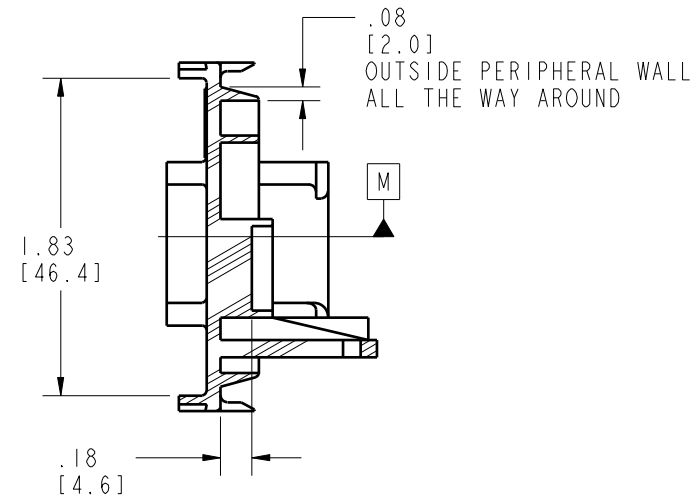
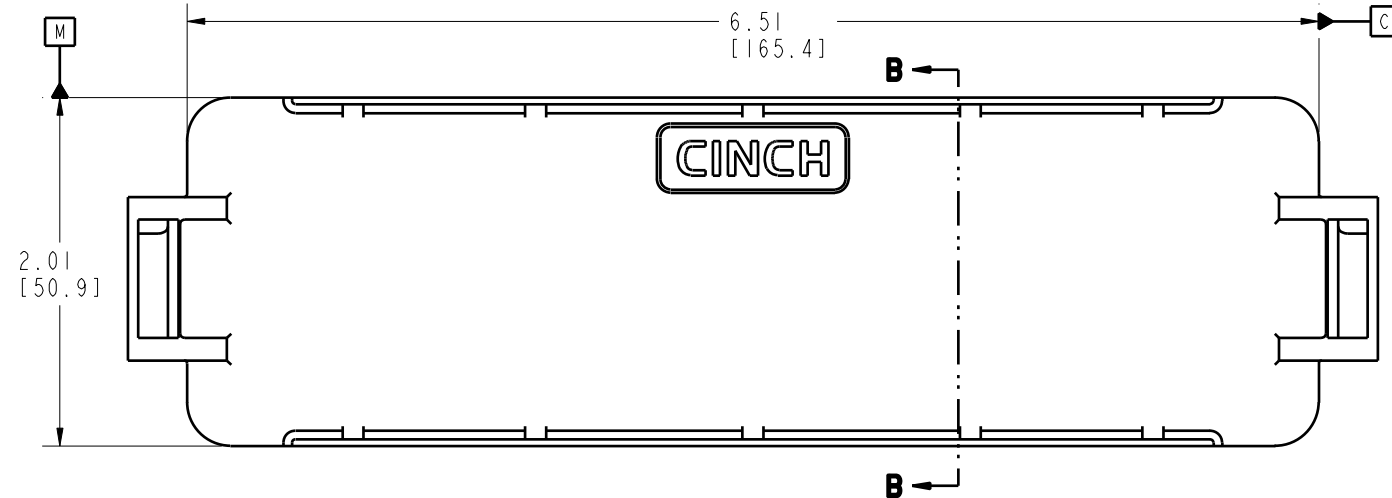
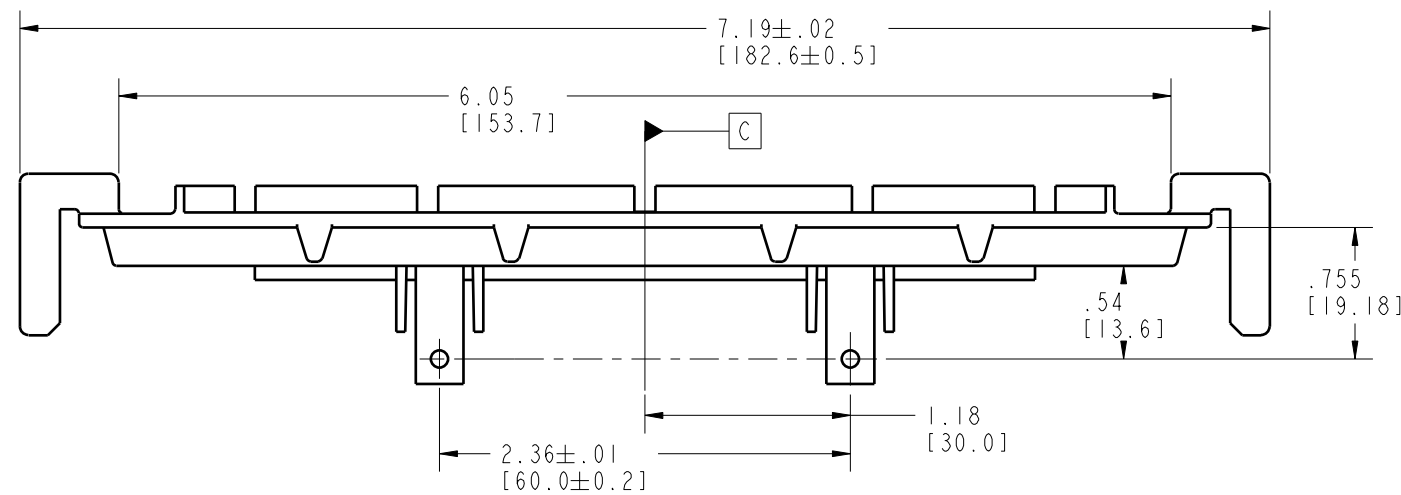


DRAWING REVISIONS

REV	DOCUMENT	APP	DATE
A	RELEASE DO 07-1065	A.C.	1/16/08

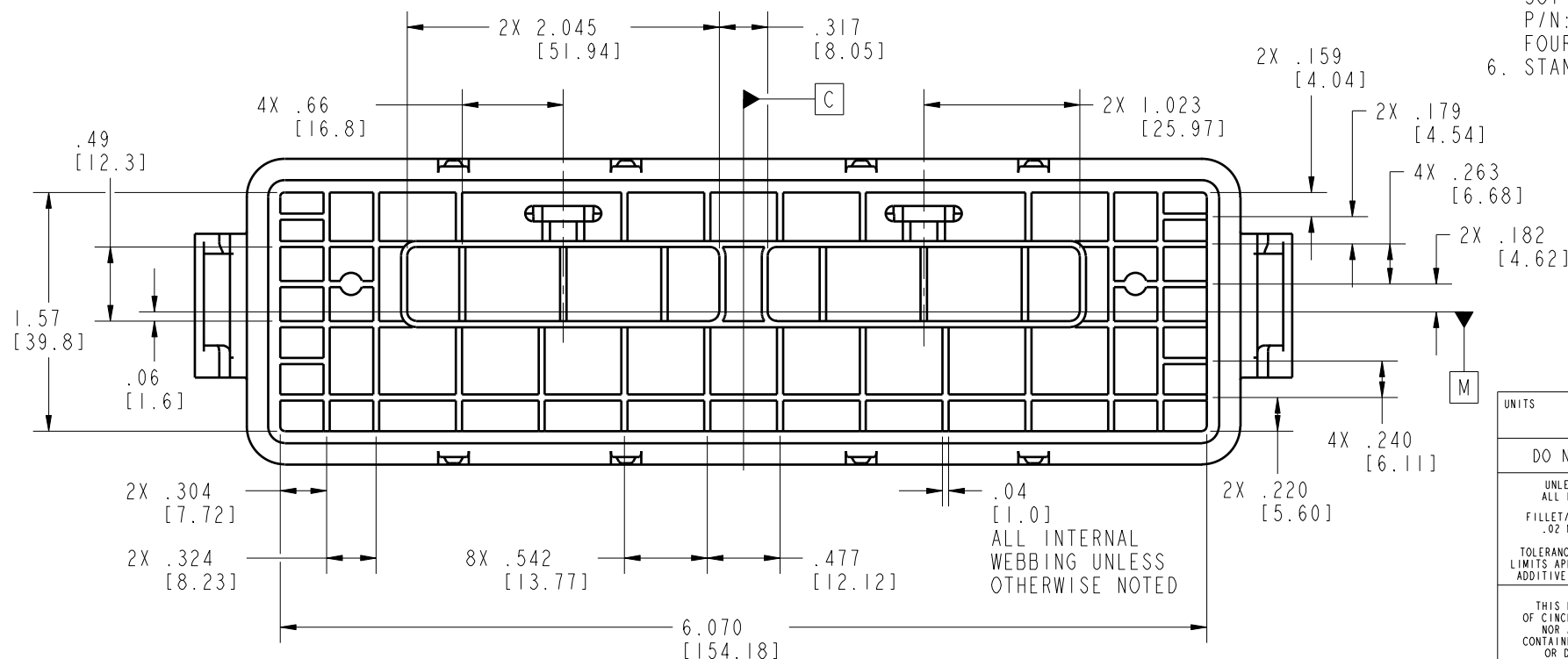


SECTION B-B



NOTES:

1. ALL DIMENSIONS ARE IN INCHES; DIMENSION INSIDE [.XX] ARE IN MM, AS REF. ONLY.
2. MATERIAL: 30 % GLASS FILLED POLYMER, COLOR: BLACK
3. ALL HEADERS ARE REFLOW OR WAVE SOLDERING PROCESS, ROHS COMPLIANT.
4. THERMALLY CONDUCTIVE ADHESIVE PASTE SOLD SEPARATELY: RECOMMENDED IS LOCTITE 383.
5. 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 FOUR SLOTS BE PROTECTED DURING CONFORMAL COATING)
6. STANDARD PACKAGE SIZE: 36 PARTS/CARTON BOX.



RoHS COMPLIANT

MODELED BY:

UNITS	ENGLISH	PRO/E	Cinch	
DO NOT SCALE DRAWING	DRAWN BY A. ECKHART	DATE 1/11/08	TITLE MODICE LE HEADER BLANK	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES	DESIGN ENGINEER A. ECKHART	1/11/08	MATERIAL CONTROL SPEC NUMBER	
FILLET/RADII .02 MAX	DESIGN ENGINEERING MGR. A. CAINES	1/16/08	MATERIAL SPEC NUMBER	FINISH BLACK
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH	MFG. ENGINEERING R. GARZA	1/23/08	CAD FILE NUMBER 5810000028S	DRAWING NUMBER 581 00 00 028S
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.	QUALITY ASSURANCE D. DE LA PENA	1/28/08	CAGE IDENT NO. SIZE 71785 B	SCALE 7:8
				SHEET 1 OF 5

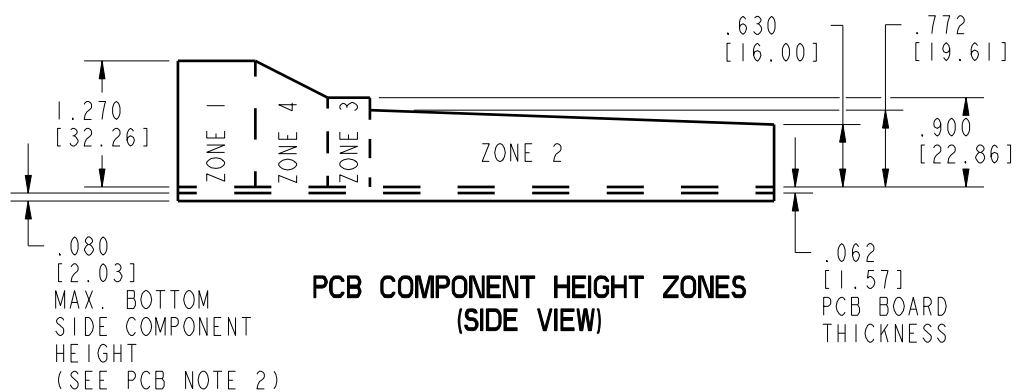
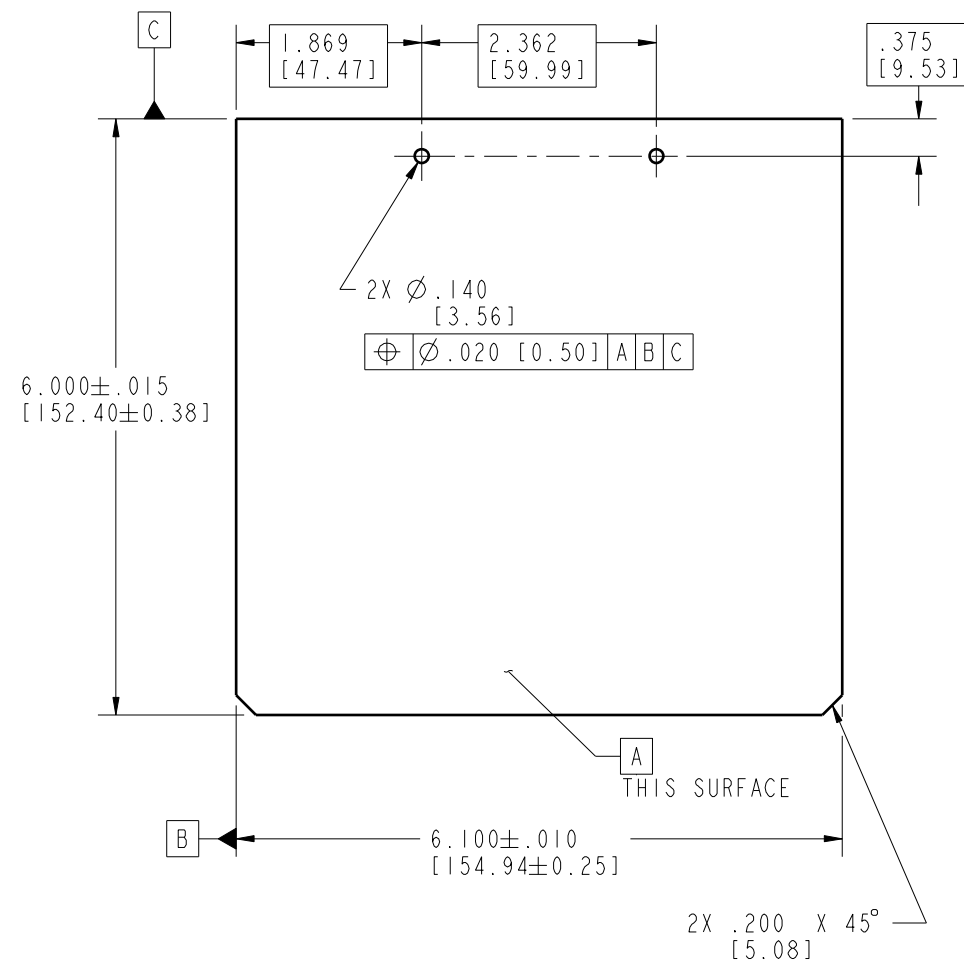
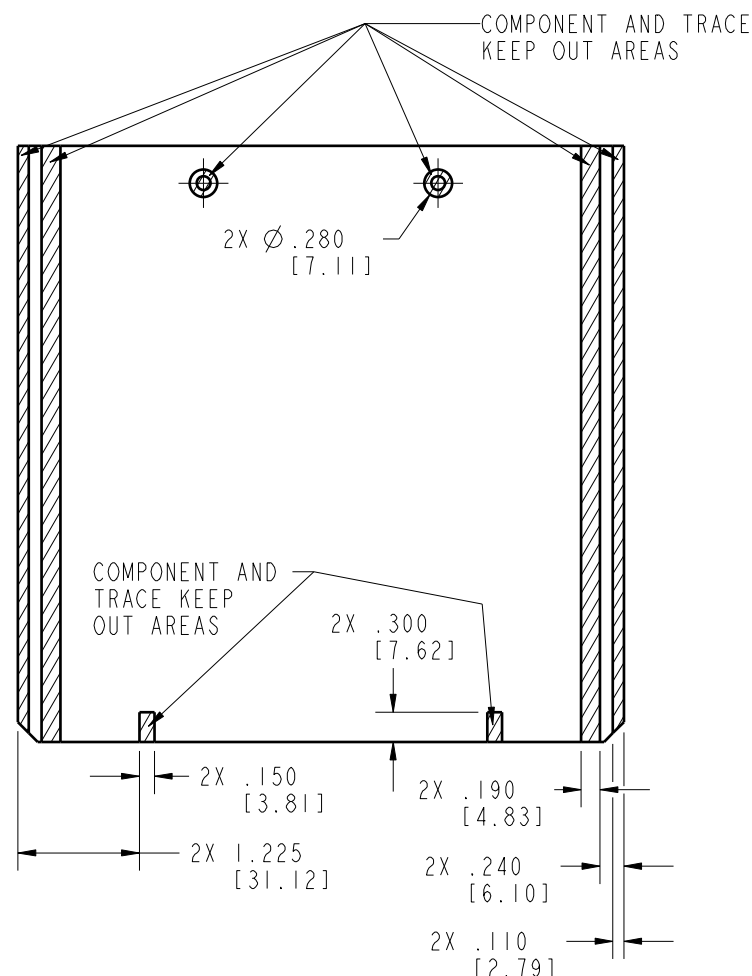
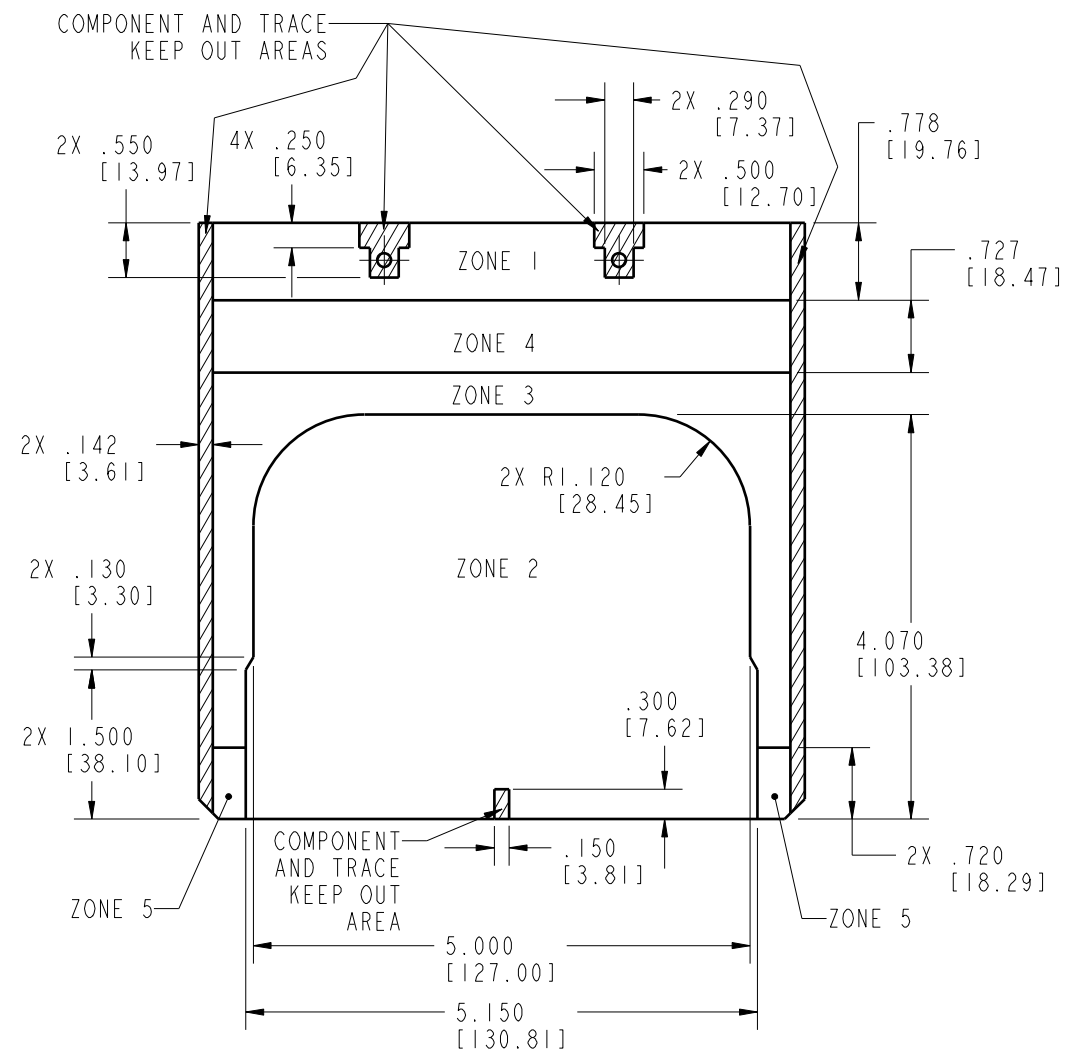
A

# 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"

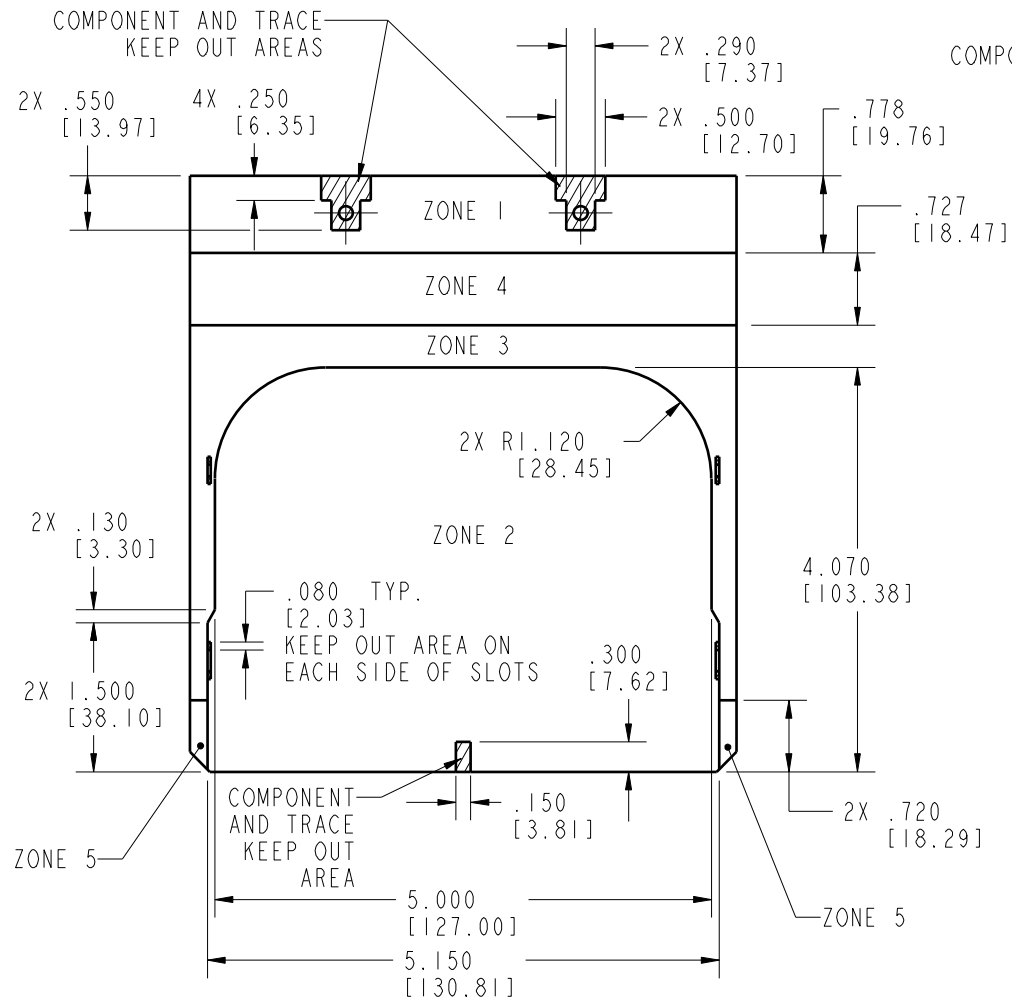
**PCB NOTES:**

- 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.

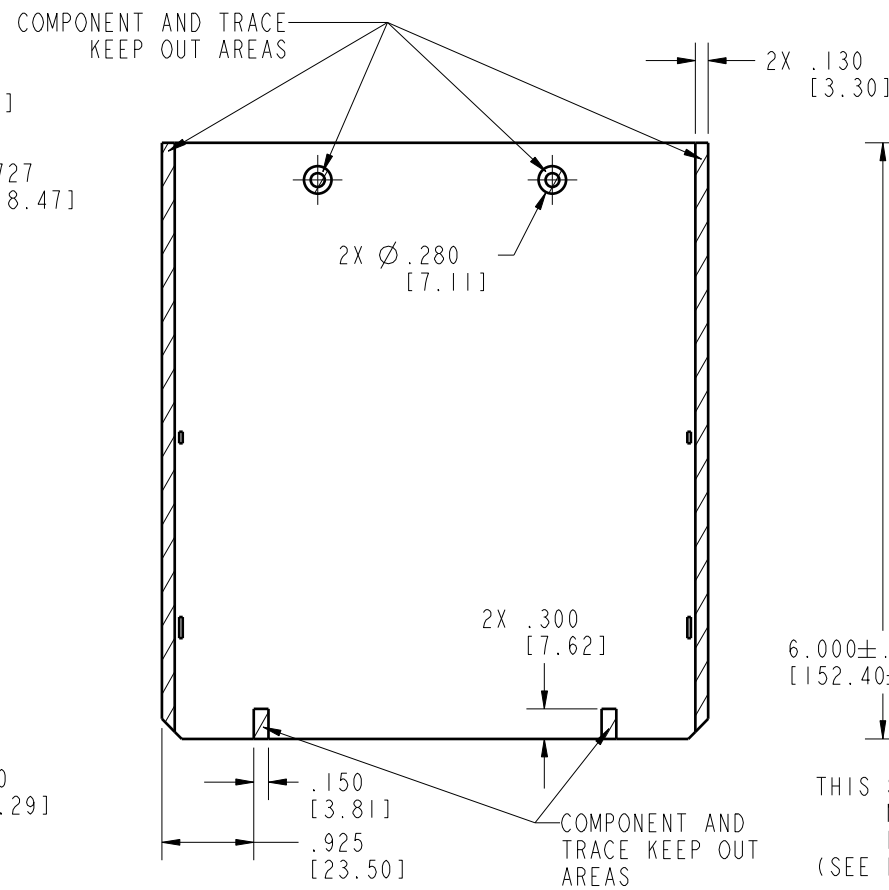
UNITS <b>ENGLISH</b>		<b>Cinch</b>		1700 FINLEY RD. LOMBARD, IL. 60148	
DO NOT SCALE DRAWING		TITLE 60-WAY HEADERS LE MODICE			
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		<b>PRO/E DRAWING</b>			
FILLET/RADII .02 MAX	TOLERANCES .X ± .1 .XX ± .01 .XXX ± .005 ADDITIVE FINISH	CAD FILE NUMBER 5810000028S	DRAWING NUMBER 581 00 00 028S	REV A	
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. SIZE 71785 B	SCALE 3:5	SHEET 2 OF 5	

# PCB LAY-OUT WITH TWO HEAT SINKS

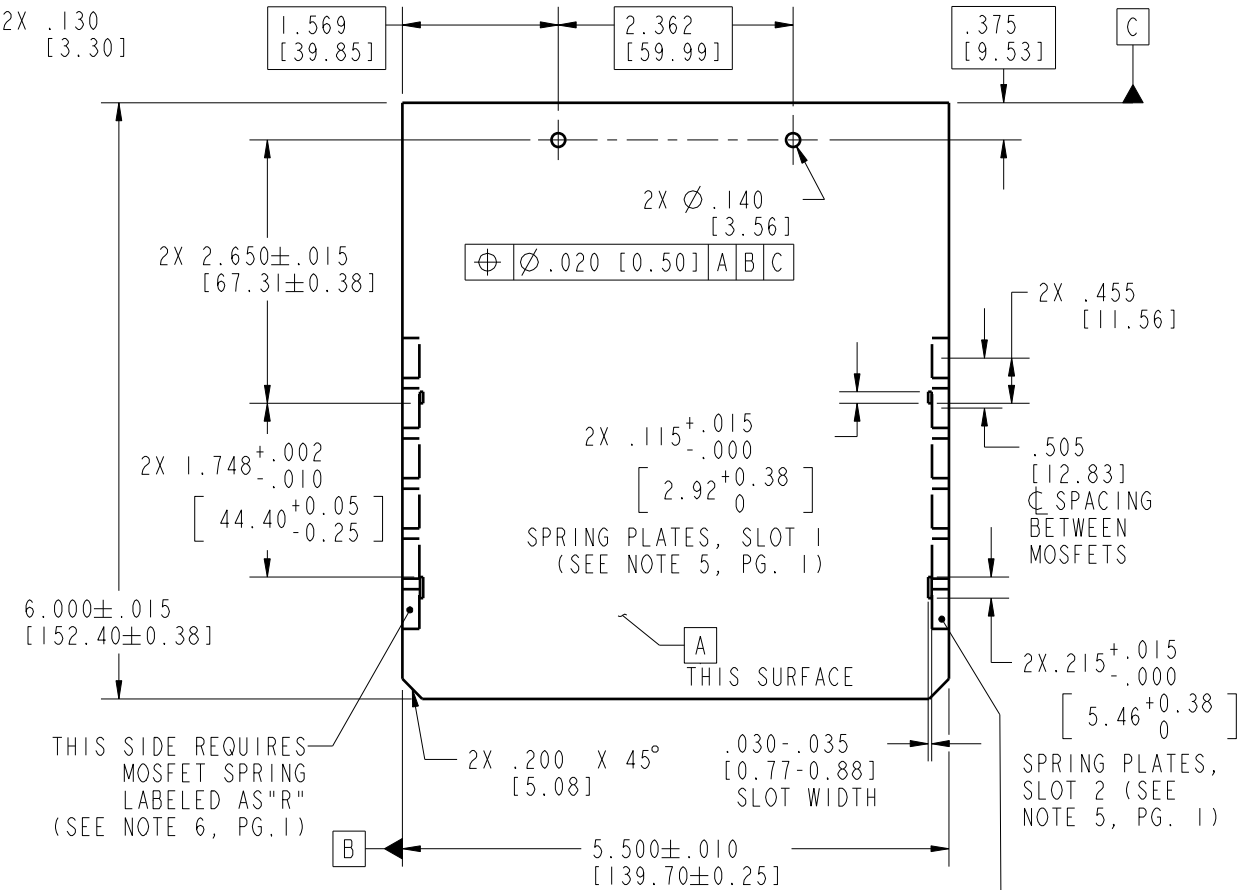
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS



PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS

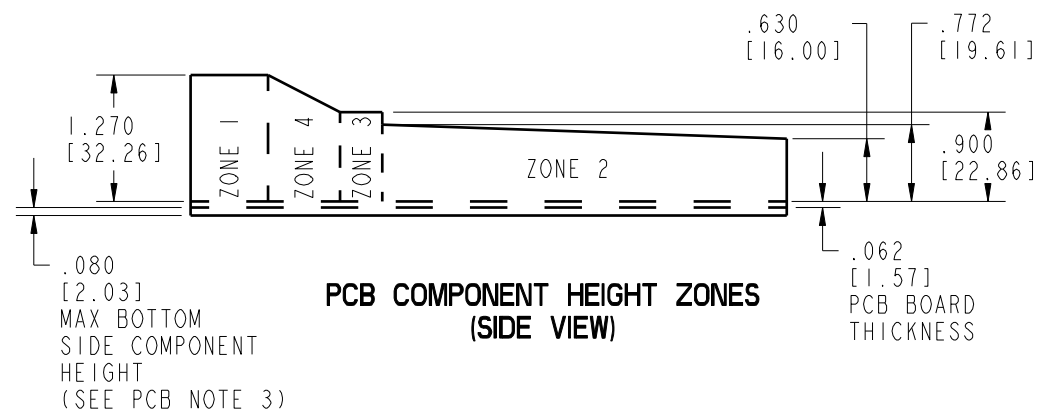


PCB OVERALL DIMENSIONS AND HOLE LOCATIONS



MOSFET LOCATION(S)  
 MAX. 6 TO-220 STYLE MOSFETS PER SIDE  
 THIS SIDE REQUIRES MOSFET SPRING LABELED AS "L" (SEE NOTE 5, PG. 1)

A



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.

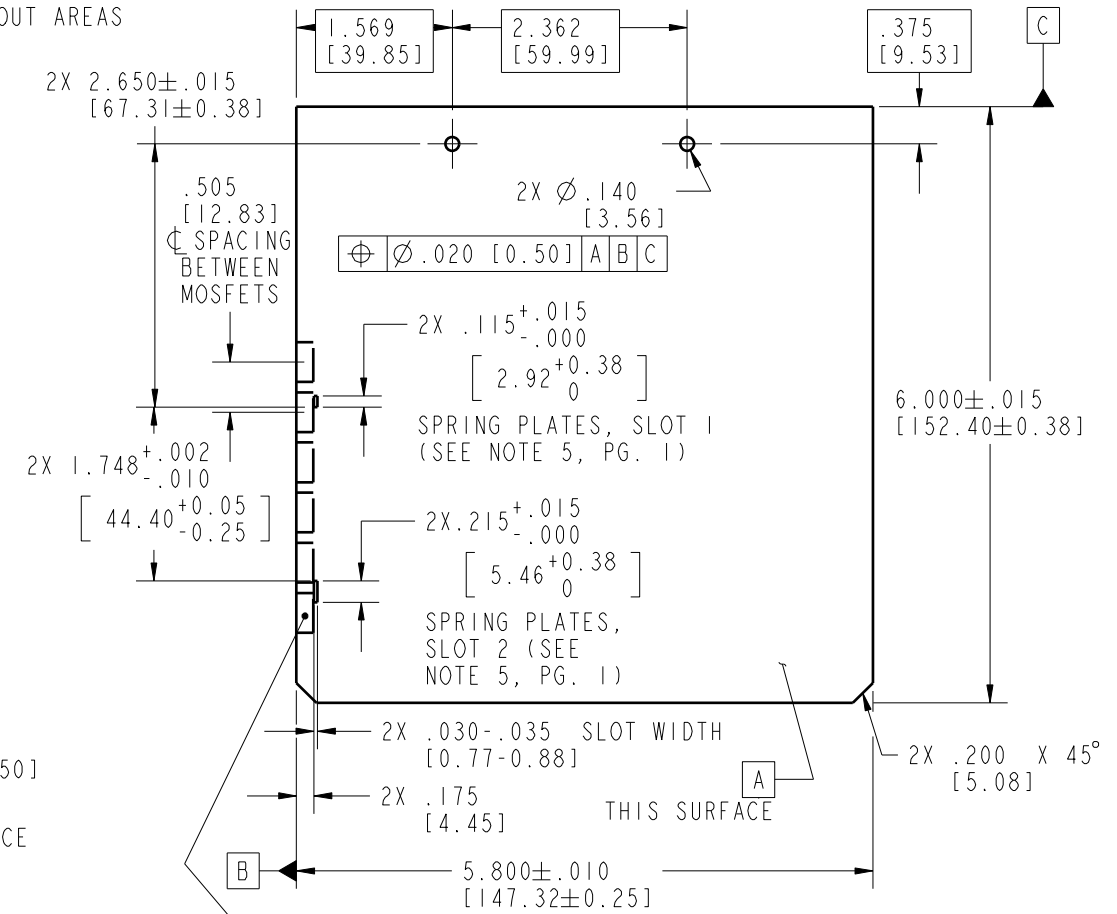
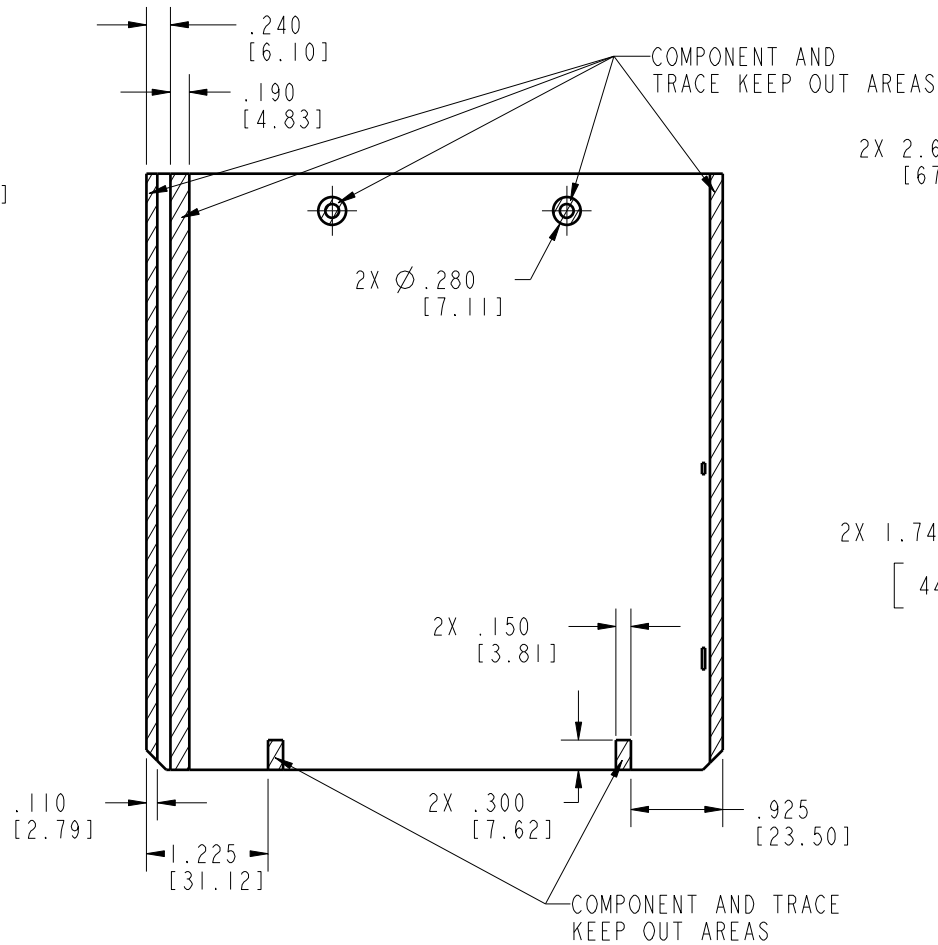
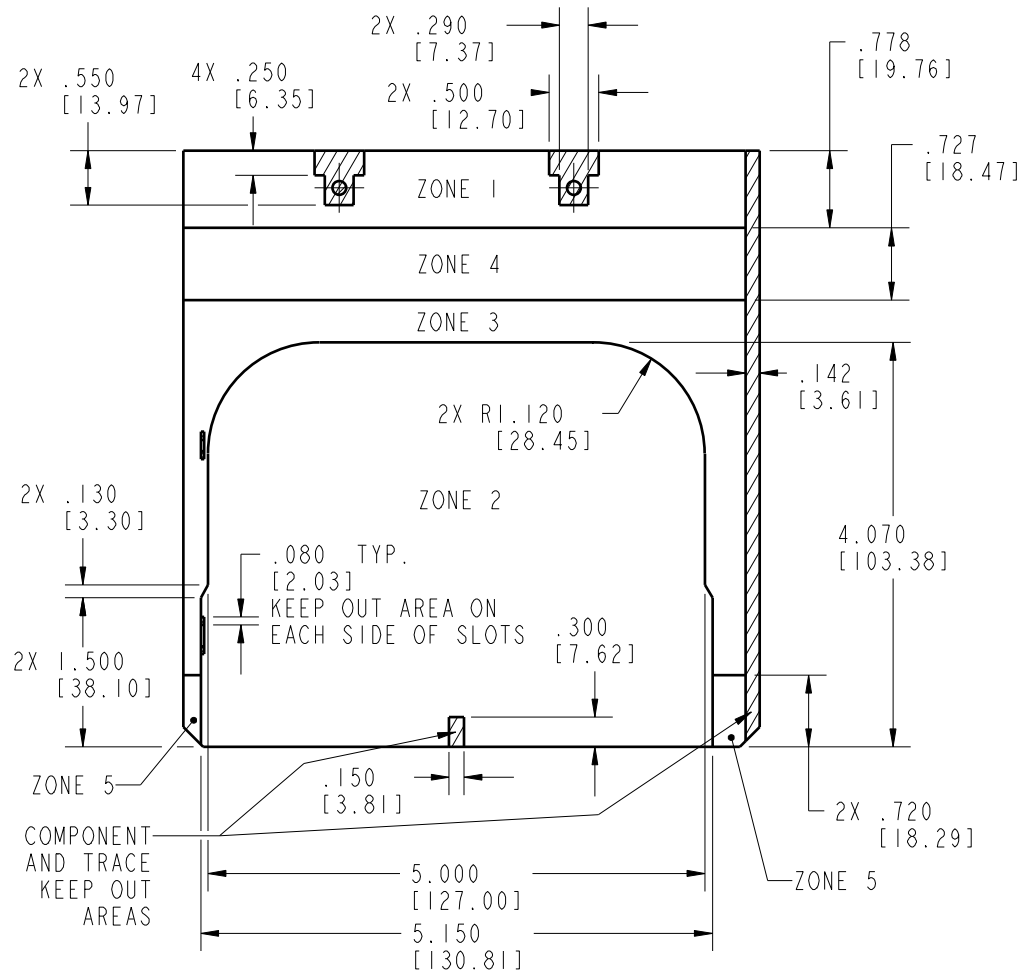
UNITS <b>ENGLISH</b>	<b>Cinch</b>		1700 FINLEY RD. LOMBARD, IL. 60148
DO NOT SCALE DRAWING	TITLE 60-WAY HEADERS LE MODICE		
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES	<b>PRO/E DRAWING</b>		
FILLET/RADII .02 MAX	TOLERANCES X ± .1 XX ± .01 XXX ± .005 ANGULAR ± .5°	CAD FILE NUMBER 5810000028S	DRAWING NUMBER 581 00 00 028S
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH	CAGE IDENT NO. SIZE 71785 B	SCALE 3:5	REV A
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.	SHEET 3 OF 5		

# PCB LAY-OUT WITH ONE HEAT SINK

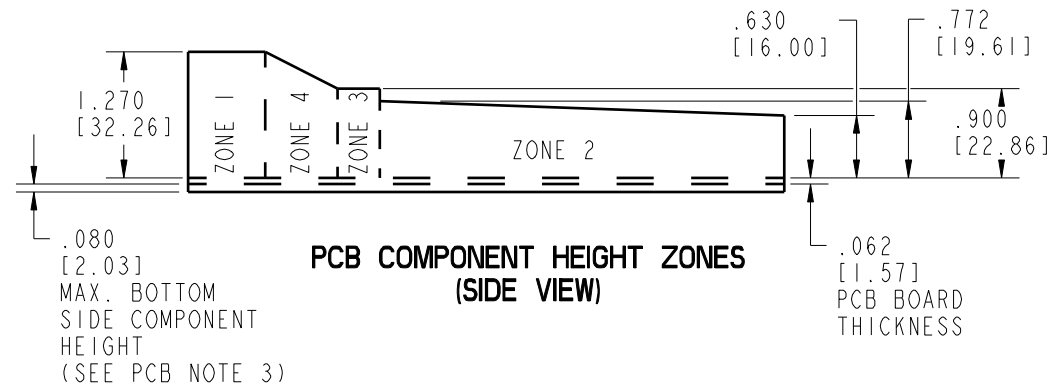
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS

PCB OVERALL DIMENSIONS AND HOLE LOCATIONS



MOSFET LOCATION(S)  
 MAX. 6 TO-220 STYLE  
 MOSFETS THIS SIDE ONLY  
 THIS SIDE REQUIRES  
 MOSFET SPRING LABELED  
 AS "R" (SEE NOTE 5, PG. 1)



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.

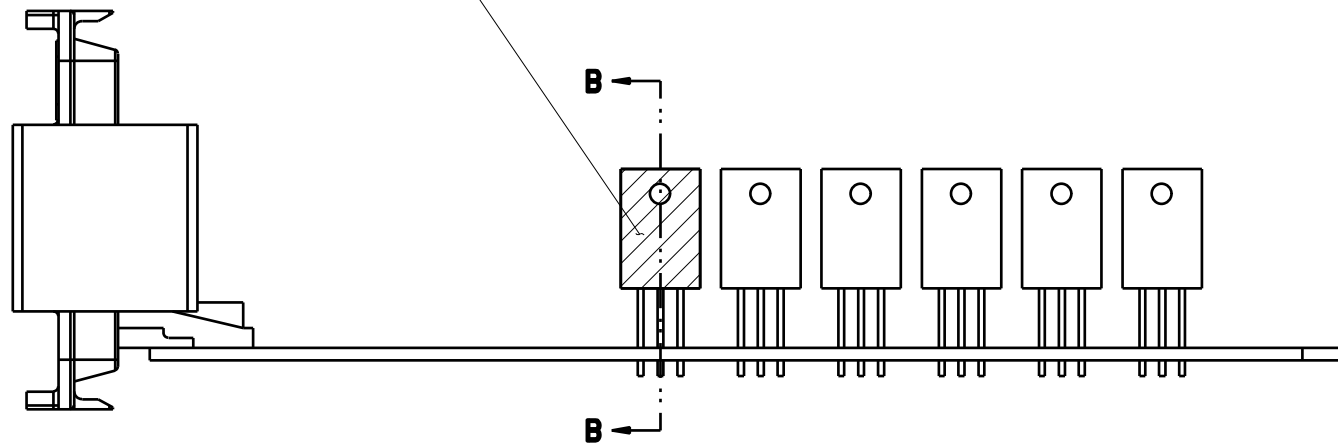
UNITS	<b>ENGLISH</b>				1700 FINLEY RD. LOMBARD, IL. 60148	
DO NOT SCALE DRAWING					TITLE	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES			PRO/E DRAWING		REV	
Fillet/Radii .02 MAX			CAD FILE NUMBER		DRAWING NUMBER	
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH			5810000028S		581 00 00 028S	
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. SIZE		SCALE	
			71785 B		3:5 SHEET 4 OF 5	

8 7 6 5 4 3 2 1

D

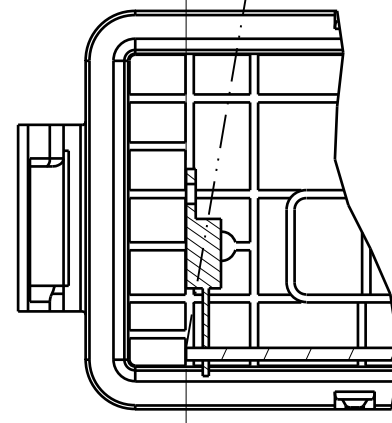
D

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



SIDE VIEW  
REQUIRED TO-220 PACKAGE PROFILE

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



MOSFET MUST LIE IN THE SAME PLANE WITH EDGE OF PCB (AS SHOWN)

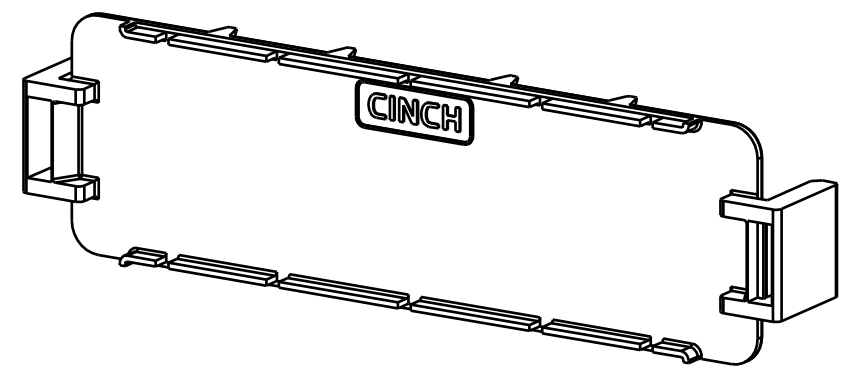
REQUIRES TO-220 PACKAGING PROFILE  
PARTIAL SECTION B-B

C

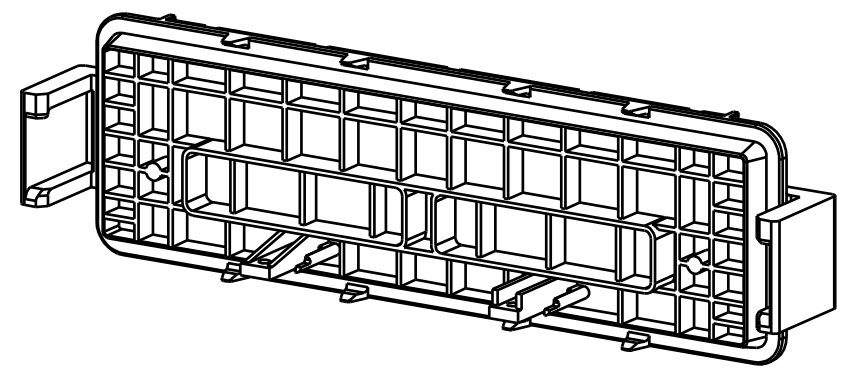
C

B

B



SCALE 5:8



SCALE 5:8

A

A

8 7 6 5 4 3 2 1

UNITS <b>ENGLISH</b>		<b>Cinch</b>		1700 FINLEY RD. LOMBARD, IL. 60148	
DO NOT SCALE DRAWING				TITLE 60-WAY HEADERS LE MODICE	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		PRO/E DRAWING			
FILLET/RADII .02 MAX	TOLERANCES .X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5°	CAD FILE NUMBER 5810000028S	DRAWING NUMBER 581 00 00 028S	REV A	
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. SIZE 71785 B	SCALE 1:1	SHEET 5 OF 5	



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

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.