

**AMPHENOL PART NUMBER CONFIGURATION**  
**U79 - A 1 X X - X X X X**

**HEAT SINK OPTION**

- 0 = CLIP SHIPPED, NO HEAT SINK
- 1 = NO HEAT SINK OR CLIP SHIPPED
- 2 = FIN HEAT SINK & CLIP (J=7.0mm)
- 3 = FIN HEAT SINK & CLIP (J=4.2mm)
- 4 = FIN HEAT SINK & CLIP (J=13.5mm)
- D = PIN-FIN HEAT SINK & CLIP (J=7.0mm)
- E = PIN-FIN HEAT SINK & CLIP (J=4.2mm)
- F = PIN-FIN HEAT SINK & CLIP (J=13.5mm)
- G = 45° FIN HEAT SINK & CLIP (J=7.0mm)
- H = 45° FIN HEAT SINK & CLIP (J=4.2mm)
- J = 45° FIN HEAT SINK & CLIP (J=13.5mm)
- T = PIN-FIN HEAT SINK & CLIP (J=6.50mm)

**PRESS FIT LENGTH OPTION**

- 1 = 2.50mm
- 2 = 2.15mm

**PLATING OPTION**

- 2 = NICKEL
- 3 = MATTE TIN

**OPTIONAL DUST COVER**

- 0 = WITHOUT DUST COVER
- D = WITH DUST COVER (SHIPPED LOOSE)

**NOTE:**  
 FOR "J" DIMENSION LOCATION SEE SHEET 2

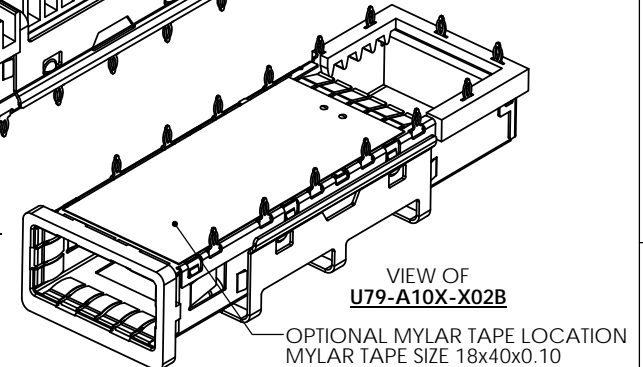
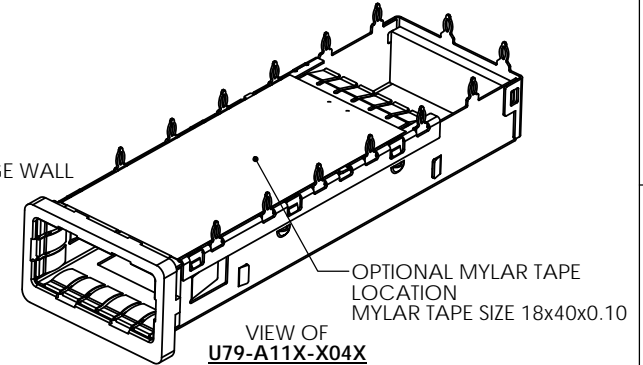
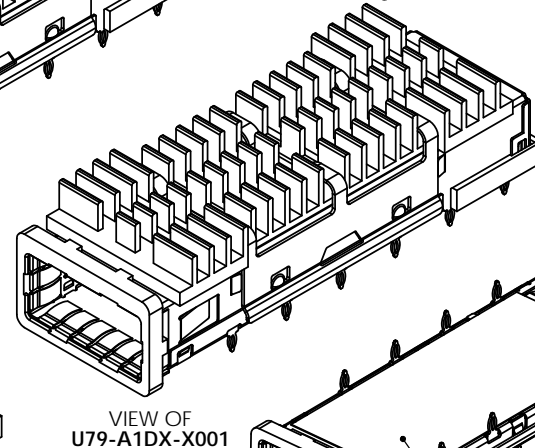
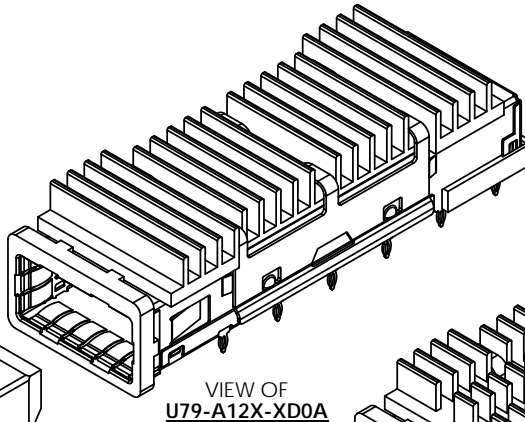
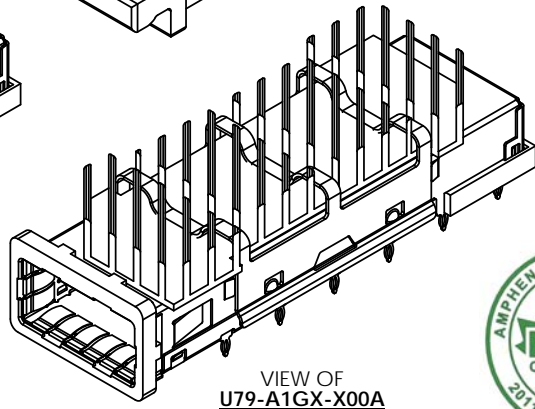
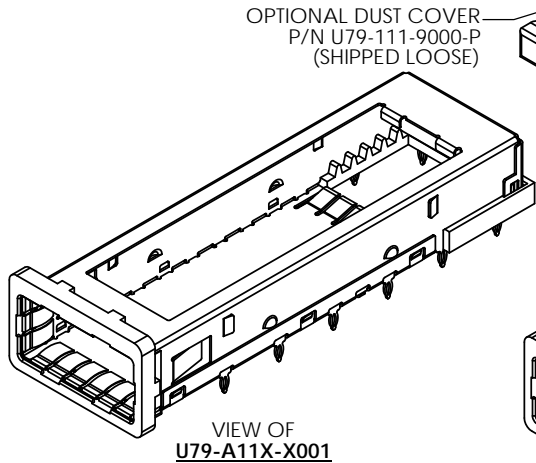
**PACKAGING**

- 1 = TRAY PACKAGING (HEAT SINK AND CLIP SHIPPED SEPARATELY IF ORDERED)
- T = TAPE AND REEL (HEAT SINK AND CLIP SHIPPED SEPARATELY IF ORDERED)
- A = TRAY PACKAGING (HEAT SINK & CLIP ASSEMBLED TO CAGE)
- B = TRAY PACKAGING (CLIP ASSEMBLED TO CAGE)

**OPTION**

- 0 = STANDARD
- 1 = HIGH CONDUCTIVITY REAR LOWER GASKET
- 2 = MYLAR TAPE ATTACHED TO BOTTOM CAGE WALL
- 3 = NO REAR LOWER GASKET
- 4 = NO REAR LOWER GASKET, MYLAR TAPE ATTACHED TO BOTTOM CAGE WALL

REVISIONS				
REV	ECN/E-R	DESCRIPTION	DATE	APPROVED
L		22.15 MIN ADDED / TOP VIEW CH. FORM H "G" TO "H"	AUG 10/09	A.G.
M		ADDED "IF ORDERED" TO THE PACKAGING NOTE	JUL 07/10	ZLJ
N		ADDED NEW OPTION OF 2.15mm LONG PRESS FIT PIN	SEP 28/11	ZLJ
P		ADDED NEW OPTION OF U79-A11X-XX4X	DEC 06/11	A.G.
R		ADDED NEW OPTION OF U79-A11X-XXXX	DEC 24/14	J.SI



**DO NOT SCALE DRAWING**

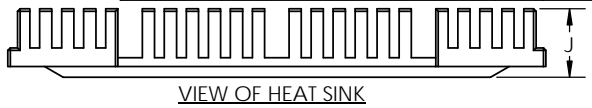
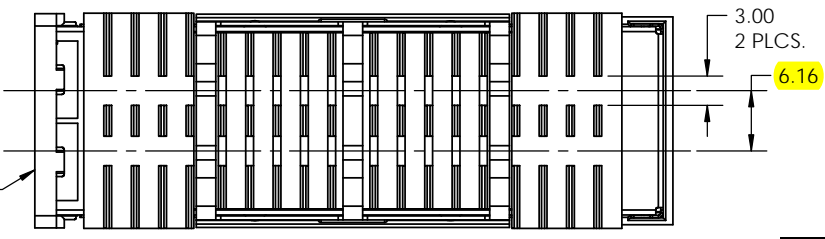
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DIGITALS	ANGLES	DRAWN	M.LONG	2005/11/29	TITLE	
X.X ± 0.15	± 1°	DESIGNED	M.LONG	2005/11/29	XFP CAGE	
X.XX ± 0.10		CHECKED	J.SI	2005/11/29		
MATERIAL AND FINISH		CA APPD				
REF		E APPD			SIZE	DWG. NO
CODE IDENT NO:	03554	DWG APPD	A.GREEN	2005/11/29	A3	P-U79-A11X-XXXX
		SCALE	2:1	PROJECT		REV R
						SHEET 1 OF 5

8 7 6 5 4 3 2 1

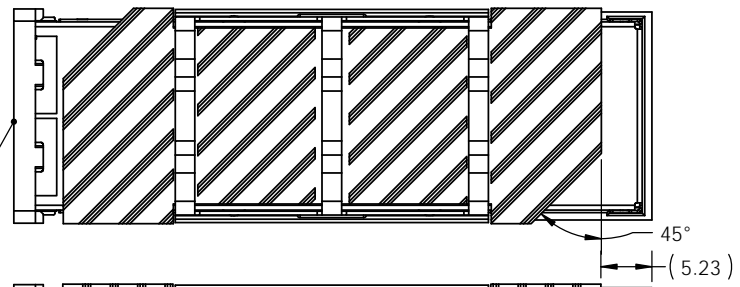
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R		ADDED NEW OPTION OF U79-A1TX-XXXX	DEC 24/14	J.SI

TOP VIEW OF U79-A1DX-X001  
SHOWING HEAT SINK PIN-FIN CUTOUT

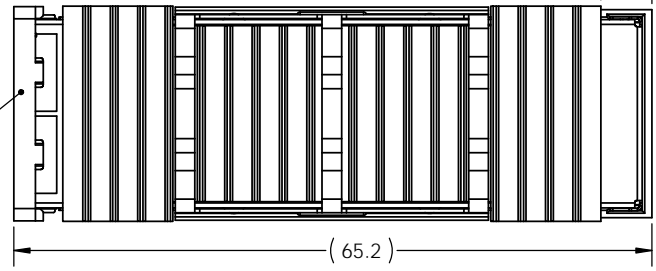


VIEW OF HEAT SINK

TOP VIEW OF U79-A1HX-X001  
SHOWING HEAT SINK FIN ANGLE



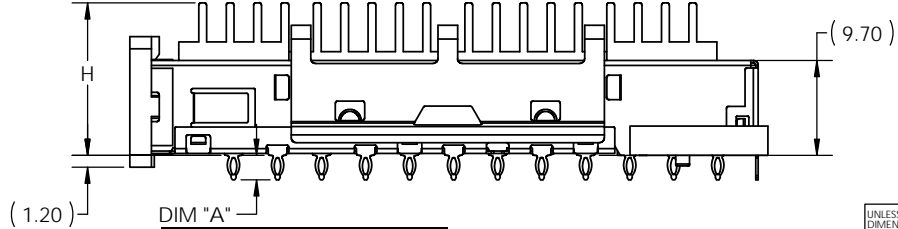
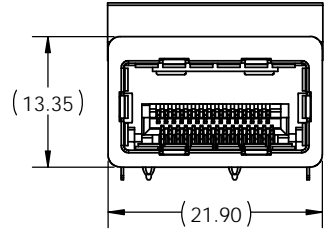
TOP VIEW OF U79-A12X-X001  
SHOWING STANDARD HEAT SINK FIN POSITION



PART NUMBER	DIM H	DIM J	HEAT SINK P/N
U79-A12X-XXXX	15.60	7.0	U79-111-6000
U79-A13X-XXXX	12.80	4.2	U79-111-6010
U79-A14X-XXXX	22.10	13.5	U79-111-6020
U79-A1DX-XXXX	15.60	7.0	U79-111-600B
U79-A1EX-XXXX	12.80	4.2	U79-111-601B
U79-A1FX-XXXX	22.10	13.5	U79-111-602B
U79-A1GX-XXXX	15.60	7.0	U79-111-600C
U79-A1HX-XXXX	12.80	4.2	U79-111-601C
U79-A1JX-XXXX	22.10	13.5	U79-111-602C
U79-A1TX-XXXX	15.10	6.5	U79-111-603B

NOTES:

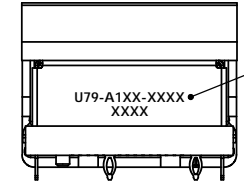
- MATERIAL:  
CAGE AND FRONT EMI SPRINGS: COPPER ALLOY  
FRONT FLANGE: ZINC ALLOY  
REAR GASKETS: CONDUCTIVE ELASTOMER  
HEAT SINK: ALUMINUM  
HEAT SINK CLIP: STEEL ALLOY  
PLATING: 2.54µm [100µ"] MIN. NICKEL.
- CAGE COMPLIANT TO XFP SPECIFICATION REVISION 4.5.



PART NUMBER	DIM "A"
U79-A1X1-XXXX	2.50
U79-A1X2-XXXX	2.15

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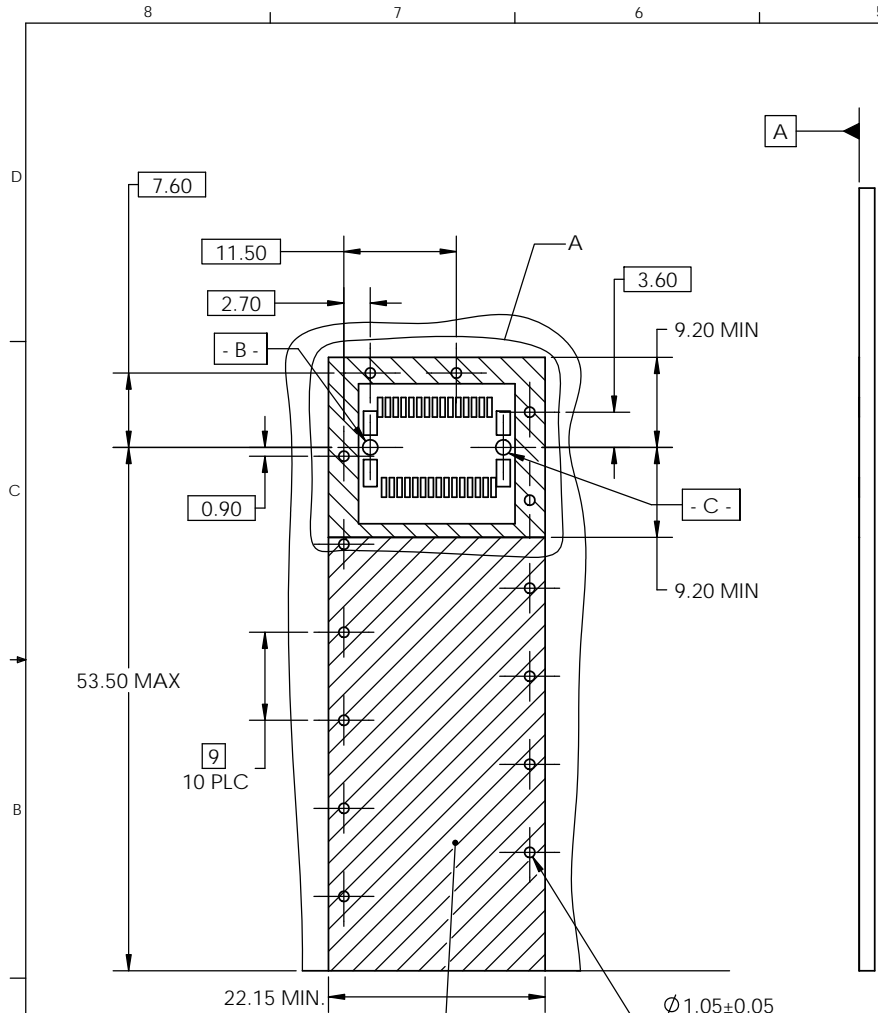


INK MARKING INFO.  
PART # AND DATE CODE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS XX ± 0.15 X.XX ± 0.10	APPROVALS	DATE	Amphenol Canada Corp.	
	DRAWN M.LONG	2005/11/29	TITLE	
	DESIGNED M.LONG	2005/11/29	XFP CAGE	
	CHECKED J.SI	2005/11/29		
MATERIAL AND FINISH	CIA APPD			
REF	E APPD		SIZE A3	DWG. NO P-U79-A1XX-XXXX
CODE IDENT NO: 03554	DWG APPD A.GREEN	2005/11/29	SCALE 2:1	PROJECT SHEET 2 OF 5

8 7 6 5 4 3 2 1

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R		ADDED NEW OPTION OF U79-A11X-XXXX	DEC 24/14	J.SI



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

$\varnothing 0.10$	(M)	A	B	C
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RECOMMENDED PC BOARD LAYOUT FOR U79-A11X-XX0X AND U79-A11X1-XX1X (COMPONENT SIDE OF BOARD)

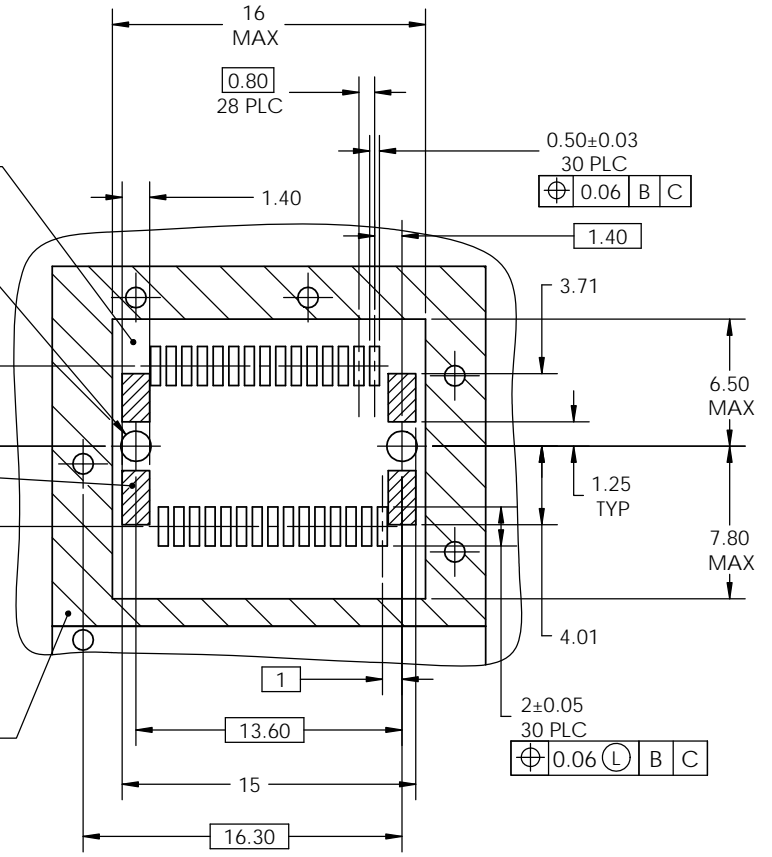
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AREA DONATES COMPONENT KEEP-OUT (TRACES ALLOWED)

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

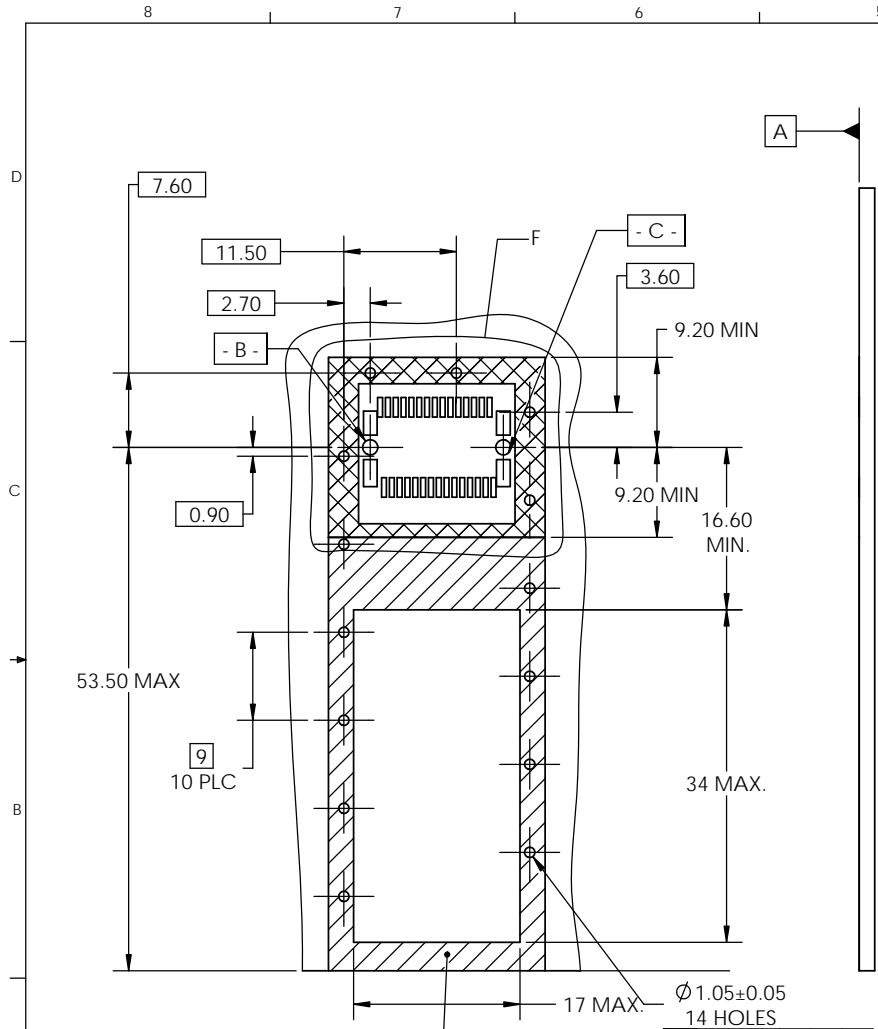
AREA TO BE CONDUCTIVE AND CONNECTED TO CHASSIS GROUND



DETAIL A SCALE 4 : 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE	Amphenol Canada Corp.	
DRAWN	M.LONG	DESIGNED	M.LONG	2005/11/29	TITLE	
CHECKED	J.SI	CHECKED	J.SI	2005/11/29	XFP CAGE	
MATERIAL AND FINISH		QA APPD				
REF		E APPD			SIZE	DWG. NO
CODE IDENT NO:	03554	DWG APPD	A.GREEN	2005/11/29	A3	P-U79-A11X-XXXX
		SCALE	2:1	PROJECT		REV R
						SHEET 3 OF 5

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

$\varnothing 0.10$ (M)	A	B	C
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**RECOMMENDED PC BOARD LAYOUT FOR U79-A1XX-XX2X & U79-A1XX-XX4X (COMPONENT SIDE OF BOARD)**

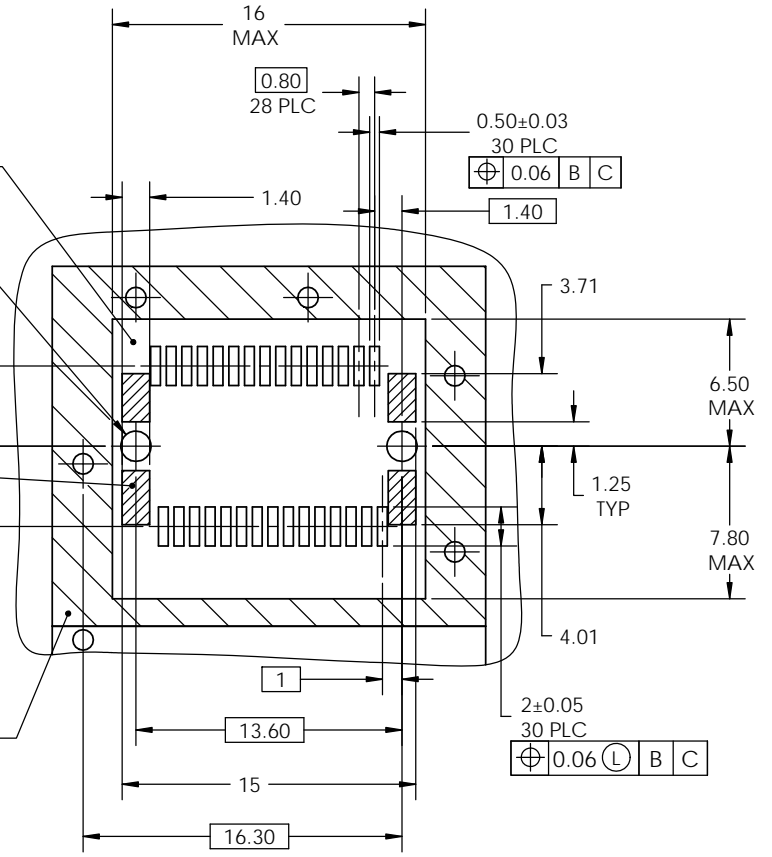
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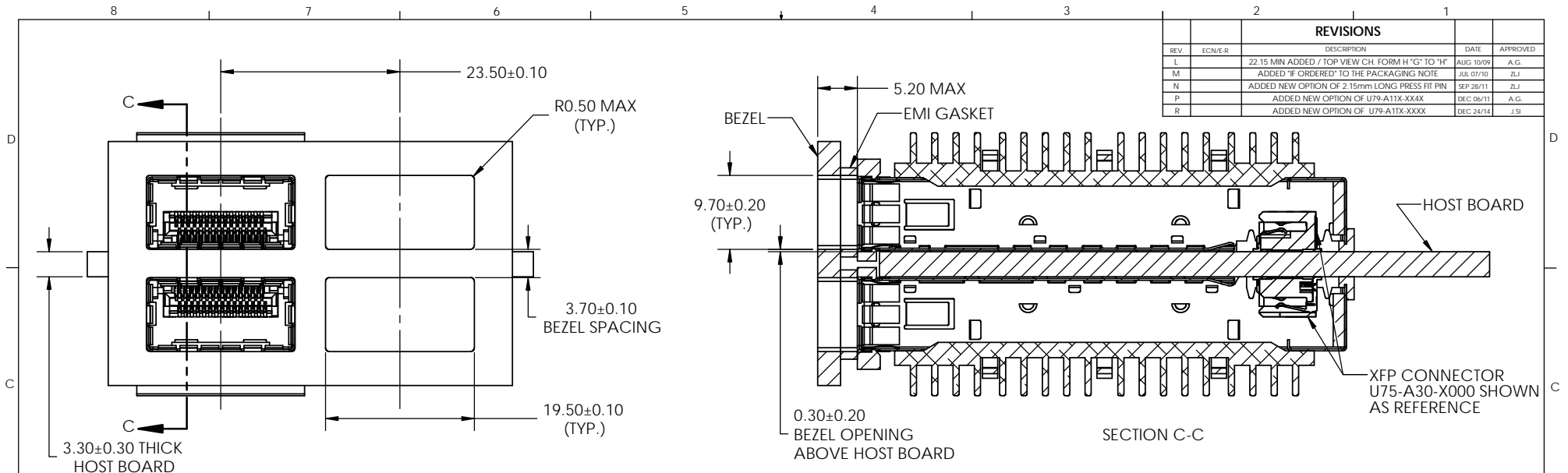
CROSS-HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

AREA TO BE CONDUCTIVE AND CONNECTED TO CHASSIS GROUND



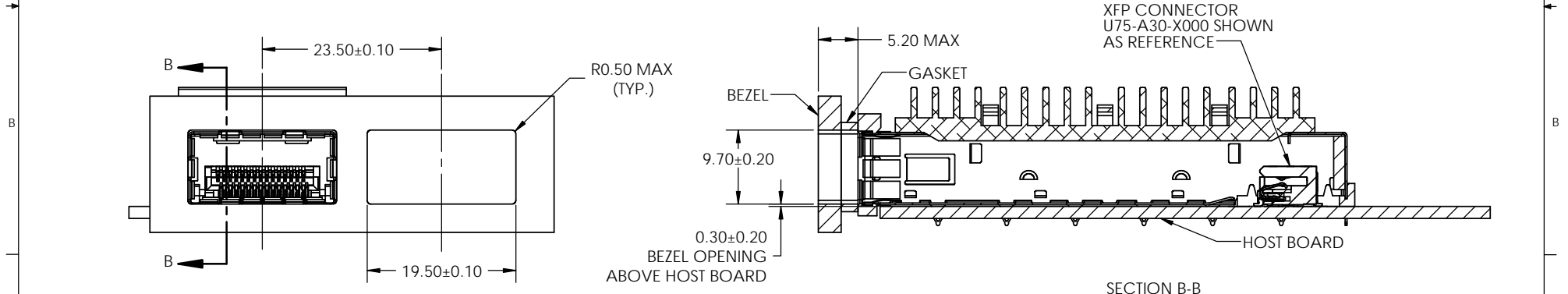
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MATERIAL AND FINISH		CA APPD				
REF		E APPD			SIZE	DWG. NO
CODE IDENT NO:	03554	DWG APPD	A.GREEN	2005/11/29	A3	P-U79-A1XX-XXXX
		SCALE	2:1	PROJECT	REV	R
					SHEET	4 OF 5



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RECOMMENDED DOUBLE SIDED MOUNTING BEZEL DESIGN



RECOMMENDED SINGLE SIDED BEZEL DESIGN

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DESIGNED	M.LONG	CHECKED	J.SI	2005/11/29	
CHECKED	J.SI	CIA APPD			
MATERIAL AND FINISH		E APPD			TITLE
REF					XFP CAGE
CODE IDENT NO:	03554	DWG APPD	A.GREEN	2005/11/29	SIZE
					A3
					DWG. NO
					P-U79-A11X-XXXX
					SCALE
					2:1
					PROJECT
					REV
					R
					SHEET
					5 OF 5

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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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Web: <http://oceanchips.ru/>

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