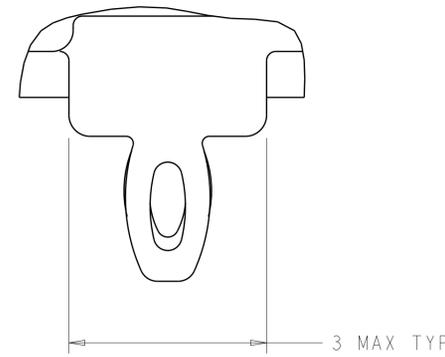


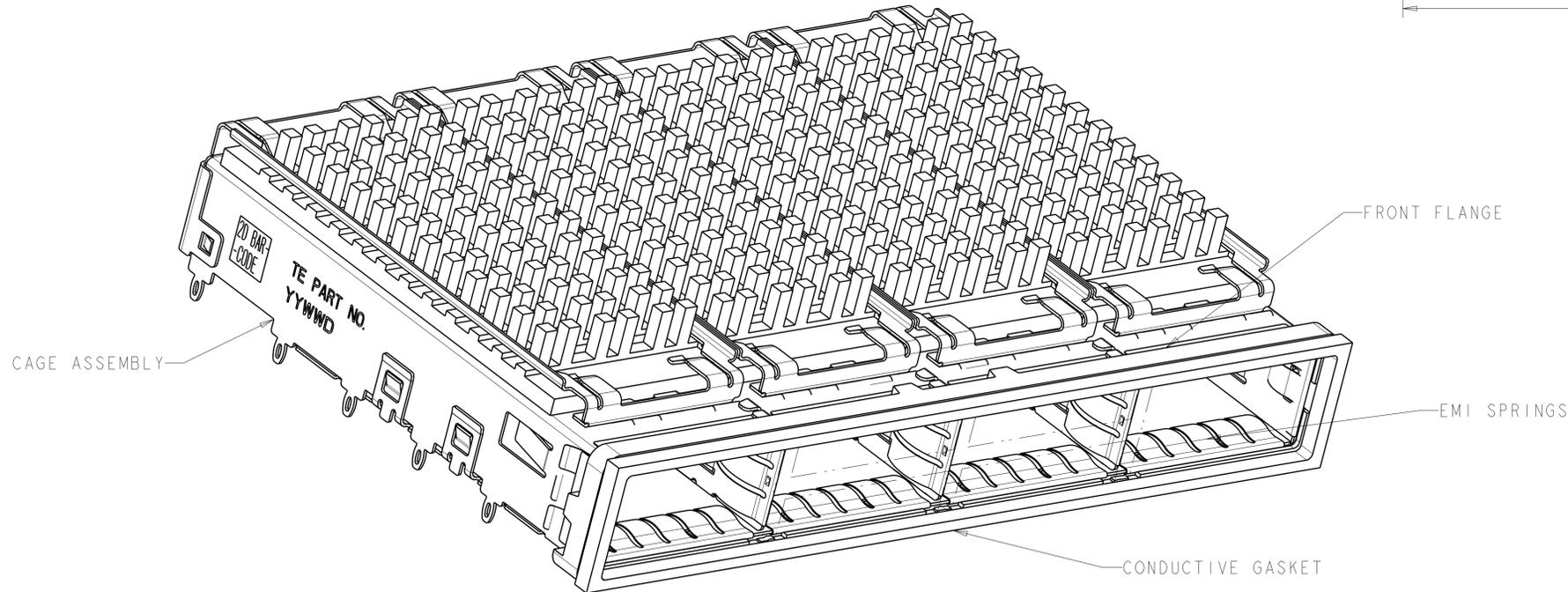
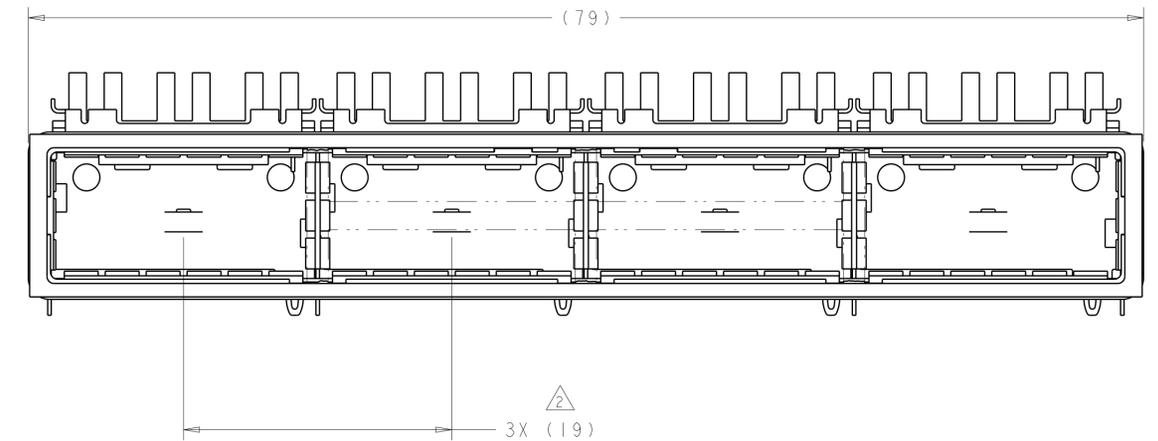
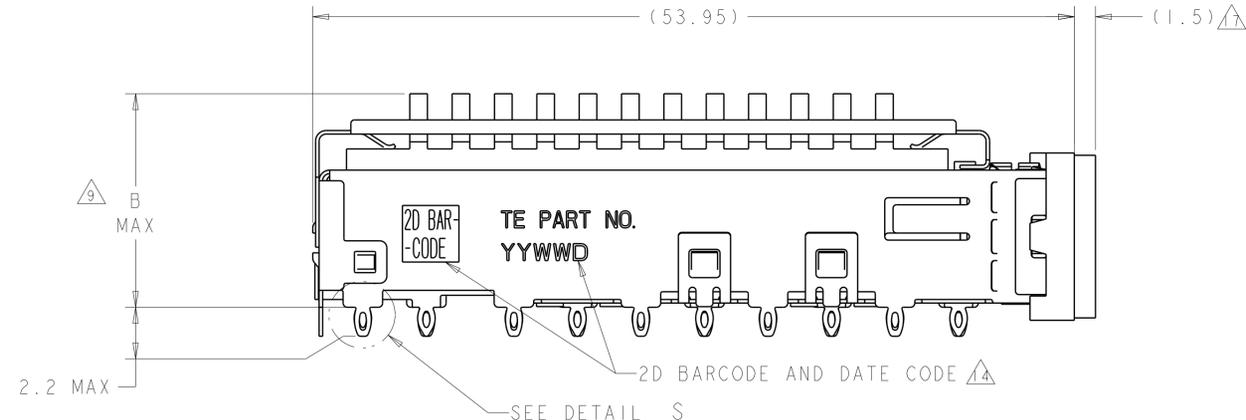
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		2		PRELIMINARY	13MAR2012	KS	AC
		3		UPDATE VIEW	18APR2012	KS	AC
		4		REVISED PER ECO-15-005721	4AUG2015	RG	SH



DETAIL S
 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
 LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
 CONDUCTIVE GASKET MATERIAL: BURRER FOAM
- 2 PITCH BETWEEN PORTS OF ONE 1X4 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 (YYWW) MARKED ON REAR OF CAGE.

- 15 REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 16 EMI SPRING FINISH: 2µm MINIMUM TIN
 FRONT FLANGE FINISH: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL
 OVER 5.08µm MINIMUM COPPER.
 HEAT SINK FINISH: NICKEL
- 17 RECOMMENDED GAP FOR GASKET SHOULD BE 0.6mm-1.1mm.

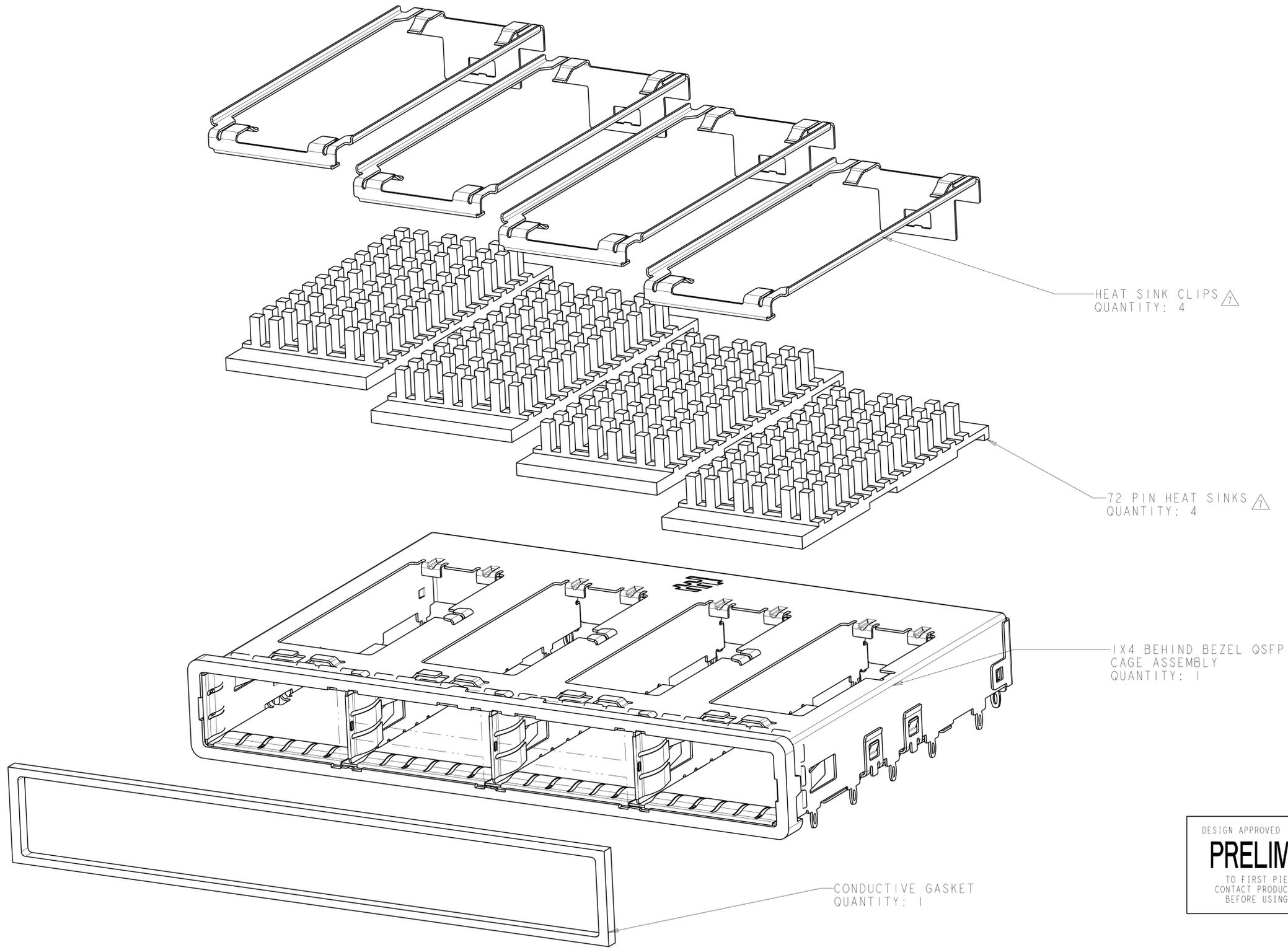


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 BEFORE USING THIS PRINT

23.0	NETWORKING	2170290-3
16.0	SAN	2170290-2
13.7	PCI	2170290-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: KINSEN SHU 29FEB2012	
DIMENSIONS: mm		CHK: DENNY ZHU 29FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY CAI 29FEB2012	PRELIMINARY 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ FOAM GASKET AND HEAT SINK, QSFP
0 PLC ±.1		PRODUCT SPEC 108-2286	
1 PLC ±0.1		APPLICATION SPEC 114-13218	SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO A100779C=2170290
2 PLC ±0.013		WEIGHT	
3 PLC ±0.001		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 5 REV 4
4 PLC ±0.001			
ANGLES ±.1			
FINISH			

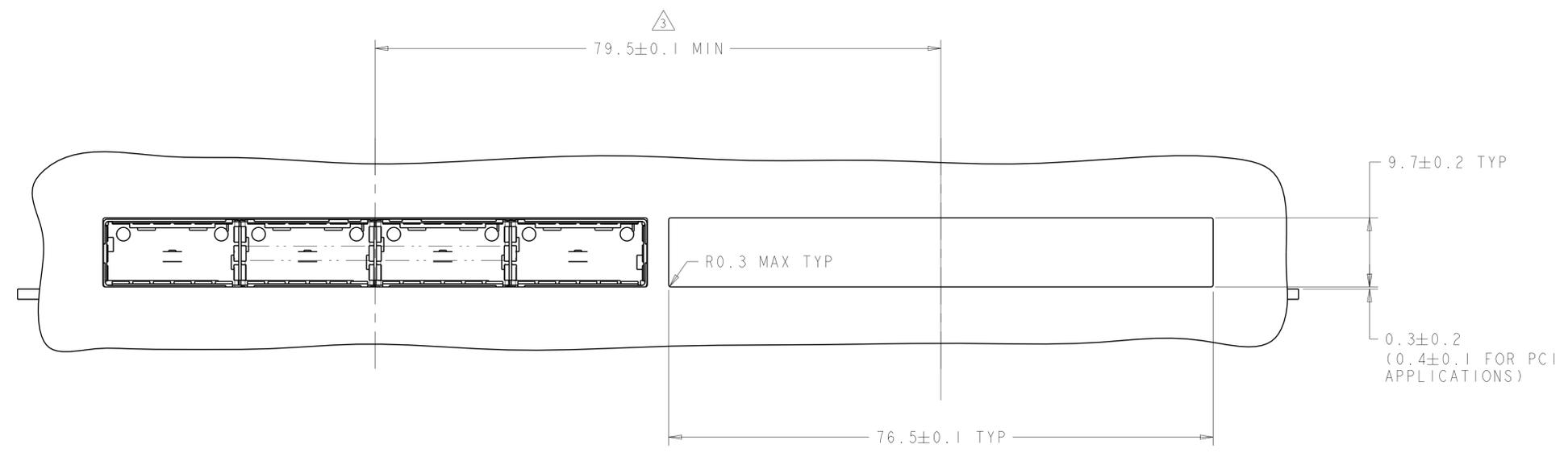
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P	LTN	DESCRIPTION	DATE	DMN	APVD
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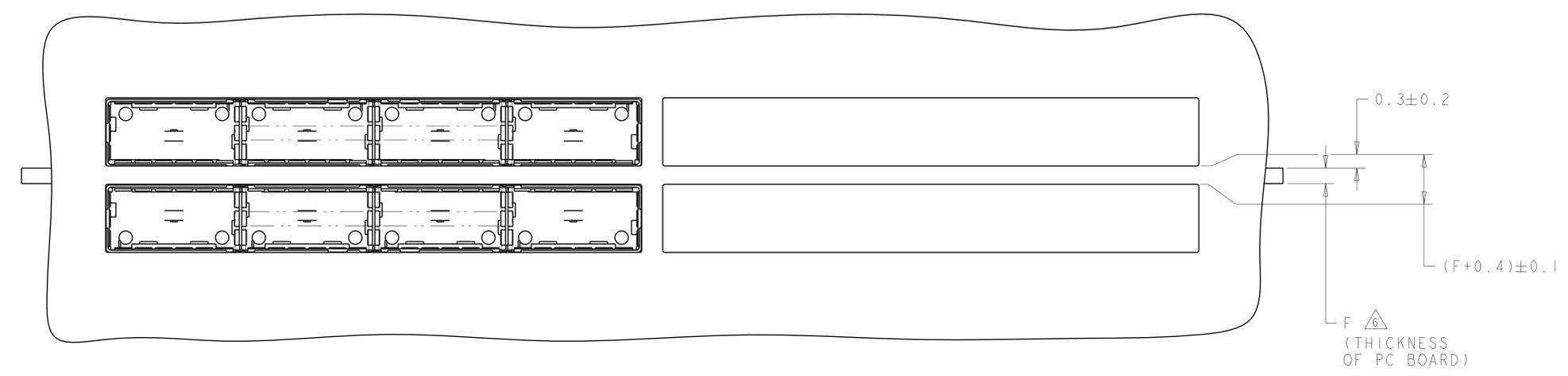
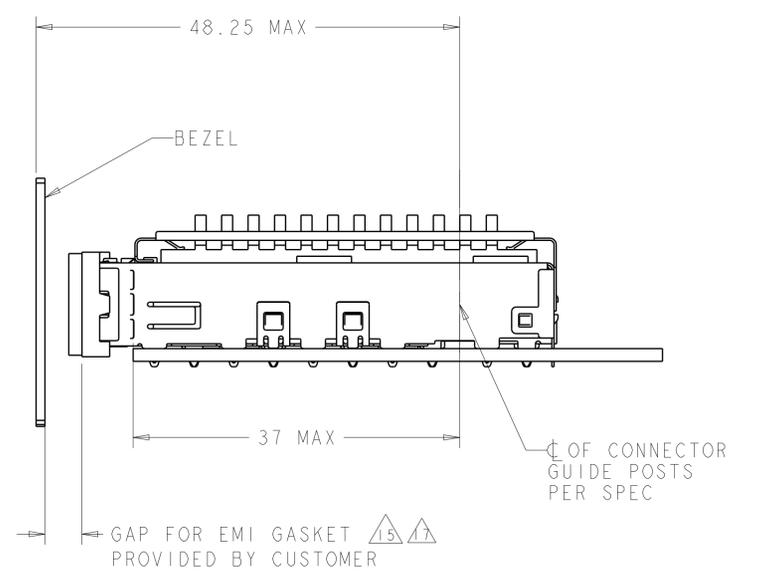
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN RINSEN_SUN 29FEB2012	TE Connectivity
DIMENSIONS:		CHK DENNY_ZHU 29FEB2012	
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEXY_CAI 29FEB2012	NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ FOAM GASKET AND HEAT SINK, QSFP
0 PLC	±	PRODUCT SPEC	SIZE A100779C=2170290
1 PLC	±0.1	108-2286	RESTRICTED TO
2 PLC	±0.1	APPLICATION SPEC	SCALE 4:1 SHEET 2 OF 5 REV 4
3 PLC	±0.013	114-13218	
4 PLC	±0.0001	WEIGHT	
ANGLES	±	CUSTOMER DRAWING	
MATERIAL	FINISH		

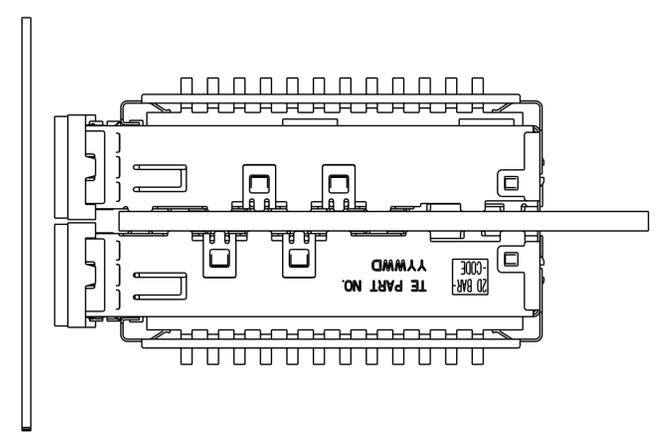
LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
-	-	-	-	SEE SHEET 1	-	-	-



ONE SIDED CONFIGURATION
 SCALE 5:2

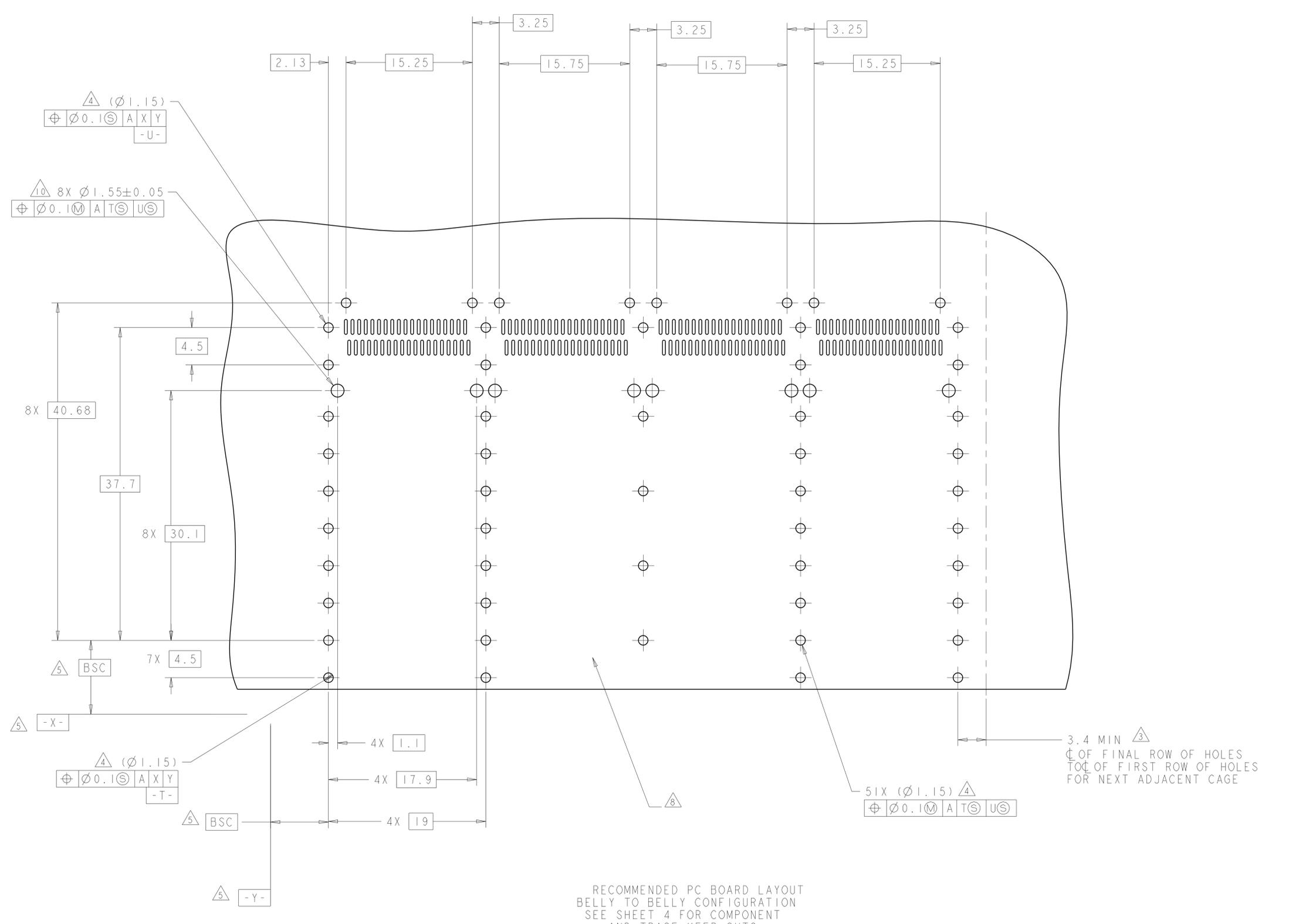


BELLY TO BELLY CONFIGURATION
 SIMILAR TO ONE SIDED
 EXCEPT WHERE NOTED
 SCALE 5:2



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: RINSEN SUN 29FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 29FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY CAI 29FEB2012	NAME: 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ FOAM GASKET AND HEAT SINK QSPF
0 PLC ±.1		PRODUCT SPEC: 108-2286	
1 PLC ±0.1		APPLICATION SPEC: 114-13218	SIZE: CAGE CODE DRAWING NO A100779C=2170290
2 PLC ±0.1		WEIGHT: -	
3 PLC ±0.013		CUSTOMER DRAWING	RESTRICTED TO: -
4 PLC ±0.0001		SCALE: 4:1	SHEET 3 OF 5
ANGLES ±.1		REV: 4	
FINISH: -			

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



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

3.4 MIN Δ
 C OF FINAL ROW OF HOLES
 TO C OF FIRST ROW OF HOLES
 FOR NEXT ADJACENT CAGE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN KINSEN SUN 29FEB2012	TE Connectivity														
DIMENSIONS: mm		CHK DENNY ZHU 29FEB2012															
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD ALEX CAI 29FEB2012	NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ FOAM GASKET AND HEAT SINK QSFP														
<table border="1"> <tr> <td>0 PLC</td> <td>±</td> </tr> <tr> <td>1 PLC</td> <td>±0.1</td> </tr> <tr> <td>2 PLC</td> <td>±0.1</td> </tr> <tr> <td>3 PLC</td> <td>±0.013</td> </tr> <tr> <td>4 PLC</td> <td>±0.0001</td> </tr> <tr> <td>ANGLES</td> <td>±</td> </tr> <tr> <td>FINISH</td> <td>±</td> </tr> </table>		0 PLC	±	1 PLC	±0.1	2 PLC	±0.1	3 PLC	±0.013	4 PLC	±0.0001	ANGLES	±	FINISH	±	PRODUCT SPEC 108-2286	SIZE A100779C=2170290
0 PLC	±																
1 PLC	±0.1																
2 PLC	±0.1																
3 PLC	±0.013																
4 PLC	±0.0001																
ANGLES	±																
FINISH	±																
MATERIAL		APPLICATION SPEC 114-13218	RESTRICTED TO														
CUSTOMER DRAWING		WEIGHT	SCALE 4:1 SHEET 5 OF 5 REV 4														

Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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