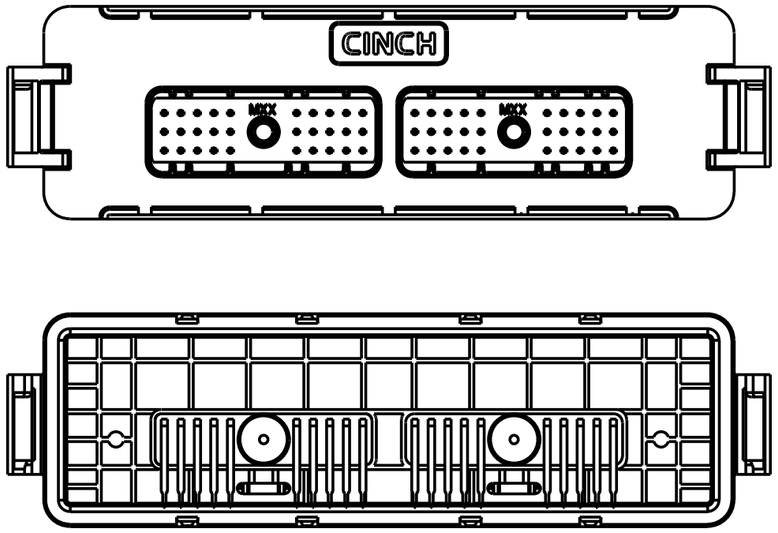
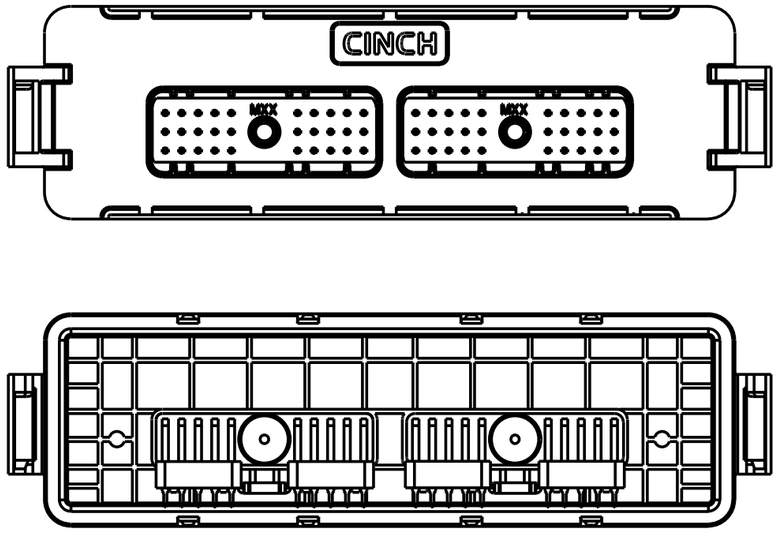
CINCH PART NUMBER MATRIX

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)

NOTE:

1. ALL DIMENSIONS ARE IN INCHES;
   DIMENSIONS INSIDE [.XX] ARE IN mm, AS REF. ONLY.
2. 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.
3. ALL HEADERS ARE REFLOW AND WAVE SOLDERING PROCESS, ROHS COMPLIANT.
4. MATES WITH CINCH SHS PUSH-TO-SEAT HARNESS CONNECTORS (SEE TABLE ABOVE).
5. THERMALLY CONDUCTIVE ADHESIVE PASTE SOLD SEPARATELY: RECOMMENDED IS LOCTITE 383.
6. 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)
7. STANDARD PACKAGE SIZE: 36 PARTS/CARTON BOX.

DRAWING REVISIONS

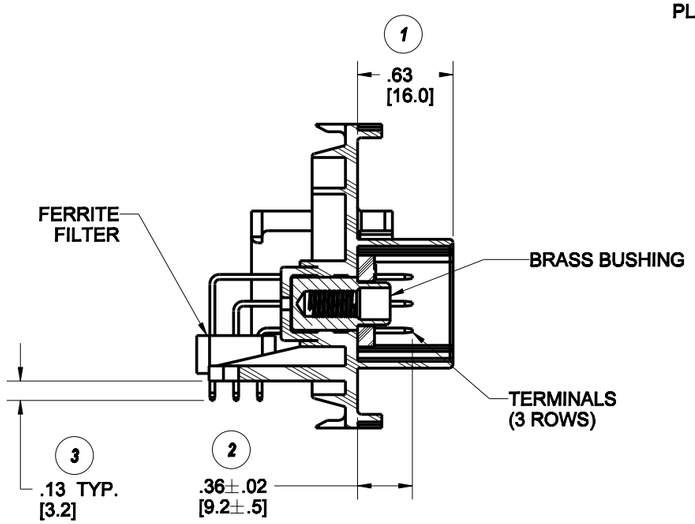
REV	DOCUMENT	APP	DATE
A	D.O. 05-1217 REL. FOR PRODUCTION	A.C.	9/9/05
B	ECN: 05A634 ADDED SHEET 5 ADDED SHEET 6 MODIFIED SHEET 3 MODIFIED SHEET 4	A.C.	3/23/06
C	ECN: 06A477 REFORMATTED DRAWING PCB LAYOUTS REDRAWN WITH ADDITIONAL KEEP OUT AREAS	A.C.	1/8/07

RoHS COMPLIANT

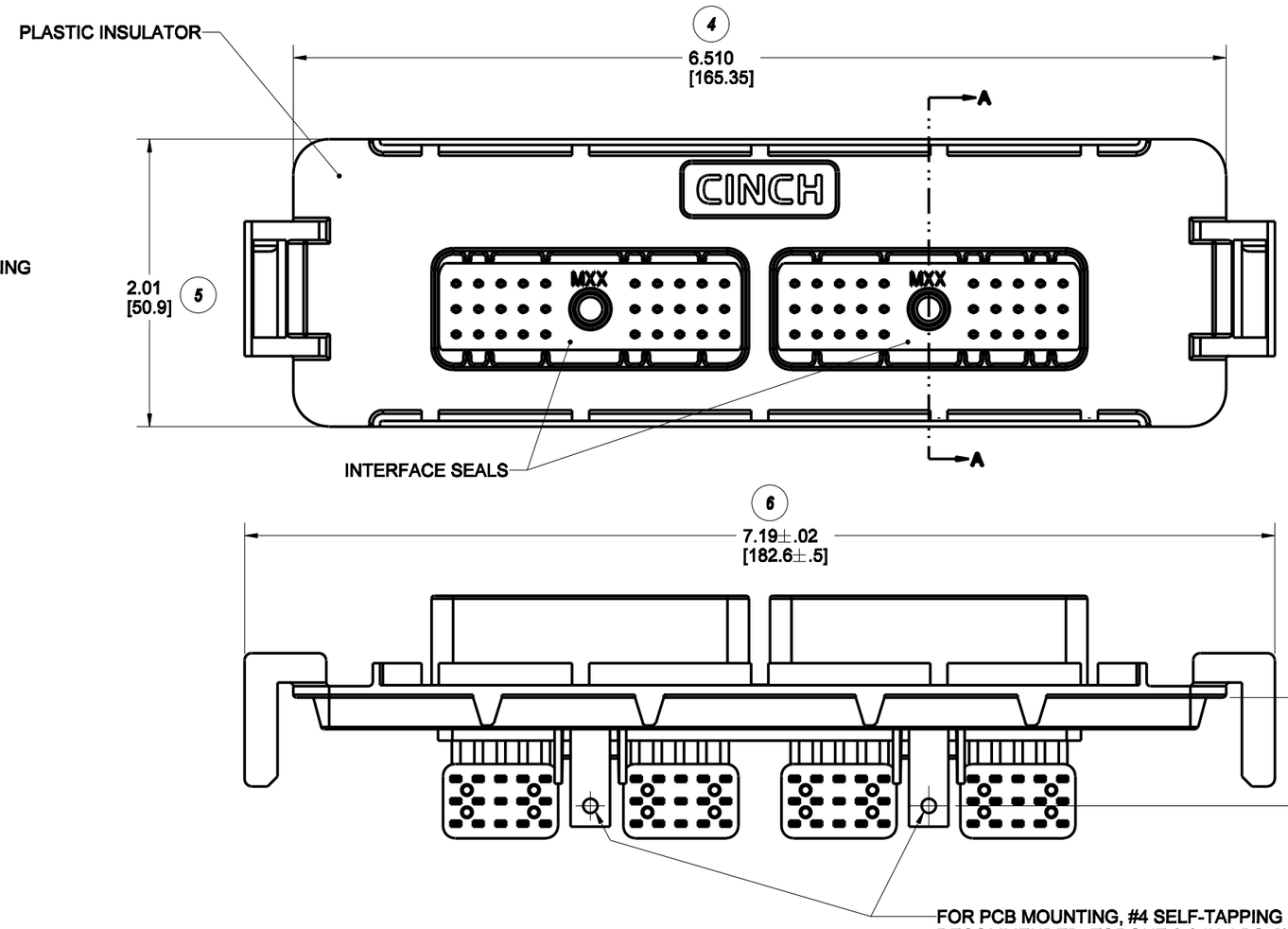
UNITS: ENGLISH	PRO/E	Cinch	MODELED BY: 1700 FINLEY RD LOMBARD, IL. 60148
DO NOT SCALE DRAWING	DRAWN BY: B. KOSTIC — DATE: 9/02/05	TITLE: 60-WAY HEADERS LE MODICE	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES FILLET/RADII .02 MAX TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH TOLERANCES: X ± .1, XX ± .01, XXX ± .005, ANGULAR ± .5°	DESIGN ENGINEER: B. KOSTIC — DATE: 9/02/05	MATERIAL	CONTROL SPEC NUMBER
	DESIGN ENGINEERING MGR.: A. CAINES — DATE: 9/5/05	MATERIAL SPEC NUMBER / FINISH	PROJECT NUMBER: A 14562
	MFG. ENGINEERING: R. GARZA — DATE: 9/15/05	CAD FILE NUMBER: 5810160005_HEADER	DRAWING NUMBER: 581 01 60 005S
	QUALITY ASSURANCE: D. DE LA PENA — DATE: 9/15/05	CAGE IDENT NO.: 71785 — SIZE: B	SCALE: 7:10 — SHEET 1 OF 6

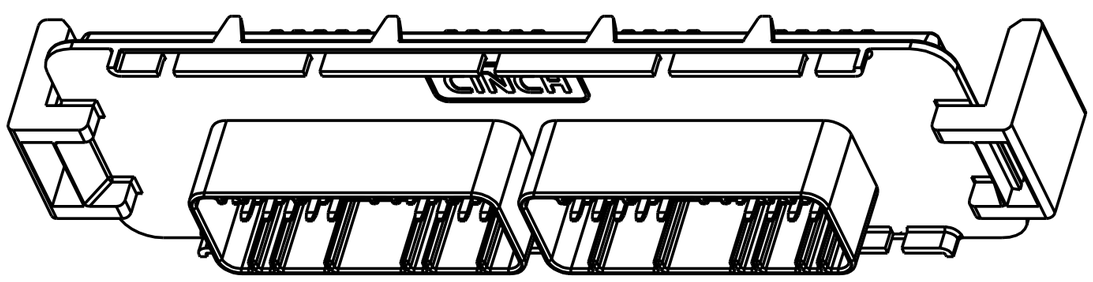
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SECTION A-A





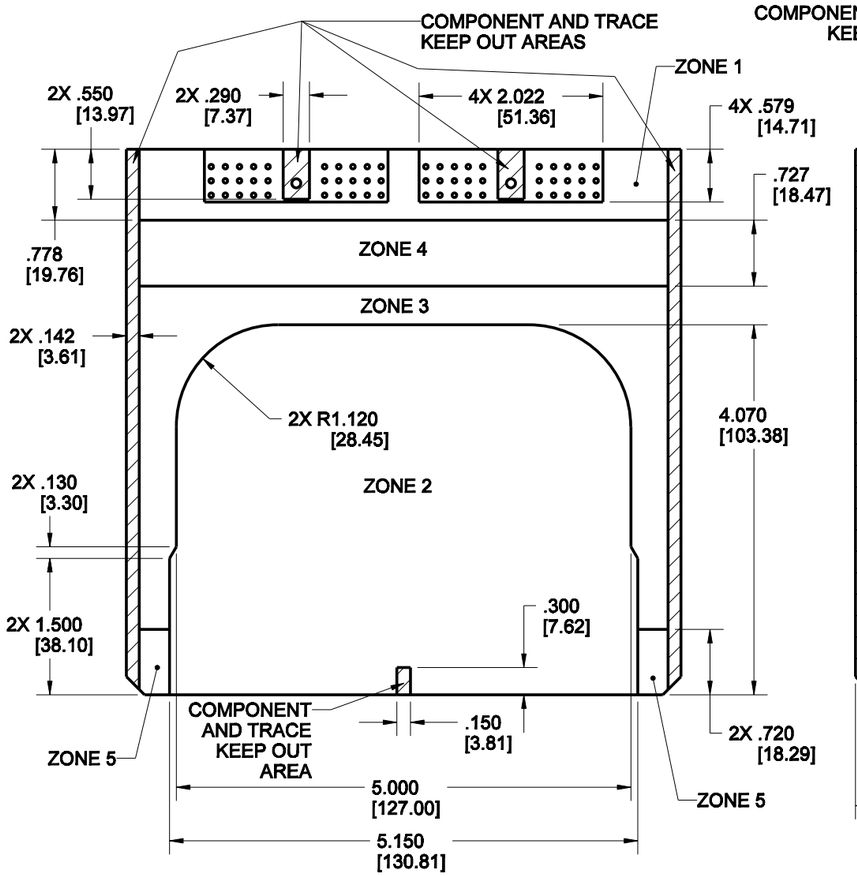
CINCH P/N: 581 01 60 006 SHOWN
(HEADER WITH FILTERS)

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 FILLET/RADII .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 5810160005_HEADER	DRAWING NUMBER 581 01 60 005S	REV C
	CAGE IDENT NO. 71785 / SIZE B	SCALE 1:1	SHEET 2 OF 6

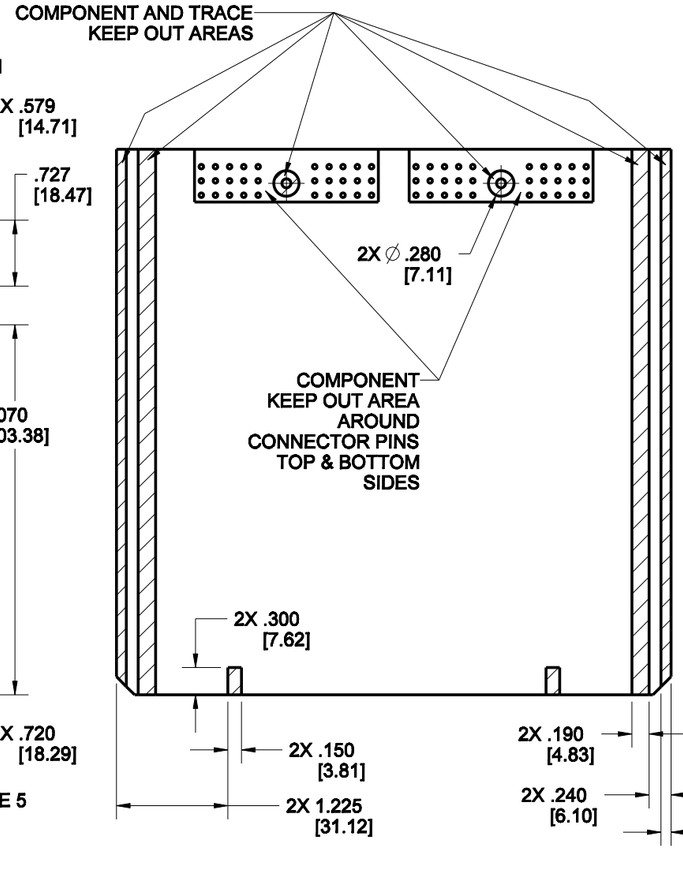
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PCB LAYOUT WITHOUT HEAT SINKS

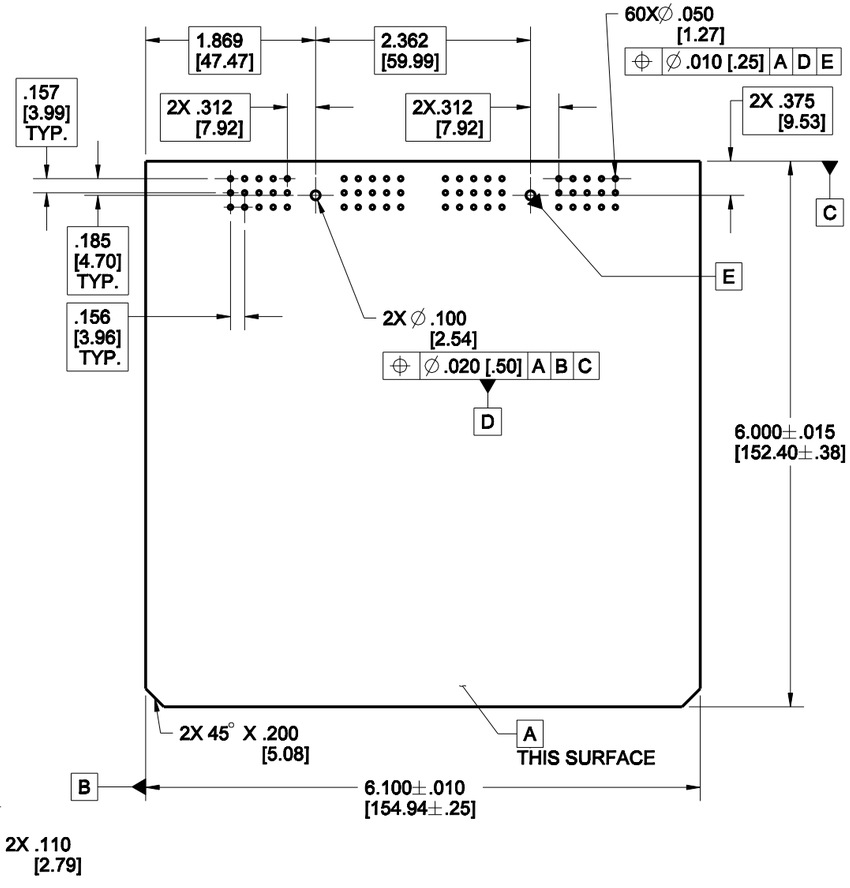
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

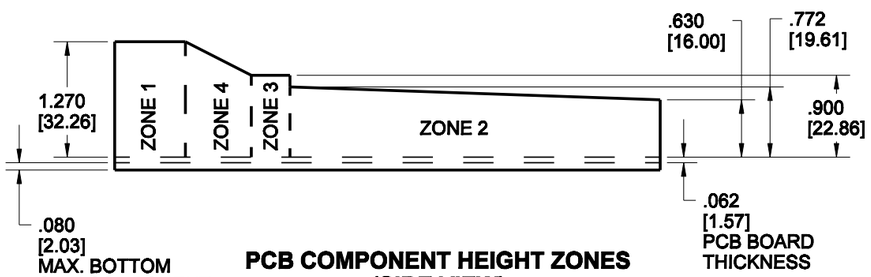


PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS





PCB COMPONENT HEIGHT ZONES (SIDE VIEW)

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:

1. ON BOTTOM SIDE OF THE PCB, COMPONENTS OR TRACES MUST BE MIN. .100" AWAY FROM THE EDGE OF THE PCB.
2. THE BOTTOM SIDE OF THE PCB SHOULD NOT HAVE COMPONENTS OR LEADS THAT EXTEND HIGHER THAN .080" (SEE PG. 6 SIDE VIEW).
3. 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/RADII .02 MAX
TOLERANCES: .X ± .1, .XX ± .01, .XXX ± .005, ANGULAR ± .5°
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH

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LOMBARD, IL. 60148

TITLE: 60-WAY HEADERS LE MODICE

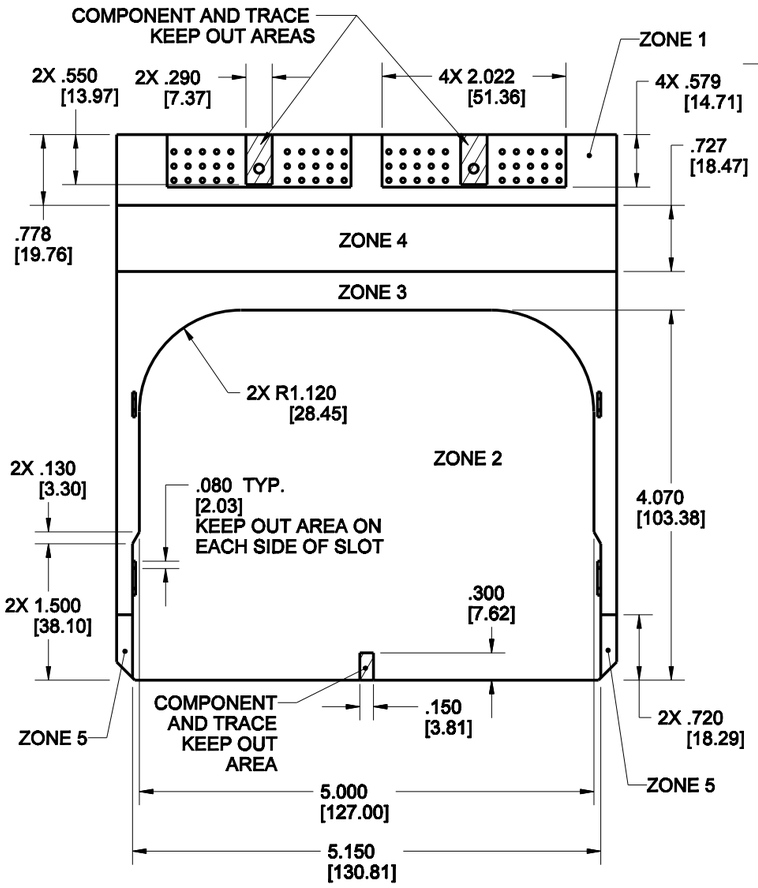
PRO/E DRAWING

CAD FILE NUMBER: 5810160005_HEADER
DRAWING NUMBER: 581 01 60 005S
REV: C
CAGE IDENT NO.: 71785
SIZE: B
SCALE: 3:5
SHEET 3 OF 6

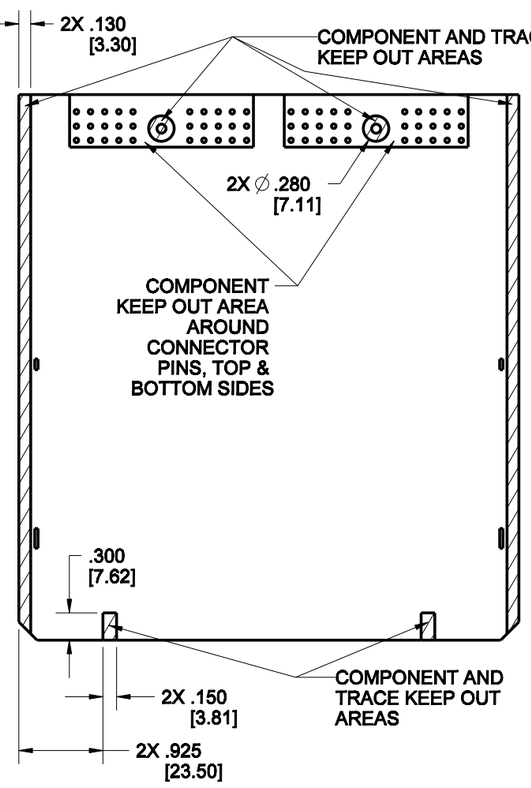
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PCB LAY-OUT WITH TWO HEAT SINKS

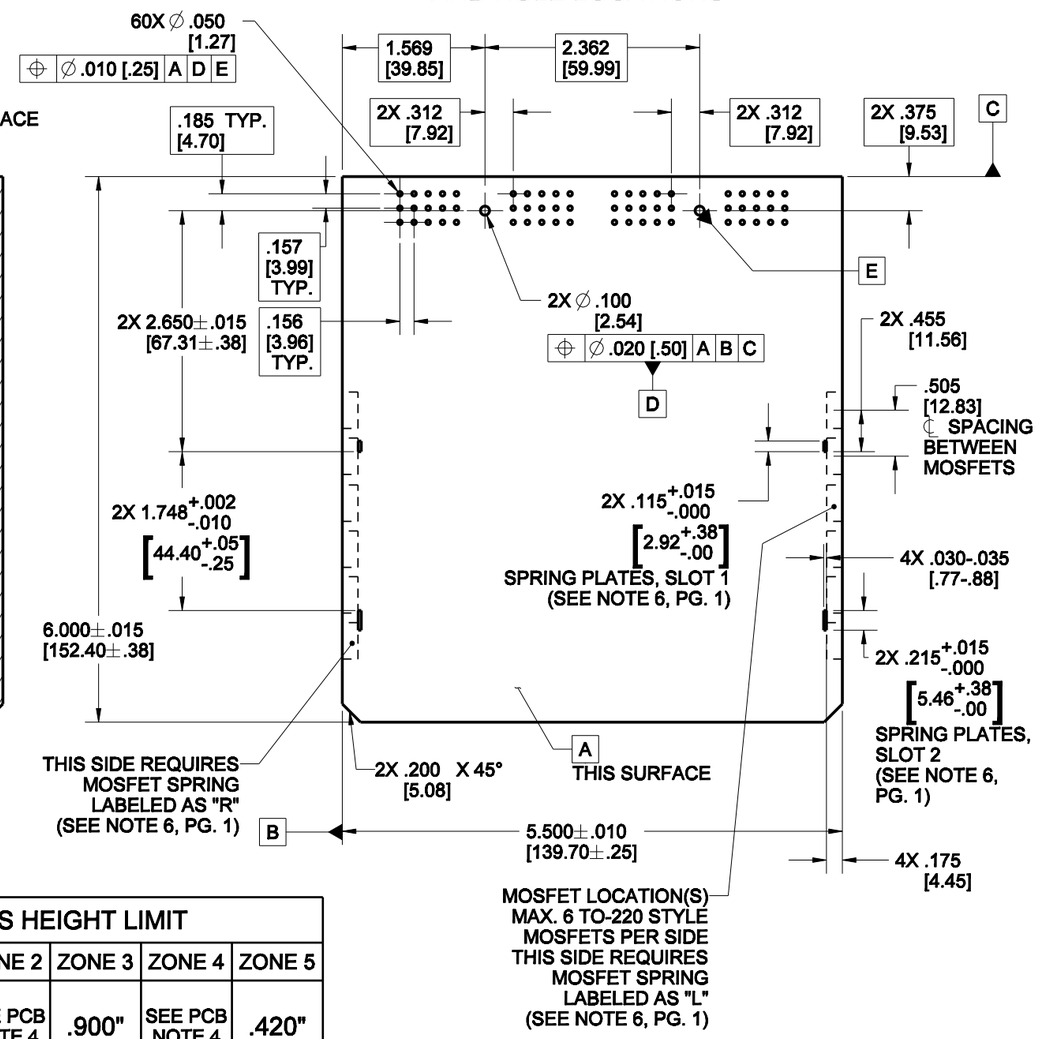
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

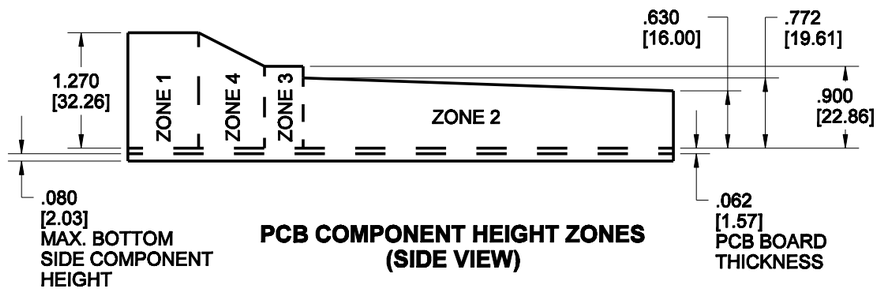


PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS





PCB COMPONENT HEIGHT ZONES (SIDE VIEW)

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:

1. IF MOSFET SPRINGS ARE USED, ZONE 3 SHOULD CONTAIN ONLY MOSFETS AND TRACES BETWEEN THE SPRINGS AND EDGE OF THE BOARD.
2. ON BOTTOM SIDE OF THE PCB, COMPONENTS OR TRACES MUST BE MIN. .100" AWAY FROM THE EDGE OF THE PCB.
3. THE BOTTOM SIDE OF THE PCB SHOULD NOT HAVE COMPONENTS OR LEADS THAT EXTEND HIGHER THAN .080" (SEE PG. 6 SIDE VIEW).
4. 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/RADII .02 MAX
TOLERANCES: .X ± .1, .XX ± .01, .XXX ± .005, ANGULAR ± .5°
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH

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TITLE: 60-WAY HEADERS LE MODICE

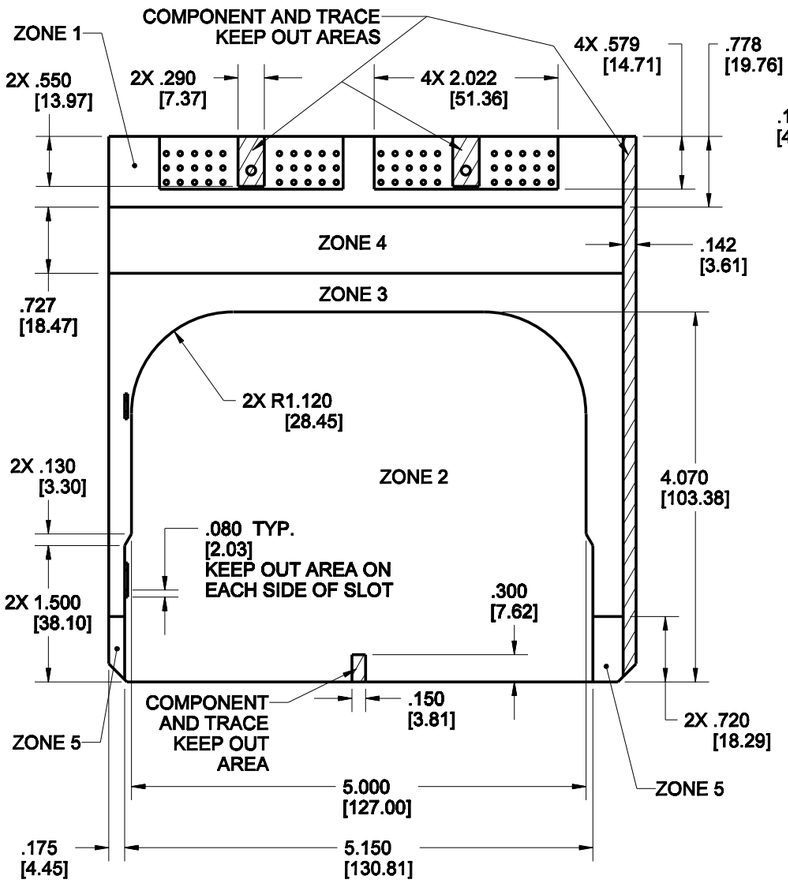
PRO/E DRAWING

CAD FILE NUMBER: 5810160005_HEADER
DRAWING NUMBER: 581 01 60 005S
REV: C
CAGE IDENT NO.: 71785
SIZE: B
SCALE: 3:5
SHEET 4 OF 6

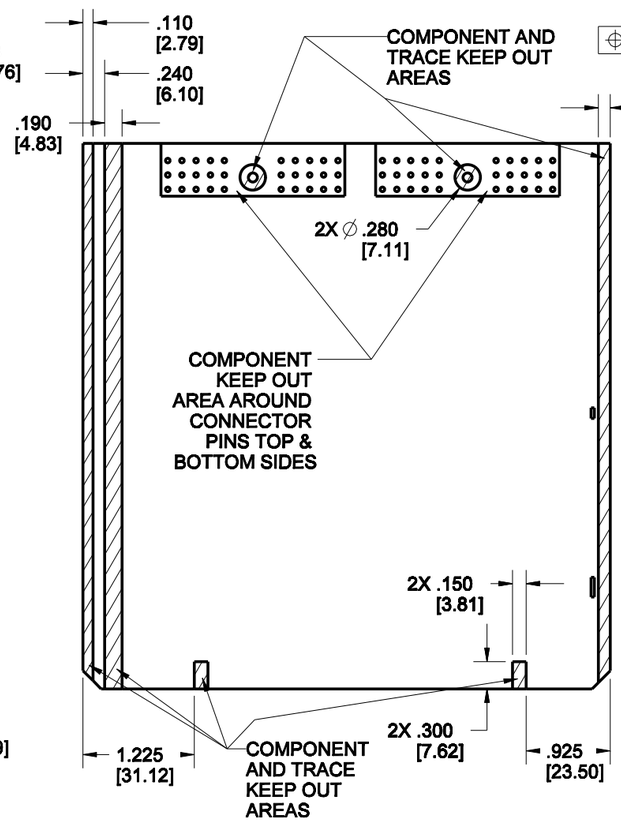
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PCB LAY-OUT WITH ONE HEAT SINK

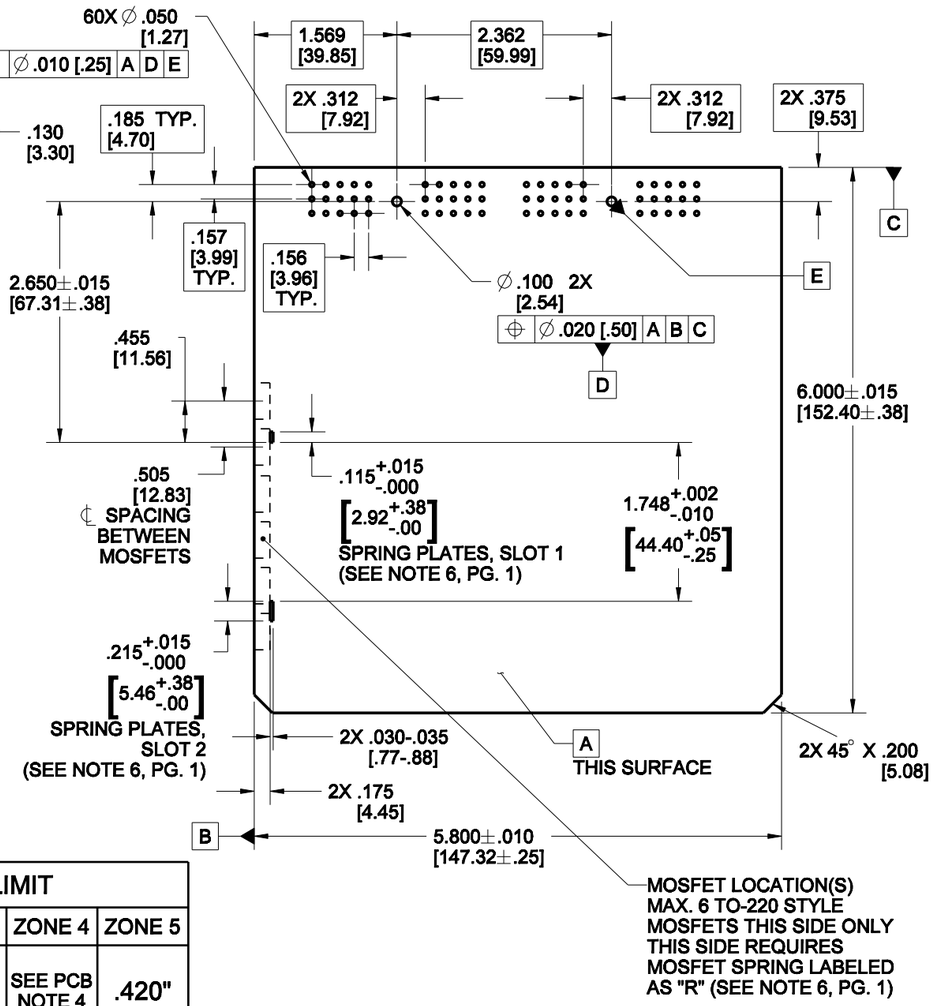
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

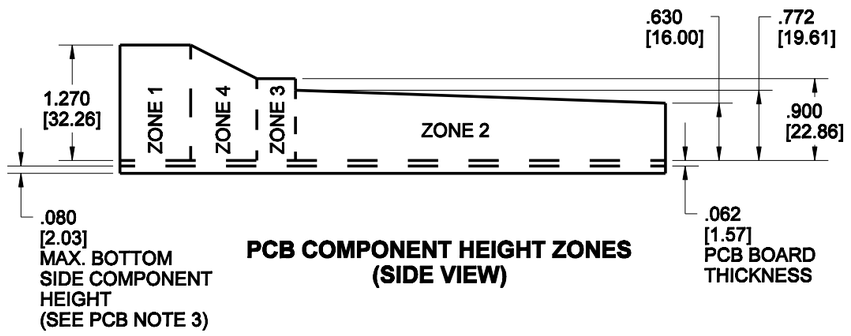


PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS





PCB COMPONENT HEIGHT ZONES (SIDE VIEW)

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:

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3. THE BOTTOM SIDE OF THE PCB SHOULD NOT HAVE COMPONENTS OR LEADS THAT EXTEND HIGHER THAN .080" (SEE PG. 6 SIDE VIEW).
4. 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/RADII .02 MAX

TOLERANCES .X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5°

TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH

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TITLE: 60-WAY HEADERS LE MODICE

PRO/E DRAWING

CAD FILE NUMBER: 5810160005_HEADER

DRAWING NUMBER: 581 01 60 005S

REV: C

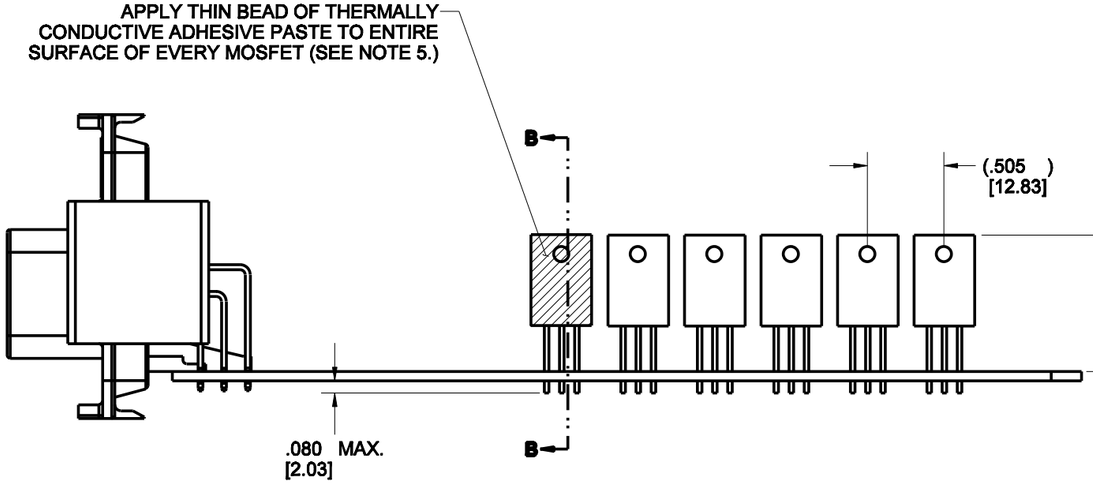
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SIZE: B

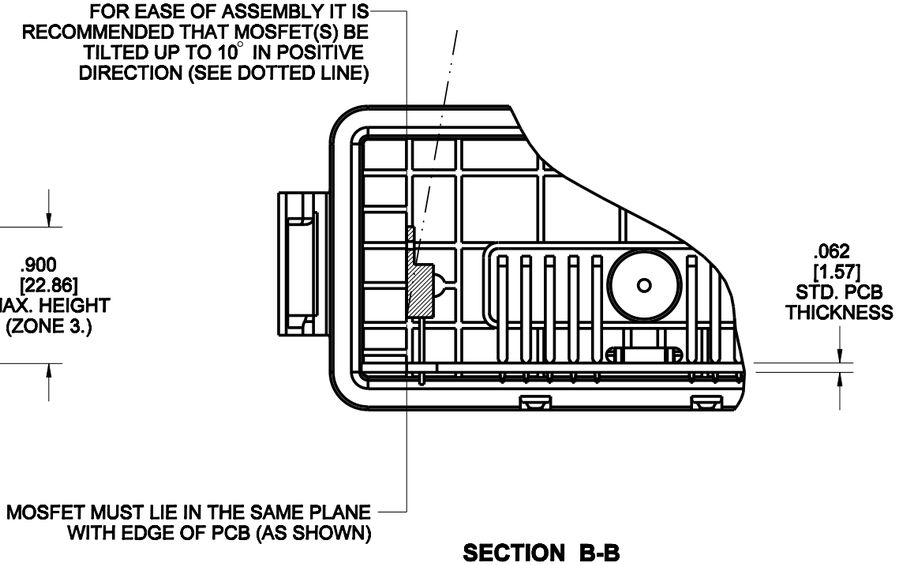
SCALE: 3:5

SHEET 5 OF 6

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SIDE VIEW
REQUIRED TO-220 PACKAGE PROFILE



SECTION B-B

UNITS ENGLISH	Cinch	1700 FINLEY RD LOMBARD, IL. 60148	
DO NOT SCALE DRAWING			
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES FILLET/RADII .02 MAX TOLERANCES: .X ± .1, .XX ± .01, .XXX ± .005, ANGULAR ± .5° TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH	TITLE: 60-WAY HEADERS LE MODICE		
	PRO/E DRAWING		
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	CAGE IDENT NO. 71785 / SIZE B	SCALE 1:1	SHEET 6 OF 6

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