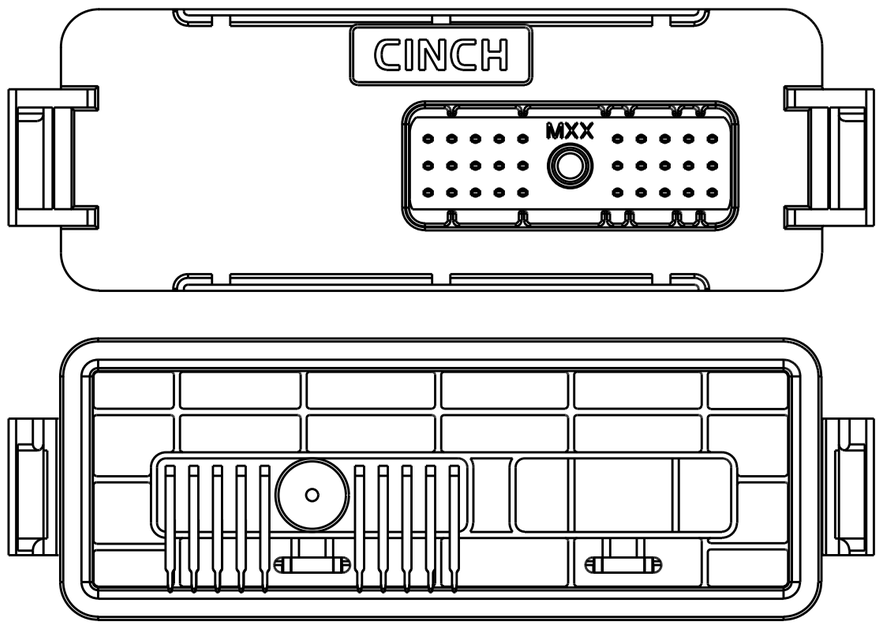
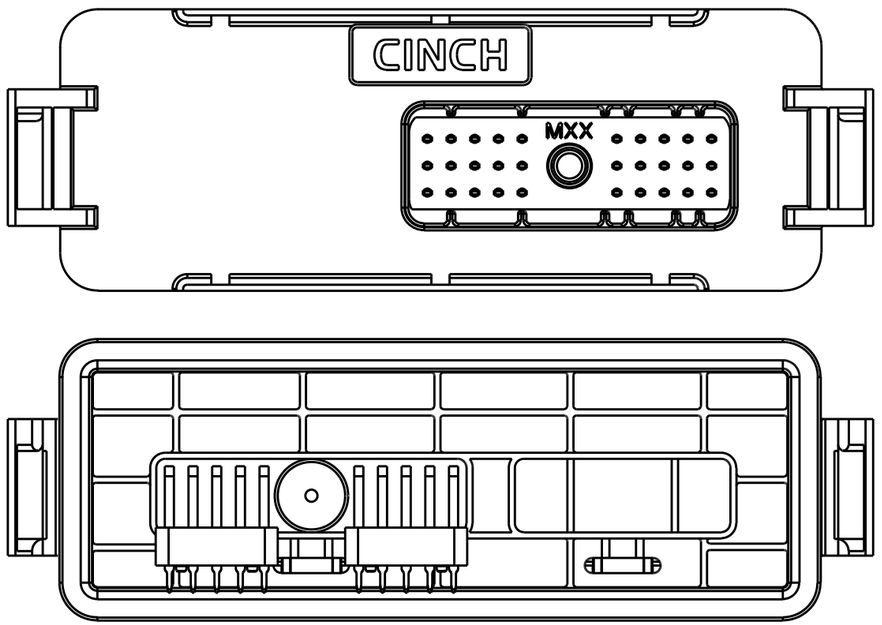
CINCH PART NUMBER MATRIX

P/N: 581 01 30 044	P/N: 581 01 30 046
30-WAY HEADER ASSEMBLY WITH OUT FERRITE FILTERS	30-WAY HEADER ASSEMBLY WITH FERRITE FILTERS
	
MATES WITH CINCH HARNESS CONNECTORS P/N: 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: 06A032 ADDED SHEET 5 ADDED SHEET 6 MODIFIED SHEET 3 MODIFIED SHEET 4	A.C.	3/23/06
D	ECN: 06A409 REFORMATTED DRAWING PCB LAYOUTS REDRAWN WITH ADDITIONAL KEEP OUT AREAS	A.C.	9/29/06
E	CO 4256	N.C.	3/31/20

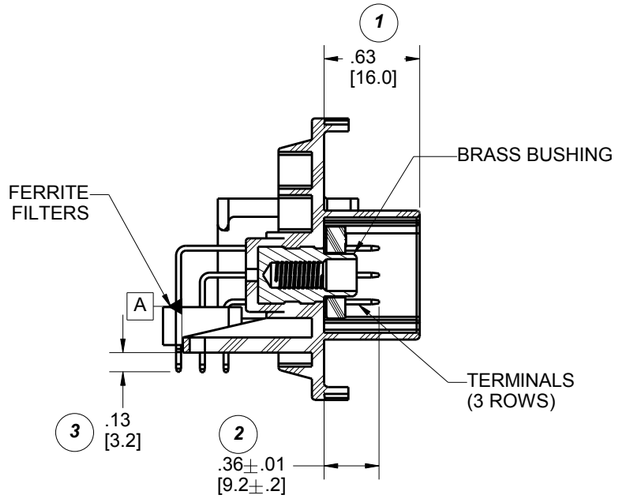
NOTE:

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.

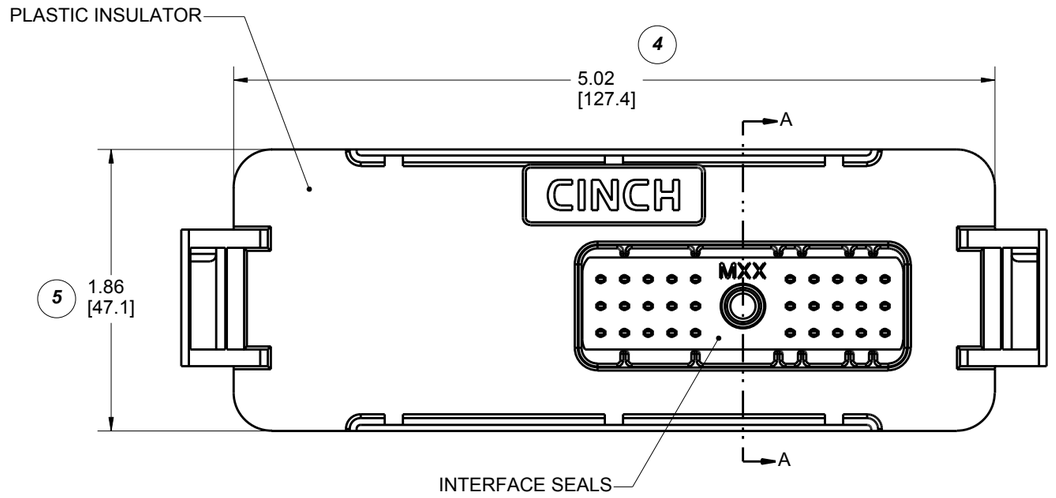
RoHS COMPLIANT

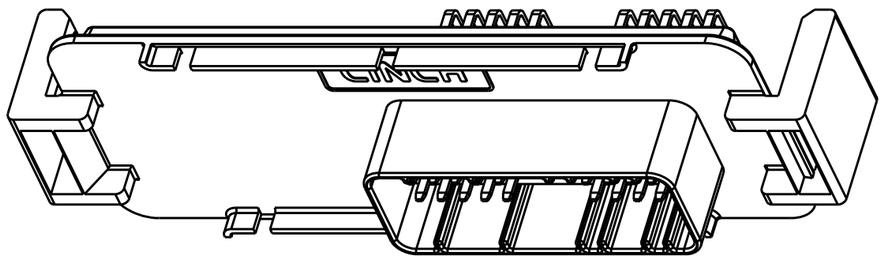
UNITS: ENGLISH	PRO/E	CINCH	MODELED BY: 1700 FINLEY RD LOMBARD, IL. 60148
DO NOT SCALE DRAWING	DRAWN BY: B. KOSTIC — DATE: 09/03/04	TITLE: 30-WAY HEADERS MODICE SE	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES FILLET/RADII .02 MAX TOLERANCES: X ± .1, .XX ± .01, .XXX ± .005, ANGULAR ± .5° TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH	DESIGN ENGINEER: B. KOSTIC — 09/03/04	MATERIAL: SEE NOTE 2.	CONTROL SPEC NUMBER:
	DESIGN ENGINEERING MGR.: A. CAINES — 11/18/04	MATERIAL SPEC NUMBER / FINISH	PROJECT NUMBER: A14562
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.	MFG. ENGINEERING: R. GARZA — 11/18/04	CAD FILE NUMBER: 5810130044s_HEADERS	DRAWING NUMBER: 581 01 30 044 S
	QUALITY ASSURANCE: R. QUIROZ — 11/18/04	CAGE IDENT NO.: 71785 — SIZE: B	SCALE: 1:1 — SHEET 1 OF 6

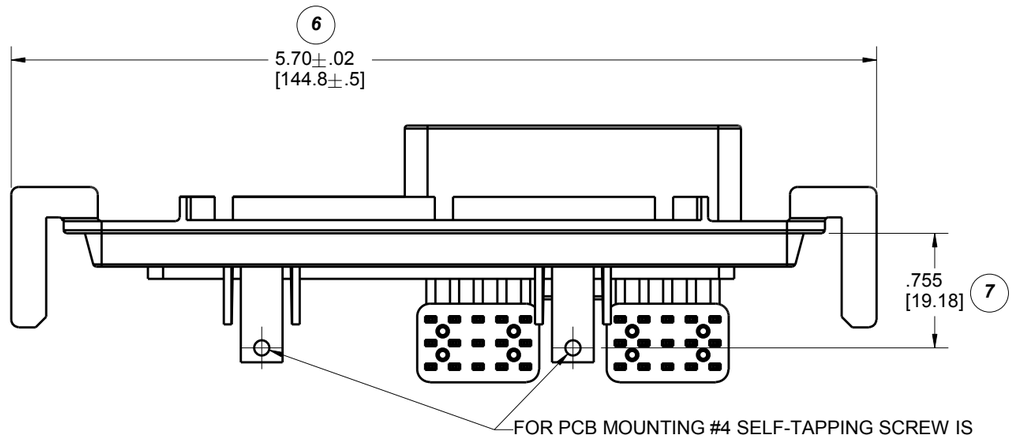
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Please read our datasheet & drawing disclaimer here.



SECTION A-A







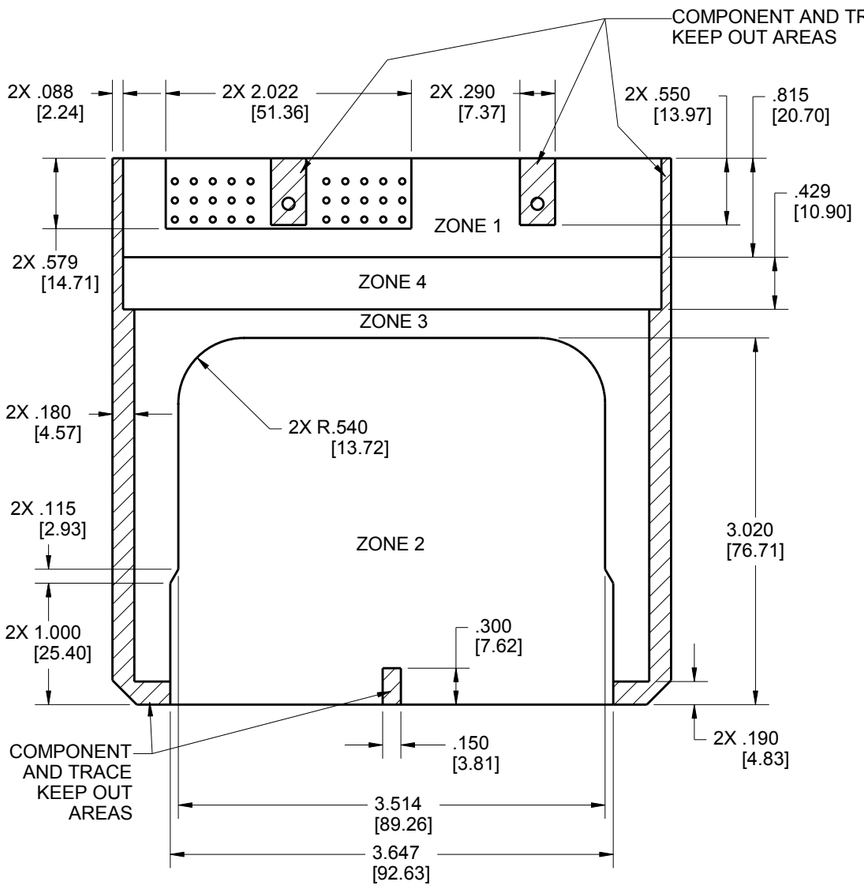
CINCH P/N: 581 01 30 046 SHOWN
(HEADER WITH FILTERS)

UNITS ENGLISH	CINCH	1700 FINLEY RD LOMBARD, IL. 60148
DO NOT SCALE DRAWING	TITLE: 30-WAY HEADERS MODICE SE	
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°	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: 5810130044s_HEADERS DRAWING NUMBER: 581 01 30 044 S REV: E CAGE IDENT NO.: 71785 SIZE: B SCALE: 1:1 SHEET 2 OF 6	

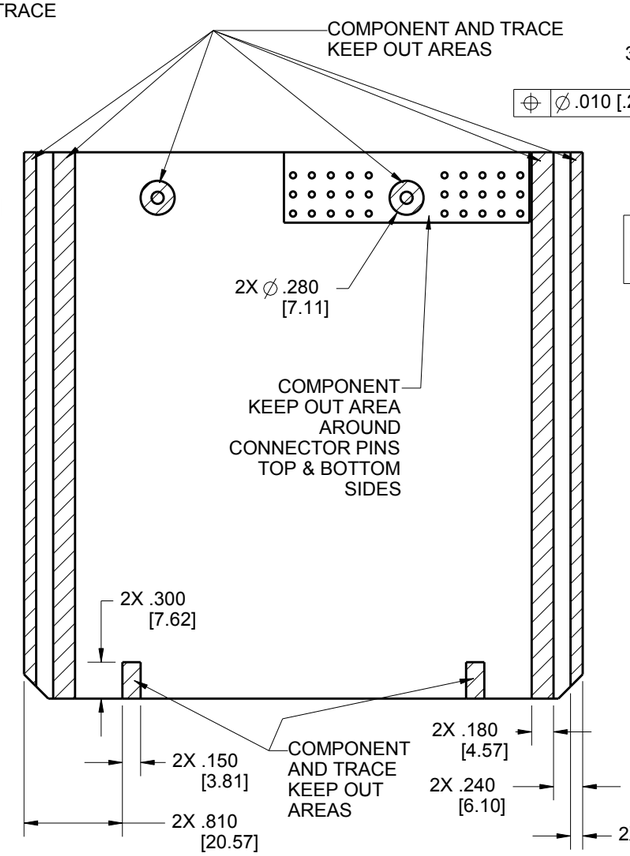
Downloaded from Arrow.com.

PCB LAYOUT WITHOUT HEAT SINKS

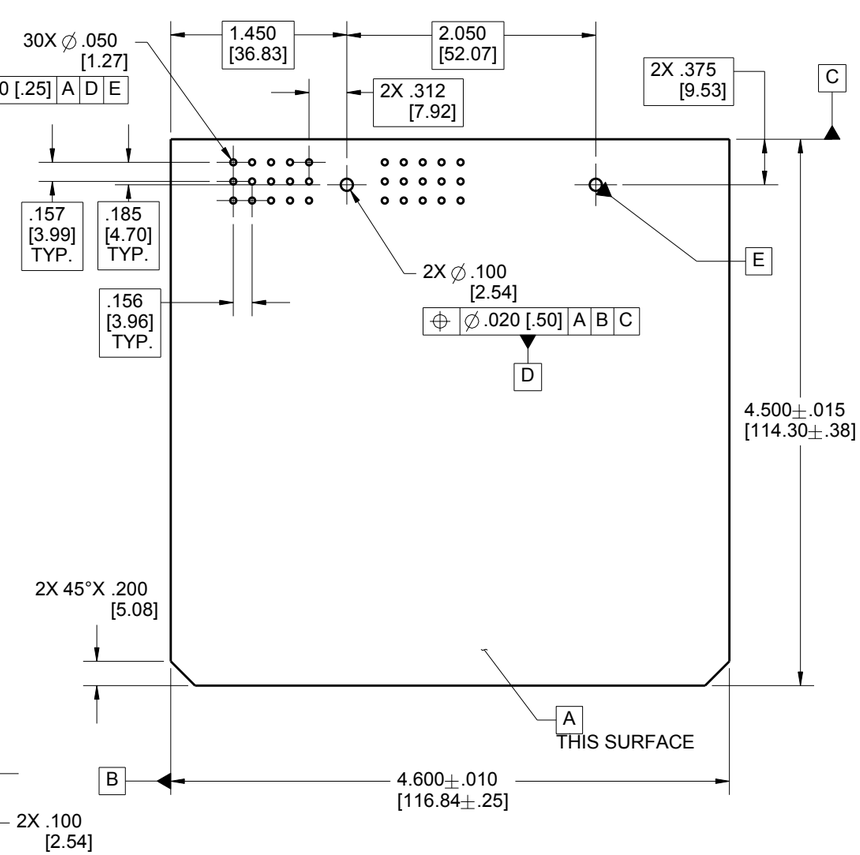
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

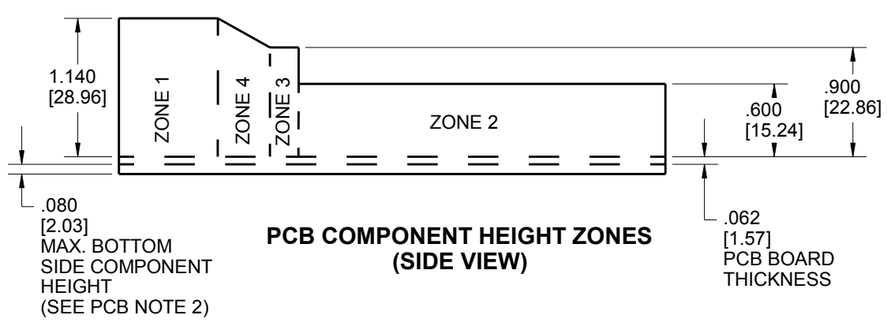


PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS





PCB COMPONENT HEIGHT ZONES (SIDE VIEW)

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

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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CINCH

1700 FINLEY RD
LOMBARD, IL. 60148

TITLE: 30-WAY HEADERS MODICE SE

PRO/E DRAWING

CAD FILE NUMBER: 5810130044s_HEADERS

DRAWING NUMBER: 581 01 30 044 S

REV: E

CAGE IDENT NO.: 71785

SIZE: B

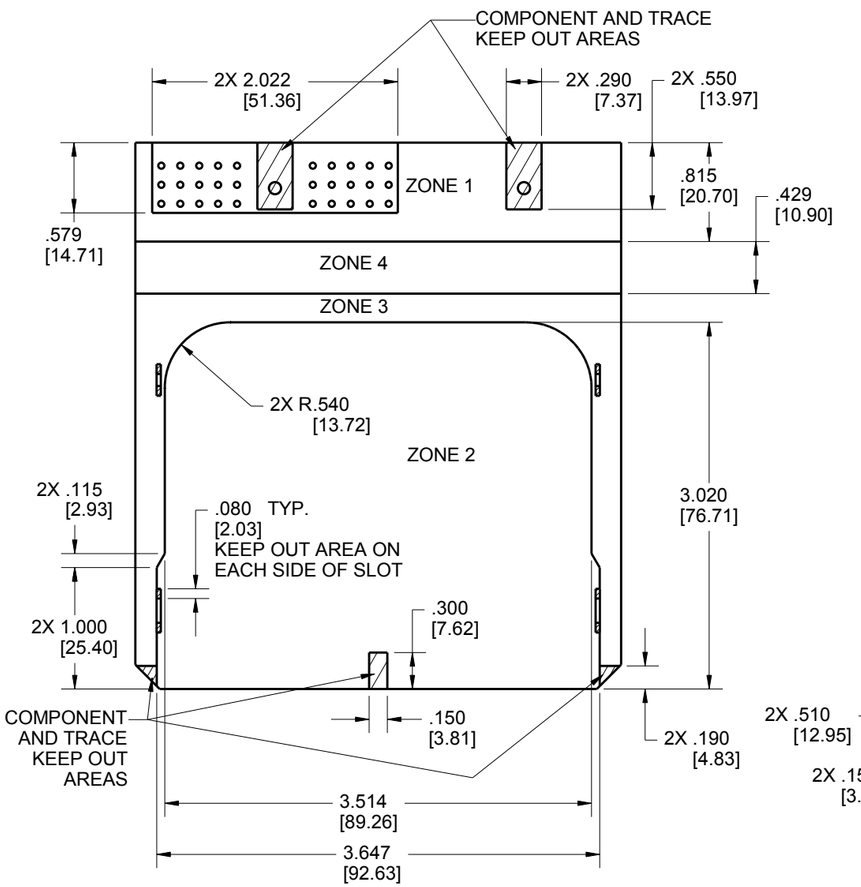
SCALE: 4:5

SHEET 3 OF 6

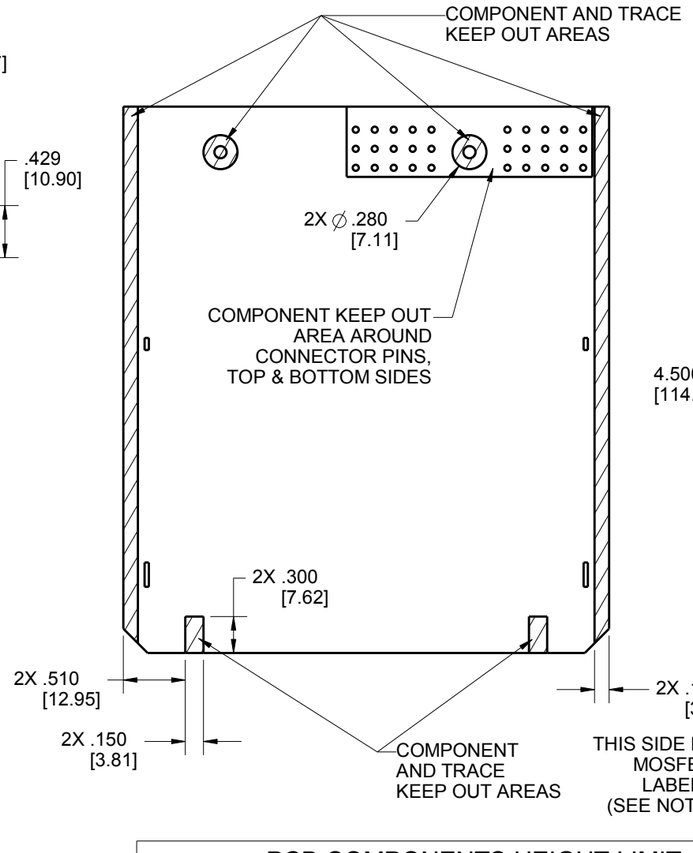
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PCB LAYOUT WITH TWO HEAT SINKS

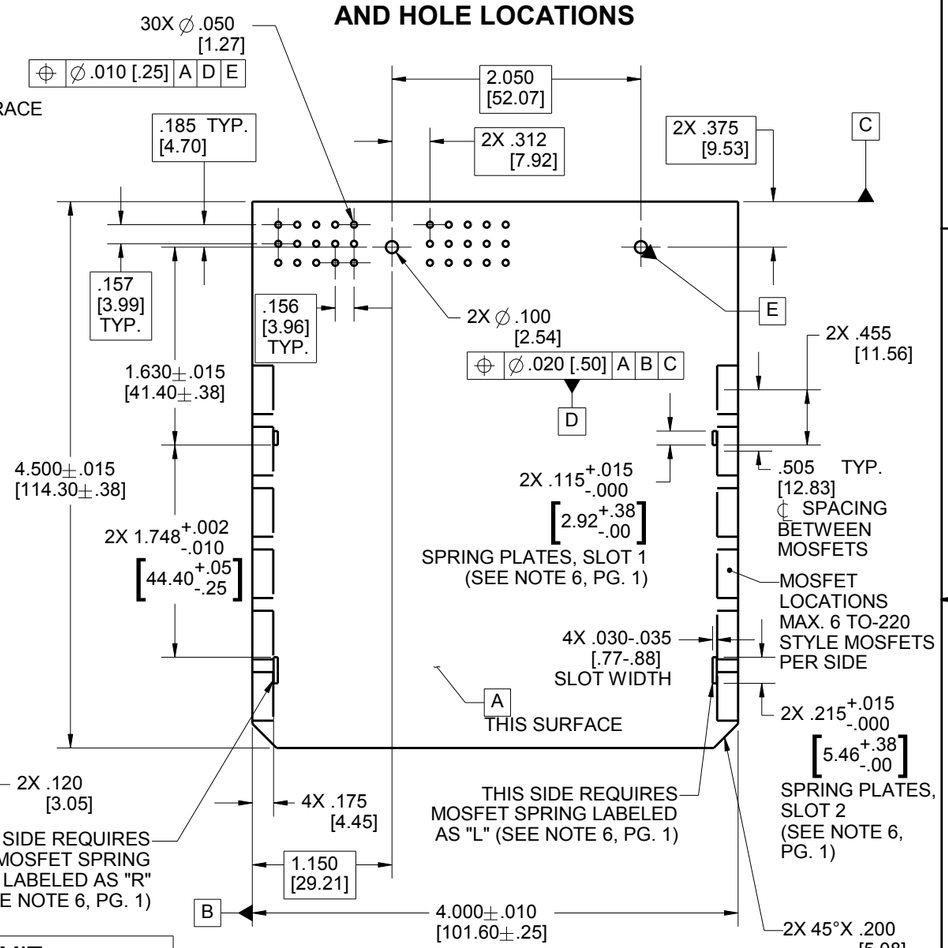
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

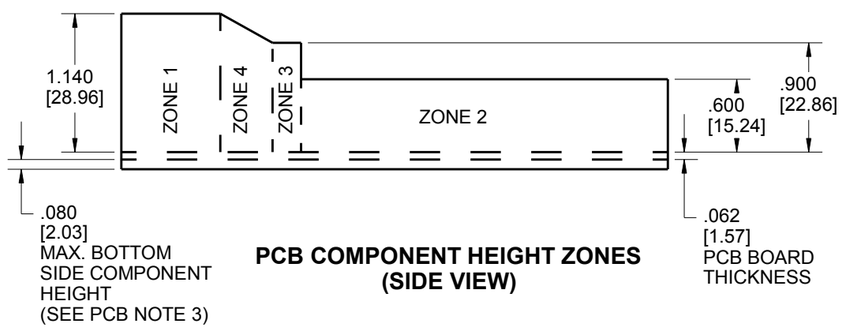


PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS





PCB COMPONENT HEIGHT ZONES (SIDE VIEW)

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
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: 30-WAY HEADERS MODICE SE

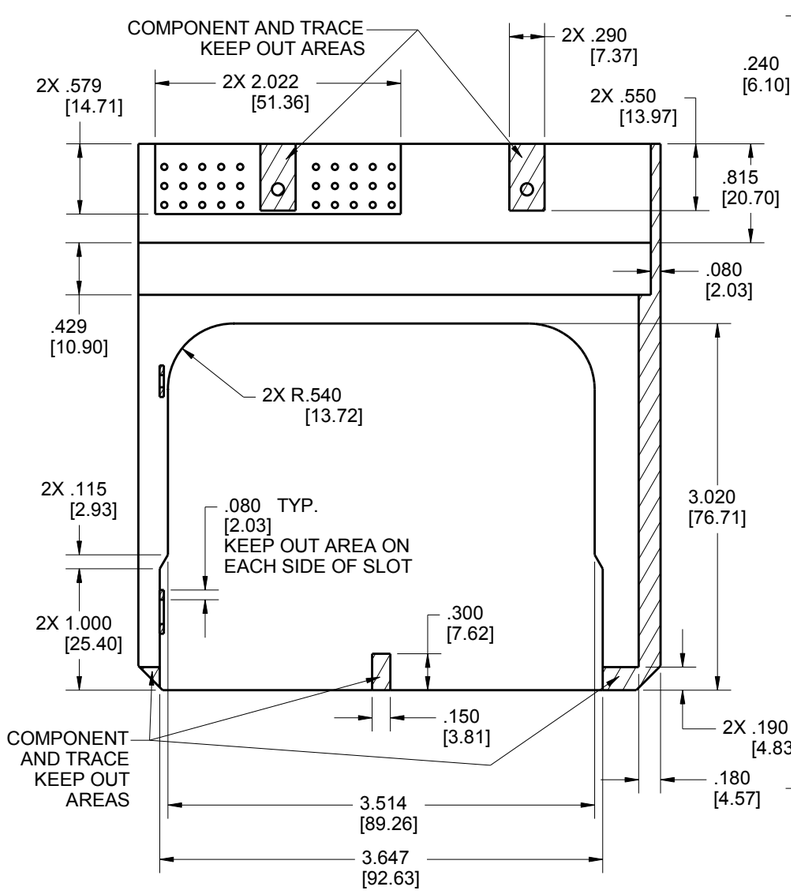
PRO/E DRAWING

CAD FILE NUMBER: 5810130044s_HEADERS
DRAWING NUMBER: 581 01 30 044 S
REV: E
CAGE IDENT NO.: 71785
SIZE: B
SCALE: 4:5
SHEET 4 OF 6

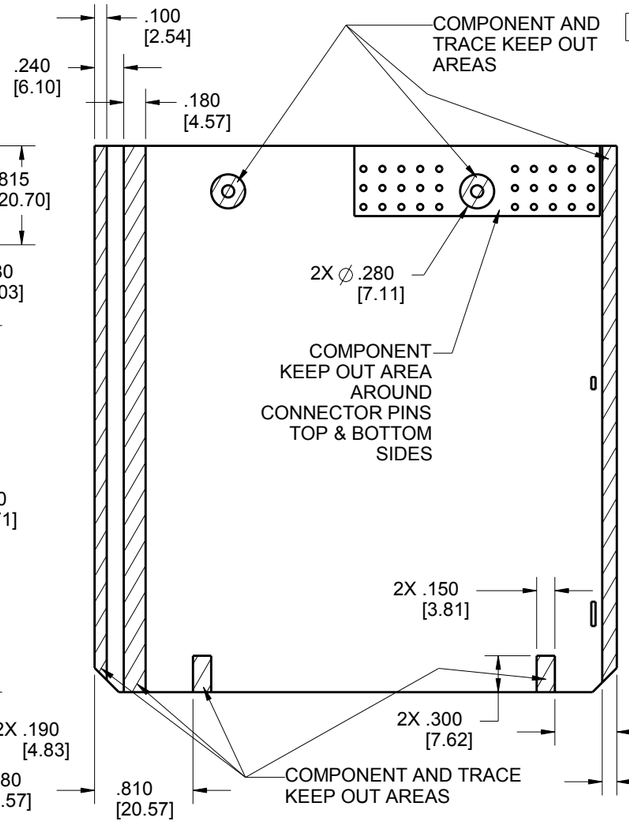
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PCB LAY-OUT WITH ONE HEAT SINK

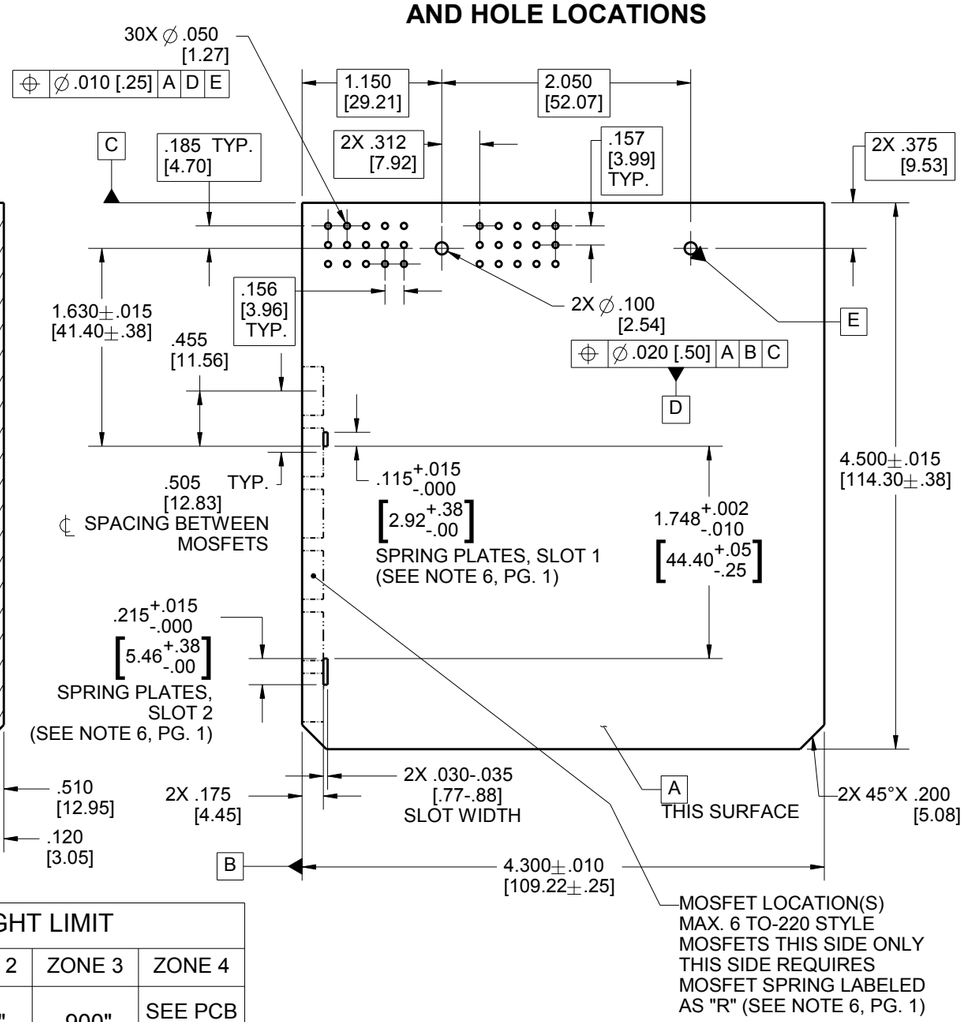
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS

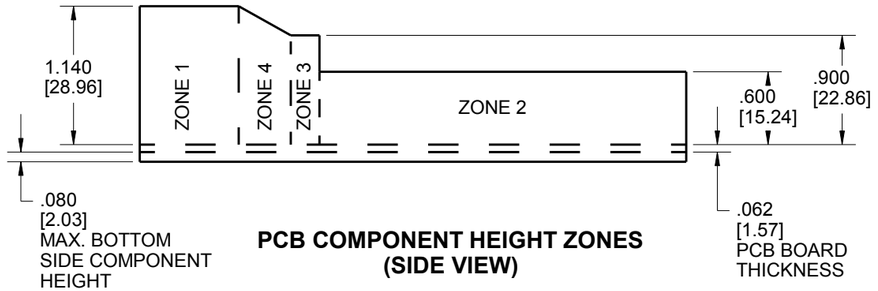


PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS





PCB COMPONENT HEIGHT ZONES (SIDE VIEW)

PCB COMPONENTS HEIGHT LIMIT				
	ZONE 1	ZONE 2	ZONE 3	ZONE 4
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
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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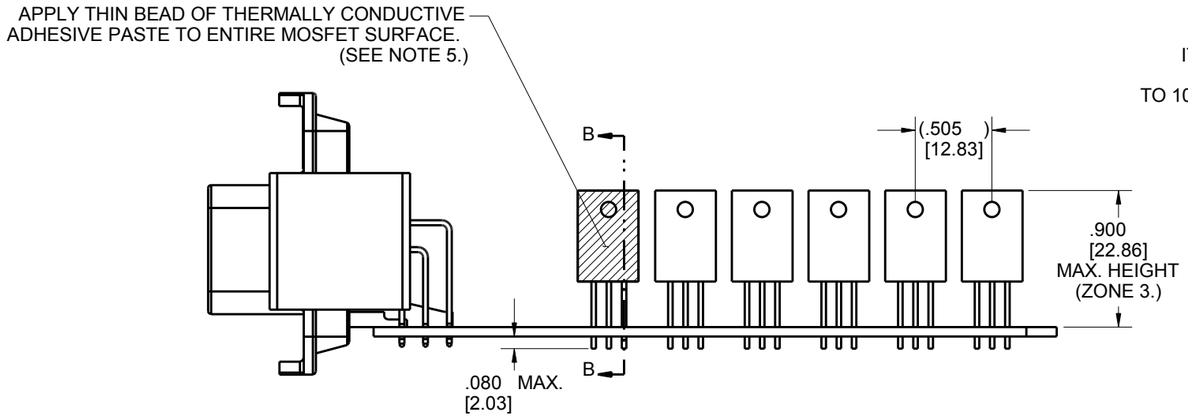
CINCH
1700 FINLEY RD
LOMBARD, IL. 60148

TITLE: 30-WAY HEADERS MODICE SE

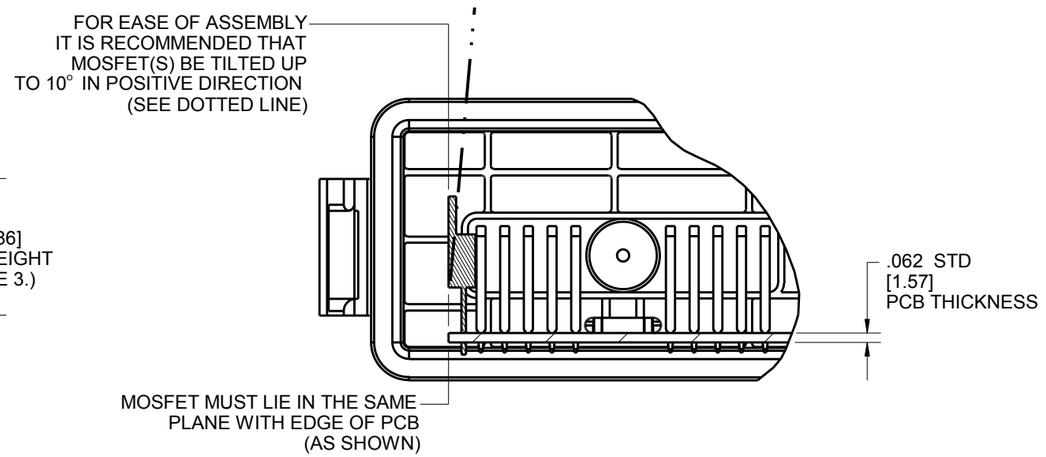
PRO/E DRAWING

CAD FILE NUMBER: 5810130044s_HEADERS
DRAWING NUMBER: 581 01 30 044 S
REV: E
CAGE IDENT NO.: 71785
SIZE: B
SCALE: 4:5
SHEET 5 OF 6

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SIDE VIEW
REQUIRED TO-220 PACKAGE PROFILE



REQUIRES TO-220 PACKAGING PROFILE
PARTIAL SECTION B-B

UNITS ENGLISH		CINCH	1700 FINLEY RD LOMBARD, IL. 60148
DO NOT SCALE DRAWING		TITLE	30-WAY HEADERS MODICE SE
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 5810130044s_HEADERS	DRAWING NUMBER 581 01 30 044 S	REV E
	CAGE IDENT NO. 71785 / SIZE B	SCALE 1:1	SHEET 6 OF 6

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