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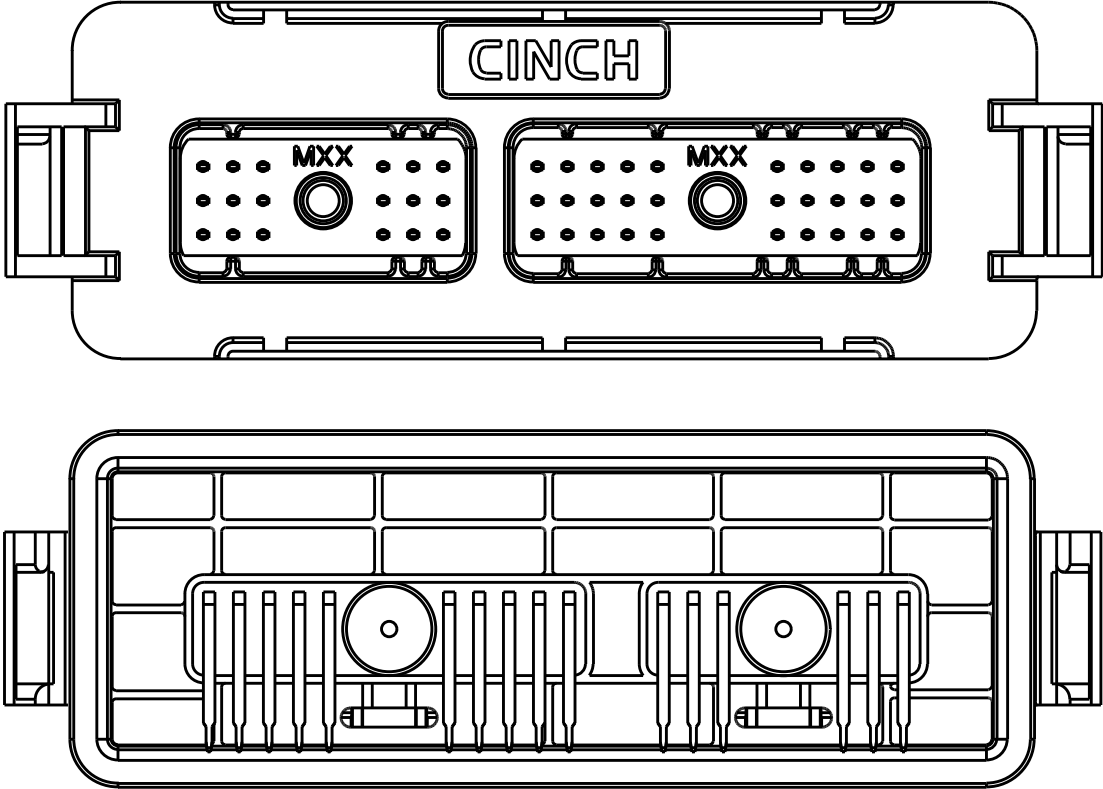
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CINCH PART NUMBER MATRIX

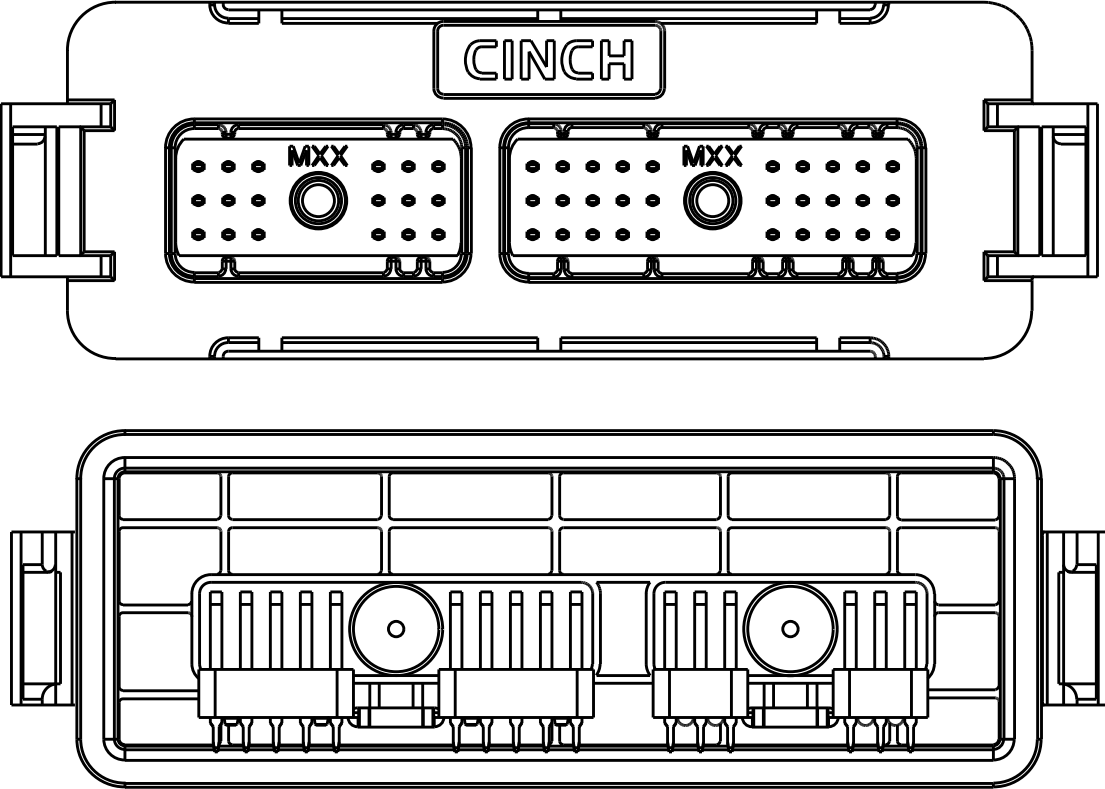
P/N: 581 01 48 005

48-WAY HEADER ASSEMBLY WITH OUT FERRITE FILTERS



P/N: 581 01 48 007

48-WAY HEADER ASSEMBLY WITH FERRITE FILTERS



MATES WITH CINCH HARNESS CONNECTORS P/N:
581 01 18 023 (18-WAY) AND 581 01 30 029 (30-WAY)

DRAWING REVISIONS

REV	DOCUMENT	APP	DATE
A	REL. FOR PRODUCTION D.O. 05-1157	A.C.	7/21/05
B	ECN: 05A468 ADDED LEGS AND ADDED SLOTS TO RIBS	A.C.	9/27/05
C	ECN: 06A635 ADDED SHEET 5 ADDED SHEET 6 MODIFIED SHEET 3 MODIFIED SHEET 4	A.C.	3/24/06
D	ECN: 06A408 REFORMATTED DRAWING PCB LAYOUTS REDRAWN WITH ADDITIONAL KEEP OUT AREAS	A.C.	9/28/06
E	CO 4256	N.C.	3/31/20

NOTES:

1. ALL DIMENSIONS ARE IN INCHES;
DIMENSION 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 OR WAVE SOLDERING PROCESS, ROHS COMPLIANT.

4. MATES WITH CINCH SHS PUSH-TO-SEAT HARNESS CONNECTORS (SEE TABLE ABOVE).

5. THERMALLY CONDUCTIVE ADHESIVE PASTE SOLD SEPARATLY: RECOMMENDED IS LOCTITE 383.

6. MOSFET SPRING PLATES ARE SOLD SEPARATLY (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: 72 PARTS/CARTON BOX.

ENGLISH INCHES

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°

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OF CINCH. NEITHER THIS DOCUMENT
NOR ANY OF THE INFORMATION
CONTAINED IN IT MAY BE DUPLICATED
OR DISCLOSED WITHOUT PRIOR
WRITTEN CONSENT OF CINCH.

RoHS COMPLIANT

PRO/E

SE HEADERS
MODULAR ICE

SEE NOTE 2.

5810148005S

71785

B

1:1

SHEET 1 OF 6

MODELED BY:

1700 FINLEY RD
LOMBARD, IL. 60148

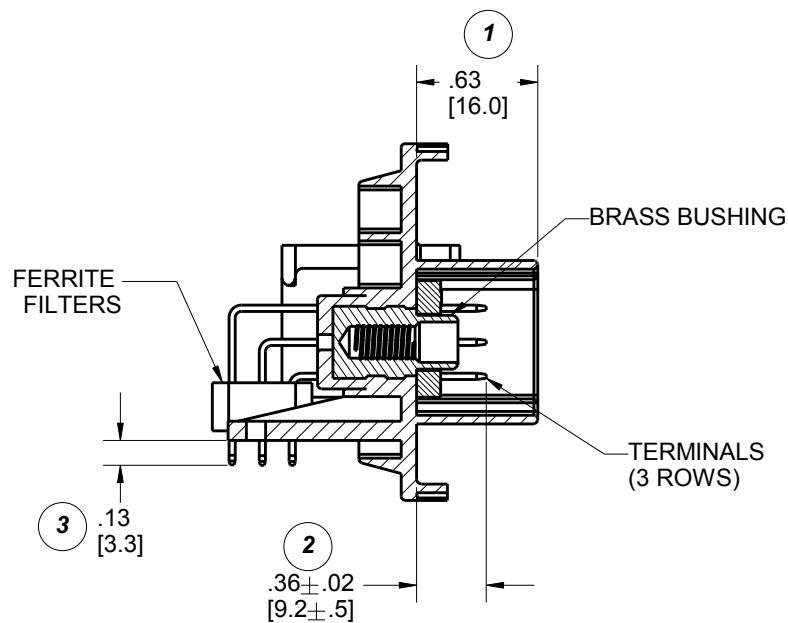
CONTROL SPEC NUMBER

PROJECT NUMBER
A 14562

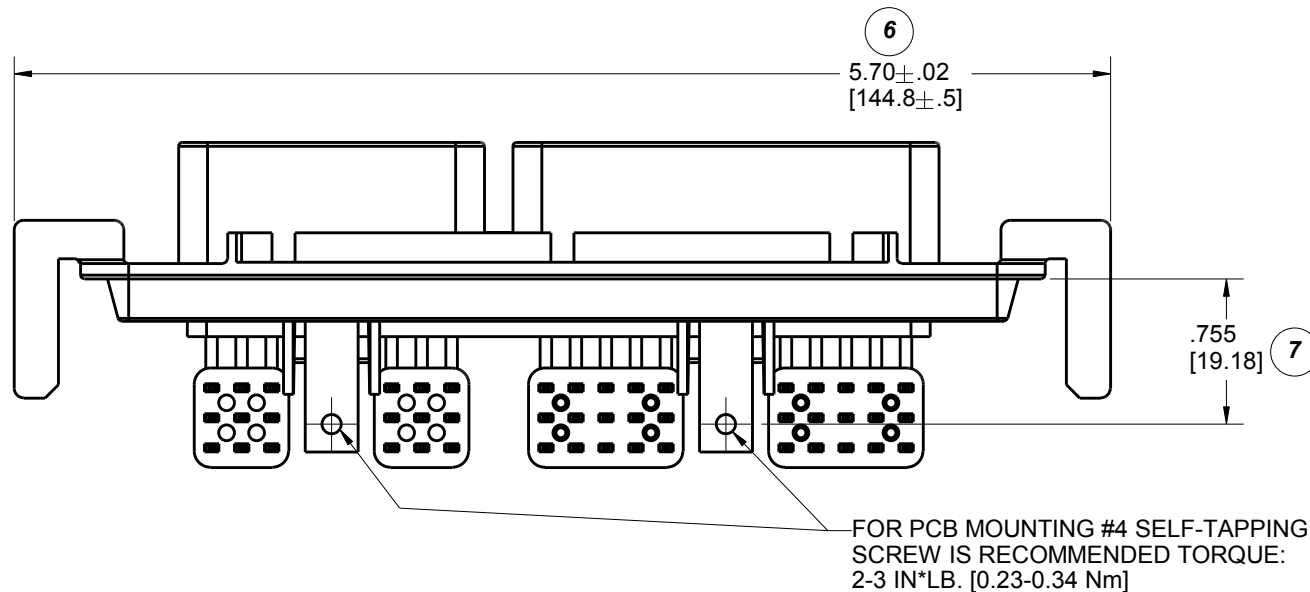
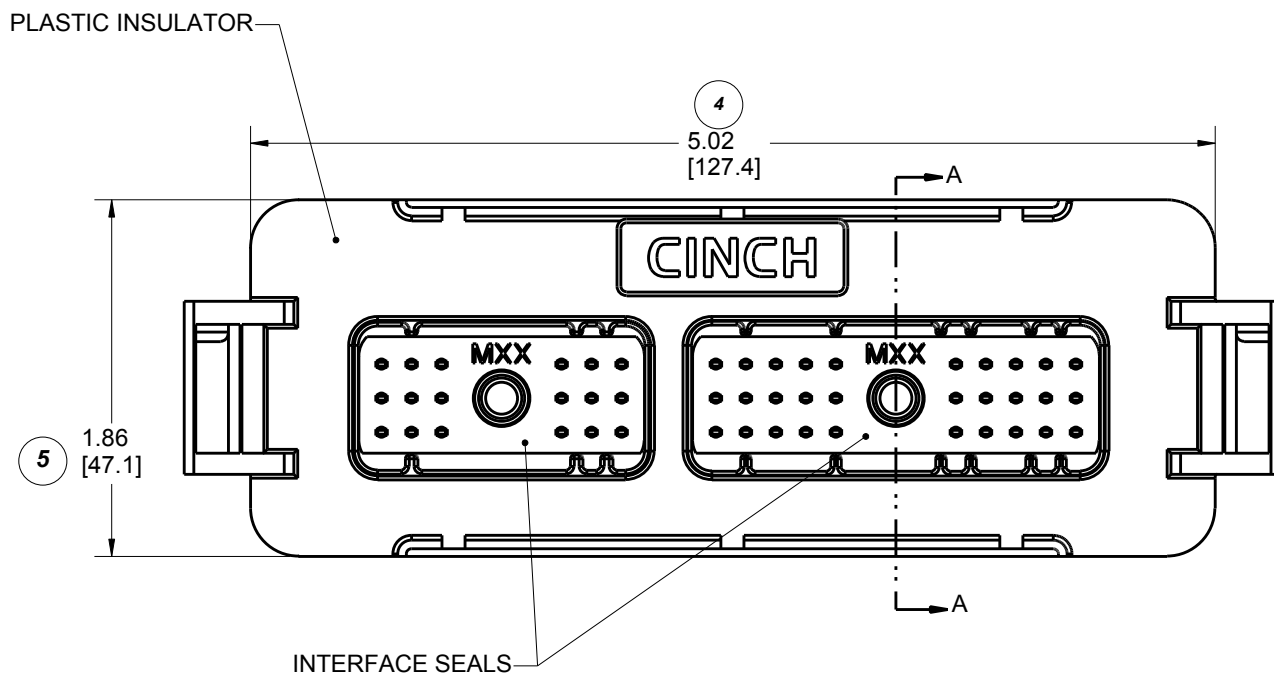
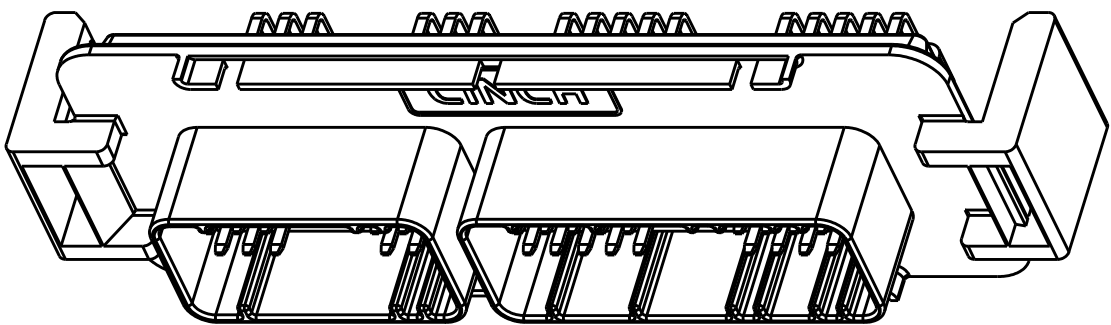
DRAWING NUMBER
581 01 48 005 S

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Please read our datasheet & drawing disclaimer [here](#).

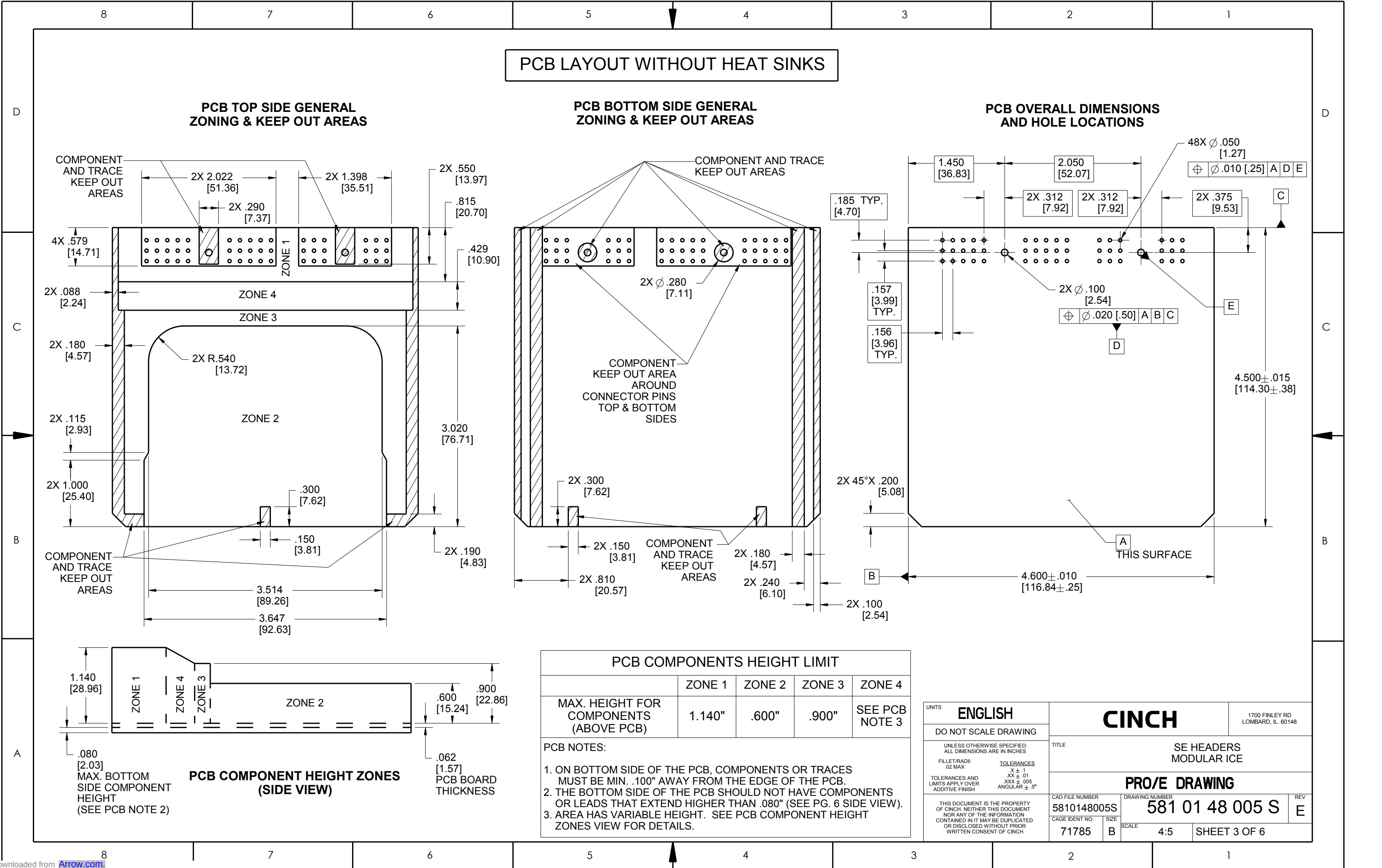


SECTION A-A



CINCH P/N: 581 01 48 007 SHOWN
(HEADER WITH FILTERS)

UNITS		ENGLISH		CINCH		1700 FINLEY RD LOMBARD, IL. 60148		
DO NOT SCALE DRAWING								
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES				TITLE				
FILLET/RADII .02 MAX				SE HEADERS MODULAR ICE				
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH				TOLERANCES X ± .1 XX ± .01 XXX ± .005 ANGULAR ± .5°				
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				CAD FILE NUMBER 5810148005S		DRAWING NUMBER 581 01 48 005 S		REV E
				CAGE IDENT NO. 71785	SIZE B	SCALE 1:1	SHEET 2 OF 6	

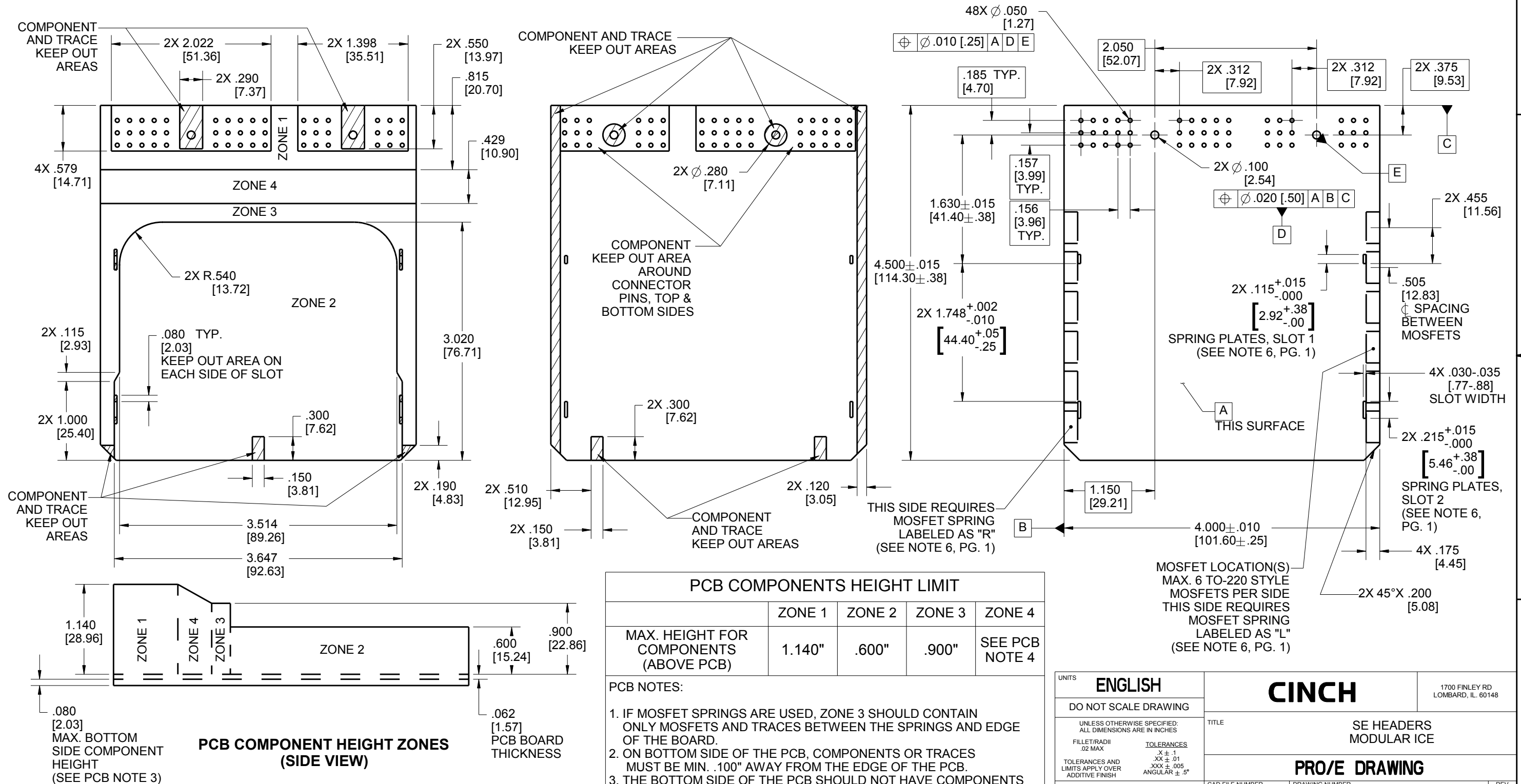


PCB LAYOUT WITH TWO HEAT SINKS

PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS

PCB OVERALL DIMENSIONS AND HOLE LOCATIONS

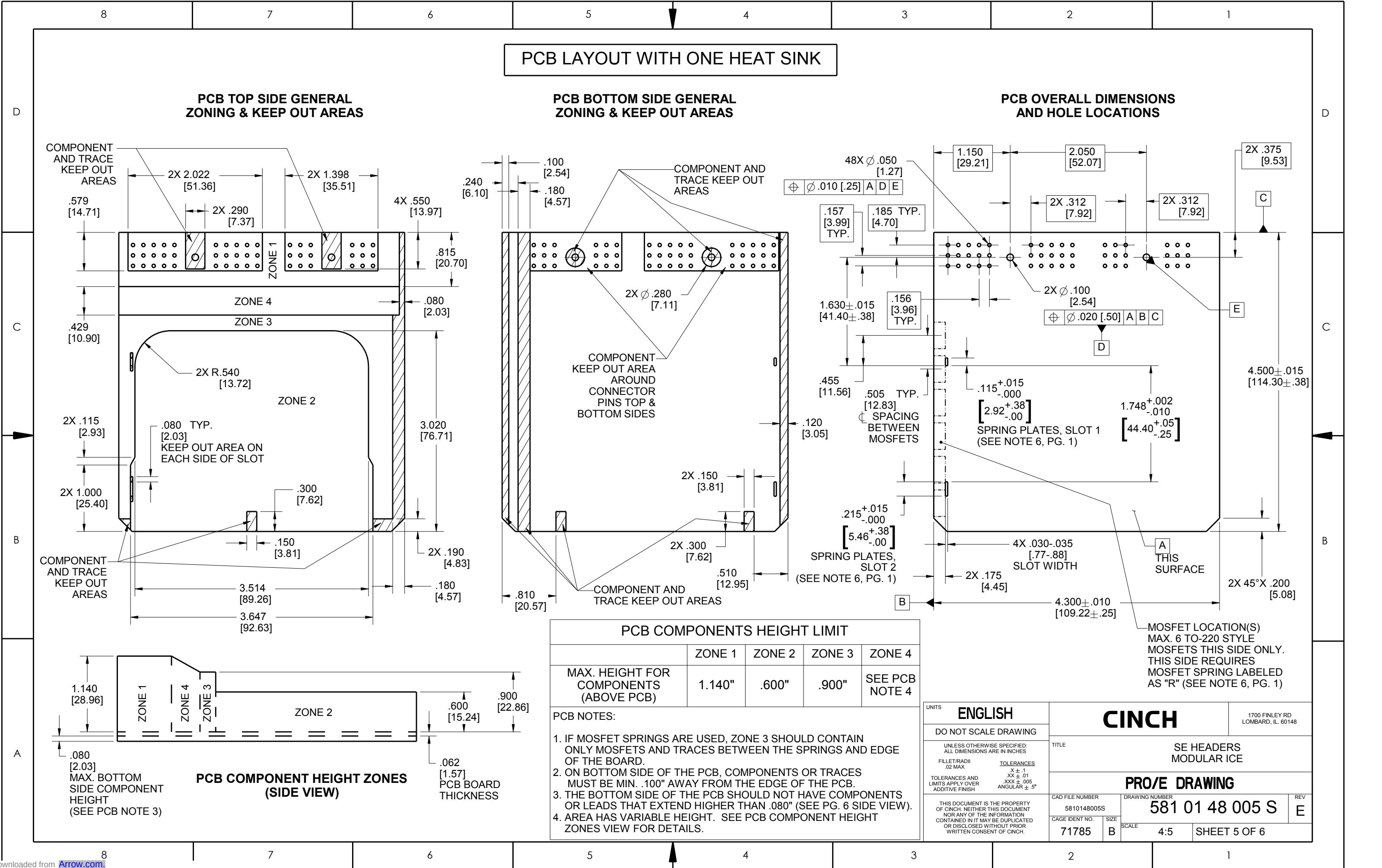


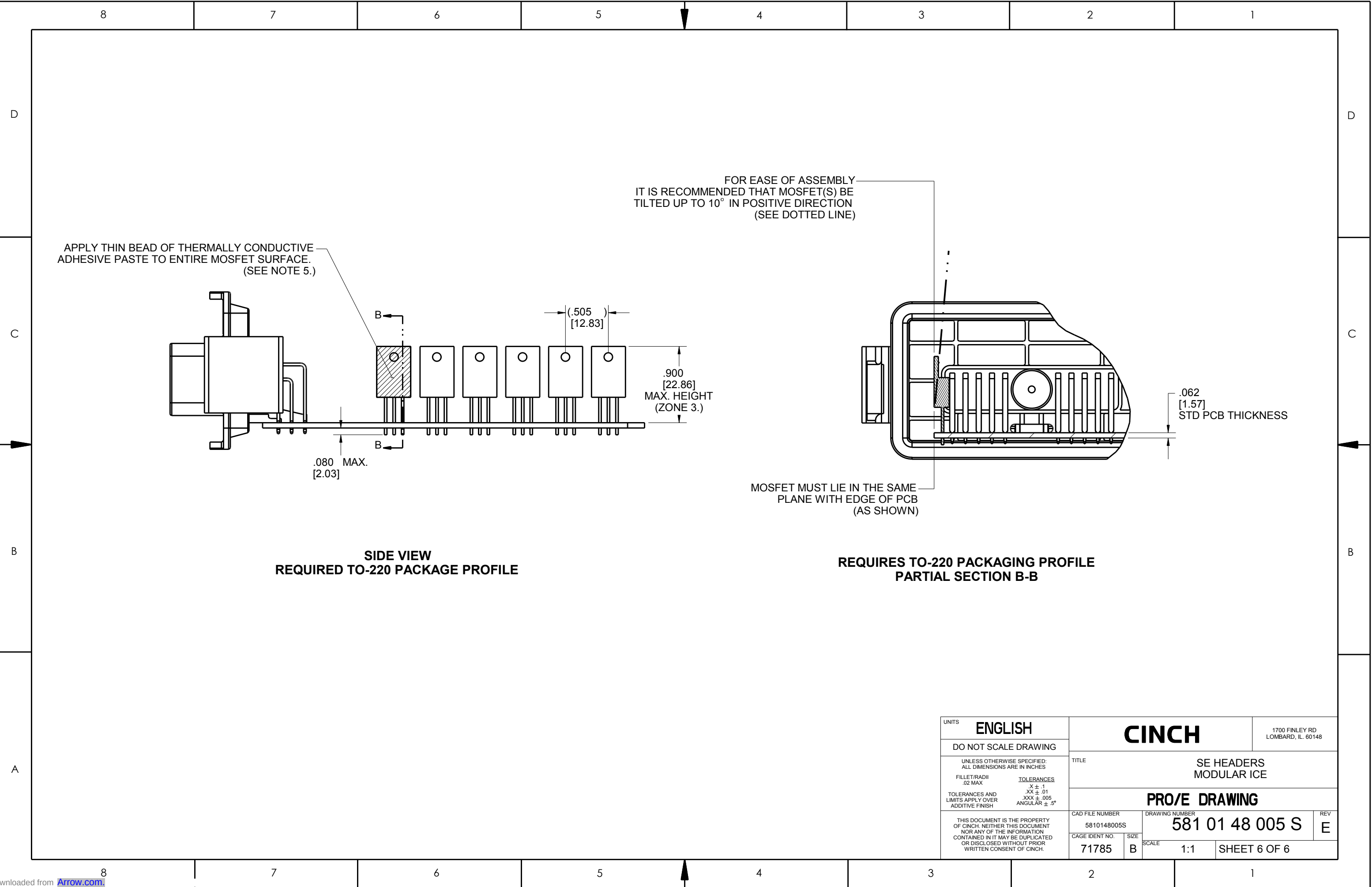
PCB COMPONENTS HEIGHT LIMIT				
	ZONE 1	ZONE 2	ZONE 3	ZONE 4
MAX. HEIGHT FOR COMPONENTS (ABOVE PCB)	1.140"	.600"	.900"	SEE PCB NOTE 4

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	CINCH	1700 FINLEY RD LOMBARD, IL. 60148			
	DO NOT SCALE DRAWING					
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		TITLE	SE HEADERS MODULAR ICE			
FILLET/RADII .02 MAX	<u>TOLERANCES</u> .X ± .1 .XX ± .01 .XXX ± .005 TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH ANGULAR ± .5°		PRO/E DRAWING			
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		5810148005S	581 01 48 005 S		E	
		CAGE IDENT NO.	SIZE	SCALE		
		71785	B	4:5		SHEET 4 OF 6





SIDE VIEW
REQUIRED TO-220 PACKAGE PROFILE

REQUIRES TO-220 PACKAGING PROFILE
PARTIAL SECTION B-B

UNITS		CINCH		1700 FINLEY RD LOMBARD, IL. 60148		
ENGLISH						
DO NOT SCALE DRAWING		TITLE SE HEADERS MODULAR ICE				
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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		CAD FILE NUMBER		DRAWING NUMBER		REV
		5810148005S		581 01 48 005 S		E
		CAGE IDENT NO.	SIZE	SCALE		
		71785	B	1:1	SHEET 6 OF 6	