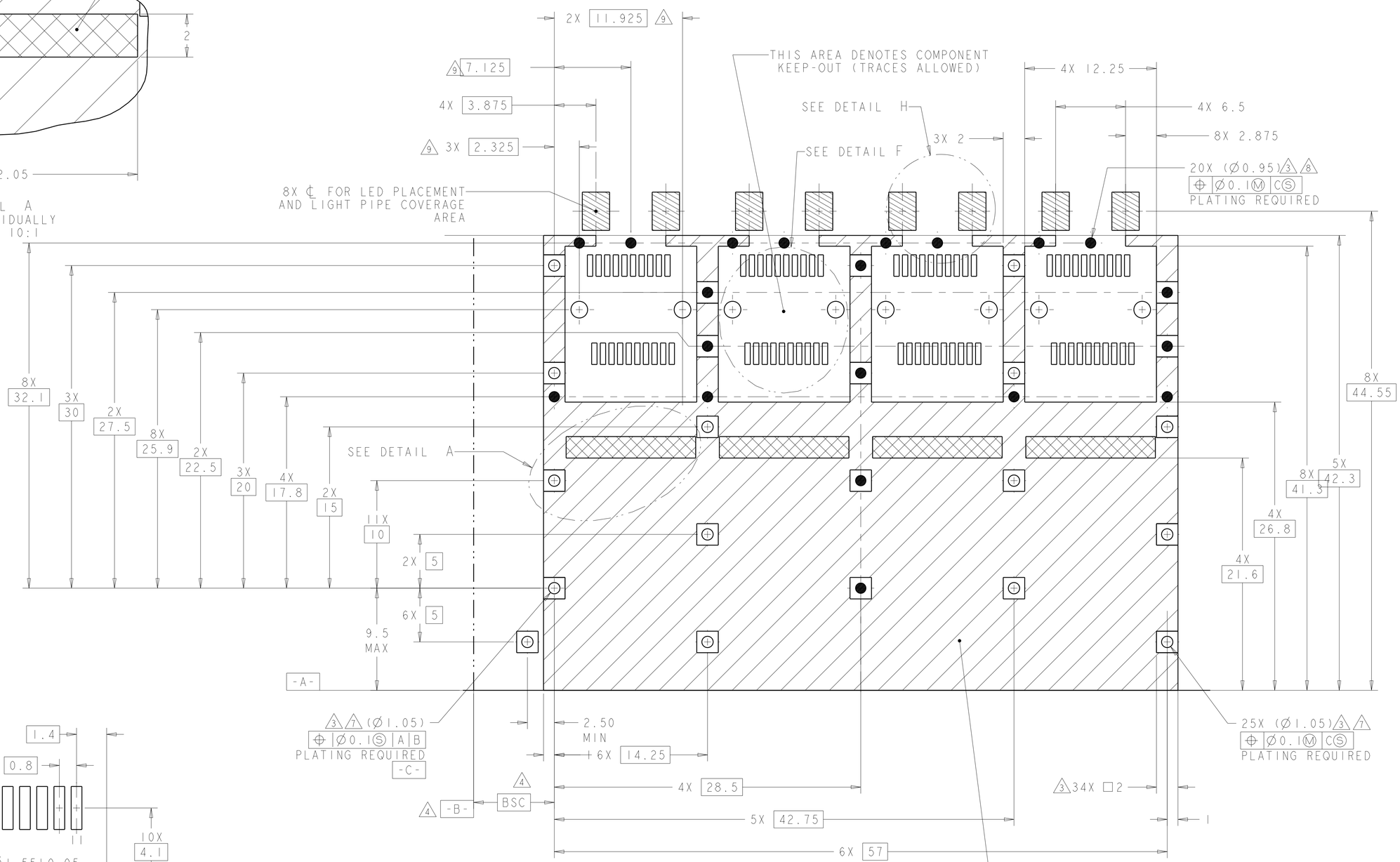
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

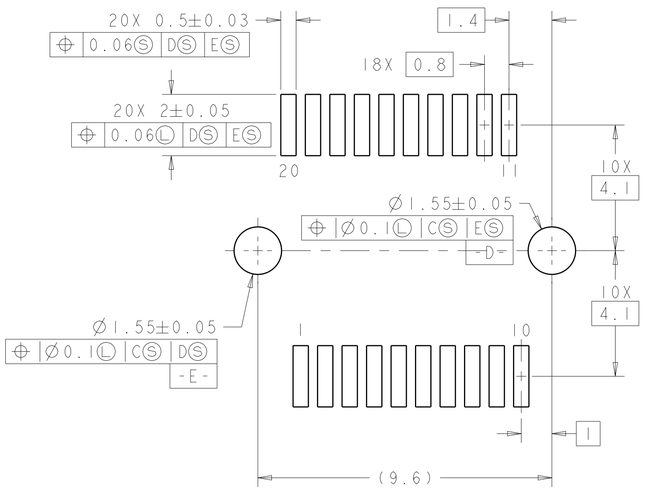


DETAIL A
4X INDIVIDUALLY
SCALE 10:1

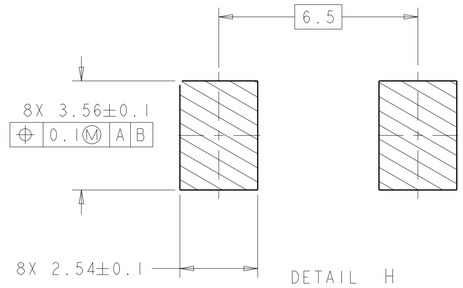


RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
SINGLE SIDED APPLICATIONS 10
SCALE 5:1

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



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



DETAIL H
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN M. SCHMITT 11AUG2010	TE Connectivity	
DIMENSIONS: mm	CHK M. SCHMITT 11AUG2010	NAME	SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHT PIPES
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° 0'	APVD B. WERTZ 11AUG2010	PRODUCT SPEC 108-2364	
		APPLICATION SPEC 114-13120	
MATERIAL -	FINISH -	WEIGHT -	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-2149539 · RESTRICTED TO -
		Customer Drawing	SCALE 5:1 · SHEET 3 OF 4 · REV A

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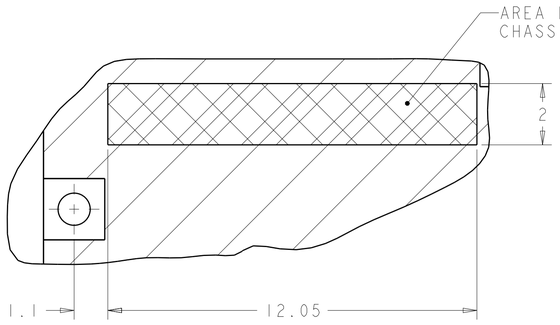
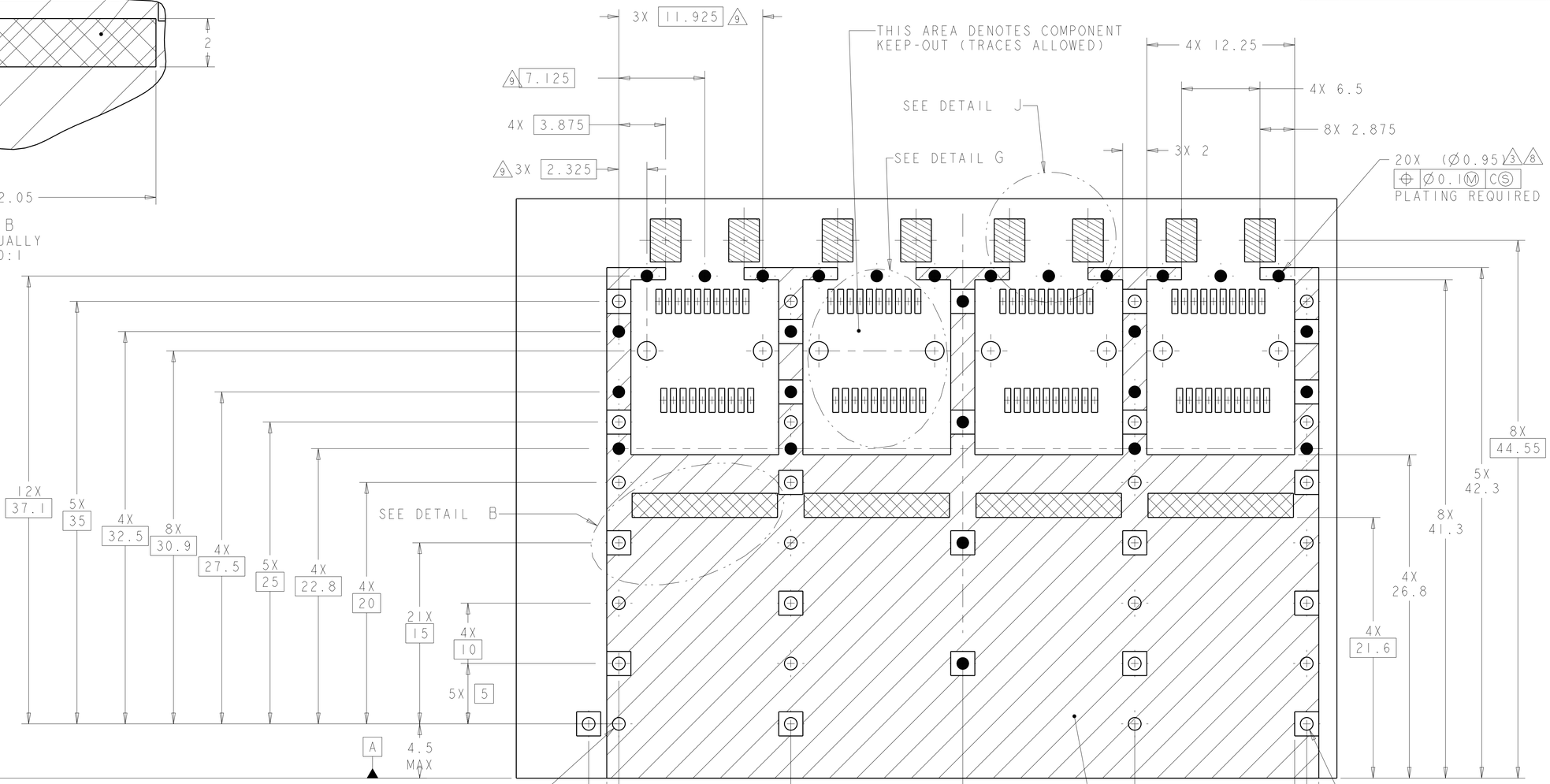
LOC	DIST
GP	00

REVISIONS

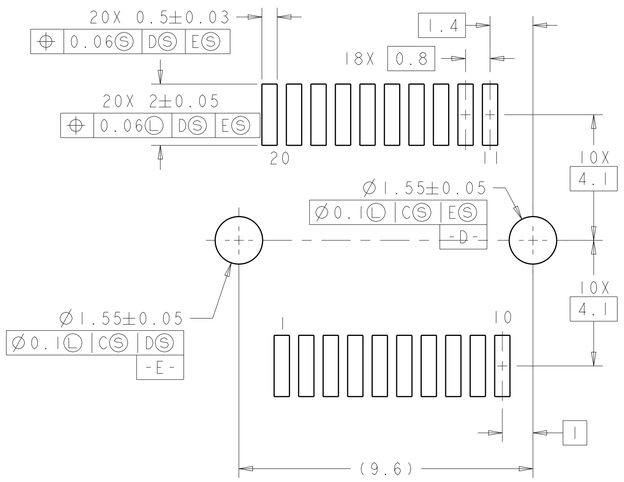
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



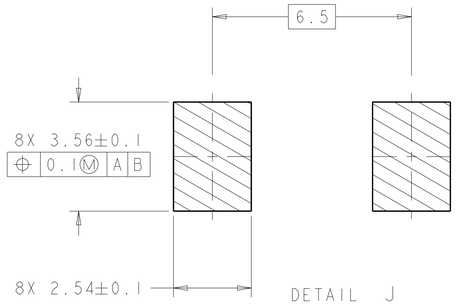
DETAIL B
4X INDIVIDUALLY
SCALE 10:1



RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS 10
SCALE 5:1



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



DETAIL J
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

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°0'

MATERIAL -
FINISH -

DWN M. SCHMITT 11AUG2010
CHK M. SCHMITT 11AUG2010
APVD B. WERTZ 11AUG2010
PRODUCT SPEC 108-2364
APPLICATION SPEC 114-13120
WEIGHT -

TE Connectivity

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

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2149539 | RESTRICTED TO -

Customer Drawing | SCALE 5:1 | SHEET 4 OF 4 | REV A