

8 7 6 5 4 3 2 1

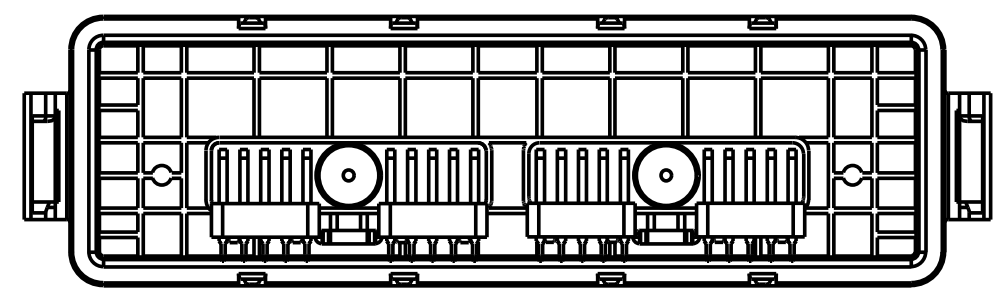
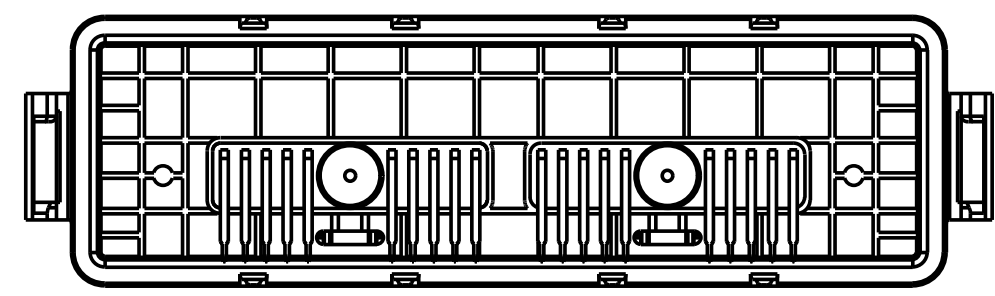
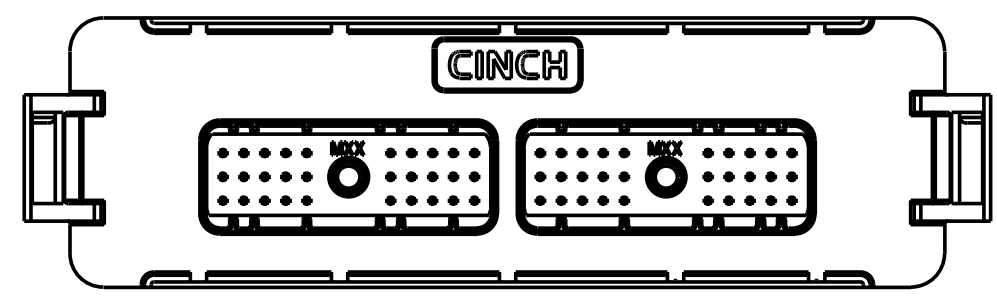
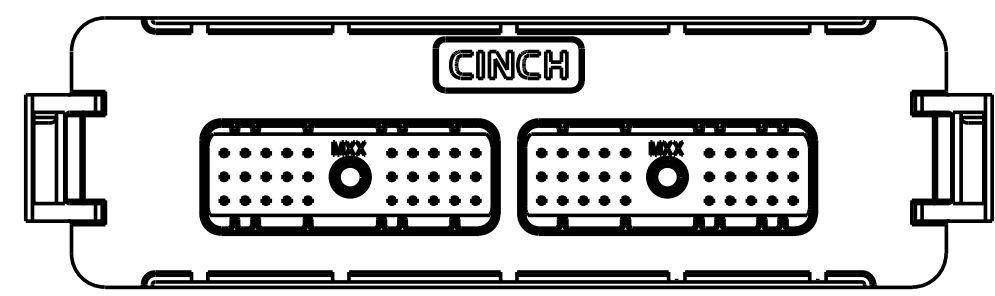
# CINCH PART NUMBER MATRIX

P/N: 581 01 60 005

P/N: 581 01 60 006

60-WAY HEADER ASSEMBLY WITHOUT FERRITE FILTERS

60-WAY HEADER ASSEMBLY WITH FERRITE FILTERS



MATES WITH CINCH HARNESS CONNECTORS P/N:  
581 01 30 028 (30-WAY) AND 581 01 30 029 (30-WAY)

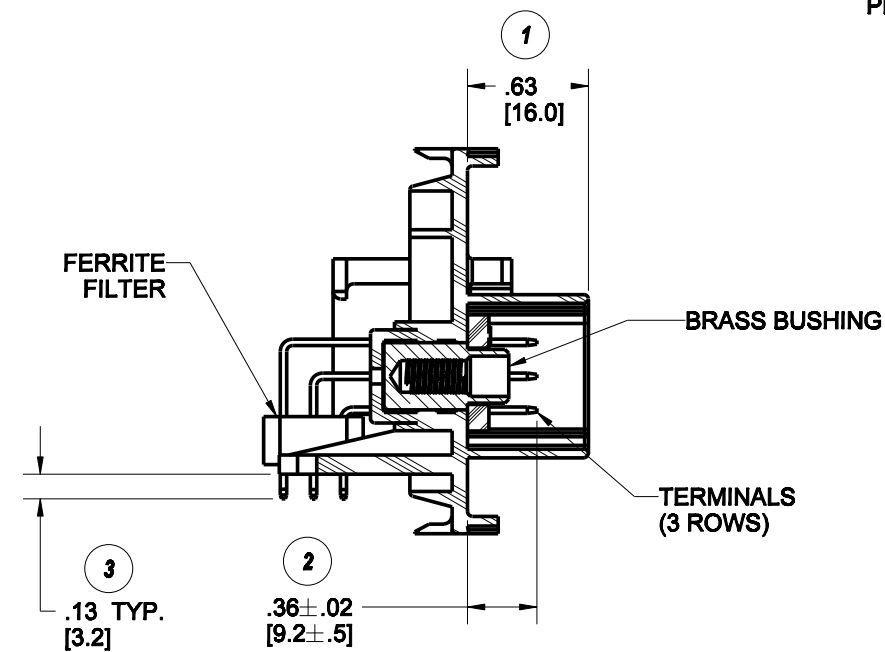
DRAWING REVISIONS			
REV	DOCUMENT	APP	DATE
A	D.O. 05-1217 REL. FOR PRODUCTION	A.C.	9/9/05
B	ECN: 05A634 ADDED SHEET 5 ADDED SHEET 6 MODIFIED SHEET 3 MODIFIED SHEET 4	A.C.	3/23/06
C	ECN: 06A477 REFORMATTED DRAWING PCB LAYOUTS REDRAWN WITH ADDITIONAL KEEP OUT AREAS	A.C.	1/8/07

**NOTE:**

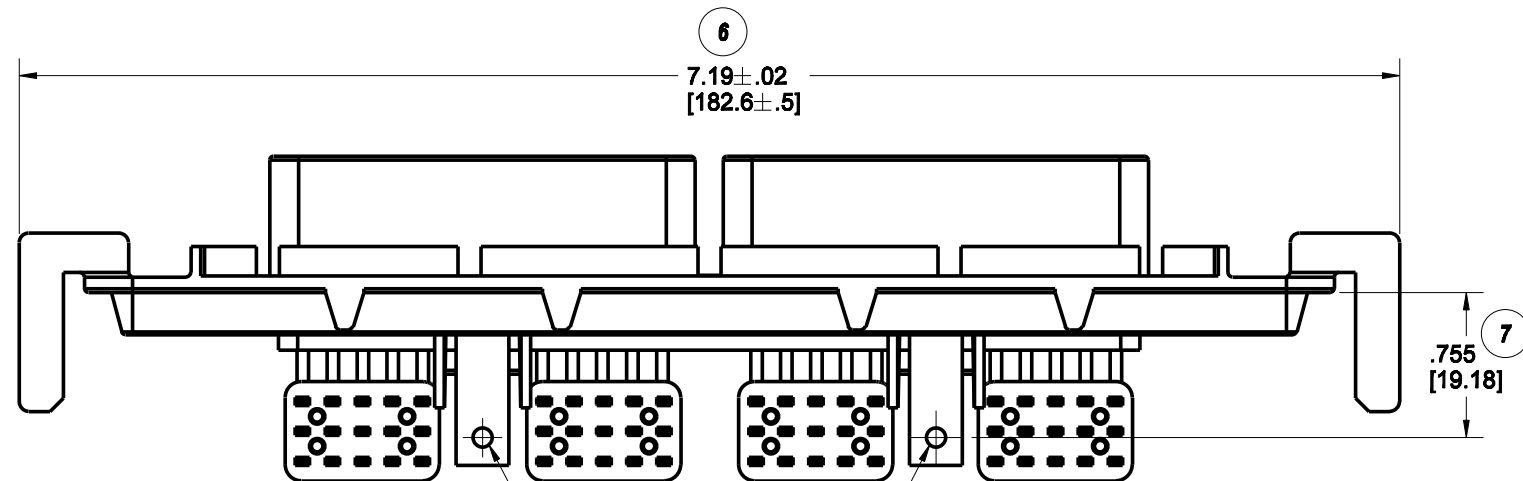
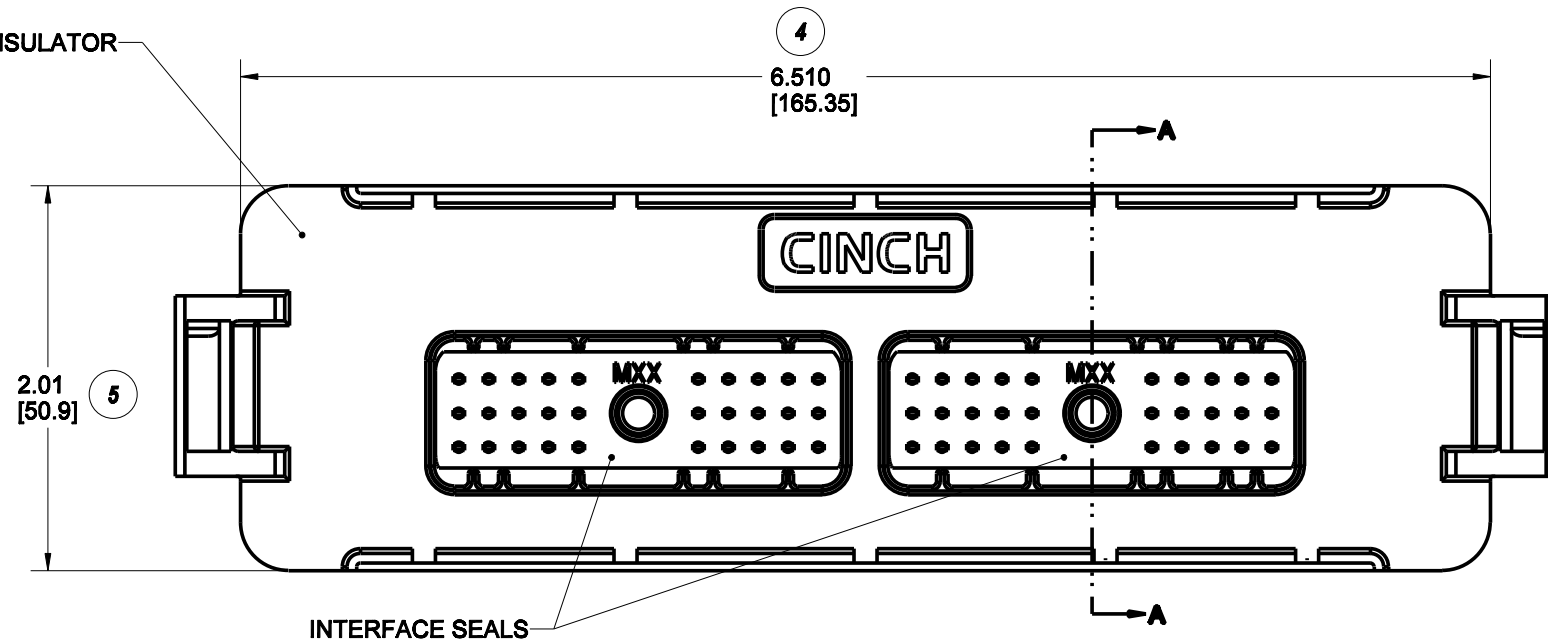
- ALL DIMENSIONS ARE IN INCHES; DIMENSIONS INSIDE [.XX] ARE IN mm, AS REF. ONLY.
- MATERIALS:  
INTERFACE SEAL: SILICONE RUBBER, COLOR BLUE;  
INSULATOR: 30 % GLASS FILLED POLYMER, COLOR BLACK;  
BUSHING: BRASS ALLOY, UNPLATED 10-24 UNC THREAD;  
TERMINAL BLADE: 1.5 mm BRASS WITH TIN OVER NICKEL PLATING;  
FILTERS: FERRITE BLOCKS.
- ALL HEADERS ARE REFLOW AND WAVE SOLDERING PROCESS, ROHS COMPLIANT.
- MATES WITH CINCH SHS PUSH-TO-SEAT HARNESS CONNECTORS (SEE TABLE ABOVE).
- THERMALLY CONDUCTIVE ADHESIVE PASTE SOLD SEPARATELY: RECOMMENDED IS LOCTITE 383.
- MOSFET SPRING PLATES ARE SOLD SEPARATELY (FOR INSTALLATION REFER TO ENCLOSURE ASSEMBLY INSTRUCTIONS) SPRING LABELED AS "L" IS CINCH P/N: 581 00 00 020 AND SPRING LABELED AS "R" IS CINCH P/N: 581 00 00 021. (IT IS RECOMMENDED THAT THE 4 SLOTS BE PROTECTED DURING CONFORMAL COATING)
- STANDARD PACKAGE SIZE: 36 PARTS/CARTON BOX.

UNITS		RoHS COMPLIANT		MODELED BY:	
ENGLISH		PRO/E		Cinch	
DO NOT SCALE DRAWING		DRAWN BY	DATE	TITLE	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		B. KOSTIC	9/02/05	60-WAY HEADERS LE MODICE	
FILLET/RADII .02 MAX		DESIGN ENGINEER		CONTROL SPEC NUMBER	
TOLERANCES X ± .1 XX ± .01 XXX ± .005 ANGULAR ± .5		B. KOSTIC	9/02/05	PROJECT NUMBER	
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH		DESIGN ENGINEERING MGR.		A 14562	
THIS DOCUMENT IS THE PROPERTY OF CINCH. NEITHER THIS DOCUMENT NOR ANY OF THE INFORMATION CONTAINED IN IT MAY BE DUPLICATED OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF CINCH.		MFG. ENGINEERING	9/15/05	CAD FILE NUMBER	DRAWING NUMBER
		R. GARZA	9/15/05	5810160005_HEADER	<b>581 01 60 005S</b>
		QUALITY ASSURANCE		CAGE IDENT NO.	SCALE
		D. DE LA PENA	9/15/05	71785	7:10
				SIZE	SHEET 1 OF 6
				B	

8 7 6 5 4 3 2 1

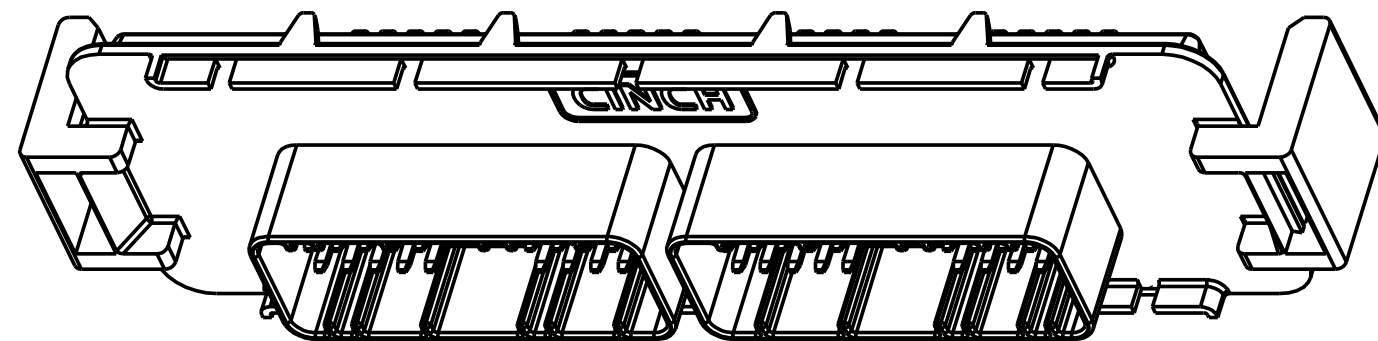


PLASTIC INSULATOR



FOR PCB MOUNTING, #4 SELF-TAPPING SCREW IS RECOMMENDED, TORQUE 2-3 IN. LBS. [0.23 - 0.34 Nm]

**CINCH P/N: 581 01 60 006 SHOWN  
(HEADER WITH FILTERS)**



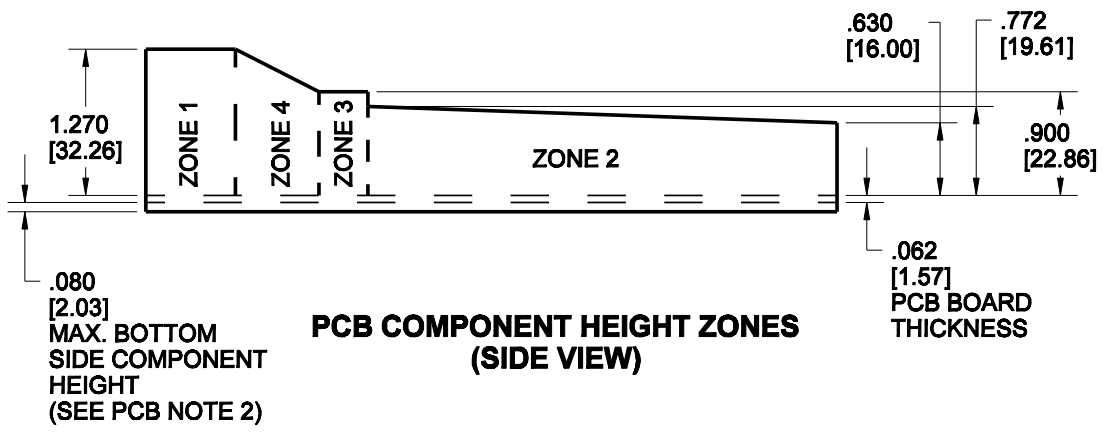
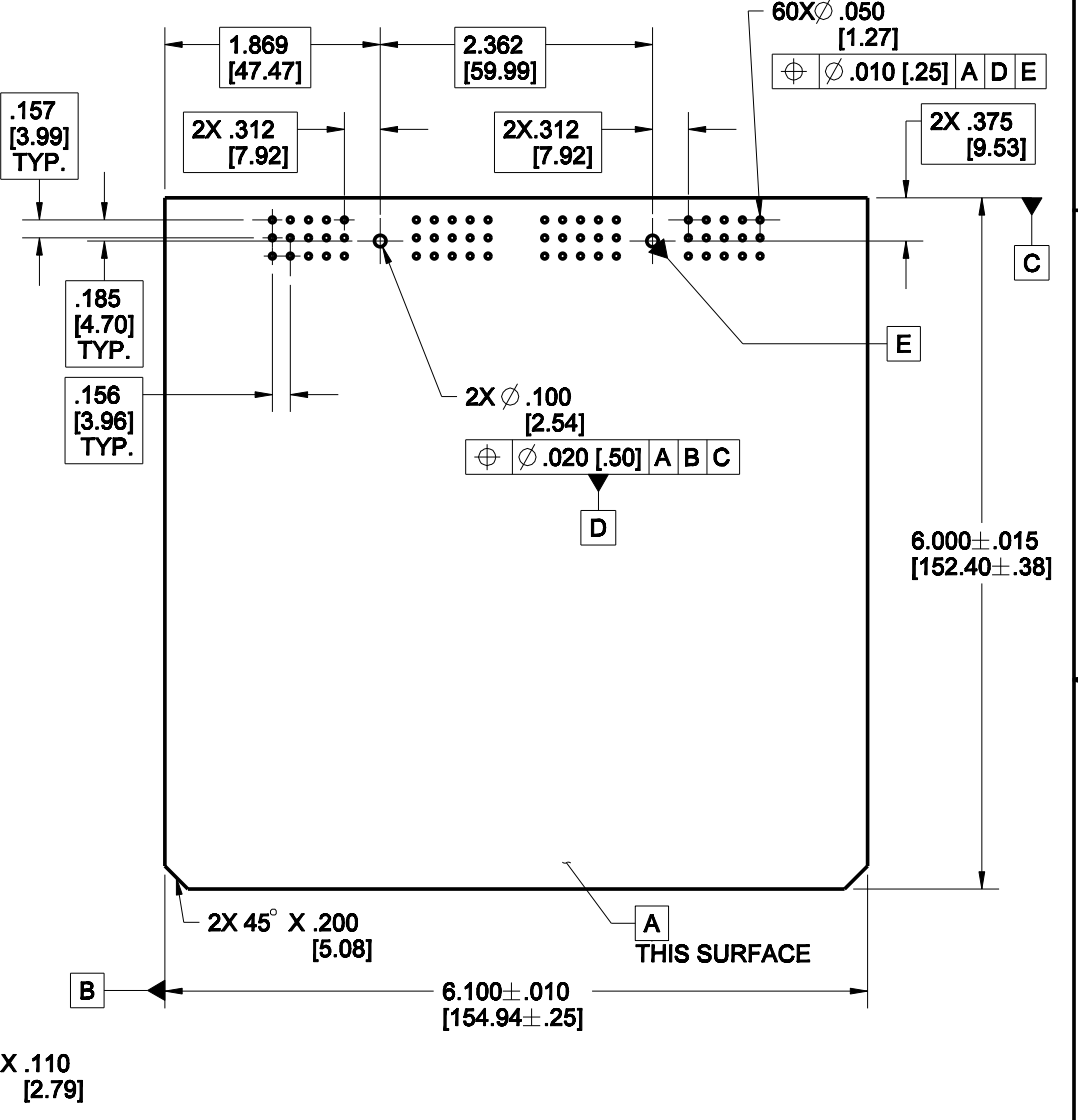
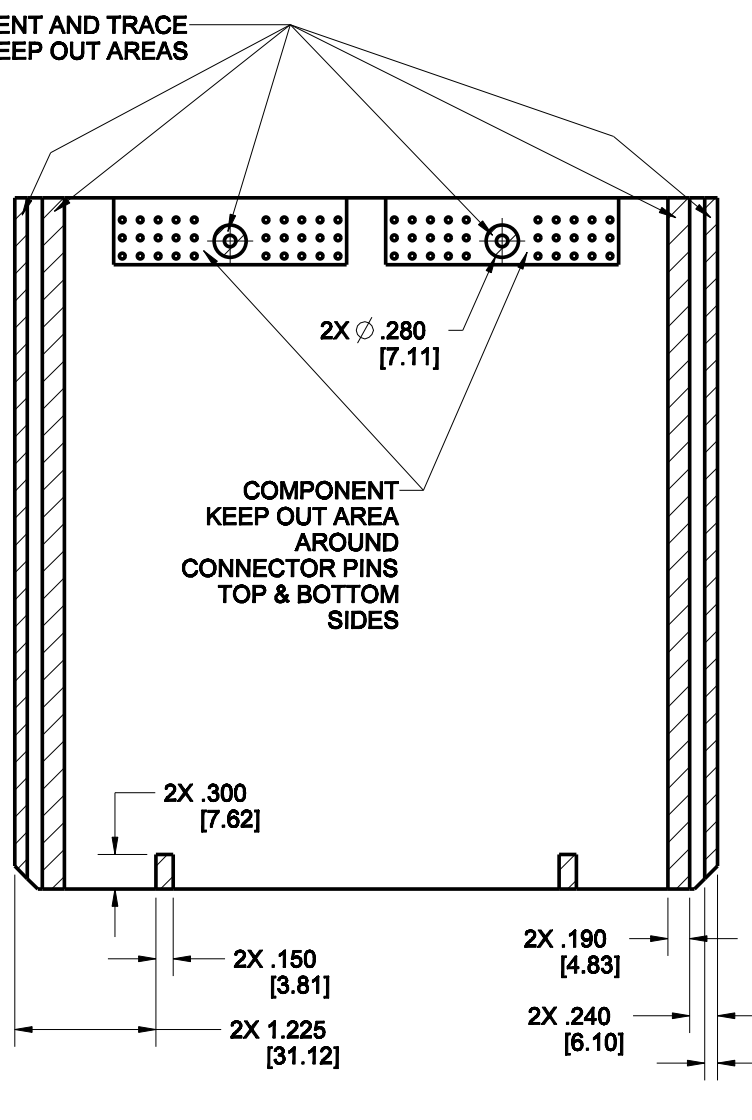
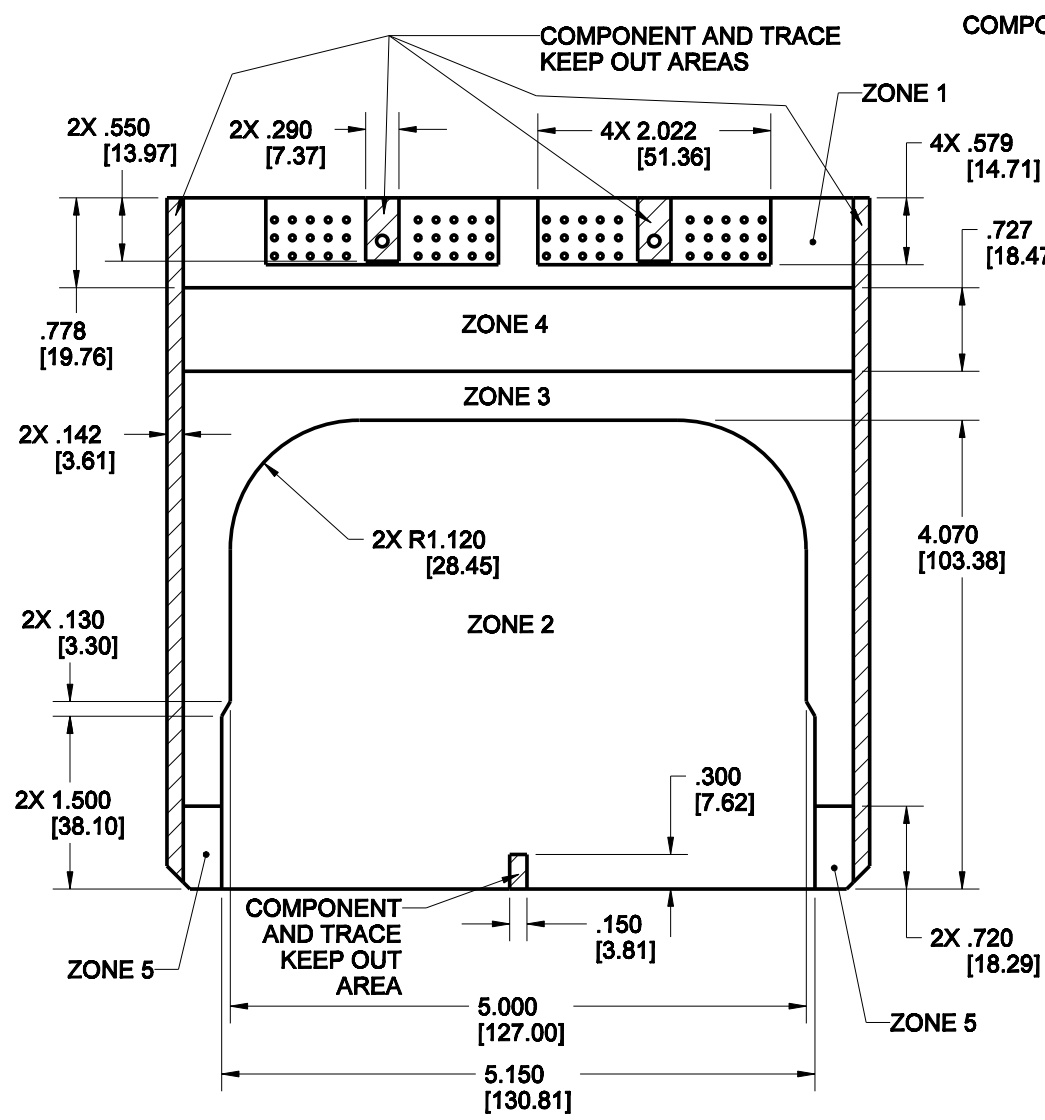
UNITS <b>ENGLISH</b>		<b>Cinch</b>		1700 FINLEY RD LOMBARD, IL 60148	
DO NOT SCALE DRAWING		TITLE <b>60-WAY HEADERS LE MODICE</b>			
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		PRO/E DRAWING			
FILLET/RADI .02 MAX	TOLERANCES X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5	CAD FILE NUMBER 5810160006_HEADER	DRAWING NUMBER <b>581 01 60 005S</b>	REV <b>C</b>	
THIS DOCUMENT IS THE PROPERTY OF CINCH. NEITHER THIS DOCUMENT NOR ANY OF THE INFORMATION CONTAINED IN IT MAY BE DUPLICATED OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF CINCH.		CAGE IDENT NO. <b>71785</b>	SCALE <b>B</b>	1:1	SHEET 2 OF 6

# PCB LAYOUT WITHOUT HEAT SINKS

**PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS**

**PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS**

**PCB OVERALL DIMENSIONS AND HOLE LOCATIONS**



PCB COMPONENTS HEIGHT LIMIT					
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
MAX. HEIGHT FOR COMPONENTS (ABOVE PCB)	1.270"	SEE PCB NOTE 3	.900"	SEE PCB NOTE 3	.420"

**PCB NOTES:**

- ON BOTTOM SIDE OF THE PCB, COMPONENTS OR TRACES MUST BE MIN. .100" AWAY FROM THE EDGE OF THE PCB.
- THE BOTTOM SIDE OF THE PCB SHOULD NOT HAVE COMPONENTS OR LEADS THAT EXTEND HIGHER THAN .080" (SEE PG. 6 SIDE VIEW).
- AREA HAS VARIABLE HEIGHT. SEE PCB COMPONENT HEIGHT ZONES VIEW FOR DETAILS.

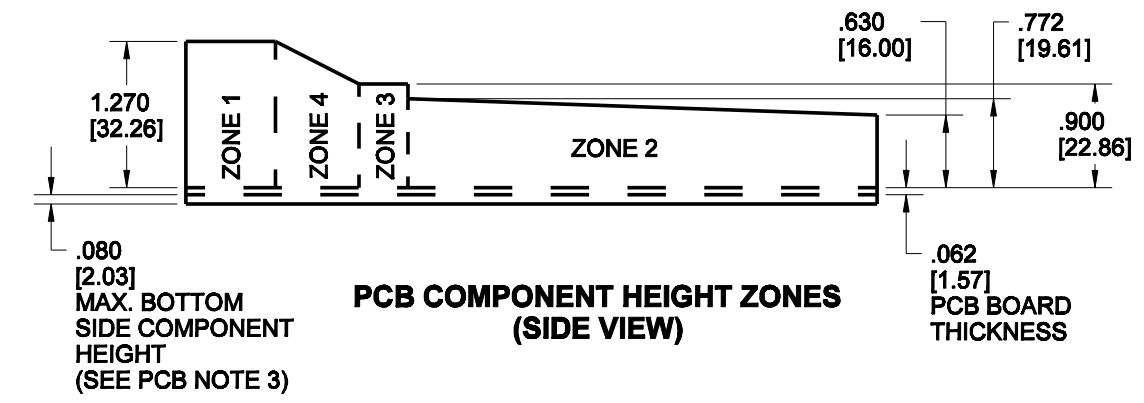
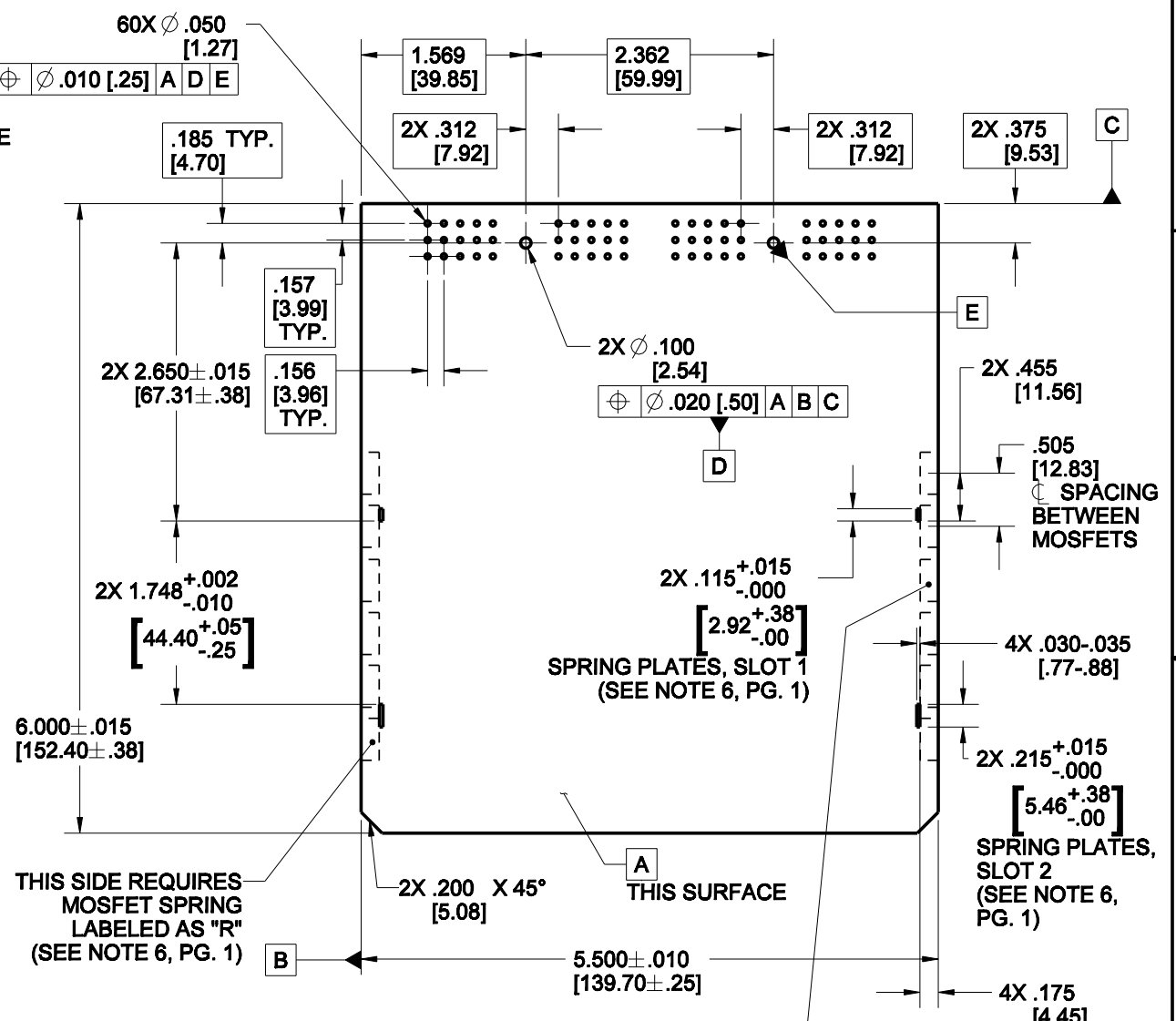
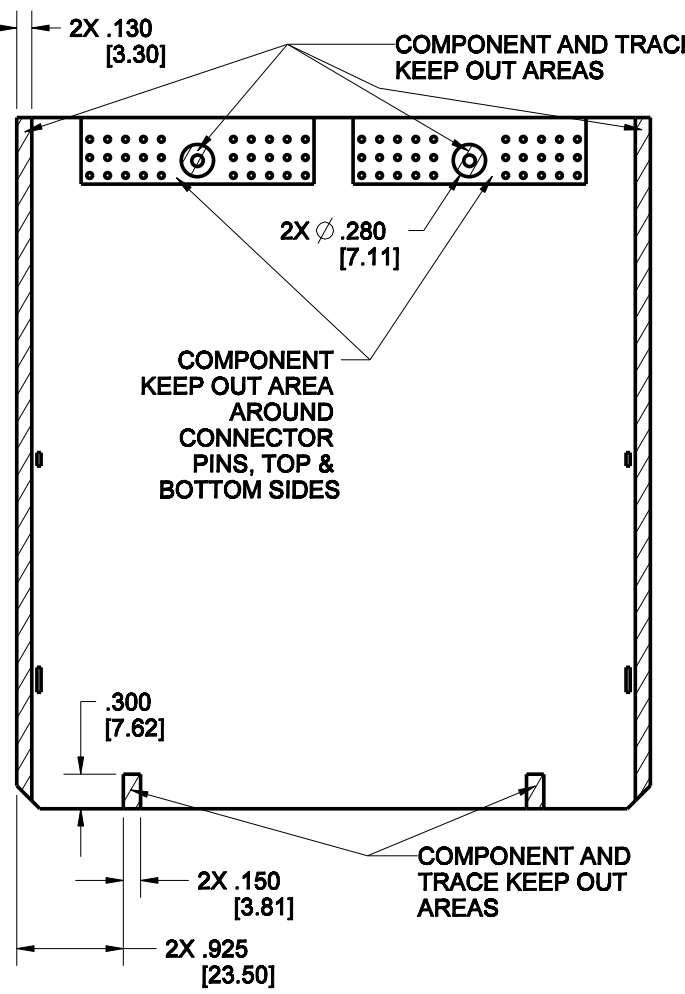
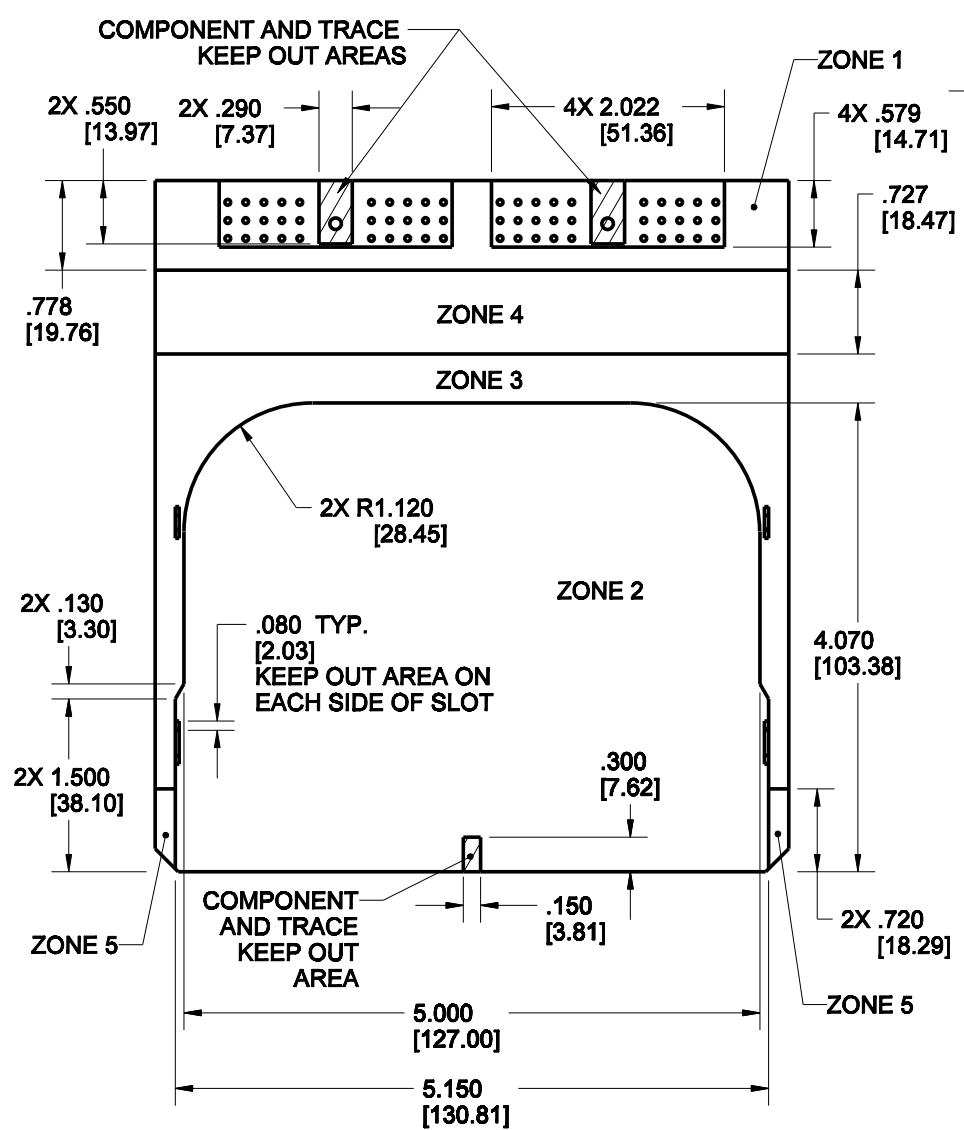
UNITS	ENGLISH				1700 FINLEY RD LOMBARD, IL. 60148	
DO NOT SCALE DRAWING					60-WAY HEADERS LE MODICE	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES			TITLE			
FILLET/RADI .02 MAX			60-WAY HEADERS LE MODICE			
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH			PRO/E DRAWING			
THIS DOCUMENT IS THE PROPERTY OF CINCH. NEITHER THIS DOCUMENT NOR ANY OF THE INFORMATION CONTAINED IN IT MAY BE DUPLICATED OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF CINCH.			CAD FILE NUMBER 5810160005_HEADER	DRAWING NUMBER <b>581 01 60 005S</b>	REV <b>C</b>	
			CAGE IDENT NO. <b>71785</b>	SCALE <b>B</b>	3:5	SHEET 3 OF 6

# PCB LAY-OUT WITH TWO HEAT SINKS

## PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

## PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS

## PCB OVERALL DIMENSIONS AND HOLE LOCATIONS



PCB COMPONENTS HEIGHT LIMIT					
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5
MAX. HEIGHT FOR COMPONENTS (ABOVE PCB)	1.270"	SEE PCB NOTE 4	.900"	SEE PCB NOTE 4	.420"

- PCB NOTES:**
- IF MOSFET SPRINGS ARE USED, ZONE 3 SHOULD CONTAIN ONLY MOSFETS AND TRACES BETWEEN THE SPRINGS AND EDGE OF THE BOARD.
  - ON BOTTOM SIDE OF THE PCB, COMPONENTS OR TRACES MUST BE MIN. .100" AWAY FROM THE EDGE OF THE PCB.
  - THE BOTTOM SIDE OF THE PCB SHOULD NOT HAVE COMPONENTS OR LEADS THAT EXTEND HIGHER THAN .080" (SEE PG. 6 SIDE VIEW).
  - AREA HAS VARIABLE HEIGHT. SEE PCB COMPONENT HEIGHT ZONES VIEW FOR DETAILS.

MOSFET LOCATION(S)  
MAX. 6 TO-220 STYLE  
MOSFETS PER SIDE  
THIS SIDE REQUIRES  
MOSFET SPRING  
LABELED AS "L"  
(SEE NOTE 6, PG. 1)

UNITS	ENGLISH				1700 FINLEY RD LOMBARD, IL. 60148	
DO NOT SCALE DRAWING					TITLE	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES			FILLETS/RADI		TOLERANCES	
			.02 MAX		X $\pm$ .1 .XX $\pm$ .01 .XXX $\pm$ .005 ANGULAR $\pm$ .5	
THIS DOCUMENT IS THE PROPERTY OF CINCH. NEITHER THIS DOCUMENT NOR ANY OF THE INFORMATION CONTAINED IN IT MAY BE DUPLICATED OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF CINCH.			CAD FILE NUMBER		DRAWING NUMBER	
			5810180005_HEADER		581 01 60 005S	
			CAGE IDENT NO.		REV	
			71785		C	
			SCALE		SHEET 4 OF 6	
			3:5			



8 7 6 5 4 3 2 1

D

D

C

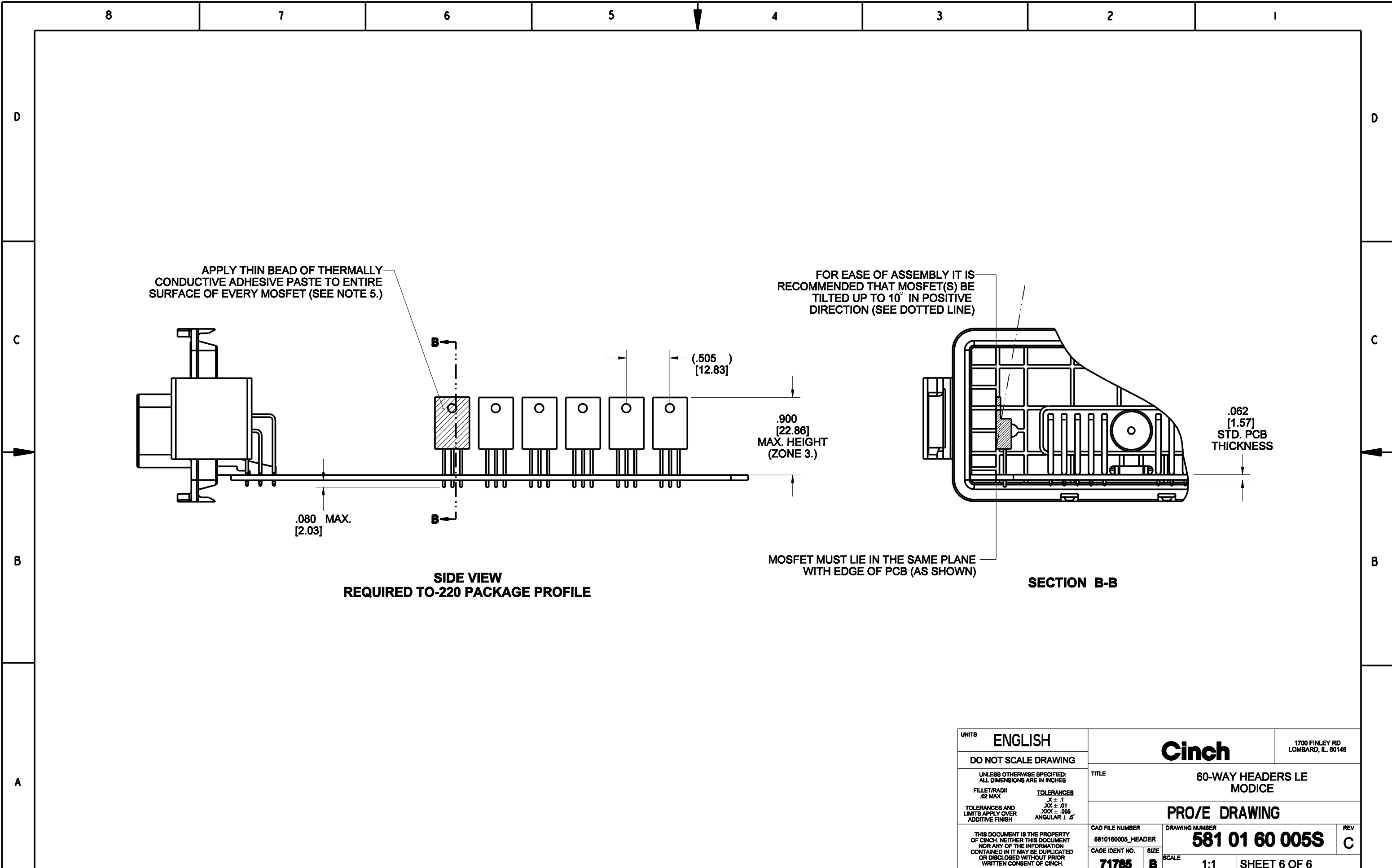
C

B

B

A

A



APPLY THIN BEAD OF THERMALLY CONDUCTIVE ADHESIVE PASTE TO ENTIRE SURFACE OF EVERY MOSFET (SEE NOTE 5.)

FOR EASE OF ASSEMBLY IT IS RECOMMENDED THAT MOSFET(S) BE TILTED UP TO 10° IN POSITIVE DIRECTION (SEE DOTTED LINE)

**SIDE VIEW  
REQUIRED TO-220 PACKAGE PROFILE**

**SECTION B-B**

UNITS <b>ENGLISH</b>		<b>Cinch</b>		1700 FINLEY RD LOMBARD, IL 60148	
DO NOT SCALE DRAWING					
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		TITLE <b>60-WAY HEADERS LE MODICE</b>			
FILLET/RADI .02 MAX		TOLERANCES X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5			
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH		PRO/E DRAWING			
THIS DOCUMENT IS THE PROPERTY OF CINCH. NEITHER THIS DOCUMENT NOR ANY OF THE INFORMATION CONTAINED IN IT MAY BE DUPLICATED OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF CINCH.		CAD FILE NUMBER 5810180006_HEADER	DRAWING NUMBER <b>581 01 60 005S</b>	REV <b>C</b>	
CAGE IDENT NO. <b>71785</b>	SIZE <b>B</b>	SCALE 1:1	SHEET 6 OF 6		

8 7 6 5 4 3 2 1

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.);

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## 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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Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

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

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