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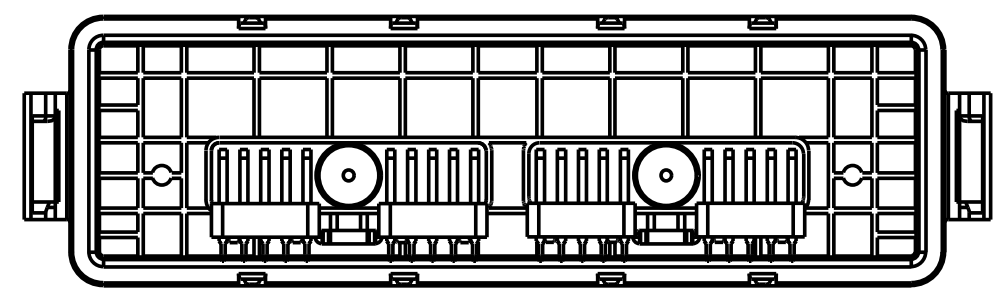
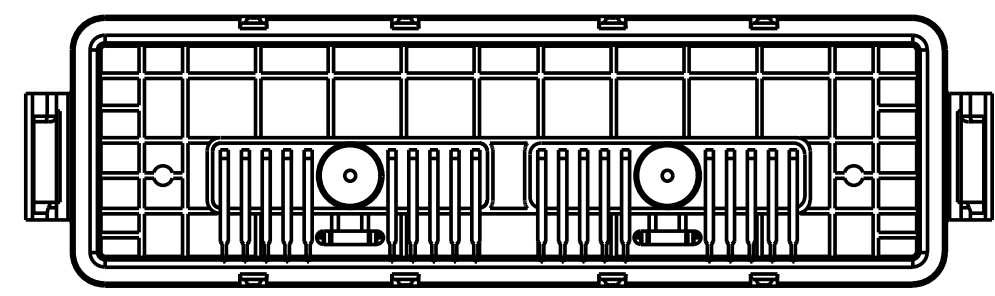
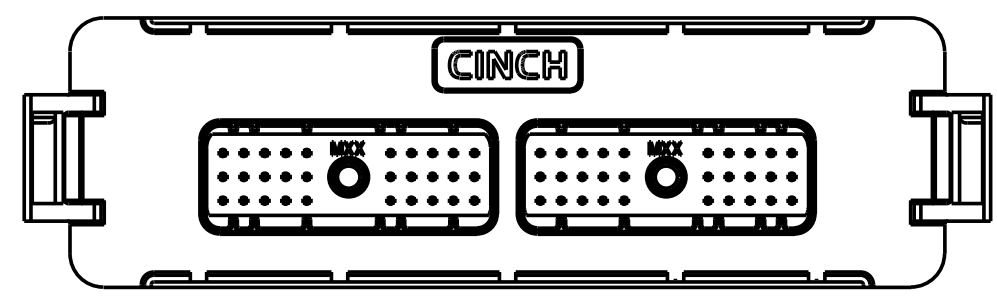
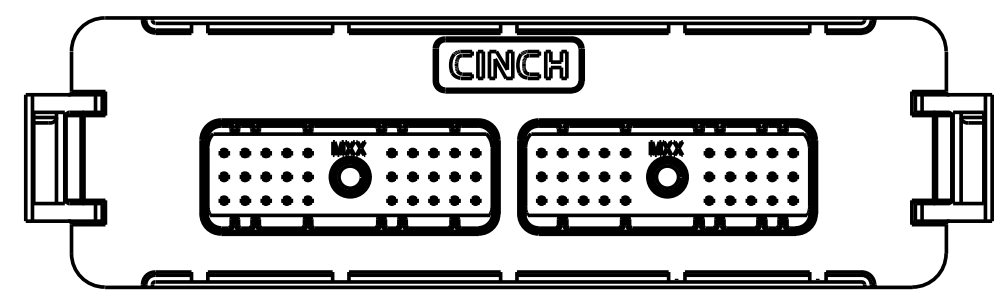
CINCH PART NUMBER MATRIX

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		MATERIAL	
TOLERANCES X ± .1 XX ± .01 XXX ± .005 ANGULAR ± .5°		B. KOSTIC	9/02/05	CONTROL SPEC NUMBER	
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH		DESIGN ENGINEERING MGR.		MATERIAL SPEC NUMBER	
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.		A. CAINES	9/5/05	FINISH	
		MFG. ENGINEERING		PROJECT NUMBER	
		R. GARZA	9/15/05	A 14562	
		QUALITY ASSURANCE		CAD FILE NUMBER	
		D. DE LA PENA	9/15/05	5810160005_HEADER	
				DRAWING NUMBER	
				581 01 60 005S	
				CAGE IDENT NO.	
				71785	
				SCALE	
				7:10	
				SHEET 1 OF 6	

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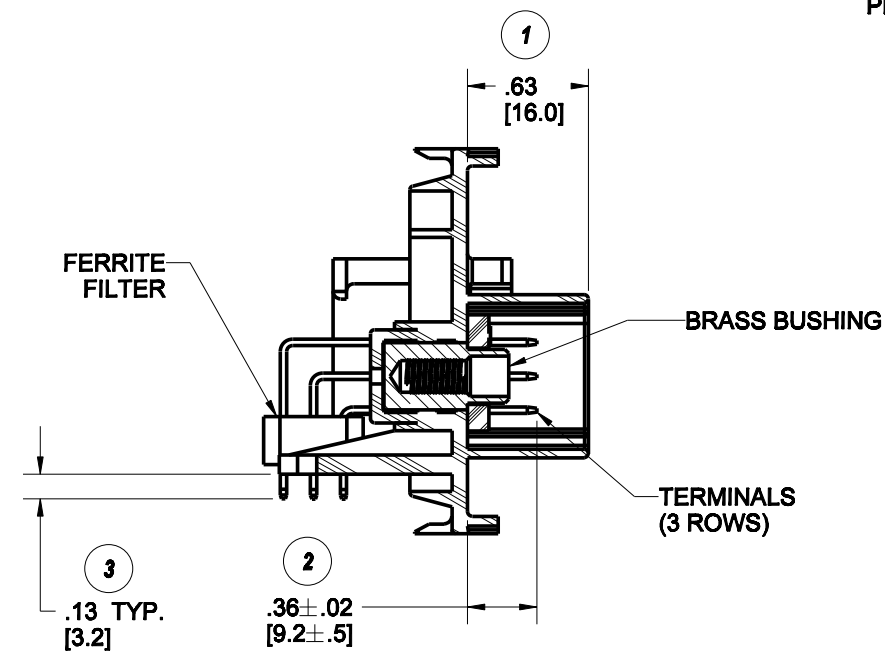
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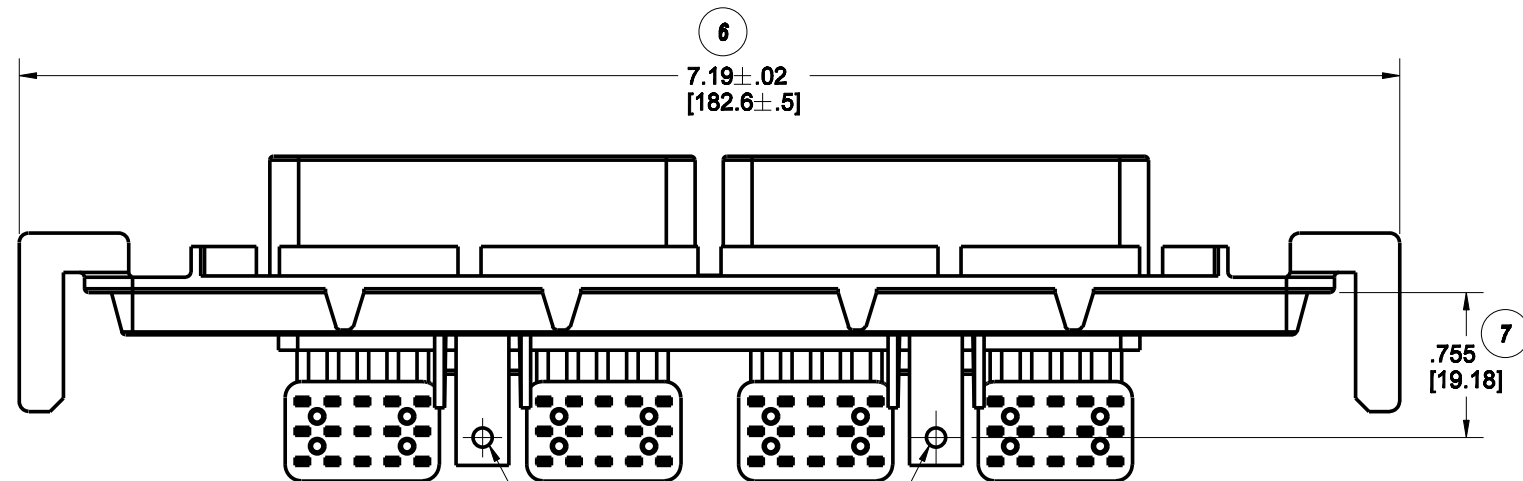
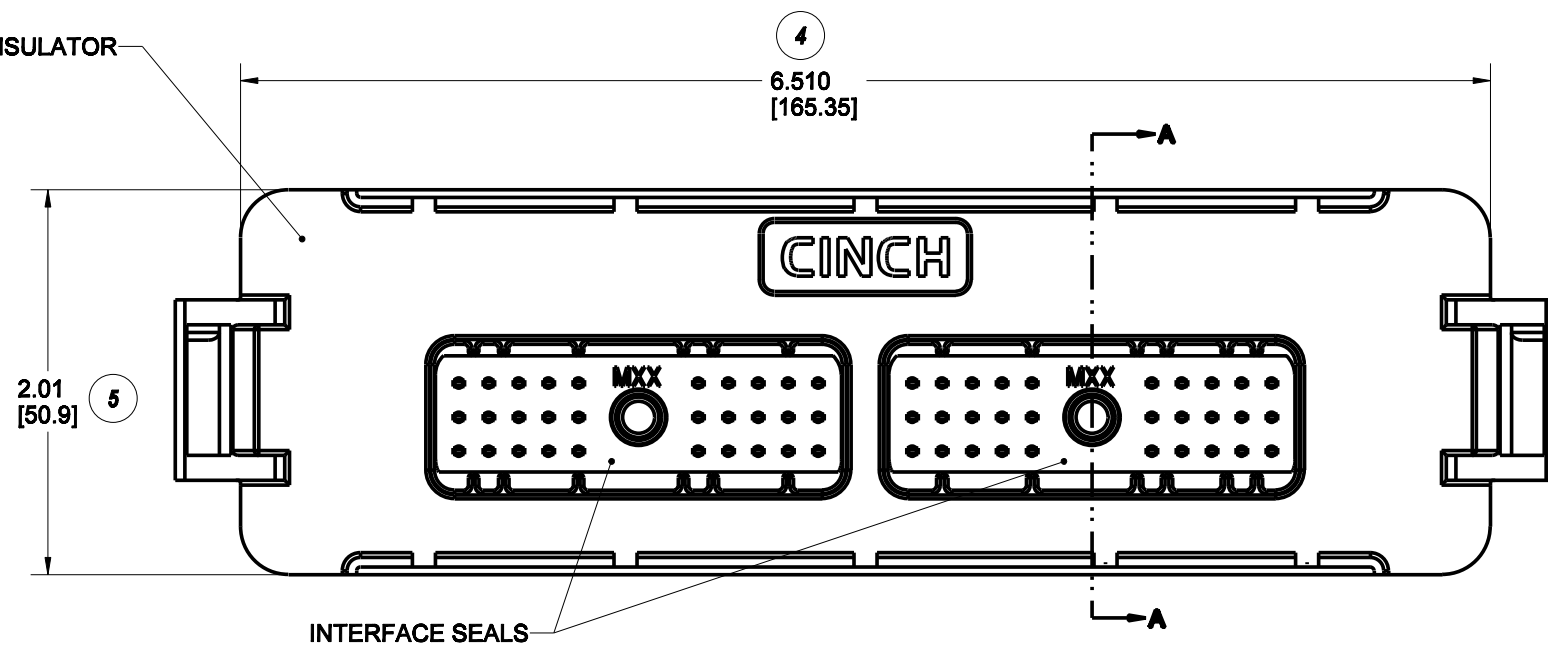
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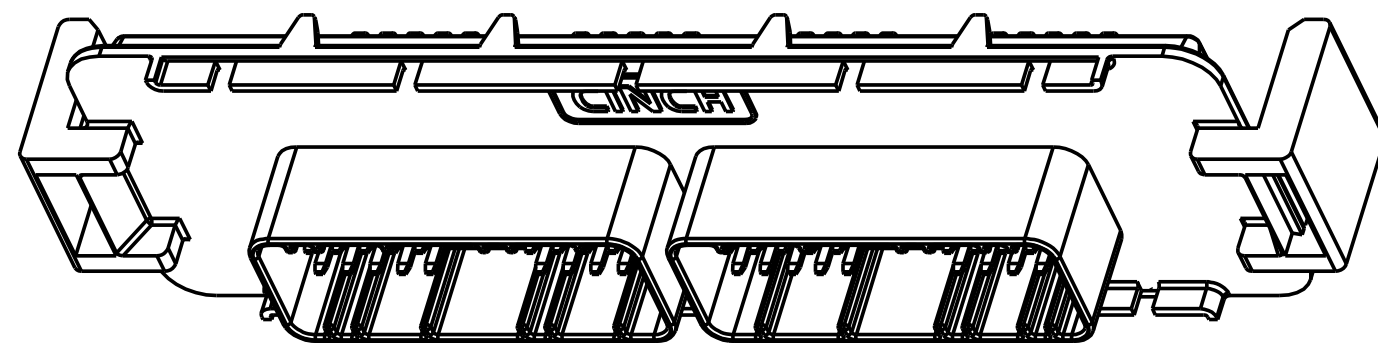


PLASTIC INSULATOR



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)**



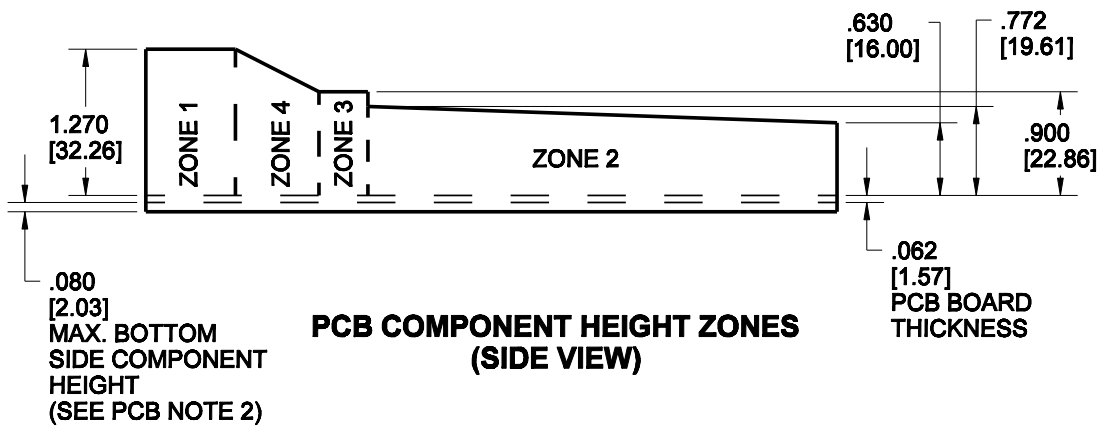
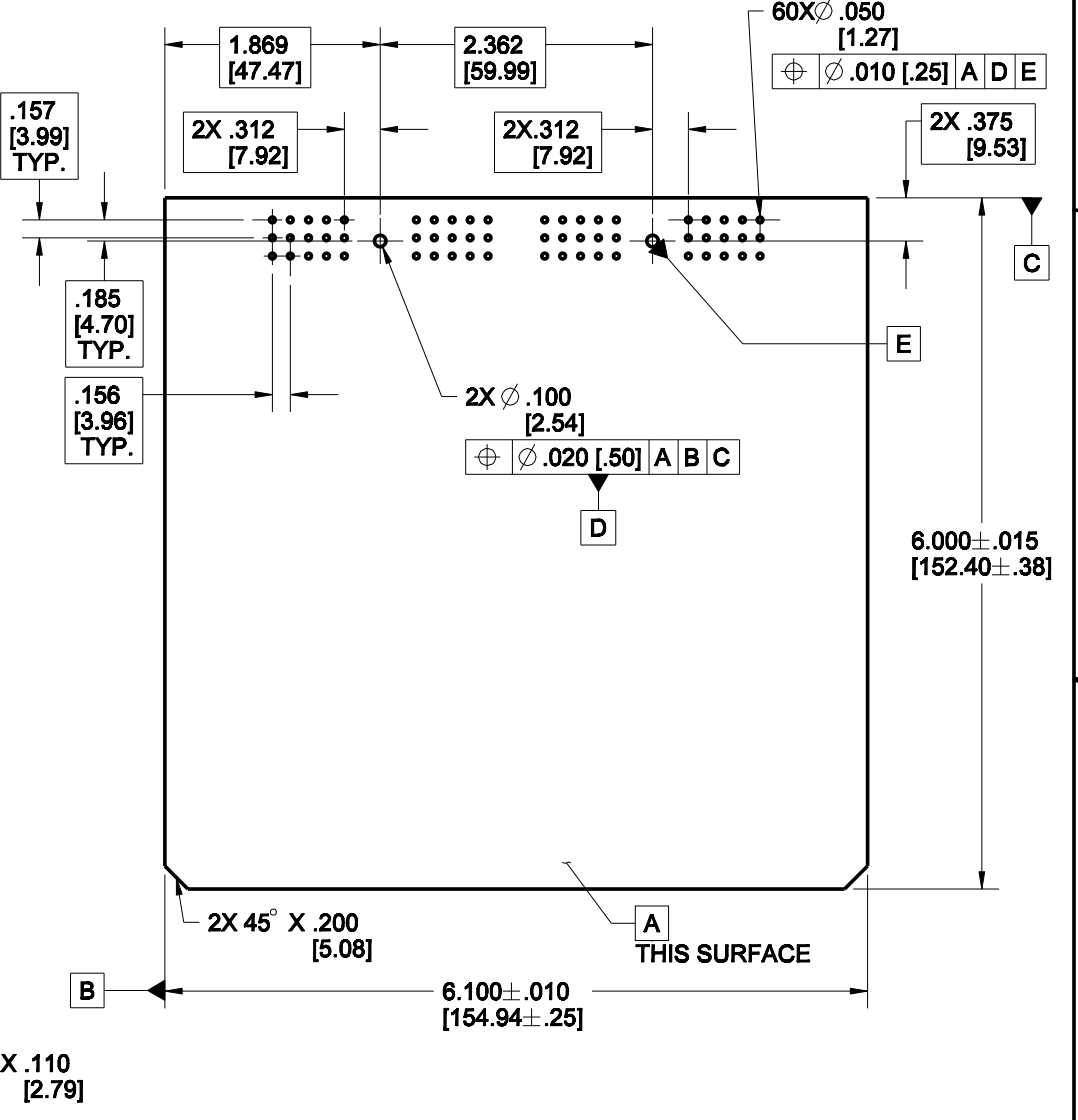
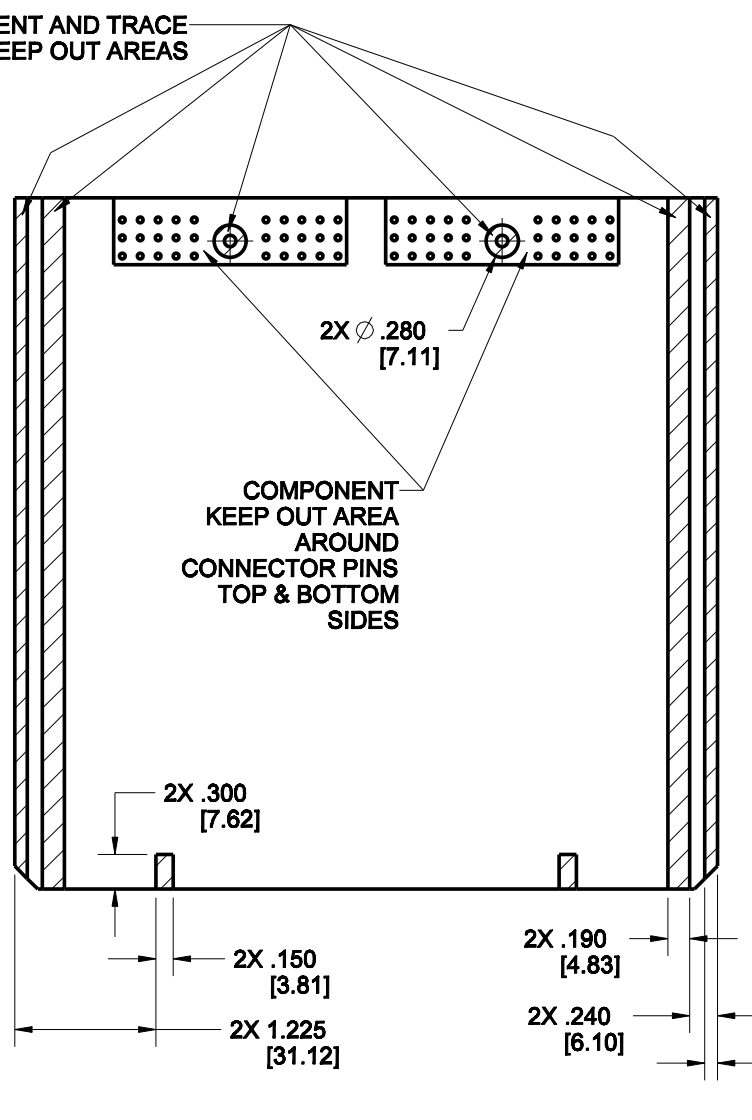
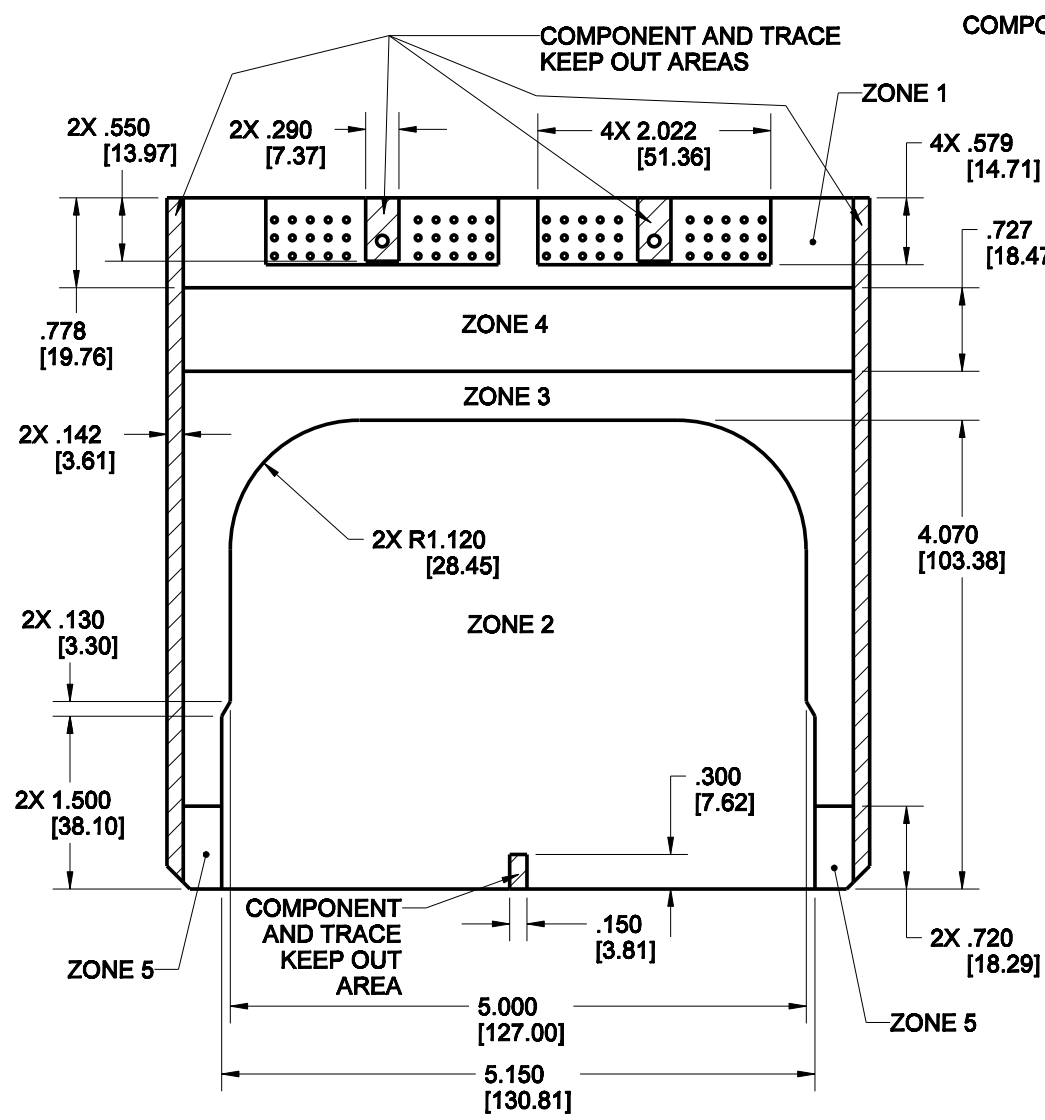
UNITS ENGLISH		Cinch		1700 FINLEY RD LOMBARD, IL 60148	
DO NOT SCALE DRAWING		TITLE 60-WAY HEADERS LE MODICE			
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		PRO/E DRAWING			
FILLET/RADI .02 MAX	TOLERANCES X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5	CAD FILE NUMBER 5810160006_HEADER	DRAWING NUMBER 581 01 60 005S	REV C	
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. 71785	SCALE 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.

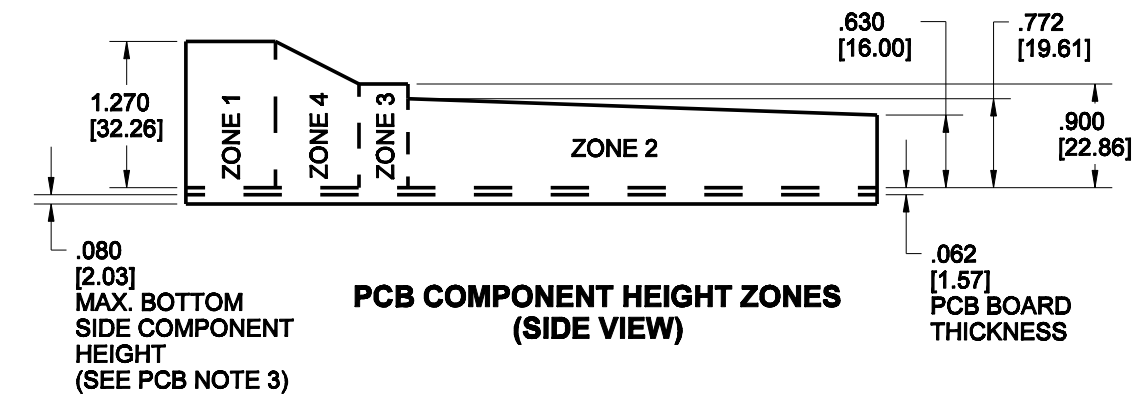
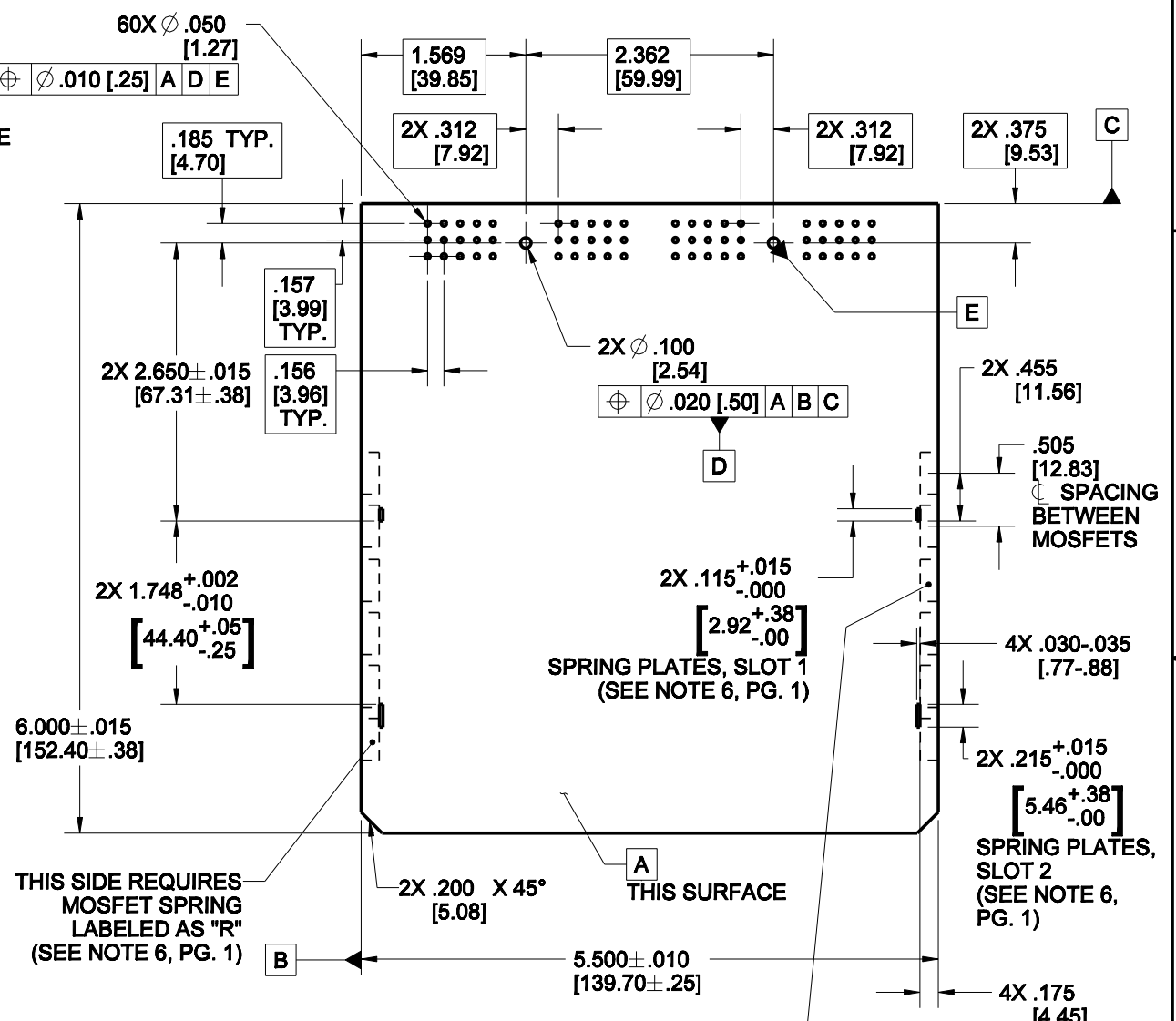
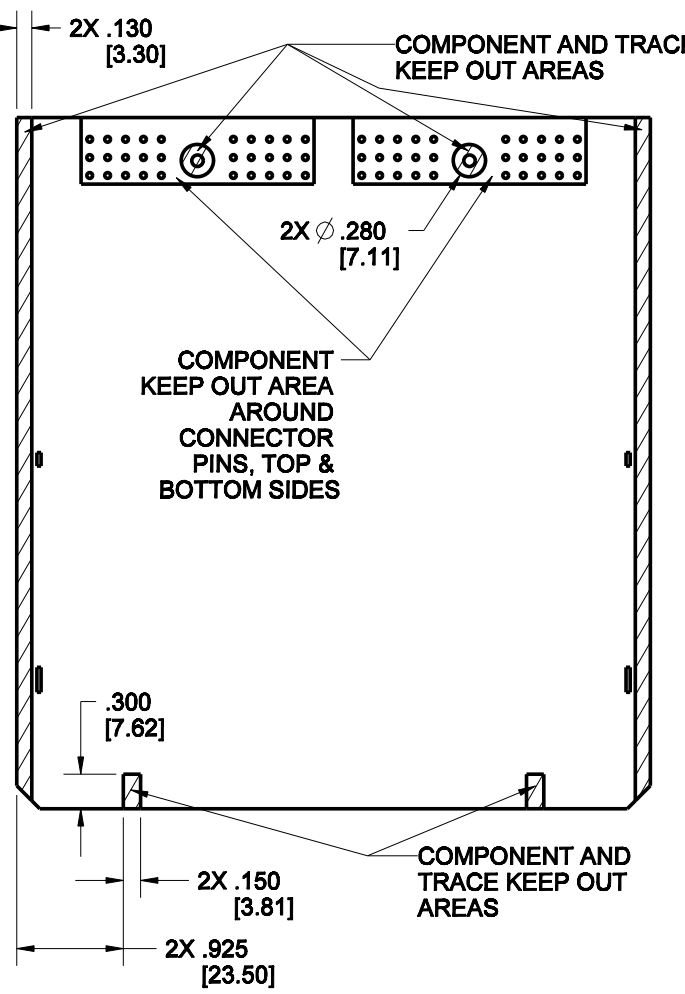
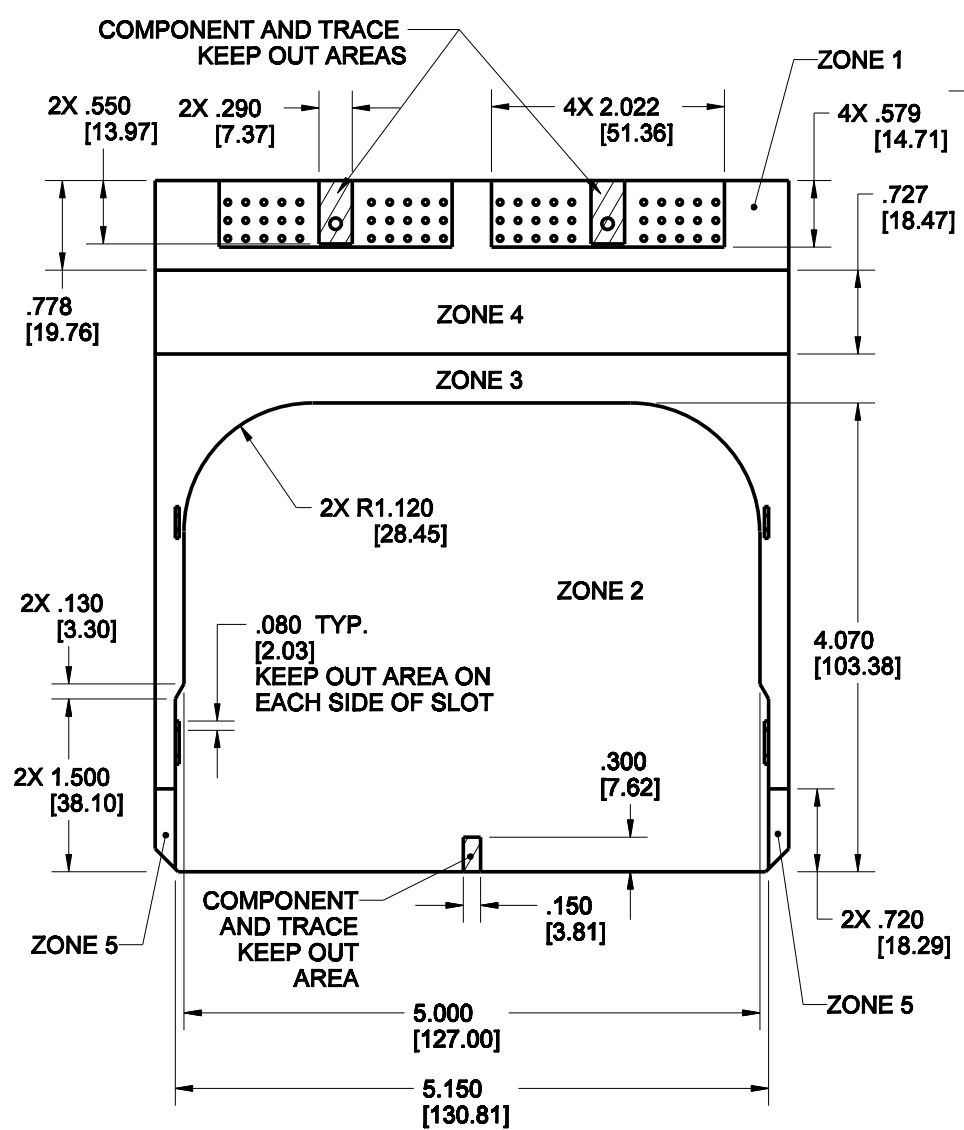
UNITS	ENGLISH				1700 FINLEY RD LOMBARD, IL. 60148	
DO NOT SCALE DRAWING					TITLE	
<small>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES</small>			<small>TOLERANCES</small> X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5°		PRO/E DRAWING	
<small>FILLET/RADI .02 MAX</small>			<small>TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH</small>		<small>CAD FILE NUMBER</small> 5810160005_HEADER	
<small>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.</small>			<small>DRAWING NUMBER</small> 581 01 60 005S		<small>REV</small> C	
<small>CAGE IDENT NO.</small> 71785			<small>SCALE</small> B		<small>SHEET 3 OF 6</small>	

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.

UNITS ENGLISH

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES

FILLET/RADI	TOLERANCES
.02 MAX	X \pm .1
	.XX \pm .01
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH	.XXX \pm .005
	ANGULAR \pm .5

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CAD FILE NUMBER: 5810160005_HEADER

DRAWING NUMBER: 581 01 60 005S

CAGE IDENT NO.: 71785

SCALE: 3:5

SHEET 4 OF 6

REV: C

Cinch 1700 FINLEY RD LOMBARD, IL. 60148

TITLE: 60-WAY HEADERS LE MODICE

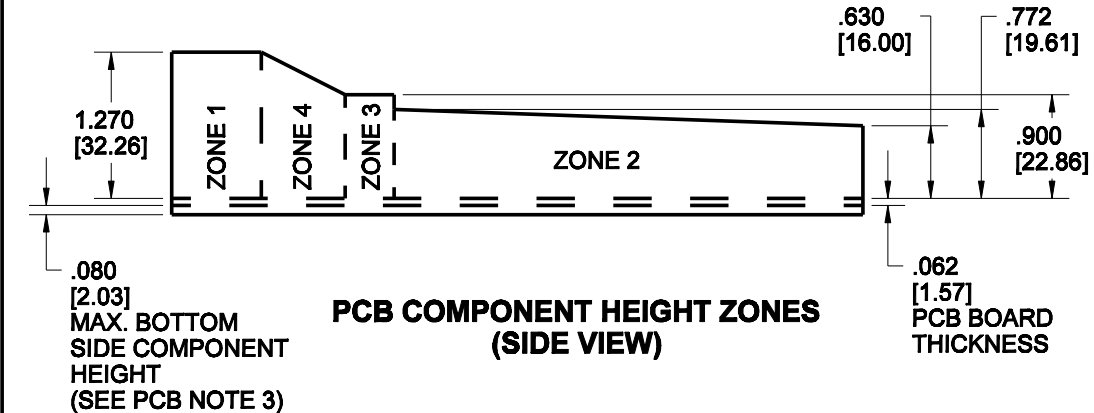
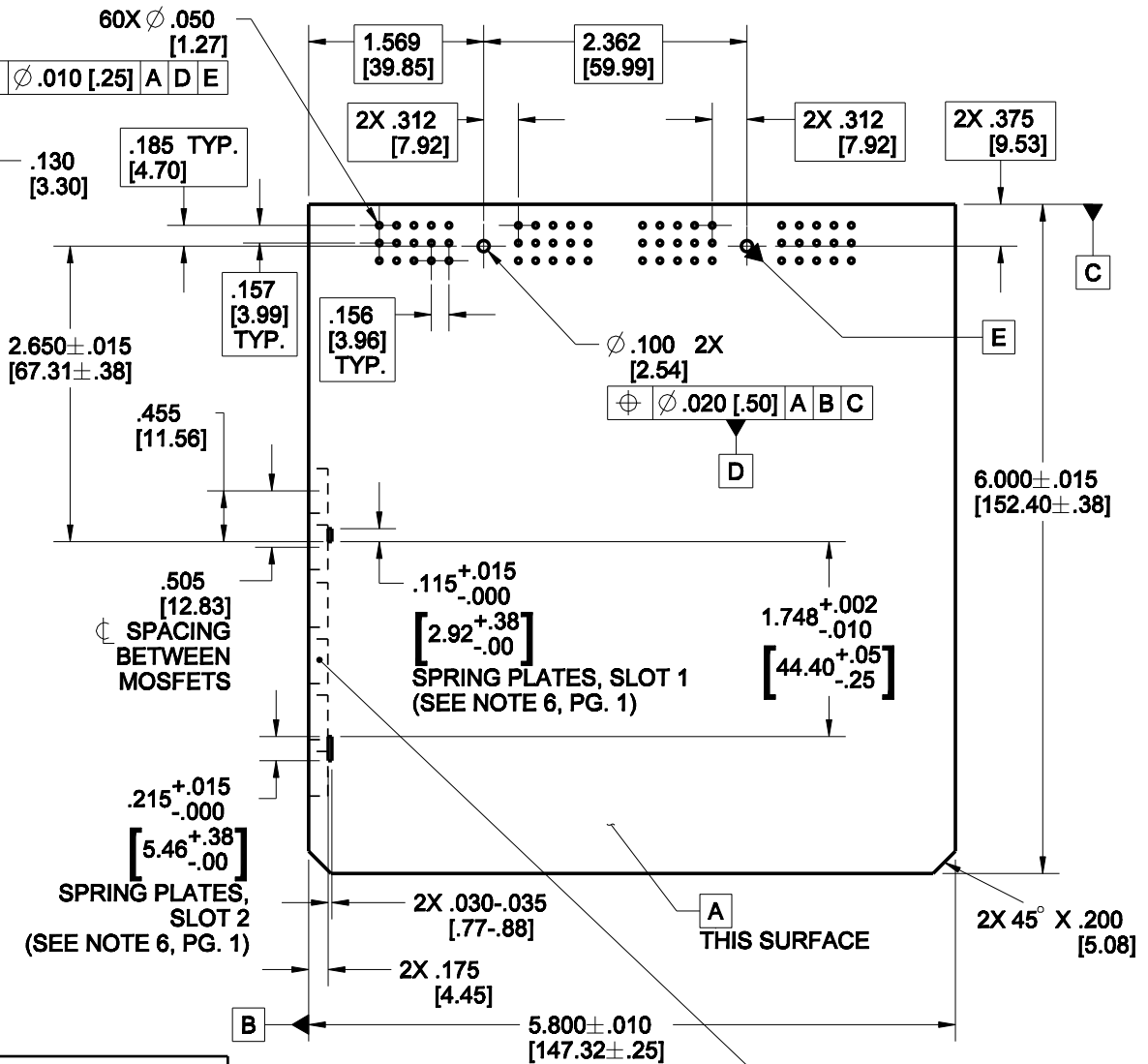
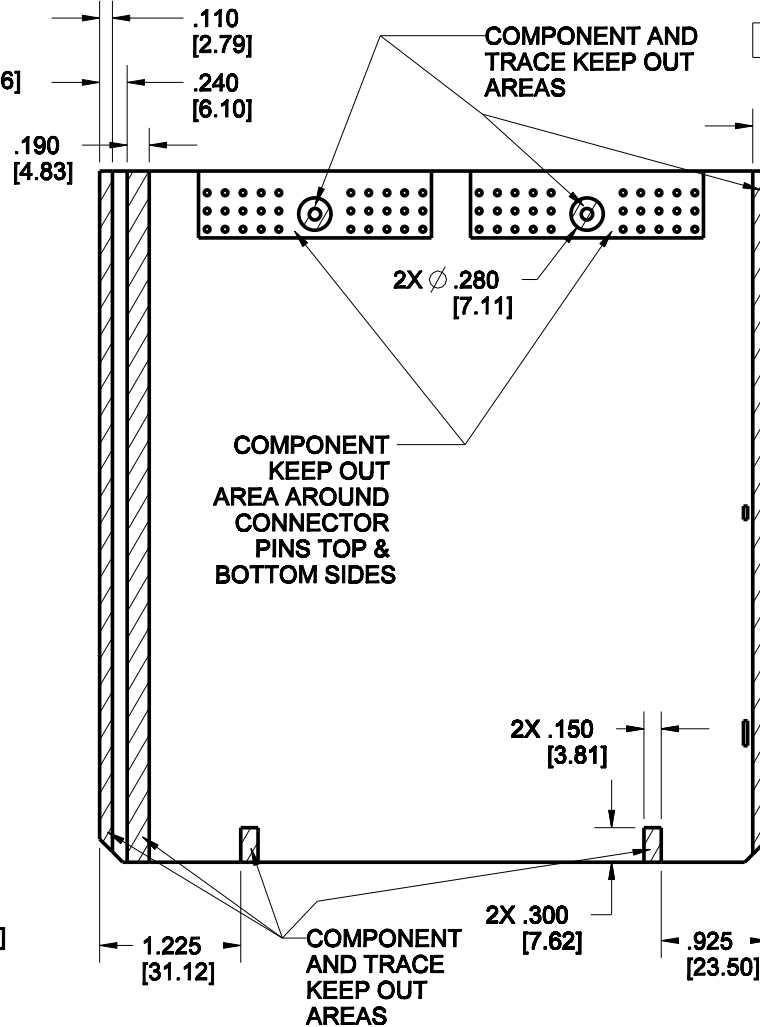
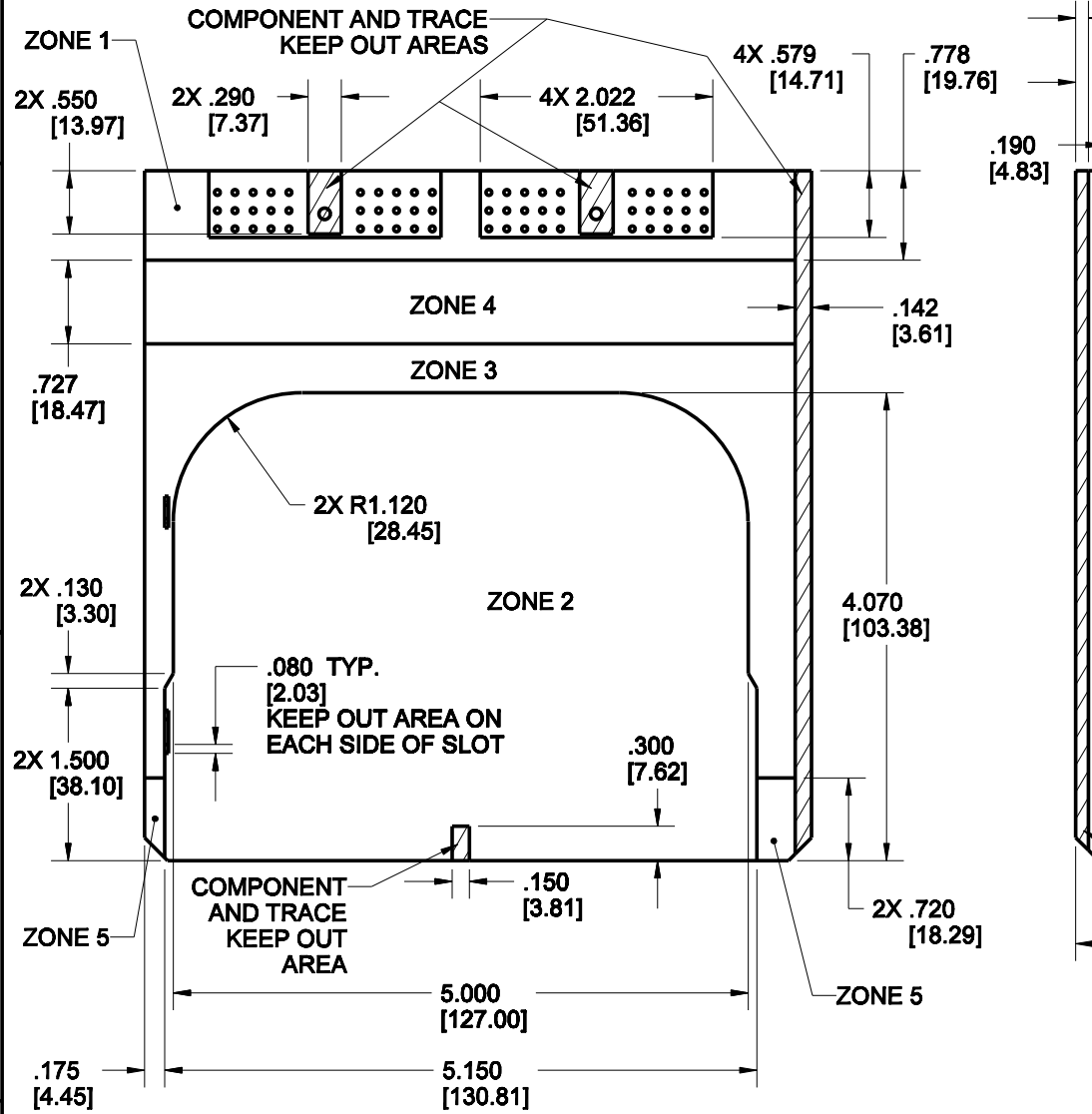
PRO/E DRAWING

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



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: ENGLISH

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES

FILLET/RADI: .02 MAX

TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH

TOLERANCES: X ± .1, .XX ± .01, .XXX ± .005, ANGULAR ± .5

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Cinch 1700 FINLEY RD LOMBARD, IL 60148

TITLE: 60-WAY HEADERS LE MODICE

PRO/E DRAWING

CAD FILE NUMBER: 5810160005_HEADER

DRAWING NUMBER: 581 01 60 005S

CAGE IDENT NO.: 71785

SCALE: 3:5

REV: C

SHEET 5 OF 6

8 7 6 5 4 3 2 1

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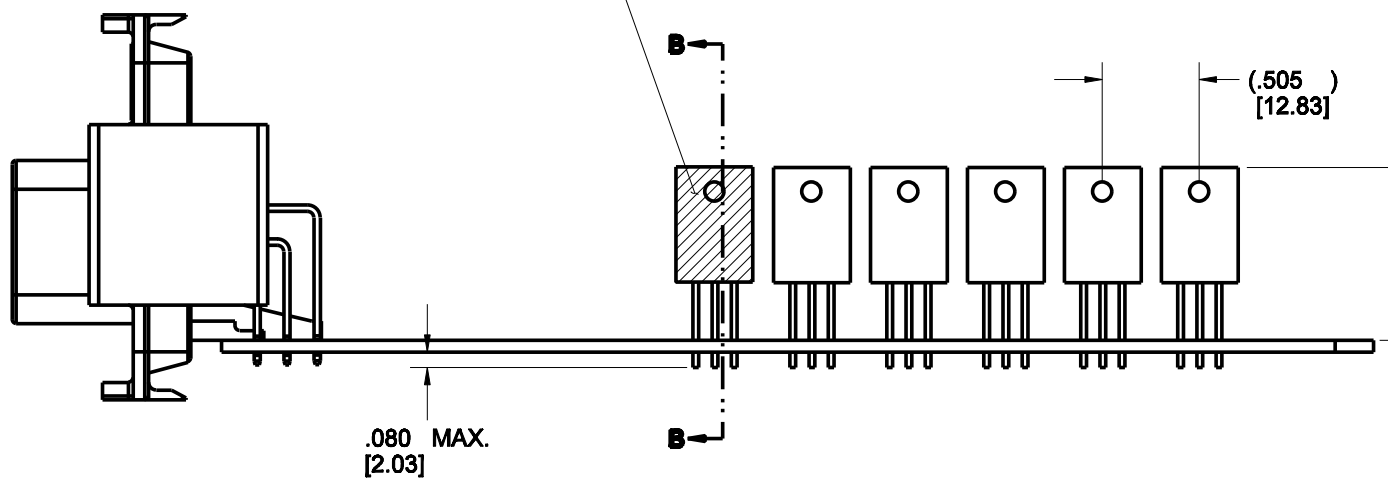
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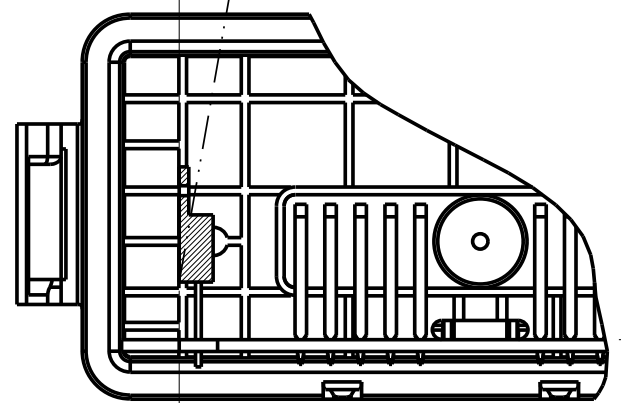
8 7 6 5 4 3 2 1

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**



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

SECTION B-B

UNITS ENGLISH	Cinch		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/RADI .02 MAX	TOLERANCES X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5	CAD FILE NUMBER 5810180006_HEADER	DRAWING NUMBER 581 01 60 005S
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH	CAGE IDENT NO. 71785	SIZE B	SCALE 1:1
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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

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