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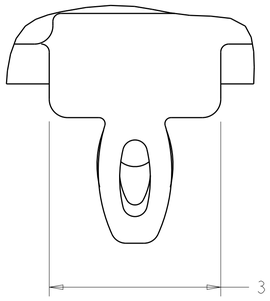
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	4	UPDATED VIEWS	30MAR2011	AL	CW
	5	REVISED PER ECO-12-003841	14MAR2012	TY	KS
	6	REVISED PER ECO-12-005533	05APR2012	JY	AC
	A	REVISED PER ECO-15-000148	10APR2015	RG	MC



DETAIL S (12)
SCALE 20:1

(1) CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRING MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY

(2) PITCH BETWEEN PORTS OF ONE 1X6 CAGE ASSEMBLY.

(3) SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.

(4) REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

(5) DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

(6) DIMENSION F IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD,
SINGLE SIDED PC BOARD MINIMUM THICKNESS = 1.45mm
DOUBLE SIDED PC BOARD MINIMUM THICKNESS = 2.2mm PER QSFP.

7. HEAT SINKS AND HEAT SINK CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.

(8) DATUM A IS TOP SURFACE OF PC BOARD.

(9) DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.

(10) UNPLATED THRU HOLE.

11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.

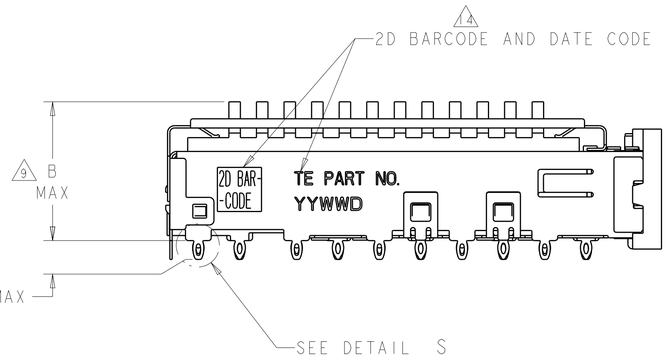
(12) SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.

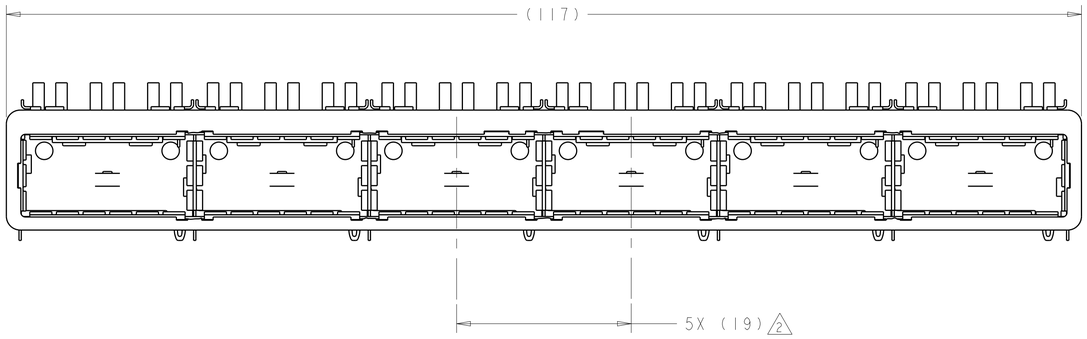
(13) BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.

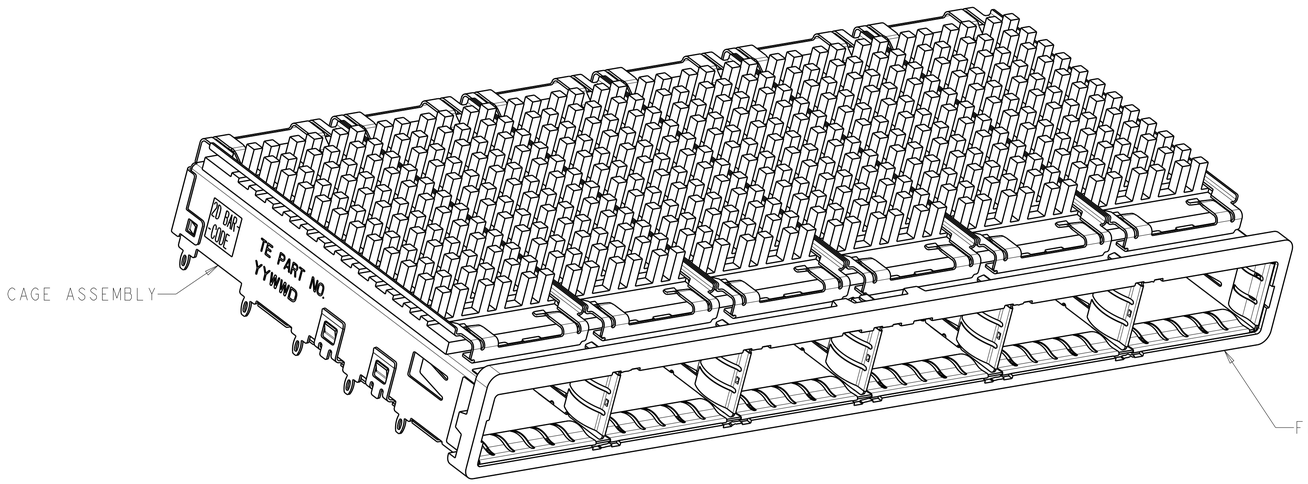
(14) 2D BARCODE AND DATE CODE (YYWWD) MARKED ON SIDE OF CAGE.

(15) REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.

(16) EMI SPRING FINISH: 2um MINIMUM TIN
FRONT FLANGE FINISH: 3um MINIMUM TIN OVER 1.27um MINIMUM NICKEL OVER 5.08um MINIMUM COPPER.
HEAT SINK FINISH: NICKEL







23.0	NETWORKING	2143330-3
16.0	SAN	2143330-2
13.7	PCI	2143330-1
B	HEAT SINK PROFILE	PART NUMBER

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - (1)
FINISH (16)

DWN C. VALENTINE 17MAR2010
CHK J. PETERSON 17MAR2010
APVD J. PETERSON 17MAR2010
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2143330	-

Customer Drawing

SCALE	SHEET	OF	REV
3:1	1	5	A

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LOC	DIST
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REVISIONS

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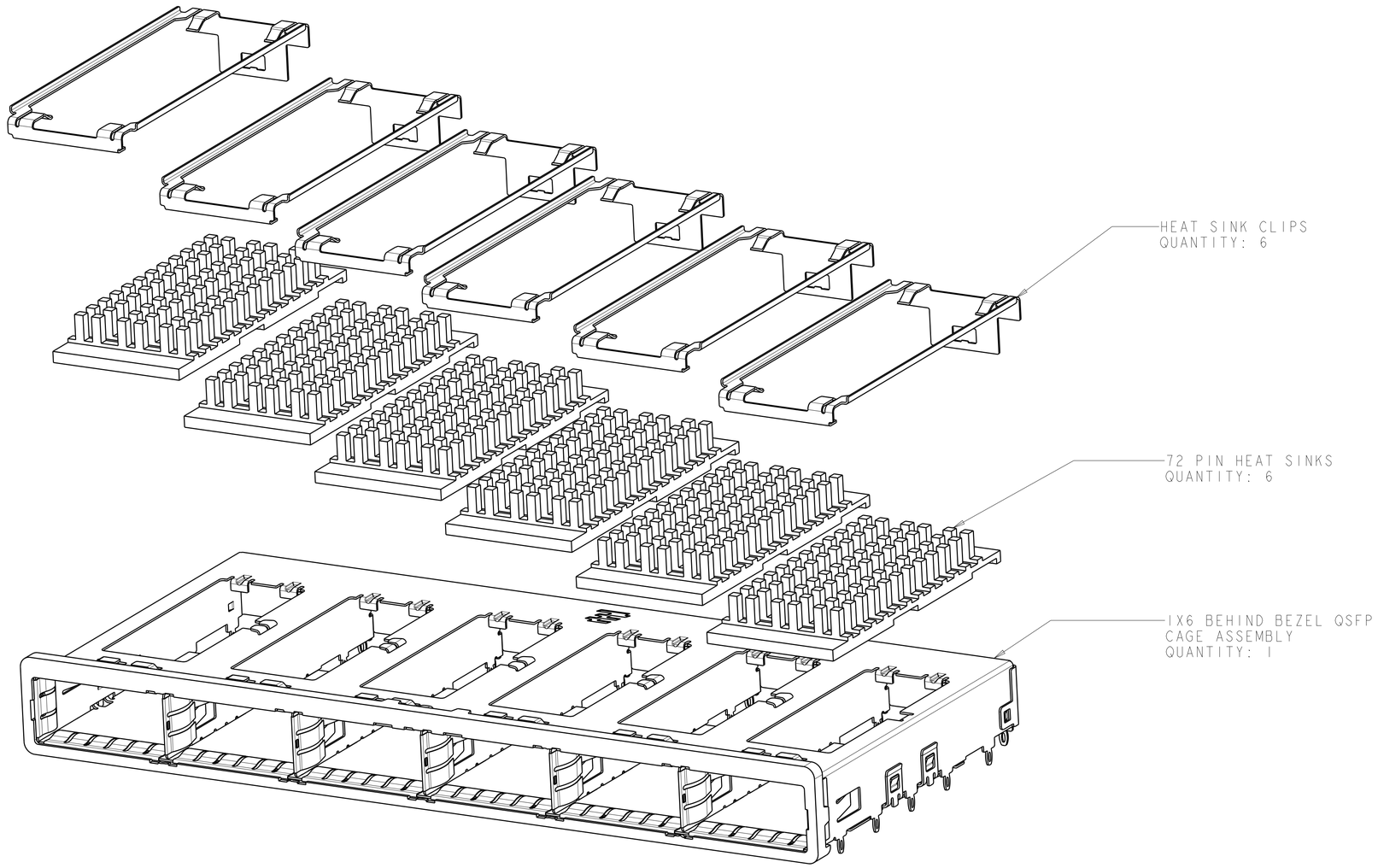
	-	SEE SHEET 1	-	-	-



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4 PLC ±-
ANGLES ±-

MATERIAL -
-

FINISH -
-

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WEIGHT -

TE Connectivity

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Customer Drawing

SCALE 3:1 SHEET 2 OF 5 REV A

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REVISIONS

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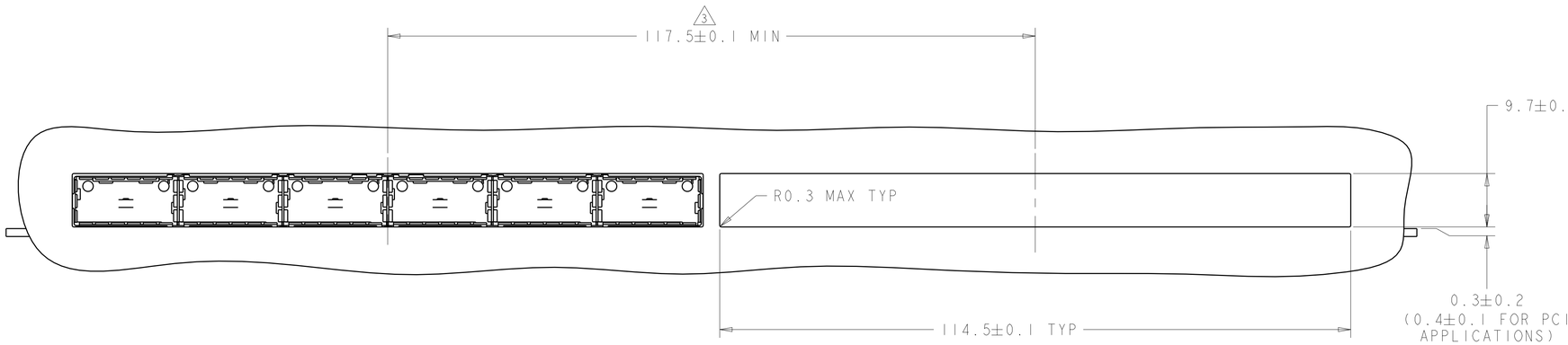
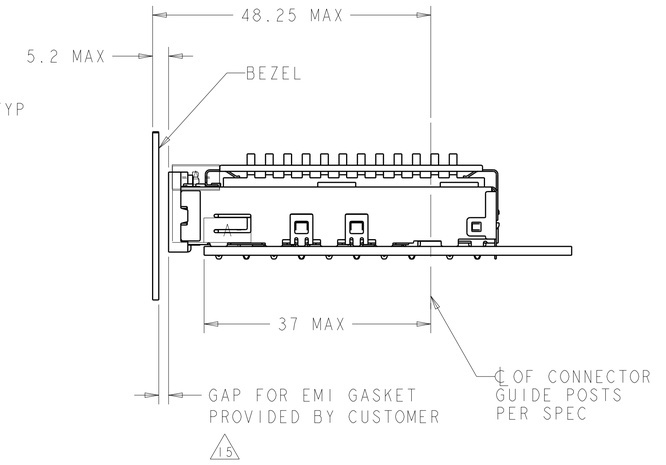
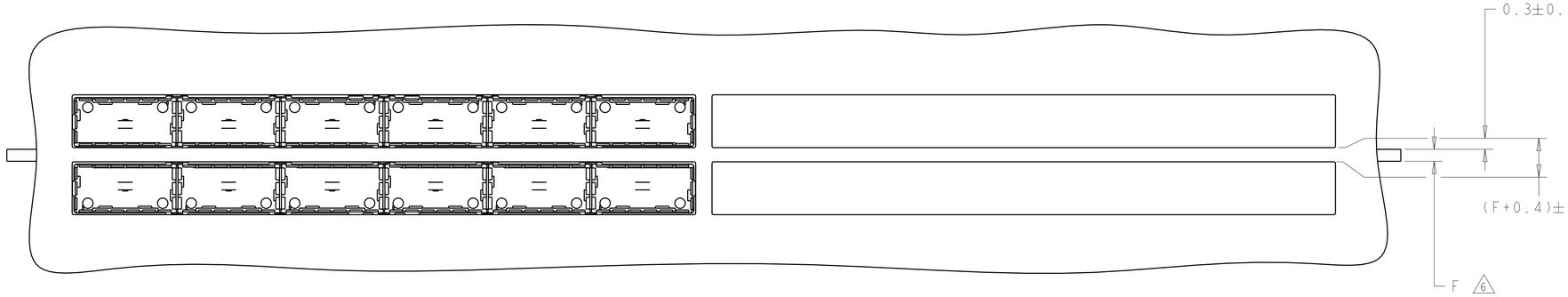
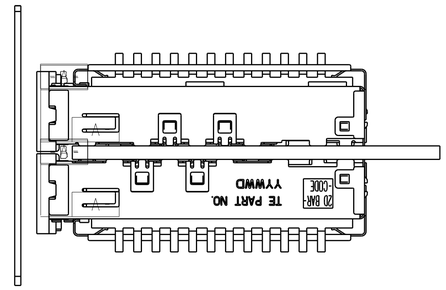




ONE SIDED CONFIGURATION
SCALE 2:1





BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 2:1

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DIMENSIONS: mm

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0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -
FINISH - -

DWN C. VALENTINE 17MAR2010
CHK J. PETERSON 17MAR2010
APVD J. PETERSON 17MAR2010
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
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SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2143330	-

Customer Drawing | SCALE 3:1 | SHEET 3 OF 5 | REV A

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LOC	DIST
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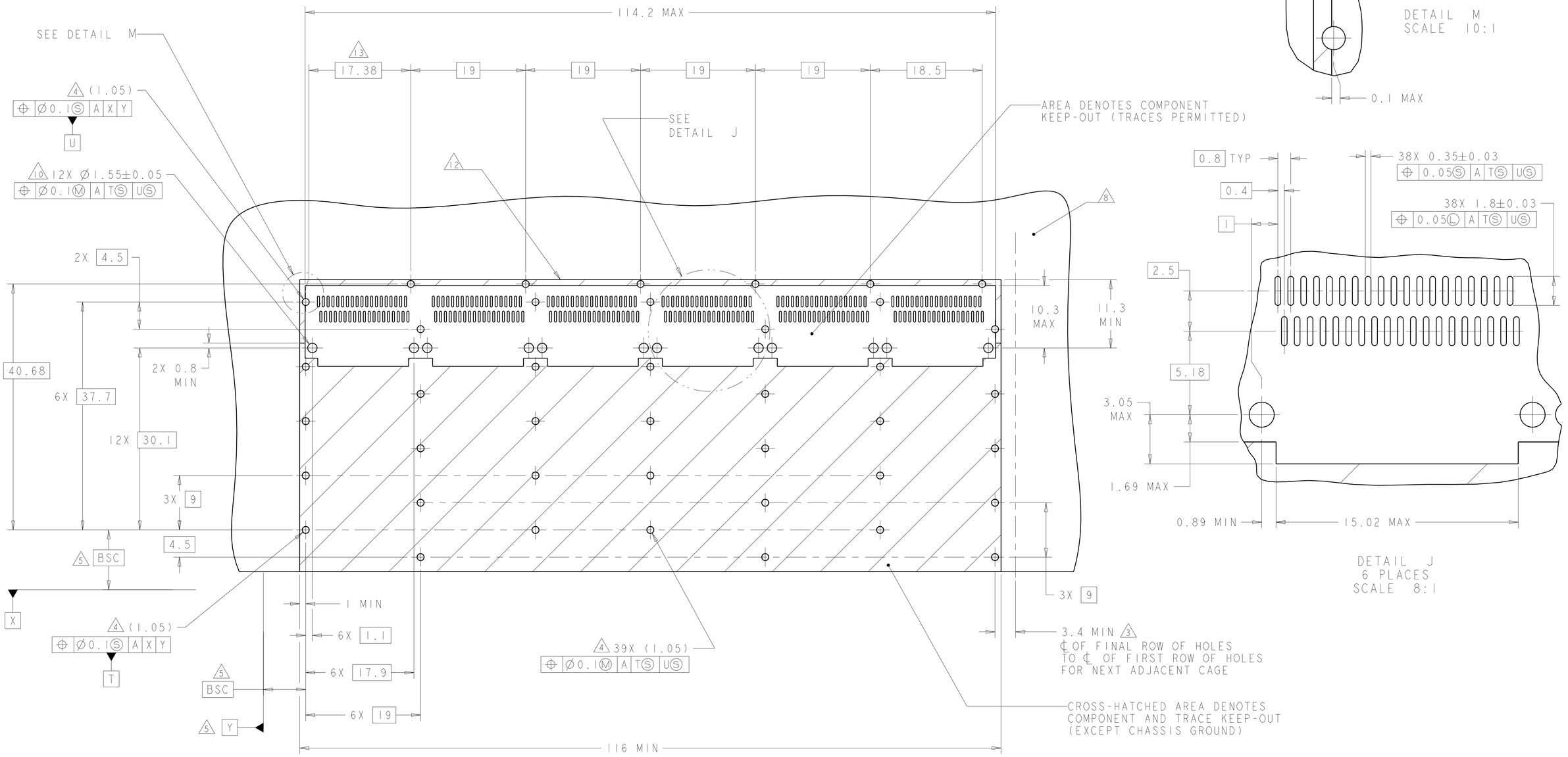
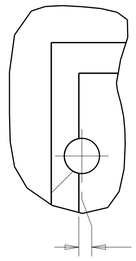
REVISIONS

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



RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 3:1



DETAIL M
SCALE 10:1

DETAIL J
6 PLACES
SCALE 8:1

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DIMENSIONS: mm

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0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL -
FINISH -

DWN C. VALENTINE 7MAR2010
CHK J. PETERSON 7MAR2010
APVD J. PETERSON 7MAR2010
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
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NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2143330	-

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

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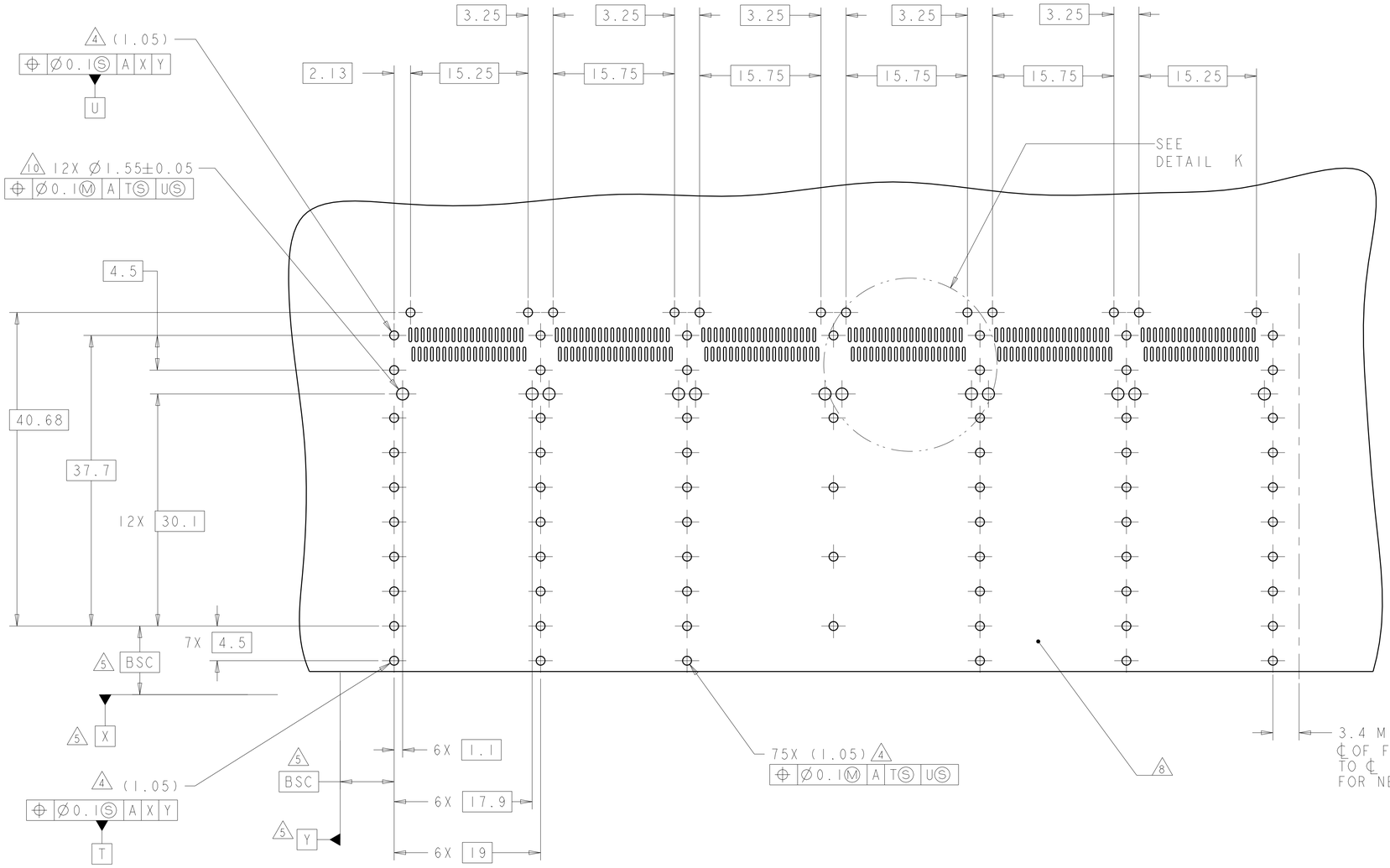
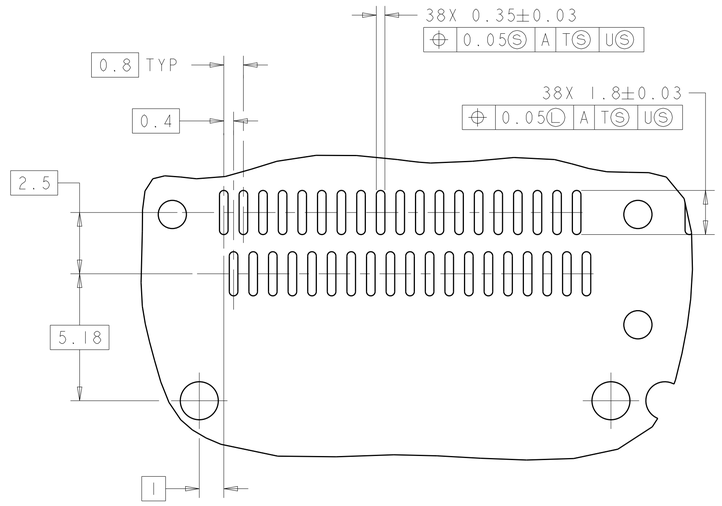
	-	SEE SHEET 1	-	-	-



RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT AND TRACE KEEP-OUTS
SCALE 3:1



DETAIL K
6 PLACES
SCALE 8:1

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0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -
FINISH - -

DWN C. VALENTINE 17MAR2010
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Customer Drawing | SCALE 4:1 | SHEET 5 OF 5 | REV A

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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- *Защиту от снятия компонента с производства.*
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