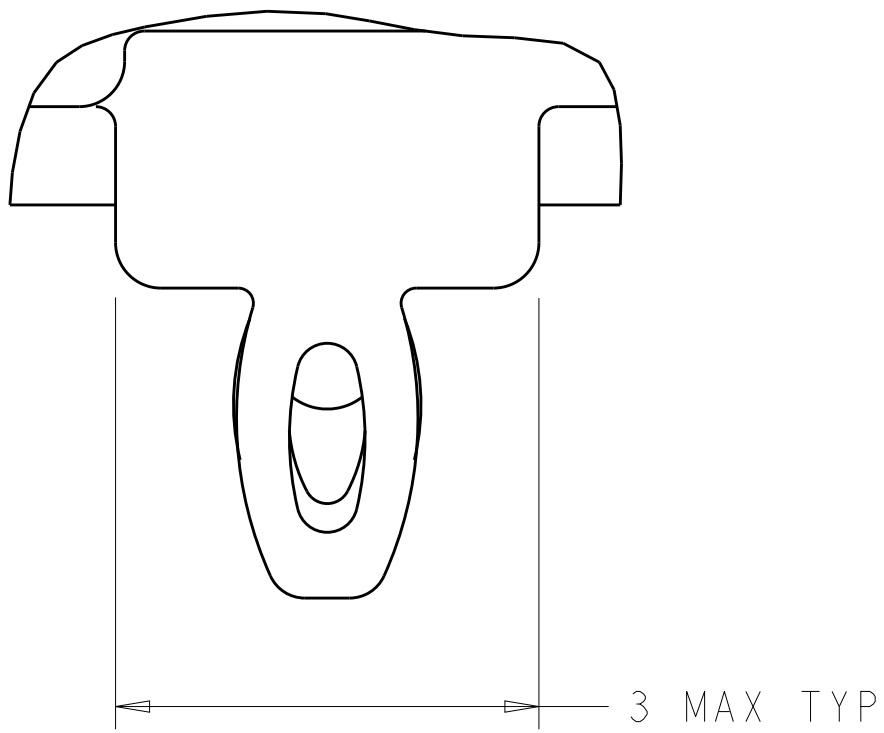


LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	DWN	APVD	
GP	00		4	UPDATED VIEWS	30MAR2011	AL	CW	
			5	REVISED PER ECO-12-003841	14MAR2012	TY	KS	
			6	REVISED PER ECO-12-005533	05APR2012	JY	AC	
			A	REVISED PER ECO-15-000148	10APR2015	RG	MC	



DETAIL S
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

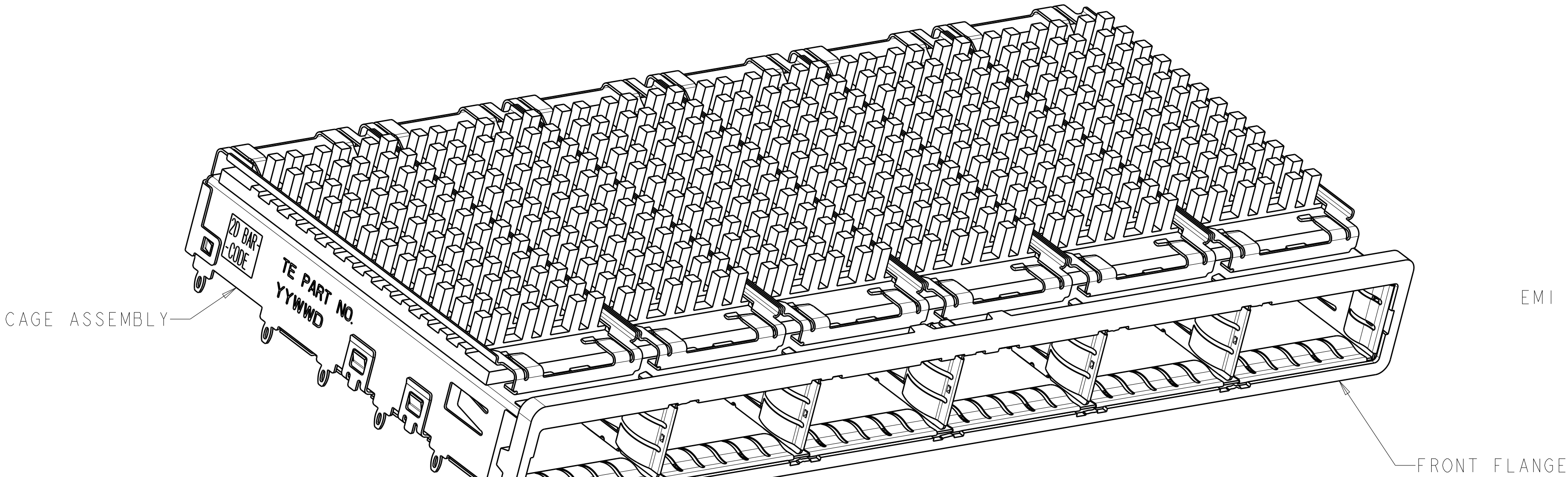
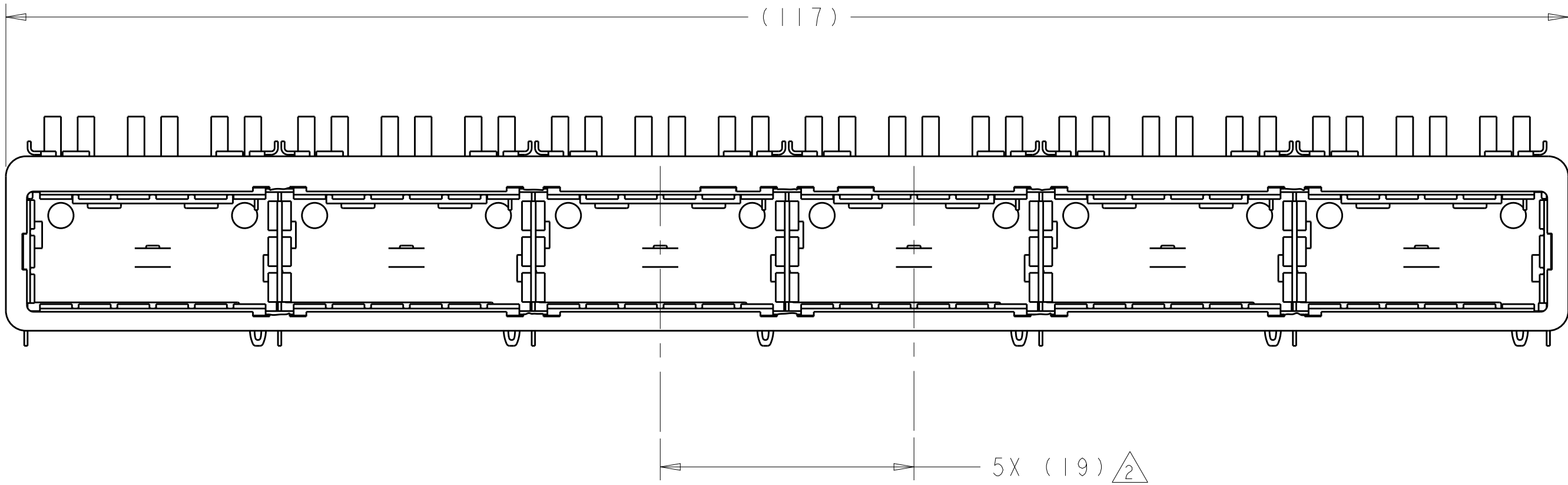
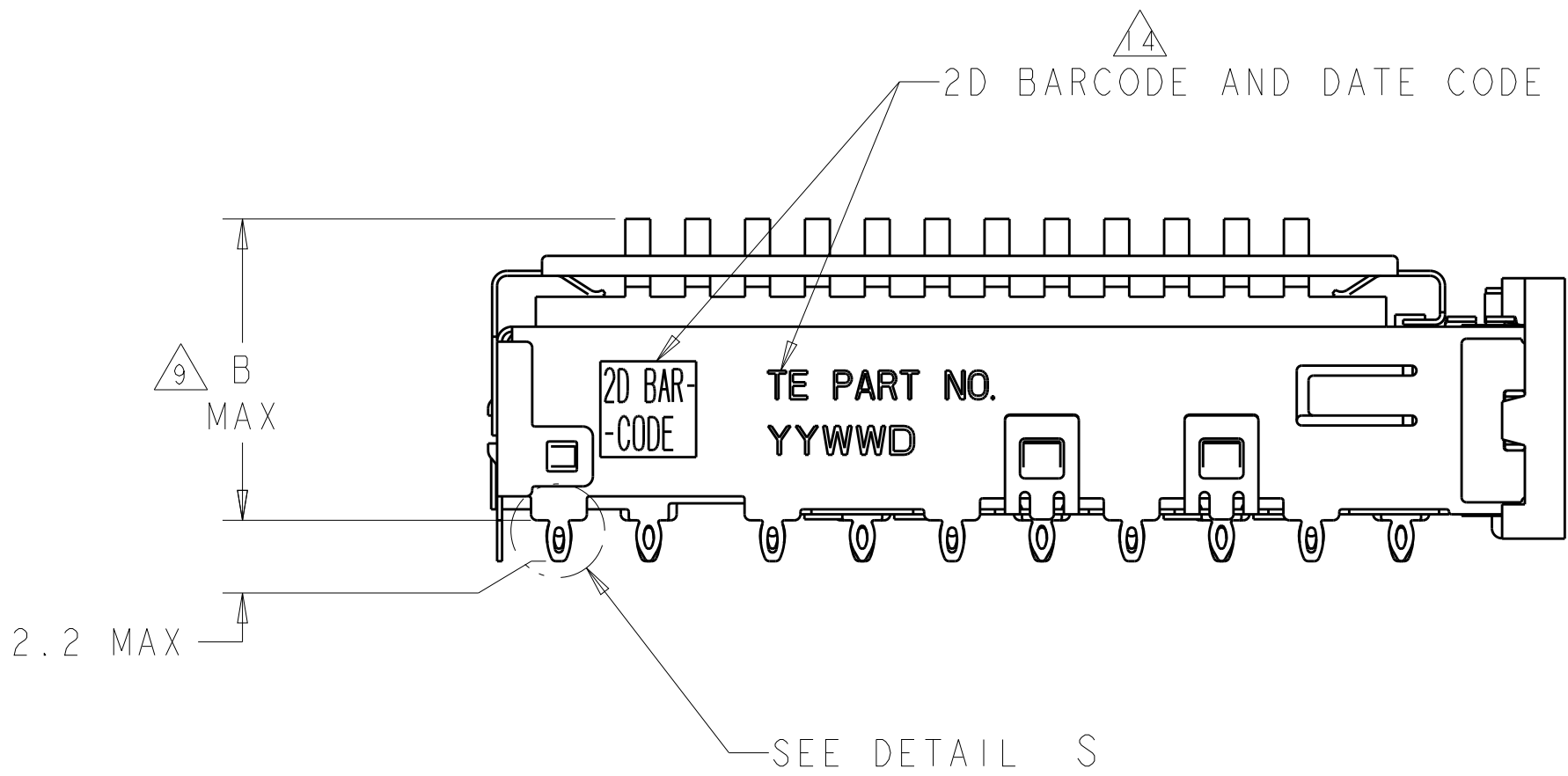
BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- 14

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

- 15

REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 16

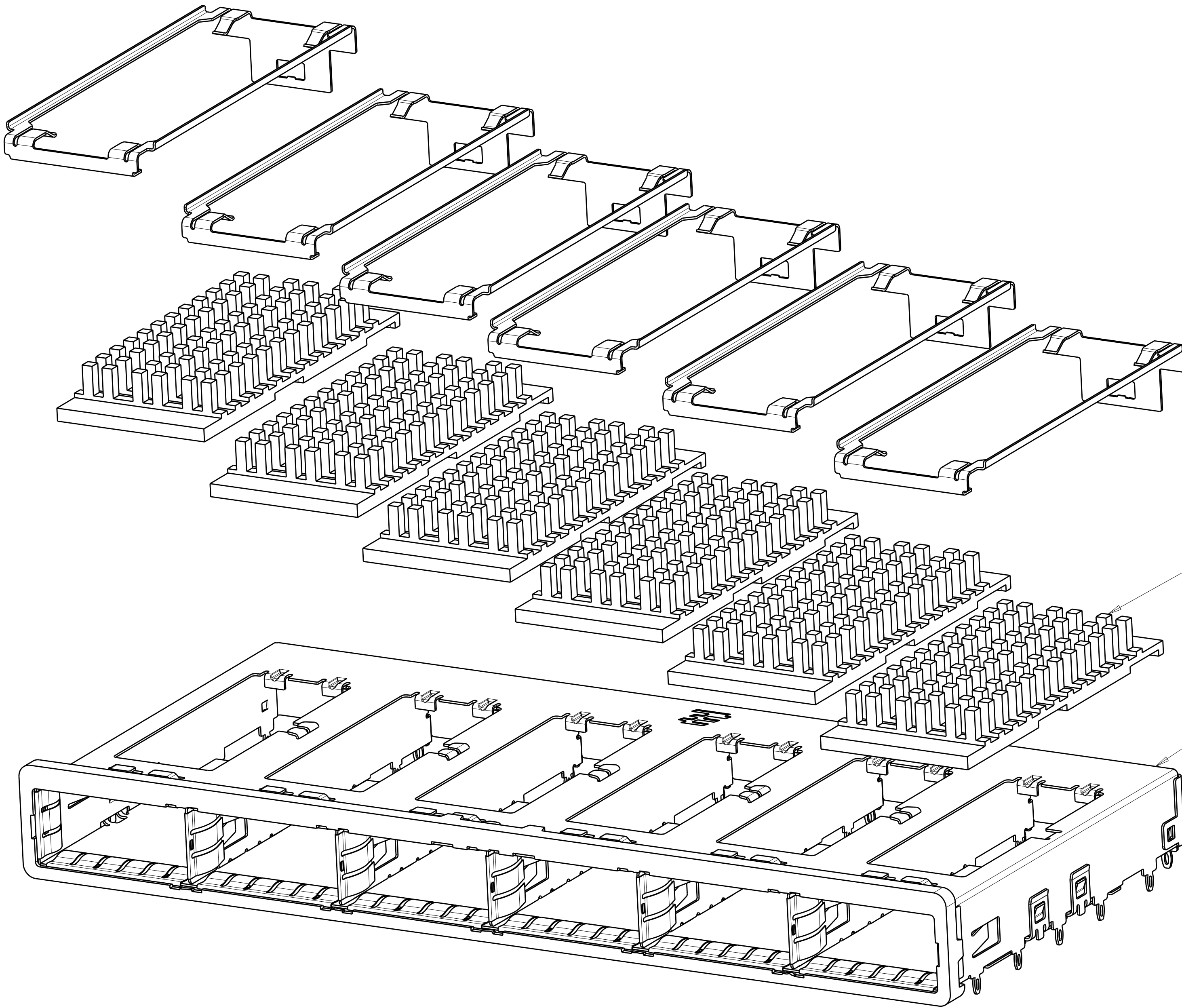
EMI SPRING FINISH: 2um MINIMUM TIN
FRONT FLANGE FINISH: 3um MINIMUM TIN OVER 1.27um MINIMUM NICKEL
OVER 5.08um MINIMUM COPPER.
HEAT SINK FINISH: NICKEL



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE	17MAR2010	 TE Connectivity			
DIMENSIONS:		CHK J. PETERSON	17MAR2010				
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. PETERSON	17MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	SIZE A100779	DRAWING NO C=2143330	RESTRICTED TO -
		PRODUCT SPEC 108-2286					

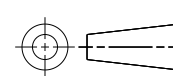
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

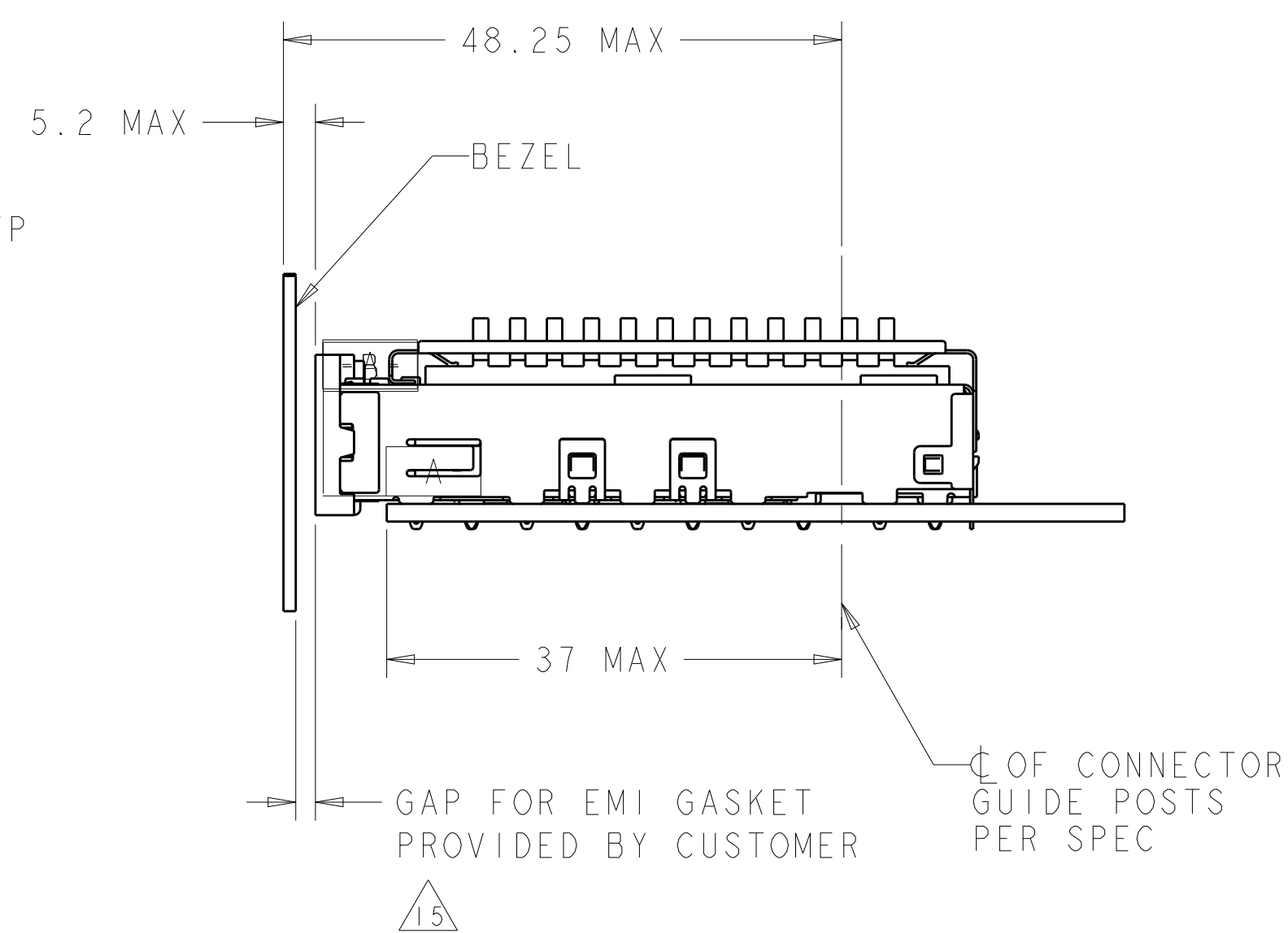


HEAT SINK CLIPS
QUANTITY: 6

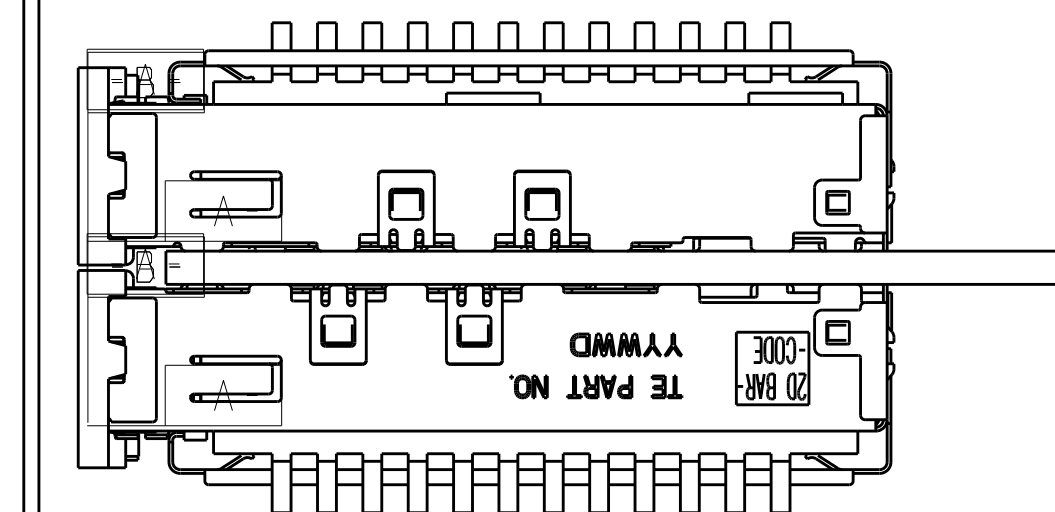
72 PIN HEAT SINKS
QUANTITY: 6

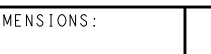
1X6 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

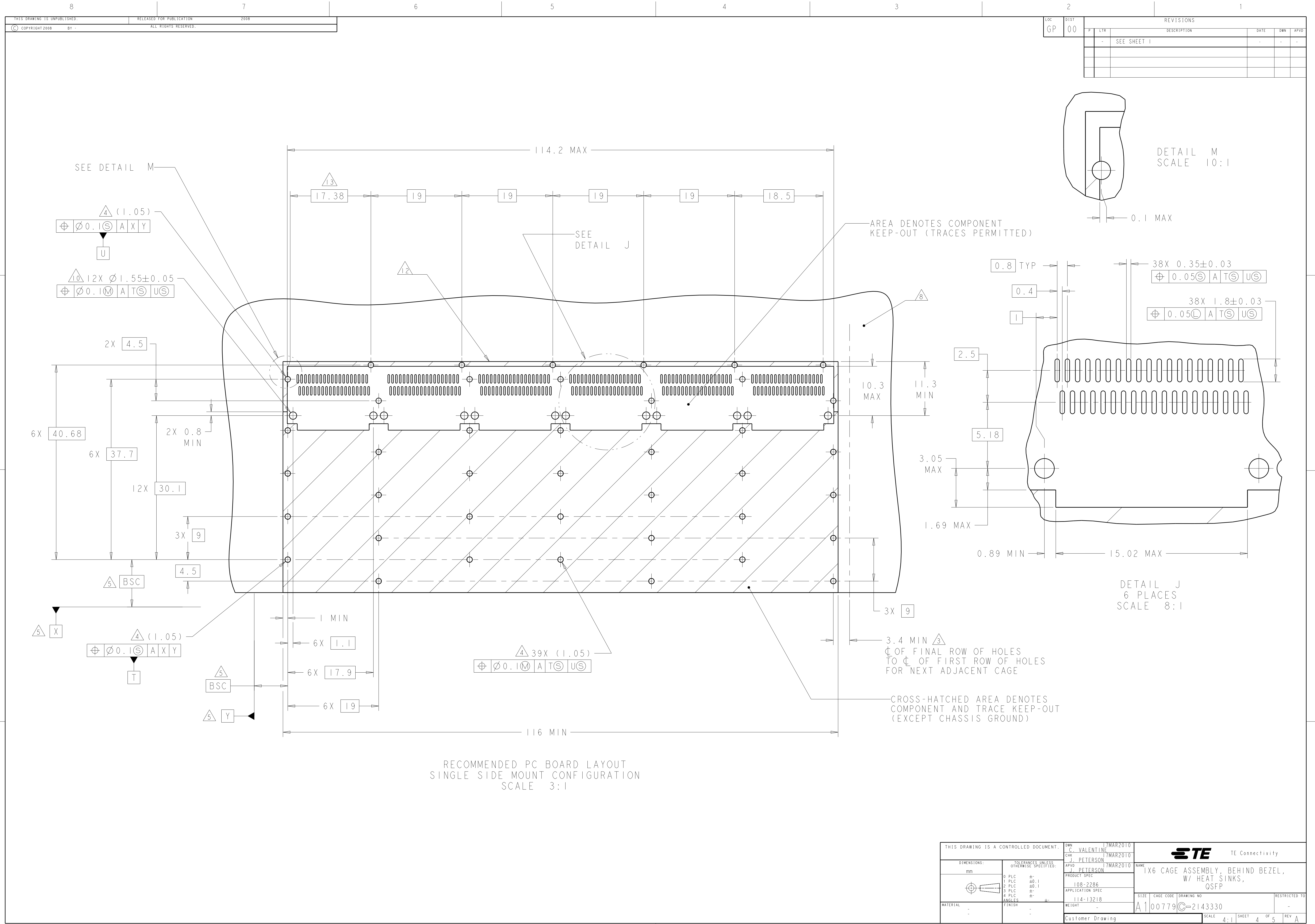
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	C. VALENTINE	17MAR2010	 TE Connectivity	
		CHK	J. PETERSON	17MAR2010		
DIMENSIONS:		APVD	J. PETERSON	17MAR2010	NAME	1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
mm		PRODUCT SPEC				
		108-2286			SIZE	A100779
		APPLICATION SPEC				
		114-13218			CAGE CODE	C=2143330
		FINISH				
MATERIAL		WEIGHT			RESTRICTED TO	
		Customer Drawing				
					SCALE	3:1
					SHEET	2 OF 5
					REV	A



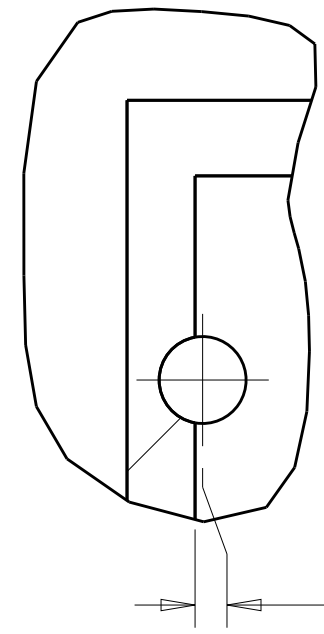
Top view of the 20-pin connector. The connector is rectangular with a 20-pin D-subminiature connector on the left side. The top edge features a 20-pin connector. The bottom edge has a 20-pin connector. The internal components are visible, including the 20-pin connector pins and the internal wiring. The text "20 BAR-4" and "TE PART NO. YYWARD" is printed on the bottom edge.



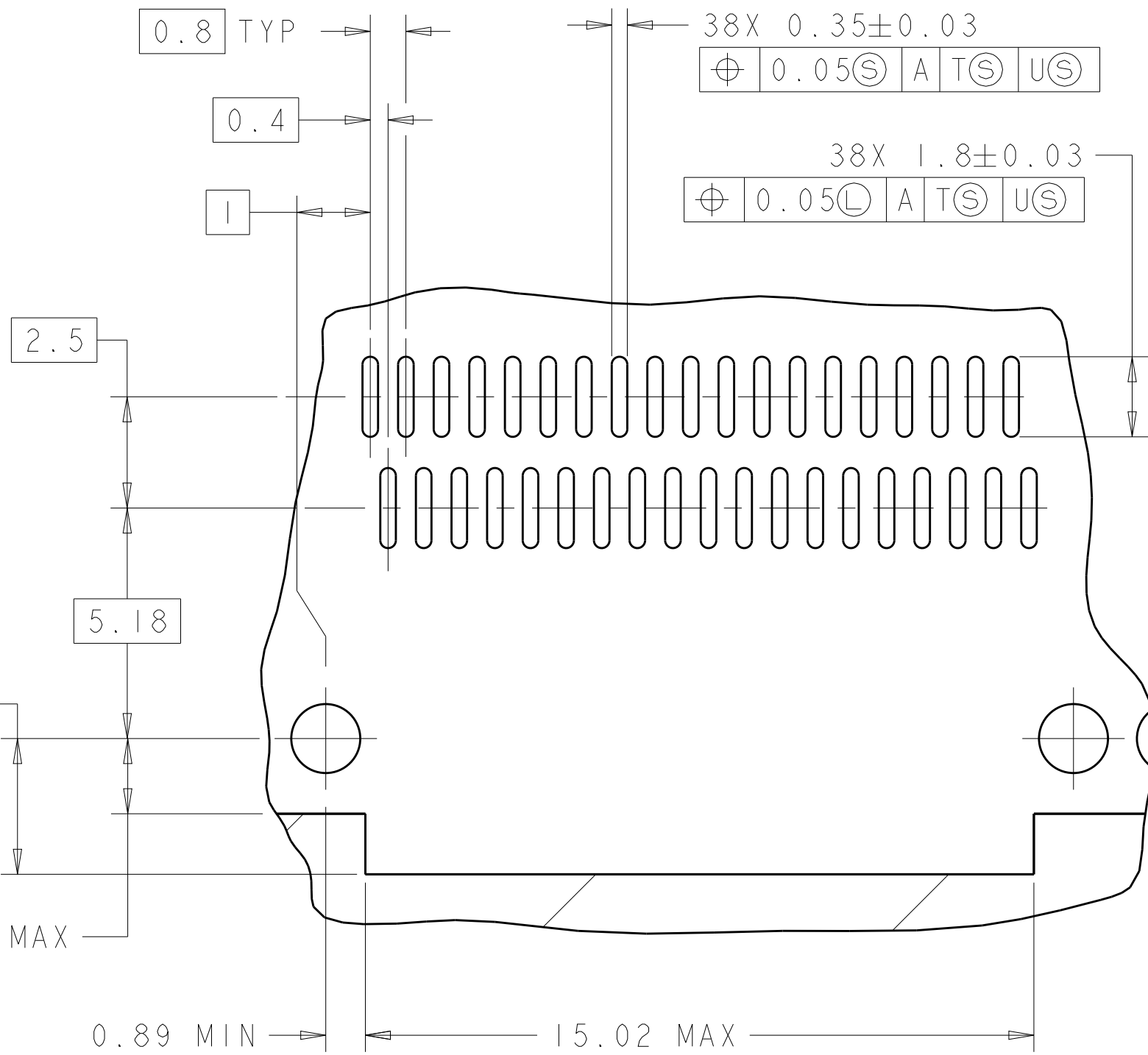
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG C VALENTINE 17MAR2010 CHK J PETERSON 17MAR2010 J PETERSON 17MAR2010		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1		NAME IX6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSPF	
MATERIAL - FINISH -		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218 WEIGHT -		SIZE A1 CAGE CODE 100779 DRAWING NO C=2143330 RESTRICTED TO -	
Customer Drawing		SCALE 3:1		SHEET 3 OF 5 REV A	



LOC		DIST		REVISEMENTS			
GP		00		P	LTR	DESCRIPTION	DATE
				-	-	SEE SHEET 1	-



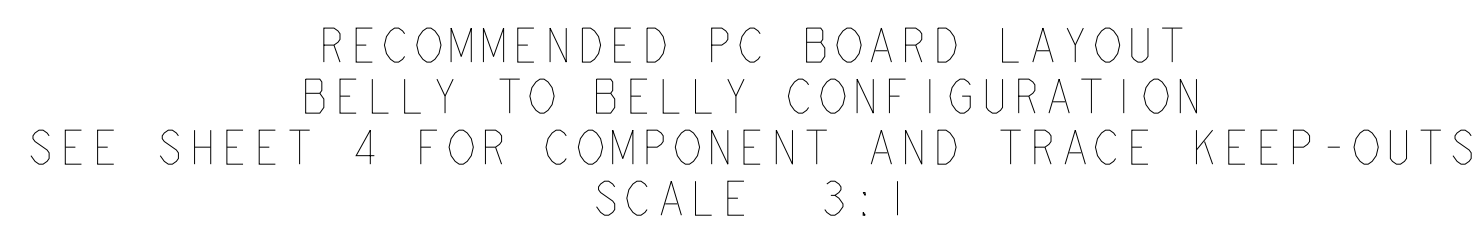
DETAIL M
SCALE 10:1

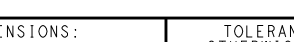


DETAIL J
6 PLACES
SCALE 8:1

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	7MAR2010 7MAR2010 7MAR2010	 TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±0.1	PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218	1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE	DRAWING NO
-	-	-	A1	00779	C=2143330
Customer Drawing			SCALE	4:1	SHEET 4 OF 5
			REV A		



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. C. VALENTINE 1MAR2010 CHK. J. PETERSON 1MAR2010 APP'D. J. PETERSON 1MAR2010		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 P.L.C ± 1 P.L.C ±0.1 2 P.L.C ± 3 P.L.C ± 4 P.L.C ± ANGLES ± MATERIAL - FINISH -		NAME: 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, OSFP PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218 SIZE: CAGE CODE: DRAWING NO: A100779 C=2143330 WEIGHT: - RESTRICTED TO: -	
		Customer Drawing		SCALE: 4:1 SHEET 5 OF 5 REV A	



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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