



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



8

7

6

5

4

3

2

1

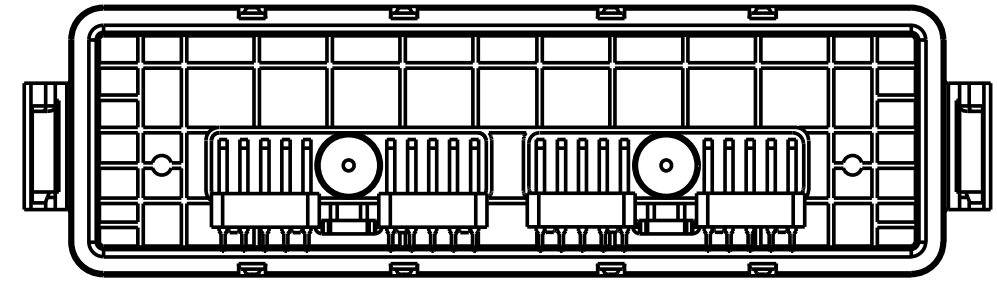
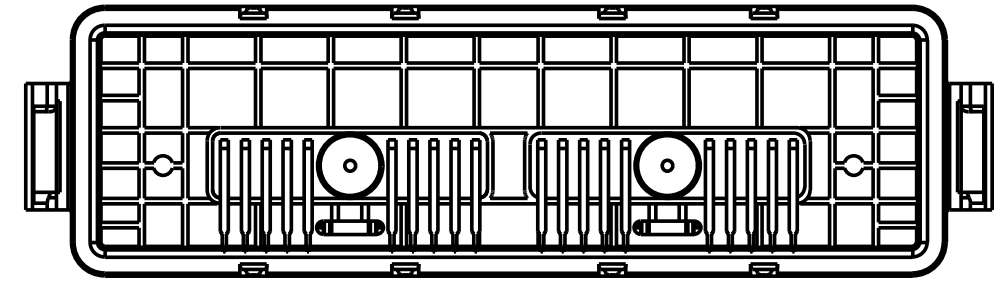
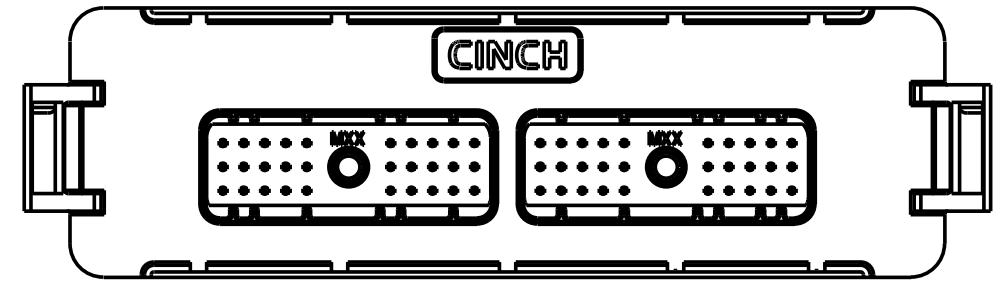
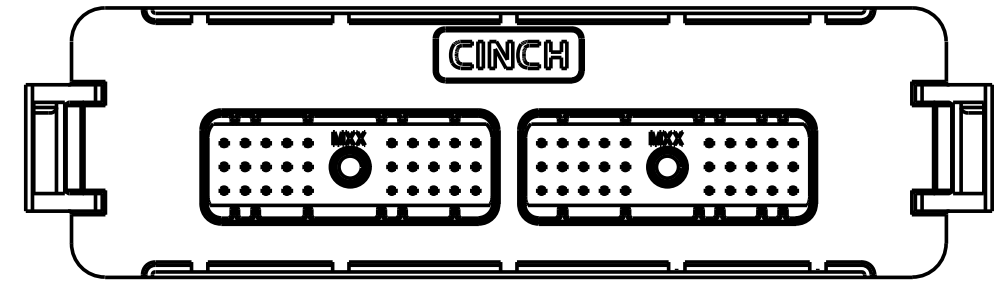
# CINCH PART NUMBER MATRIX

## 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.		A. CAINES	9/5/05	DRAWING NUMBER	
		MFG. ENGINEERING		5810160005_HEADER	
		R. GARZA	9/15/05	SCALE	
		QUALITY ASSURANCE		7:10	
		D. DE LA PENA	9/15/05	SHEET 1 OF 6	
				CAGE IDENT NO. 71785	
				SIZE B	

8

7

6

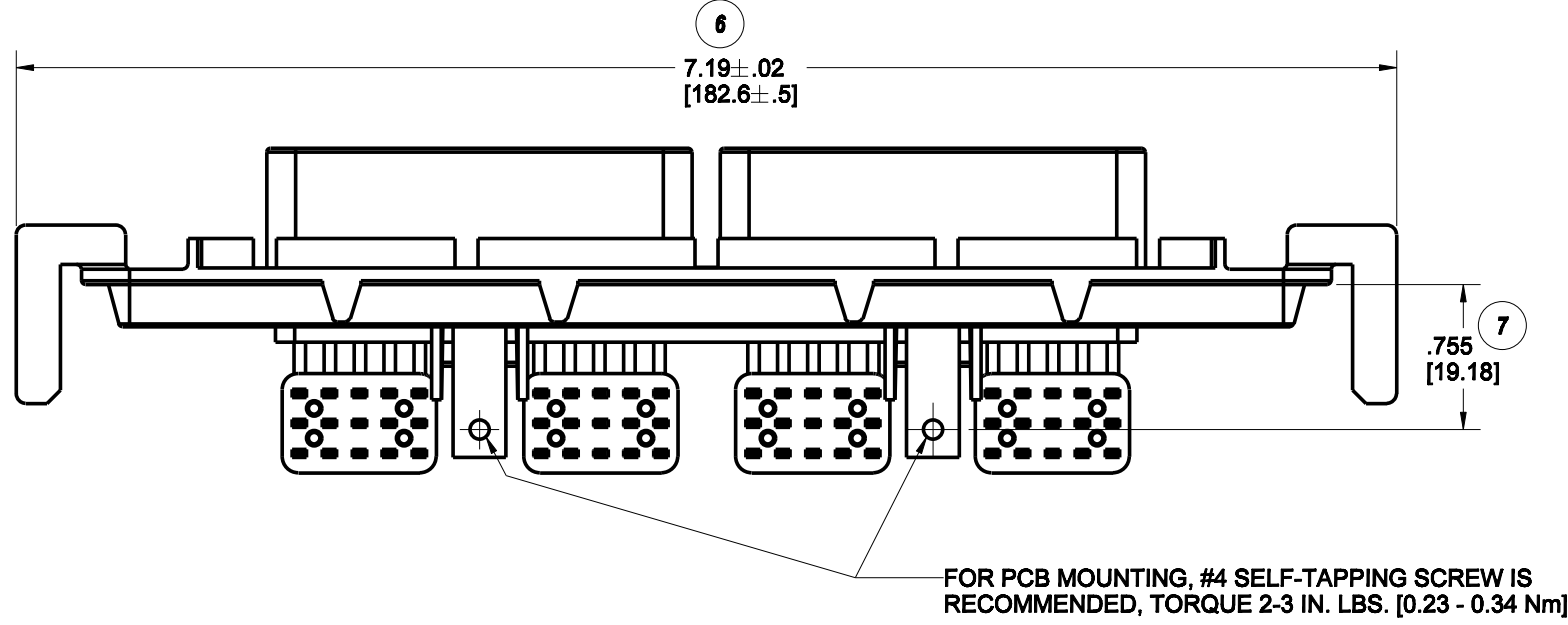
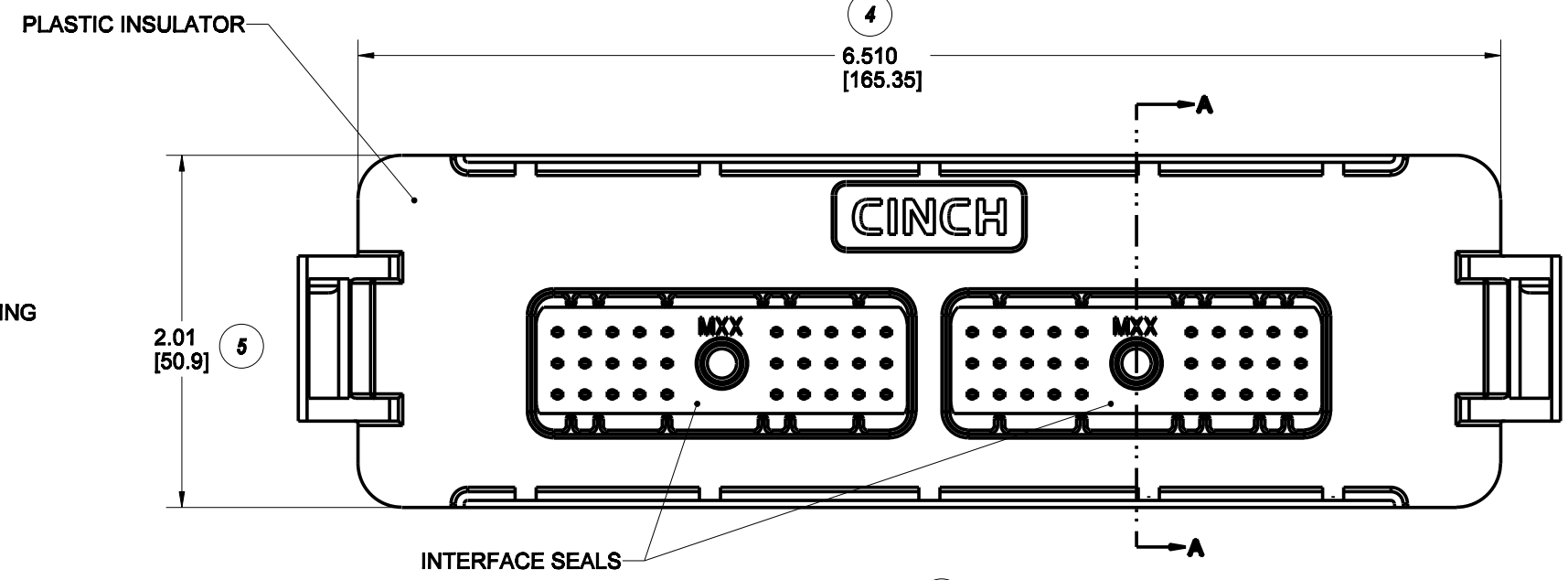
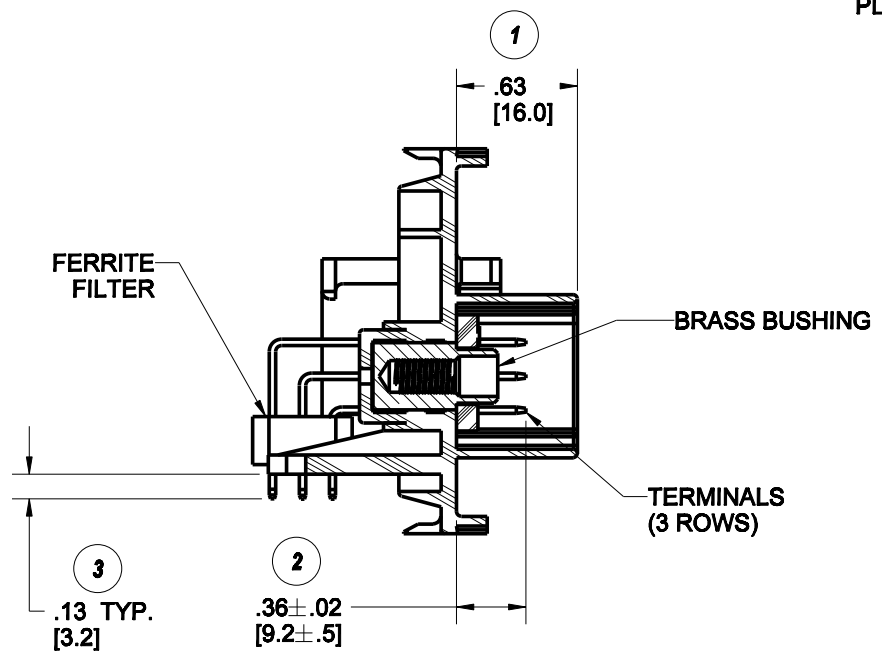
5

4

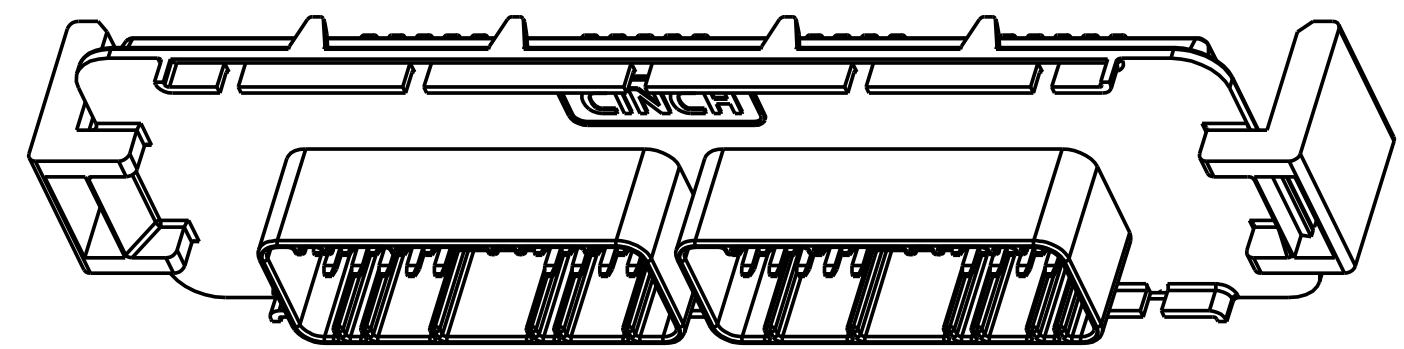
3

2

1



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



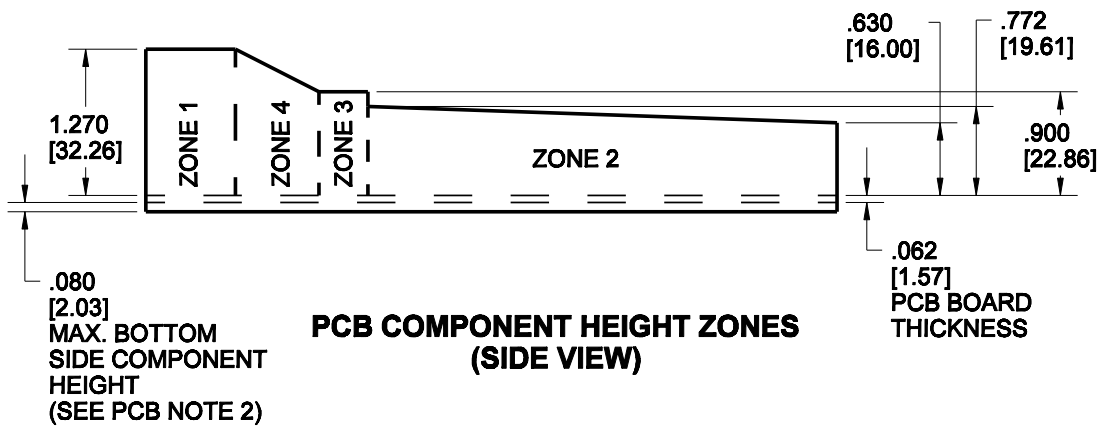
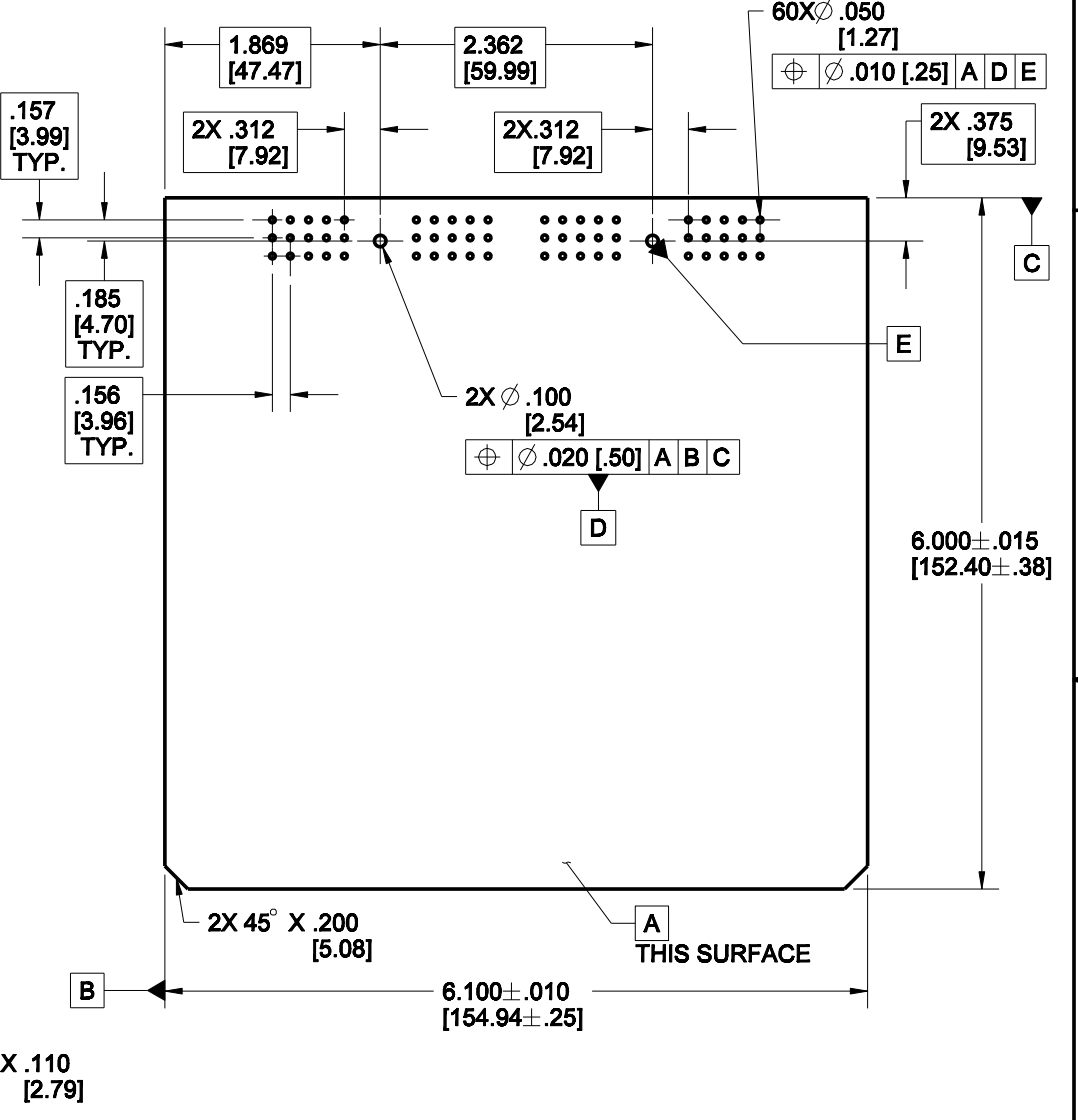
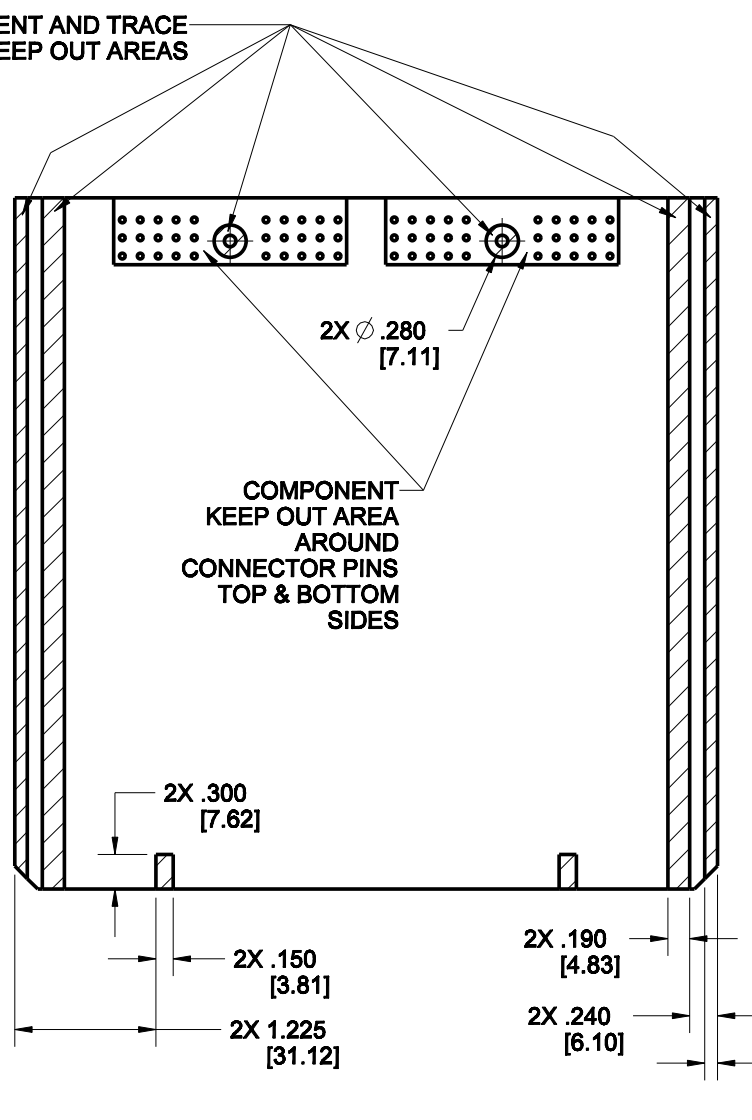
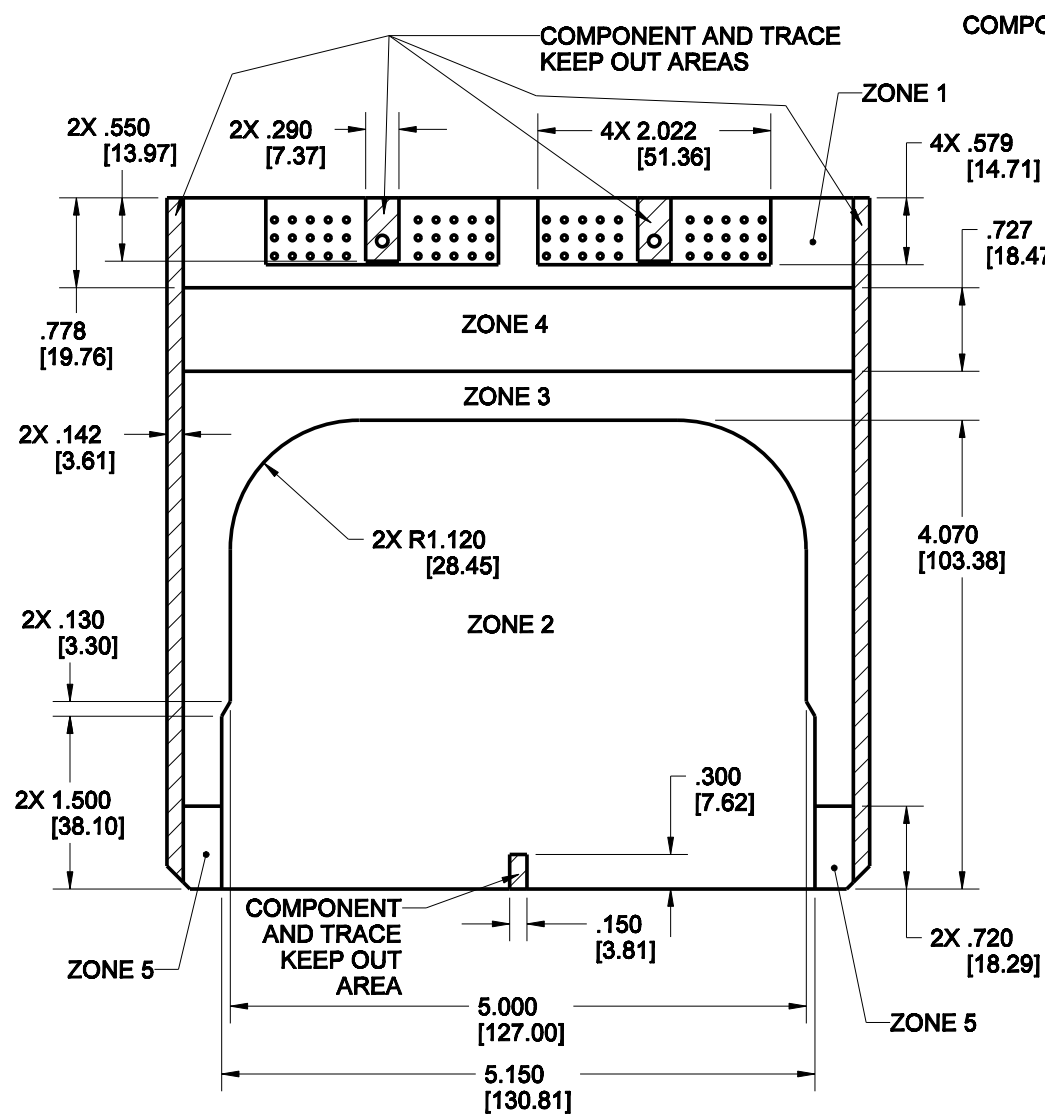
UNITS <b>ENGLISH</b>		<b>Cinch</b>		1700 FINLEY RD LOMBARD, IL 60148	
DO NOT SCALE DRAWING		TITLE <b>60-WAY HEADERS LE MODICE</b>			
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		PRO/E DRAWING			
FILLET/RADI .02 MAX	TOLERANCES X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5	CAD FILE NUMBER 5810160006_HEADER	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	DRAWING NUMBER	REV	
			5810180006_HEADER	581 01 60 005S	C	
			CAGE IDENT NO.	SCALE	SHEET 3 OF 6	
			71785	B	3:5	





8 7 6 5 4 3 2 1

D

D

C

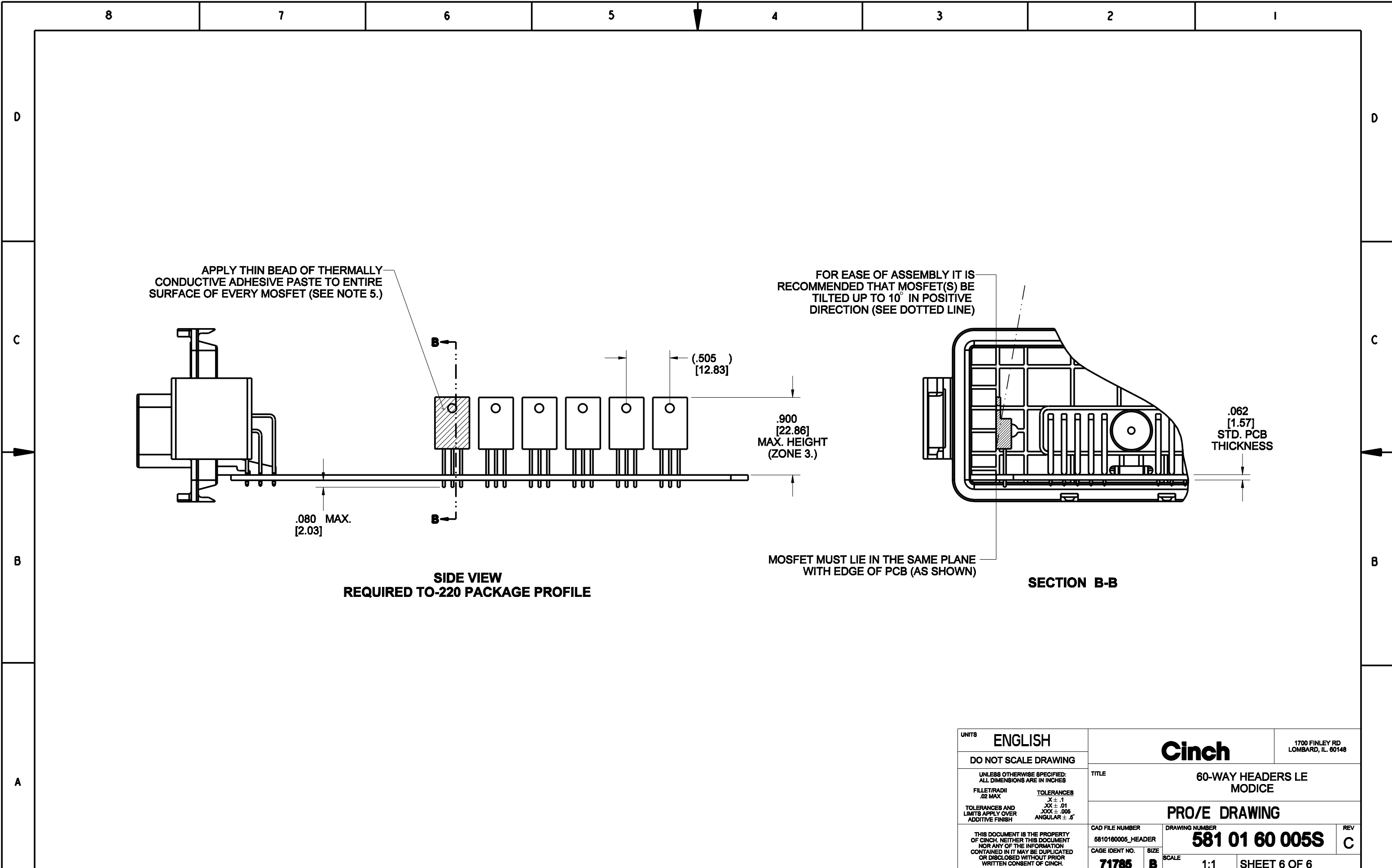
C

B

B

A

A



**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	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 .0X ± .01 .00X ± .005 ANGULAR ± .5	CAD FILE NUMBER 5810180006_HEADER	DRAWING NUMBER <b>581 01 60 005S</b>
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH	CAGE IDENT NO. <b>71785</b>	SIZE <b>B</b>	SCALE 1:1
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.	REV <b>C</b>		SHEET 6 OF 6

8 7 6 5 4 3 2 1