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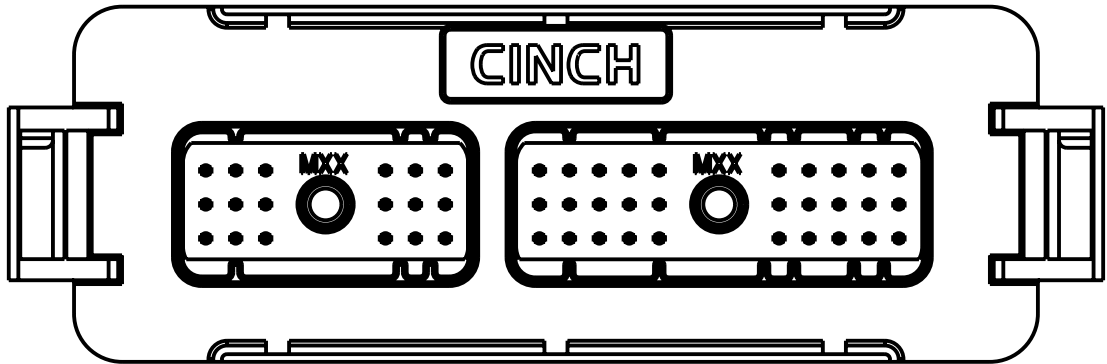
CINCH PART NUMBER MATRIX

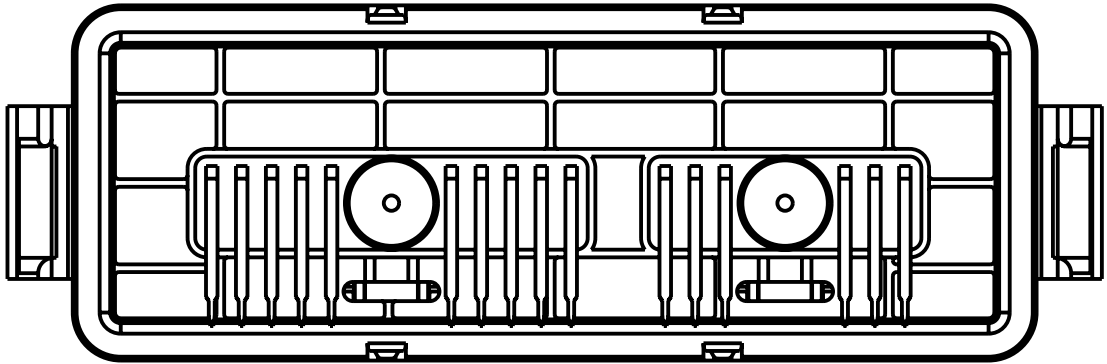
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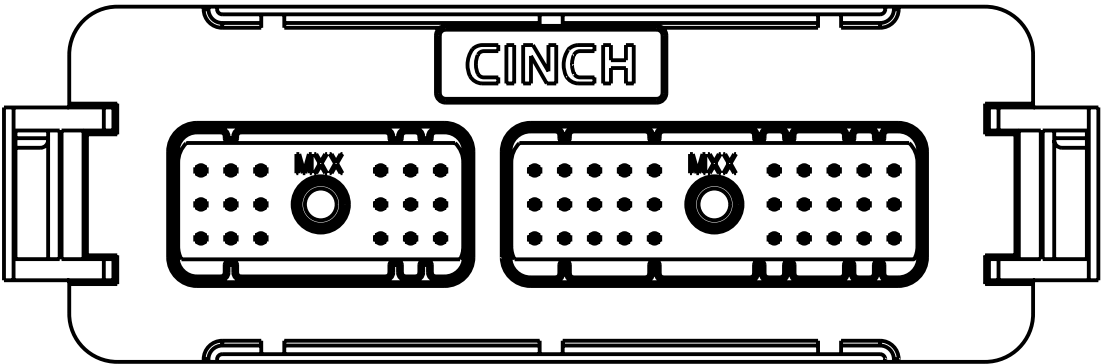
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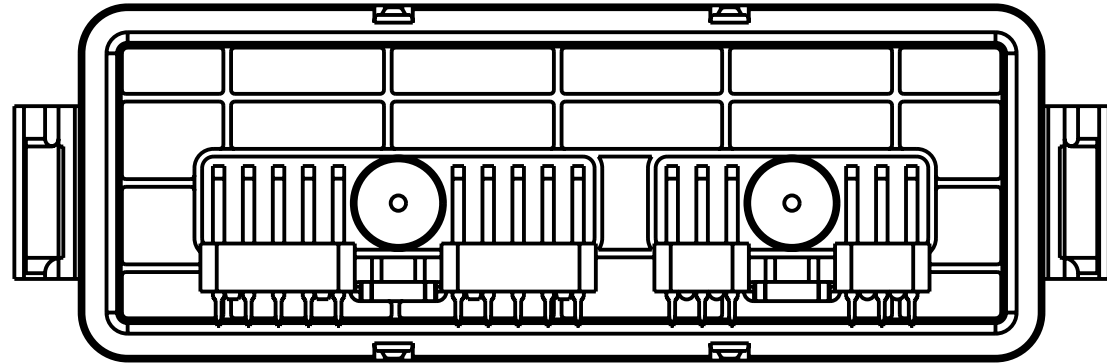
48-WAY HEADER ASSEMBLY WITH OUT FERRITE FILTERS

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

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.

UNITS

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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NOR ANY OF THE INFORMATION
CONTAINED IN IT MAY BE DUPLICATED
OR DISCLOSED WITHOUT PRIOR
WRITTEN CONSENT OF CINCH.

RoHS COMPLIANT

PRO/E

DRAWN BY
B. KOSTIC

DATE
09/03/04

DESIGN ENGINEER
B. KOSTIC

DESIGN ENGINEERING MGR.
A. CAINES

MFG. ENGINEERING
R. GARZA

QUALITY ASSURANCE
R. QUIROZ

TITLE
48-WAY HEADERS
MODICE SE

MATERIAL
SEE NOTE 2.

MATERIAL SPEC NUMBER

FINISH

CAD FILE NUMBER
5810148005S

CAGE IDENT NO.
71785

SIZE
B

SCALE
1:1

CONTROL SPEC NUMBER

PROJECT NUMBER
A 14562

DRAWING NUMBER
581 01 48 005 S

SHEET 1 OF 6

MODELED BY:

1700 FINLEY RD
LOMBARD, IL. 60148

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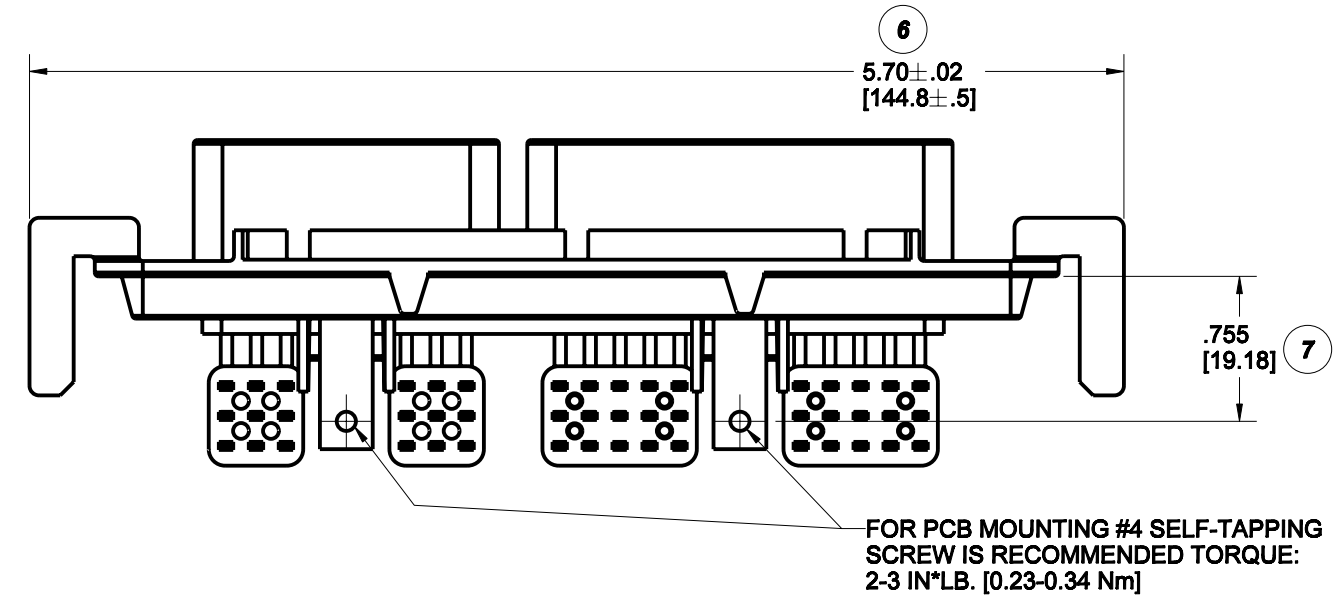
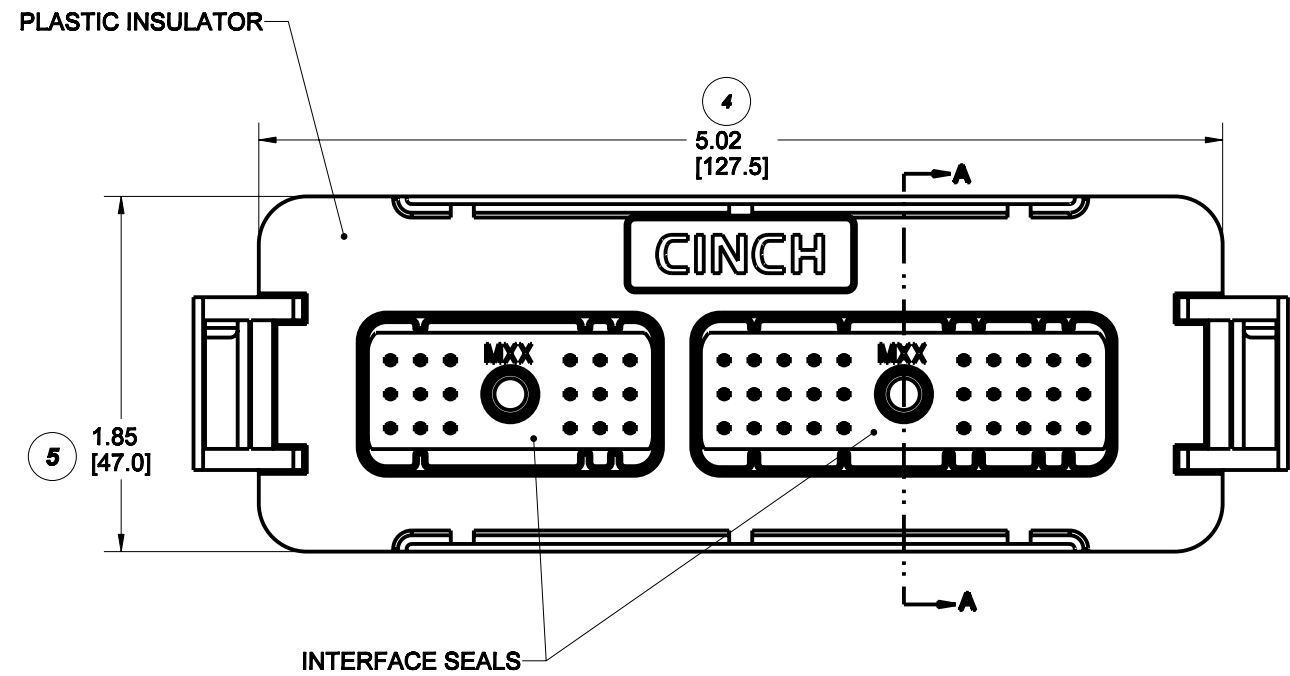
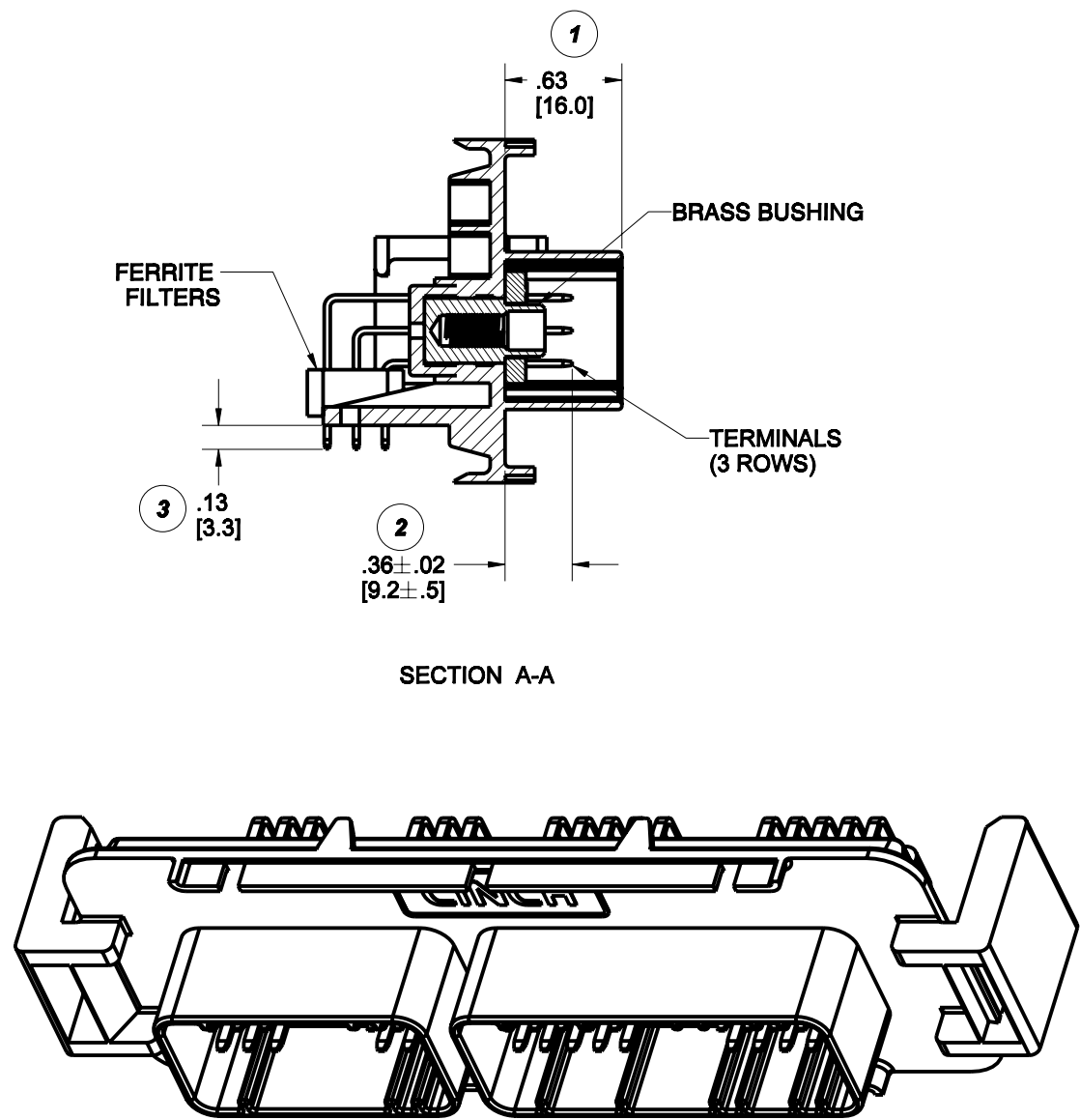
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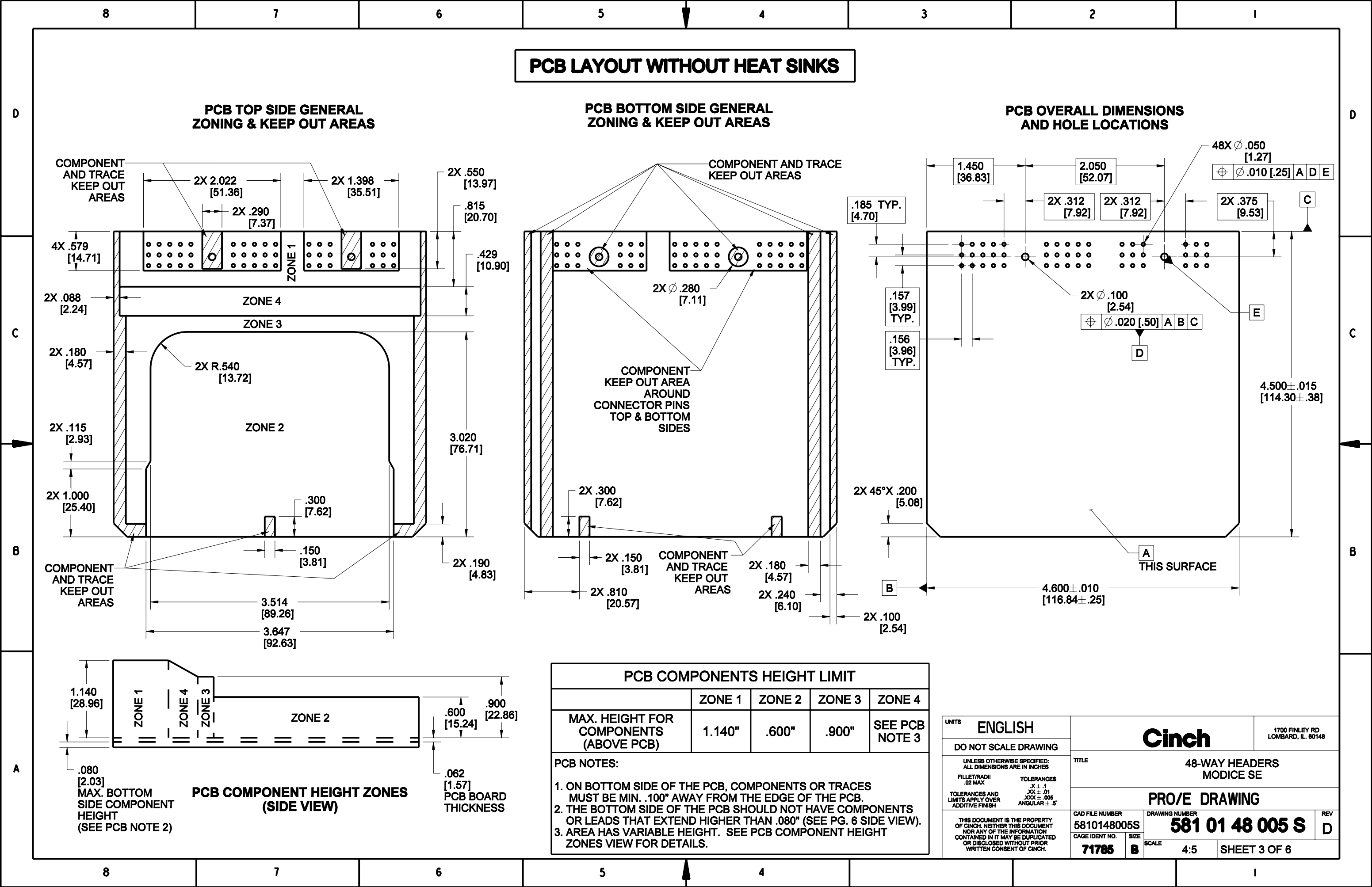
1

Downloaded from Arrow.com



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 48-WAY HEADERS MODICE SE				
FILLET/RADII .02 MAX						
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH		PRO/E DRAWING				
TOLERANCES X ± .1 XX ± .01 XXX ± .005 ANGULAR ± .5°						
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 5810148005S		DRAWING NUMBER 581 01 48 005 S		REV D
		CAGE IDENT NO. 71785		SCALE 1:1		SHEET 2 OF 6
		SIZE B				



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
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/RADIUS
.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
48-WAY HEADERS
MODICE SE

PRO/E DRAWING

CAD FILE NUMBER
5810148005S

DRAWING NUMBER
581 01 48 005 S

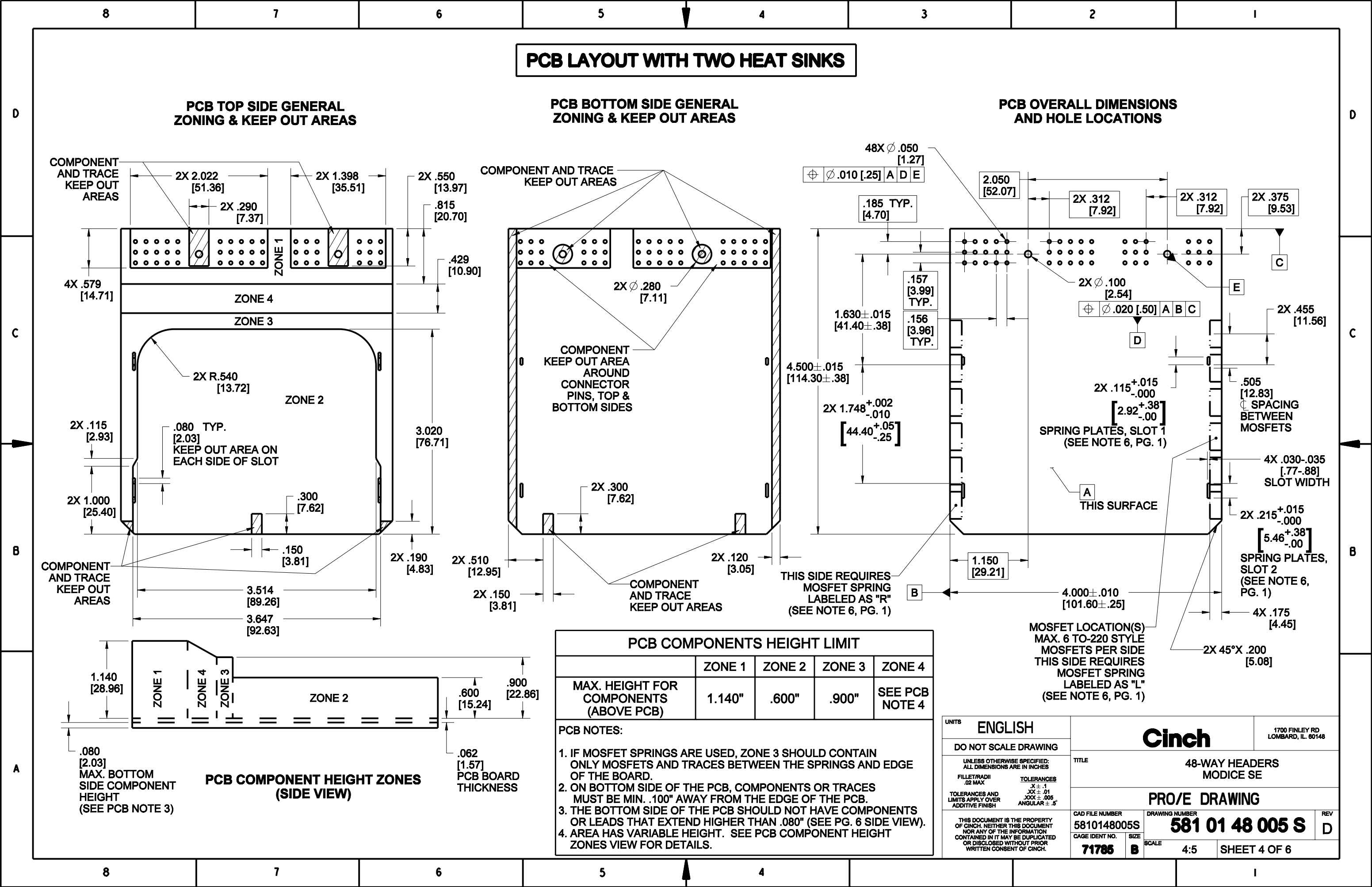
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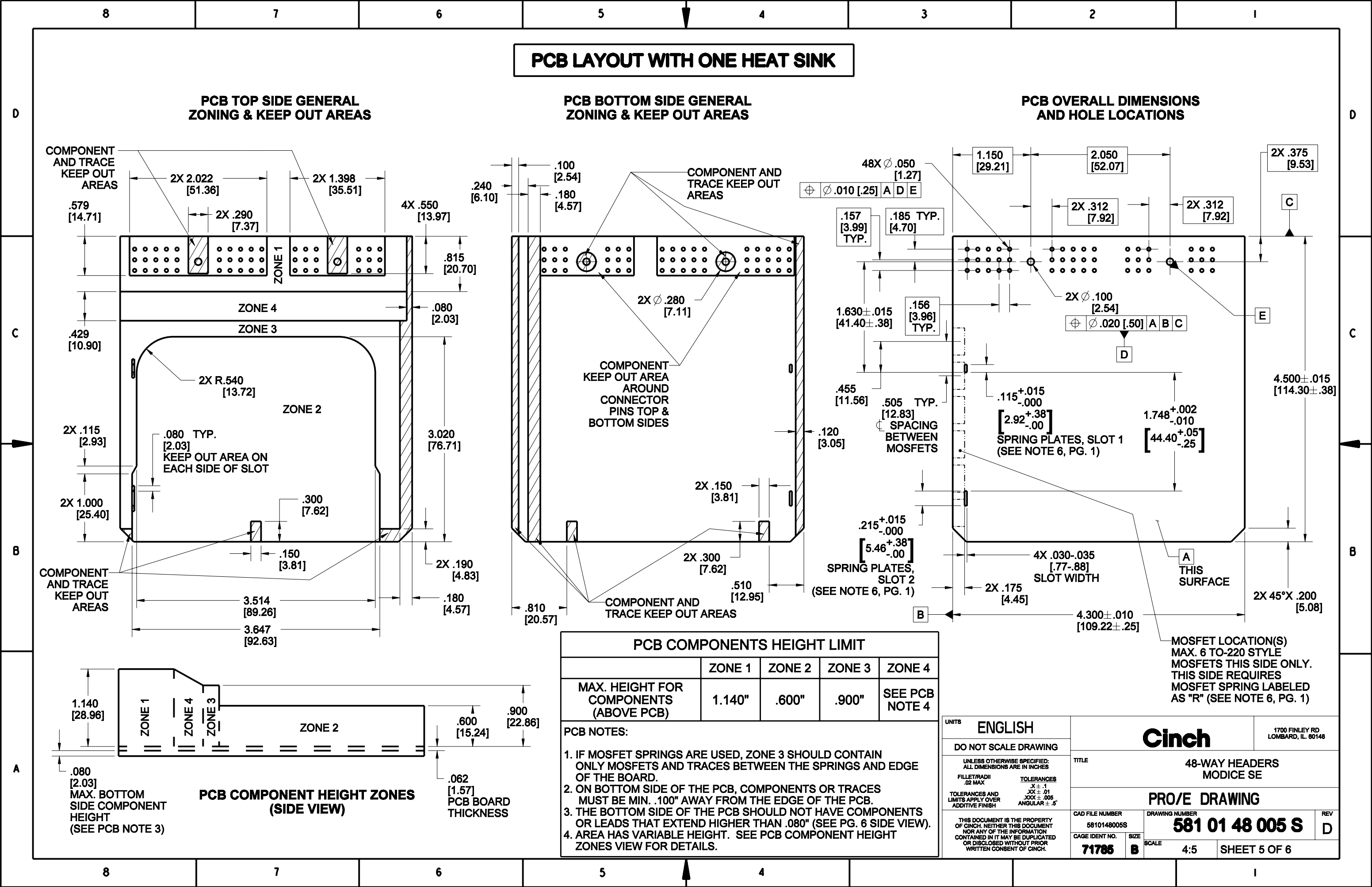
CAGE IDENT NO.
71785

SIZE
B

SCALE
4:5

SHEET 3 OF 6





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:

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

TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH

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TITLE

48-WAY HEADERS
MODICE SE

PRO/E DRAWING

CAD FILE NUMBER
5810148005S

DRAWING NUMBER
581 01 48 005 S

CAGE IDENT NO.
71785

SIZE
B

SCALE
4:5

REV
D

SHEET 5 OF 6

