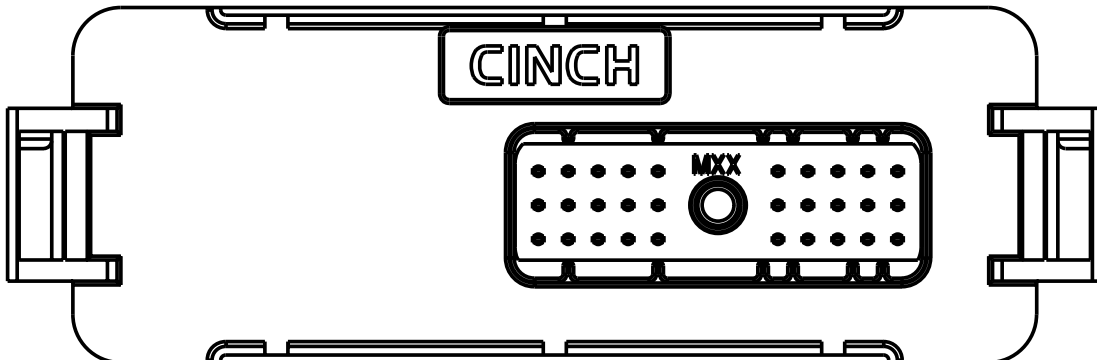
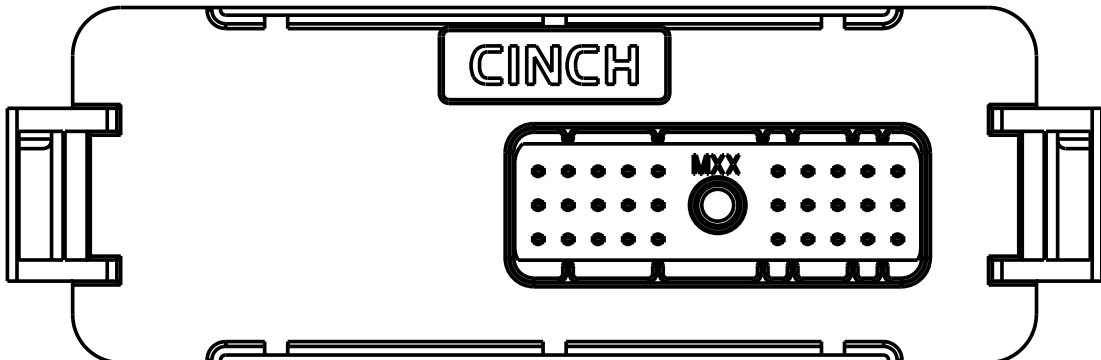
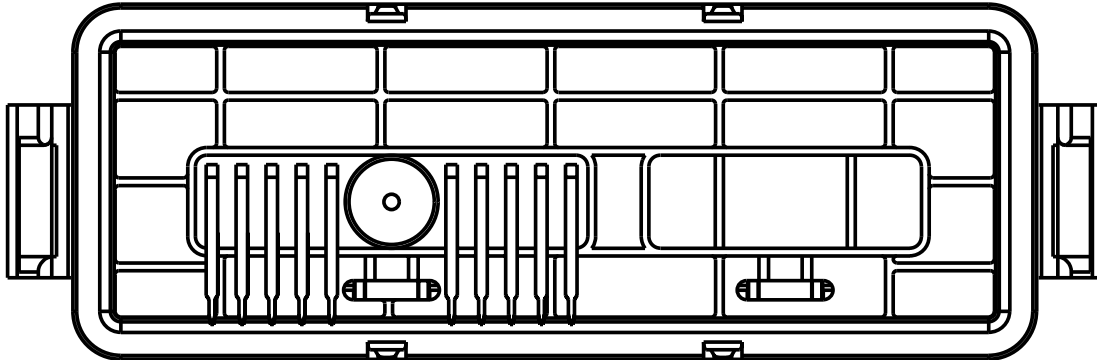
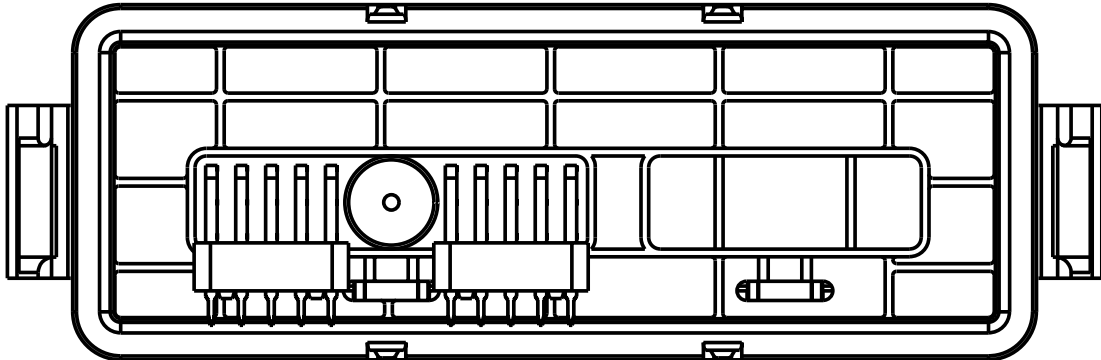
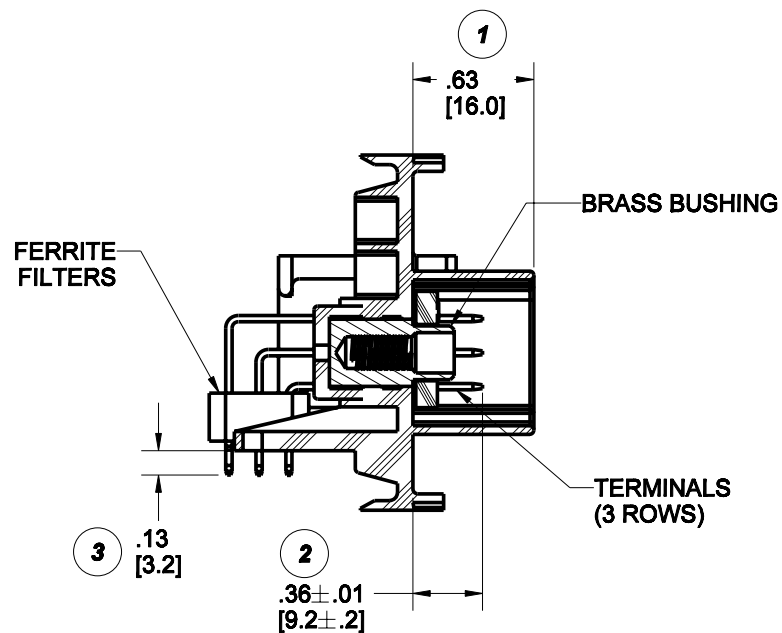
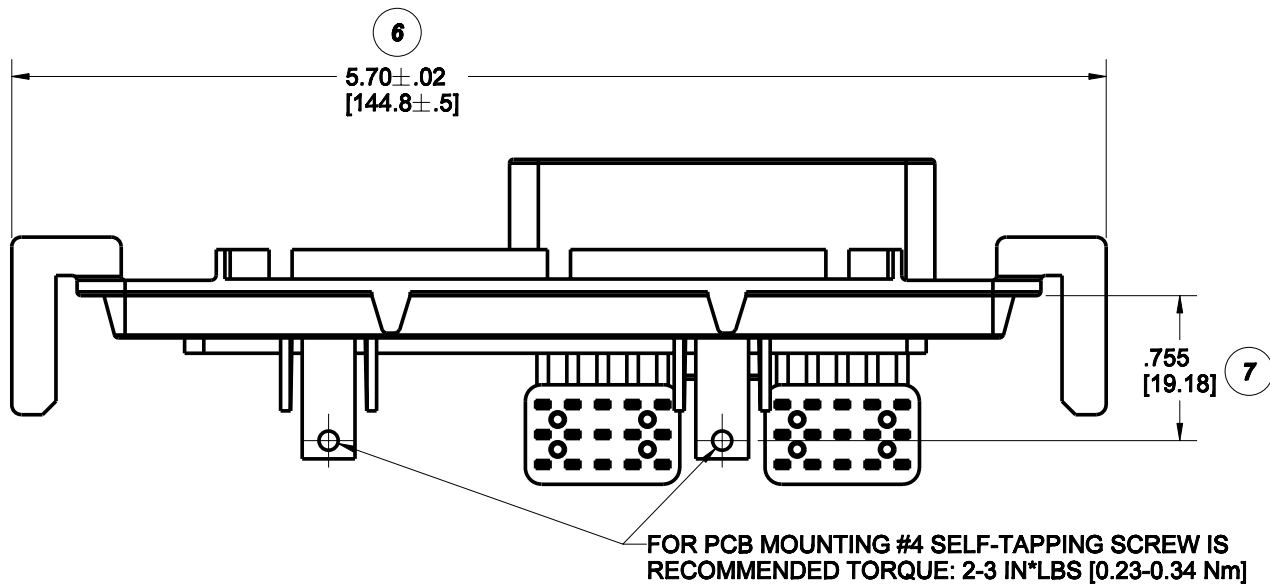
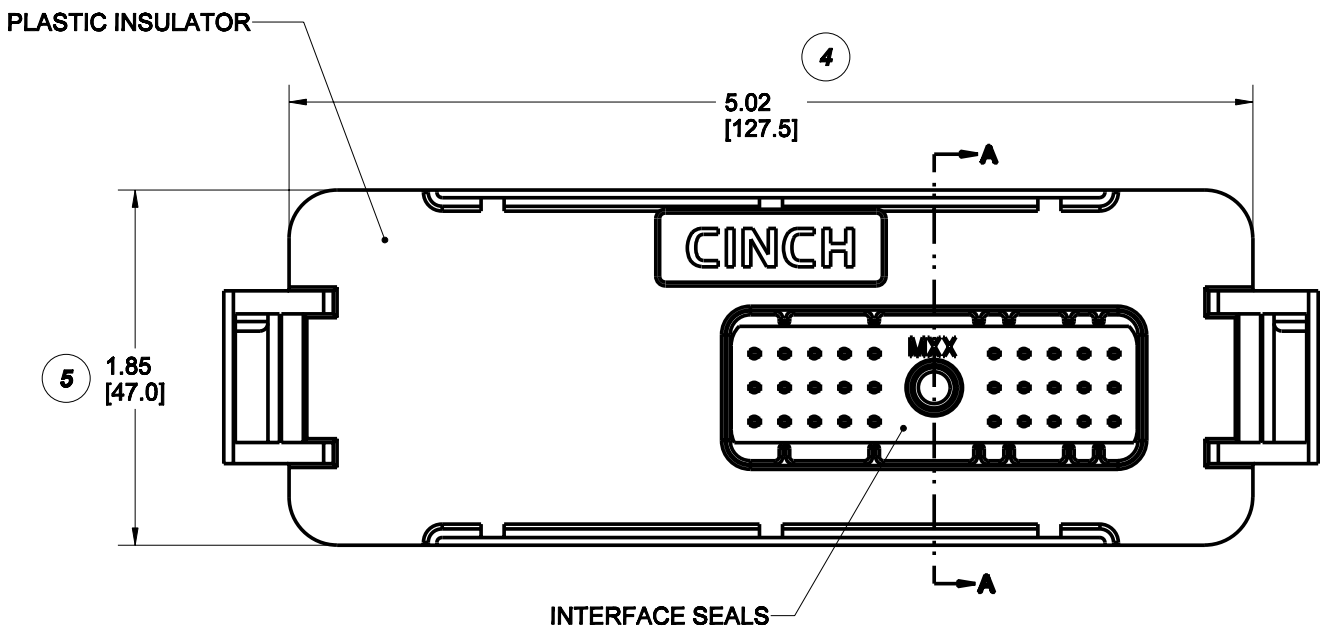
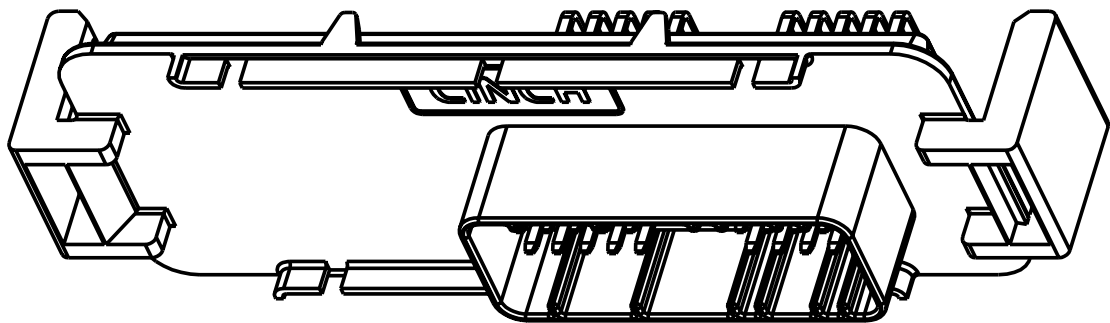


8		7		6		5		4		3		2		1			
CINCH PART NUMBER MATRIX														DRAWING REVISIONS			
P/N: 581 01 30 044							P/N: 581 01 30 046							REV	DOCUMENT	APP	DATE
30-WAY HEADER ASSEMBLY WITH OUT FERRITE FILTERS							30-WAY HEADER ASSEMBLY WITH FERRITE FILTERS							A	REL. FOR PRODUCTION D.O. 05-1157	A.C.	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
MATES WITH CINCH HARNESS CONNECTORS P/N: 581 01 30 029 (30-WAY)														D	ECN: 06A409 REFORMATTED DRAWING PCB LAYOUTS REDRAWN WITH ADDITIONAL KEEP OUT AREAS	A.C.	9/29/06
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				DESIGN ENGINEER B. KOSTIC		09/03/04		MATERIAL SEE NOTE 2.				CONTROL SPEC NUMBER					
FILLETS/RADII .02 MAX				DESIGN ENGINEERING MGR. A. CAINES		11/18/04		MATERIAL SPEC NUMBER				FINISH		PROJECT NUMBER A14562			
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH				MFG. ENGINEERING R. GARZA		11/18/04		CAD FILE NUMBER 58101300448_HEADERS				DRAWING NUMBER 581 01 30 044 S					
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SECTION A-A

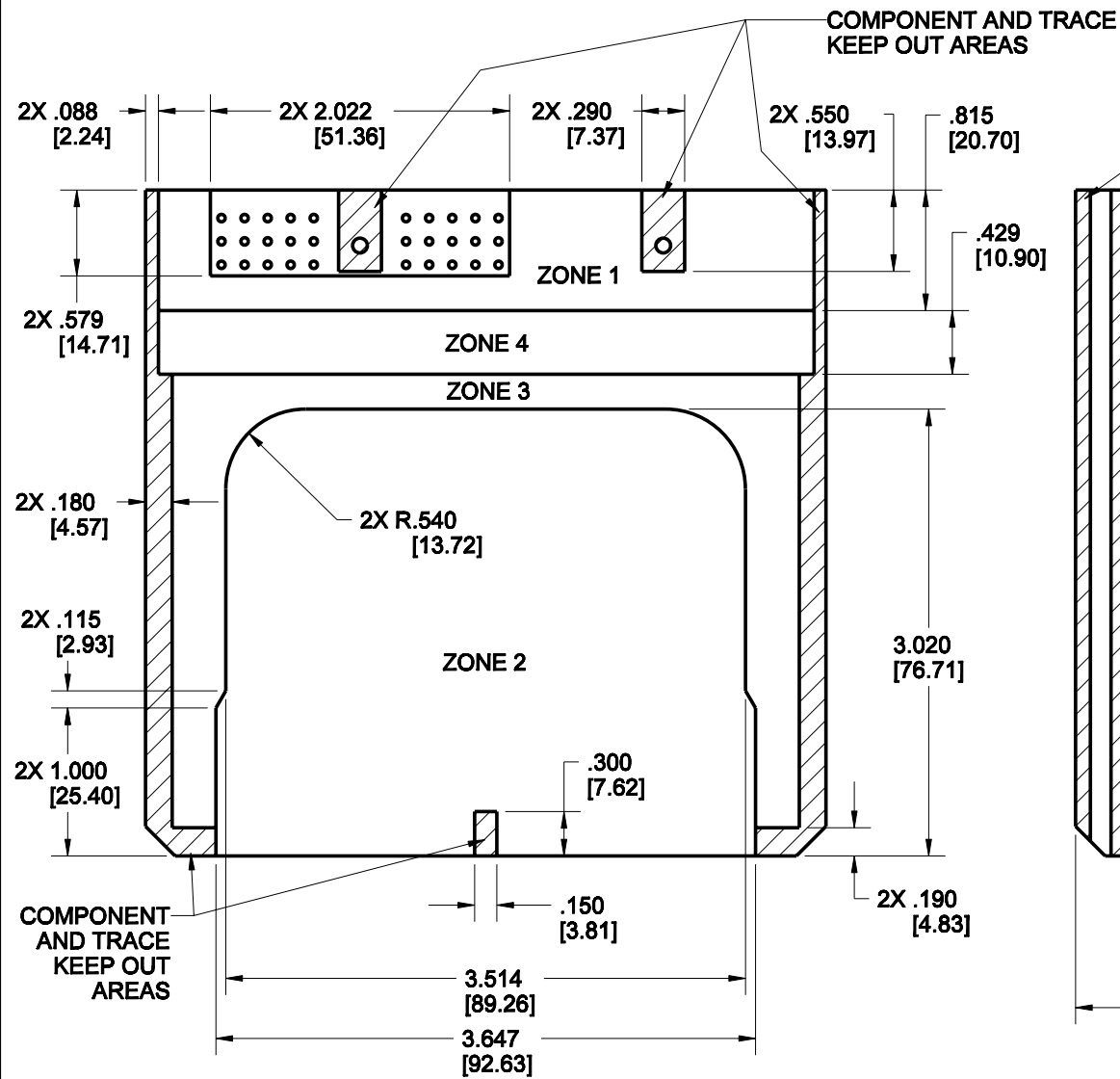


CINCH P/N: 581 01 30 046 SHOWN
(HEADER WITH FILTERS)

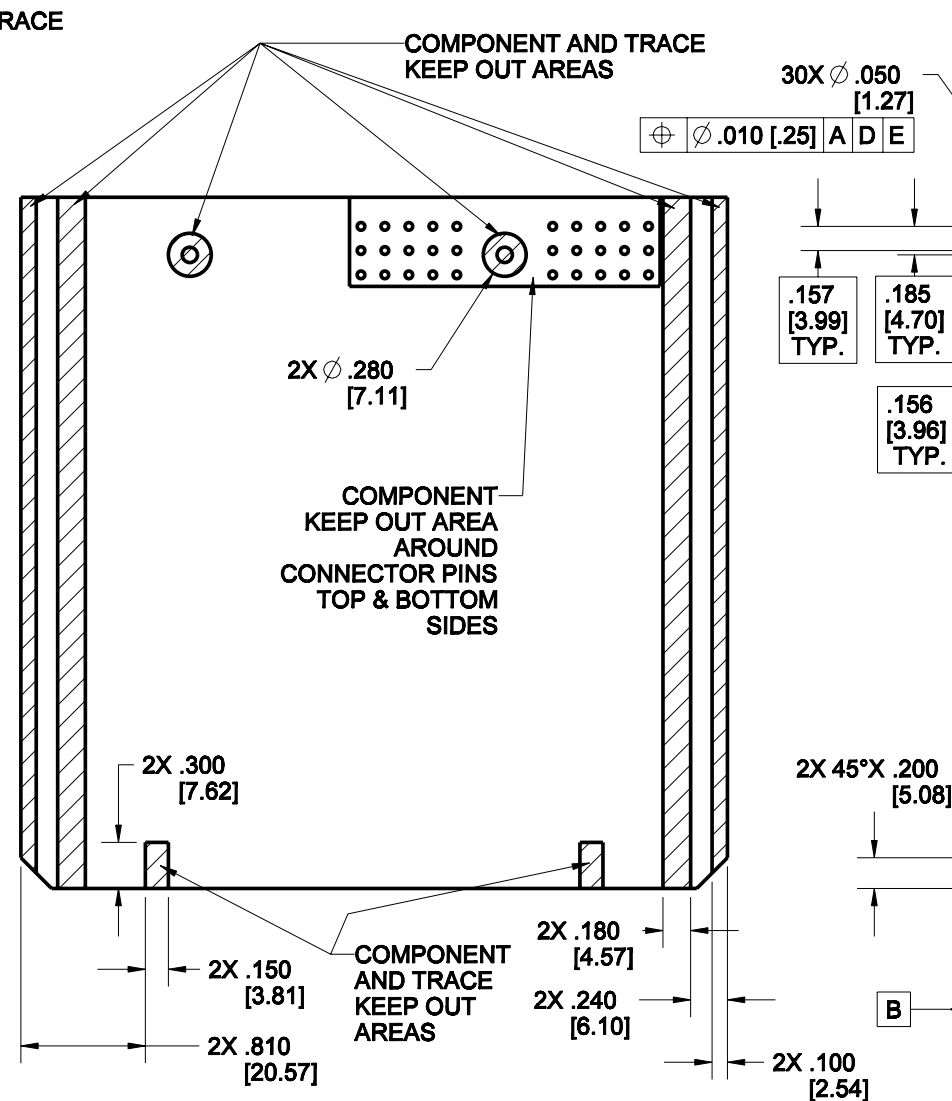
UNITS		ENGLISH		Cinch 1700 FINLEY RD LOMBARD, IL. 60148	
DO NOT SCALE DRAWING					
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES				TITLE	
FILLET/RADIUS .02 MAX		TOLERANCES X ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5°		30-WAY HEADERS MODICE SE	
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH				PRO/E DRAWING	
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				DRAWING NUMBER	
				REV	
				581 01 30 044 S	
CAGE IDENT NO.		SIZE		SCALE	
71785		B		1:1	
				SHEET 2 OF 6	

PCB LAYOUT WITHOUT HEAT SINKS

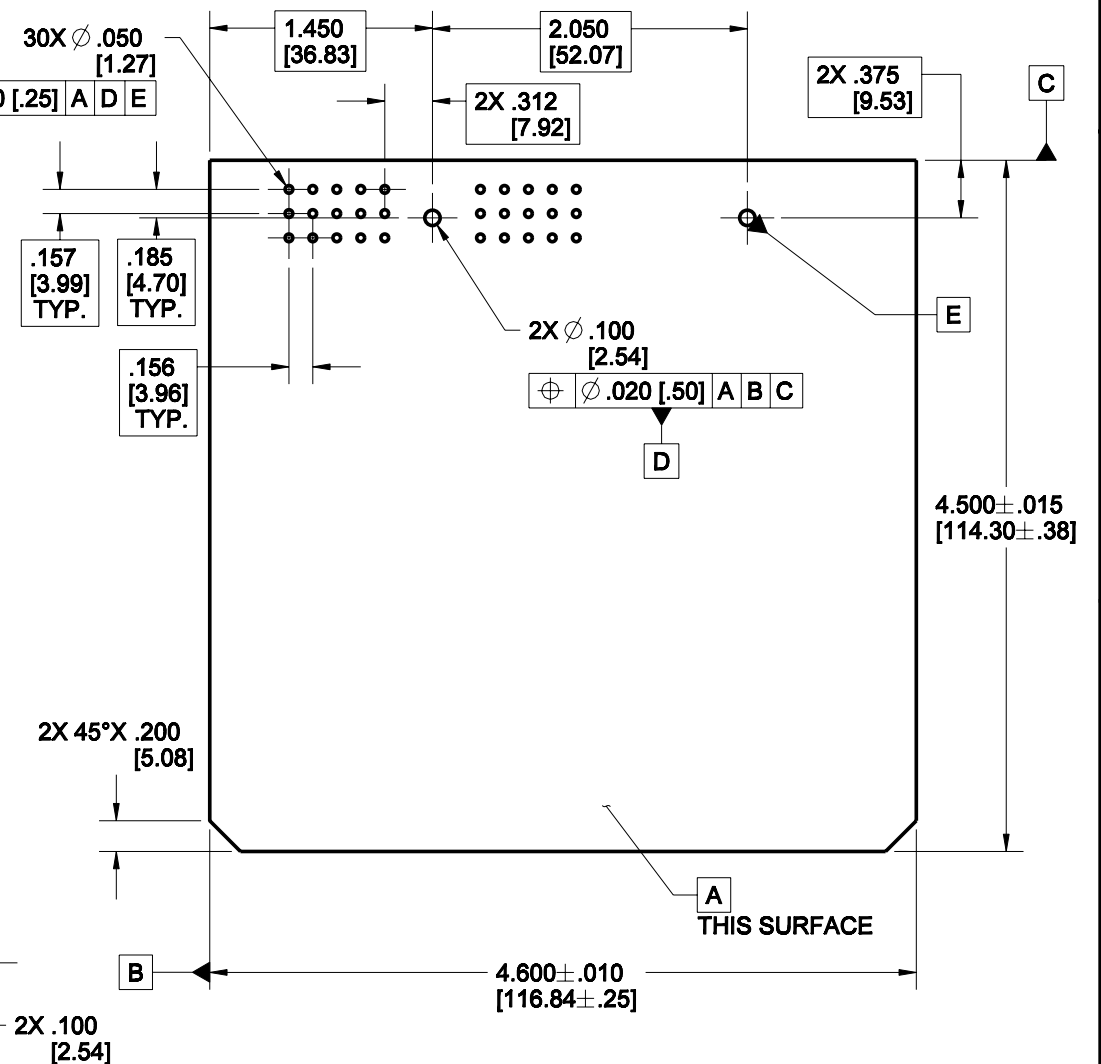
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS



PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS



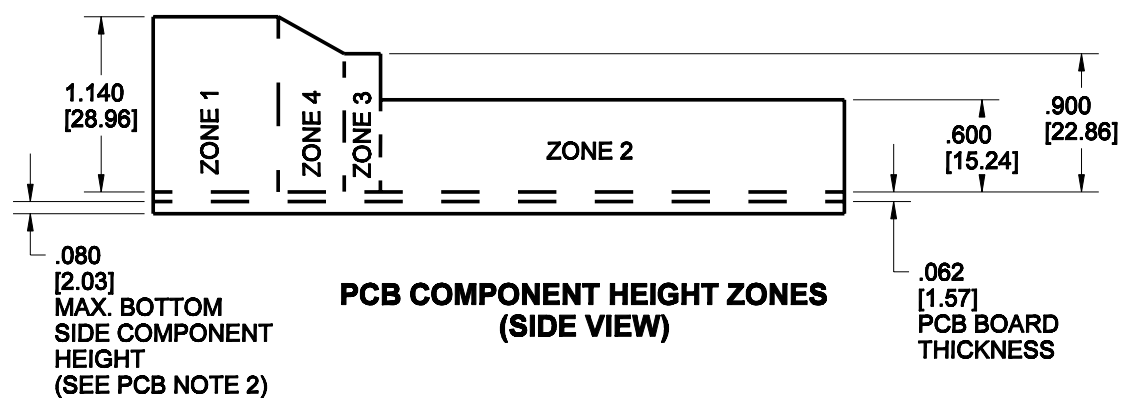
PCB COMPONENTS HEIGHT LIMIT

	ZONE 1	ZONE 2	ZONE 3	ZONE 4
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.

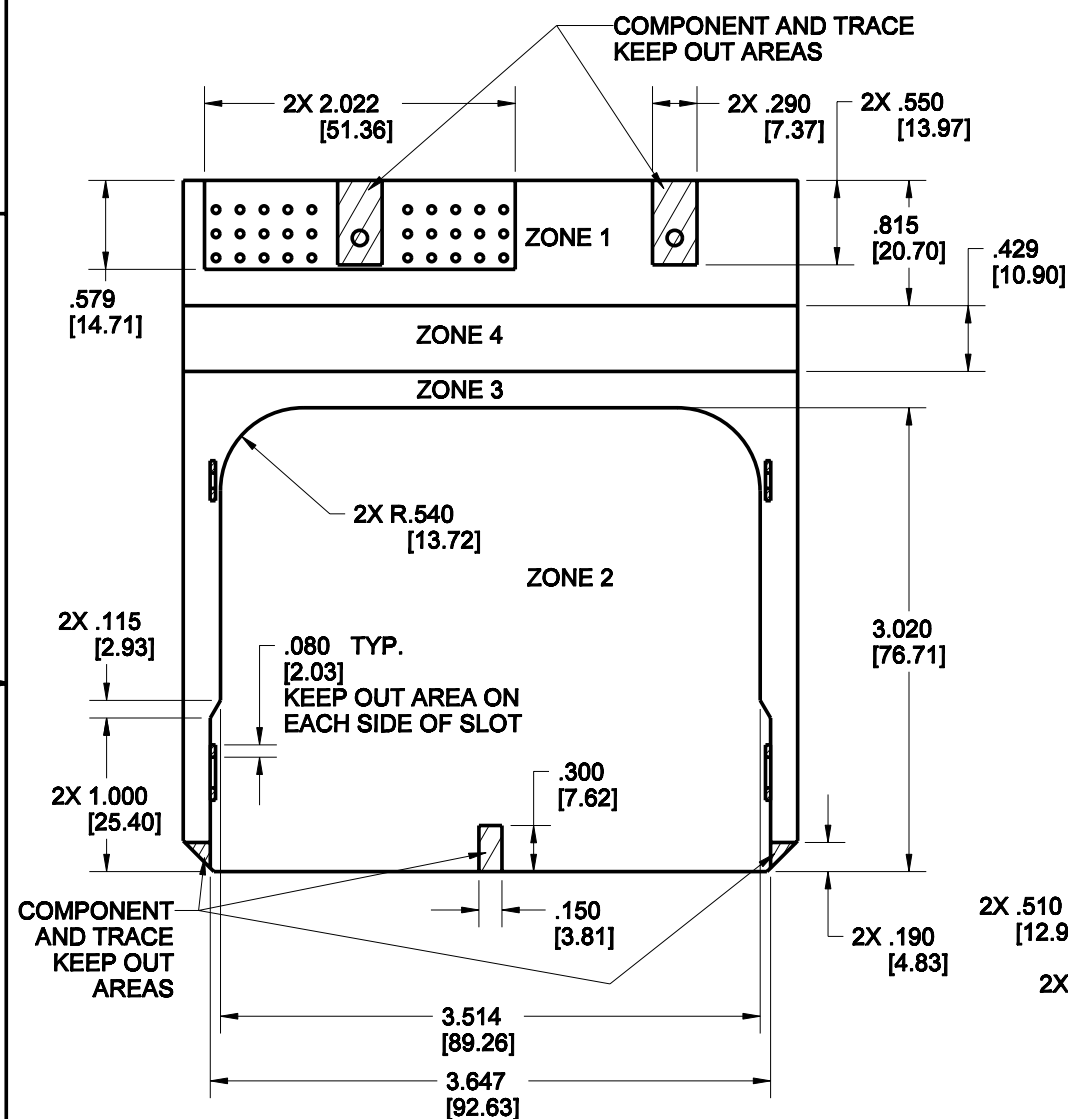
PCB COMPONENT HEIGHT ZONES (SIDE VIEW)



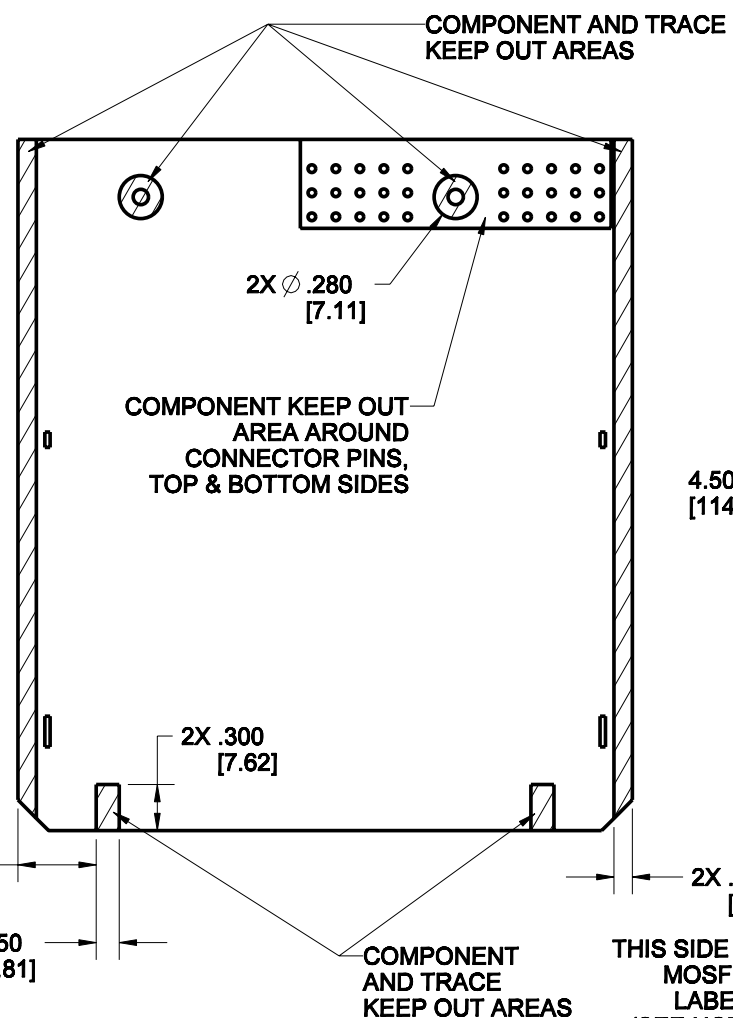
UNITS		ENGLISH		Cinch		1700 FINLEY RD LOMBARD, IL. 60148		
DO NOT SCALE DRAWING								
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES				TITLE				
FILLET/RADIUS .02 MAX				30-WAY HEADERS MODICE SE				
TOLERANCES				PRO/E DRAWING				
TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH								
.XX ± .1 XX ± .01 XXX ± .005 ANGULAR ± .5°				REV				
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				5810130044g_HEADERS		581 01 30 044 S		
				CAGE IDENT NO.		SIZE	SCALE	
71785		B	4:5		SHEET 3 OF 6			

PCB LAYOUT WITH TWO HEAT SINKS

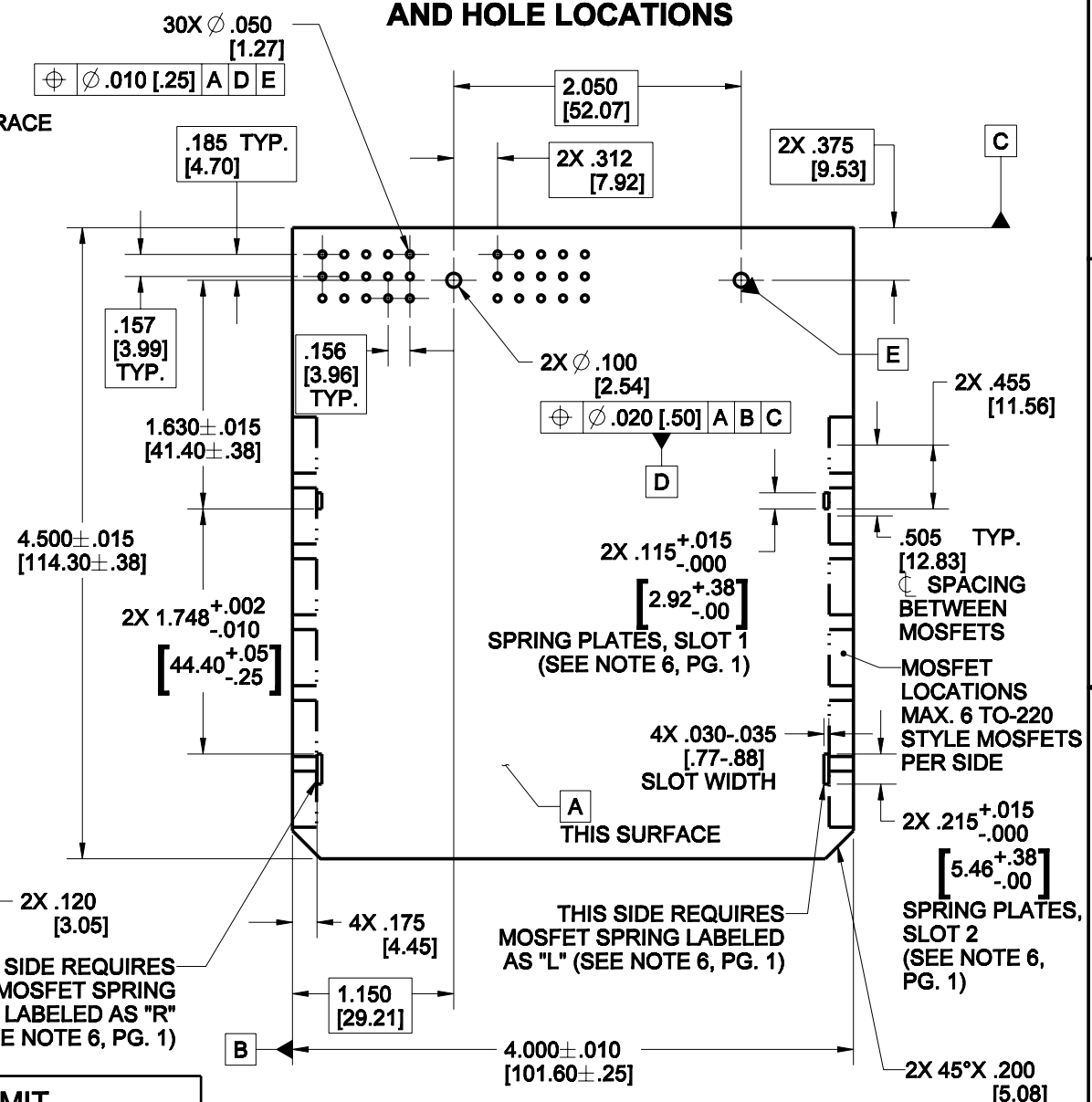
PCB TOP SIDE GENERAL ZONING & KEEP OUT AREAS



PCB BOTTOM SIDE GENERAL ZONING & KEEP OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS



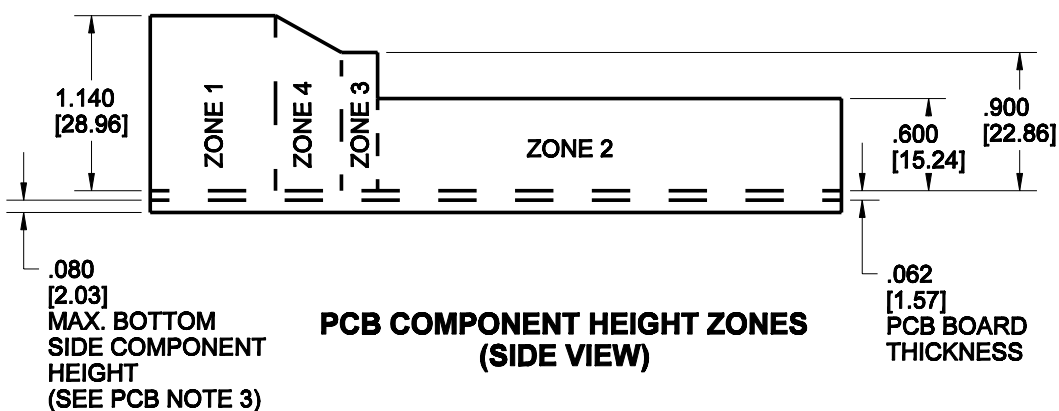
PCB COMPONENTS HEIGHT LIMIT

	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.

PCB COMPONENT HEIGHT ZONES (SIDE VIEW)

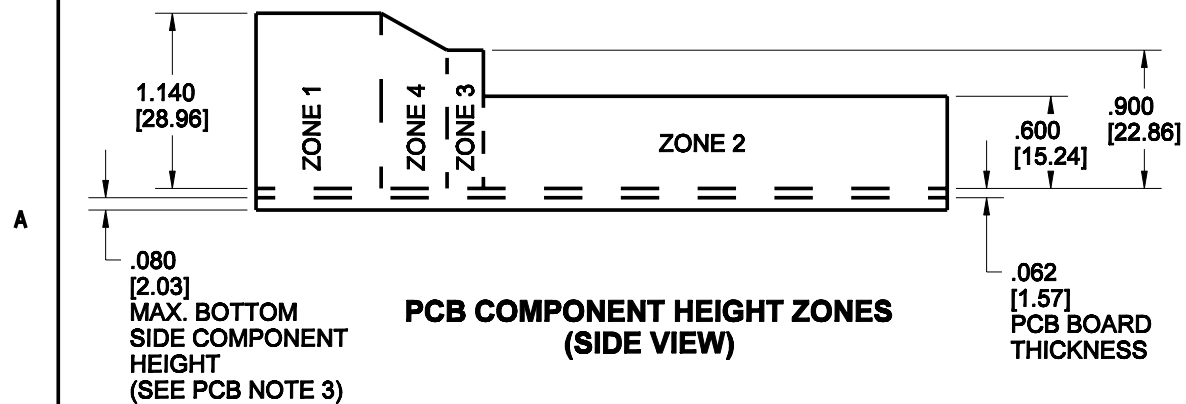
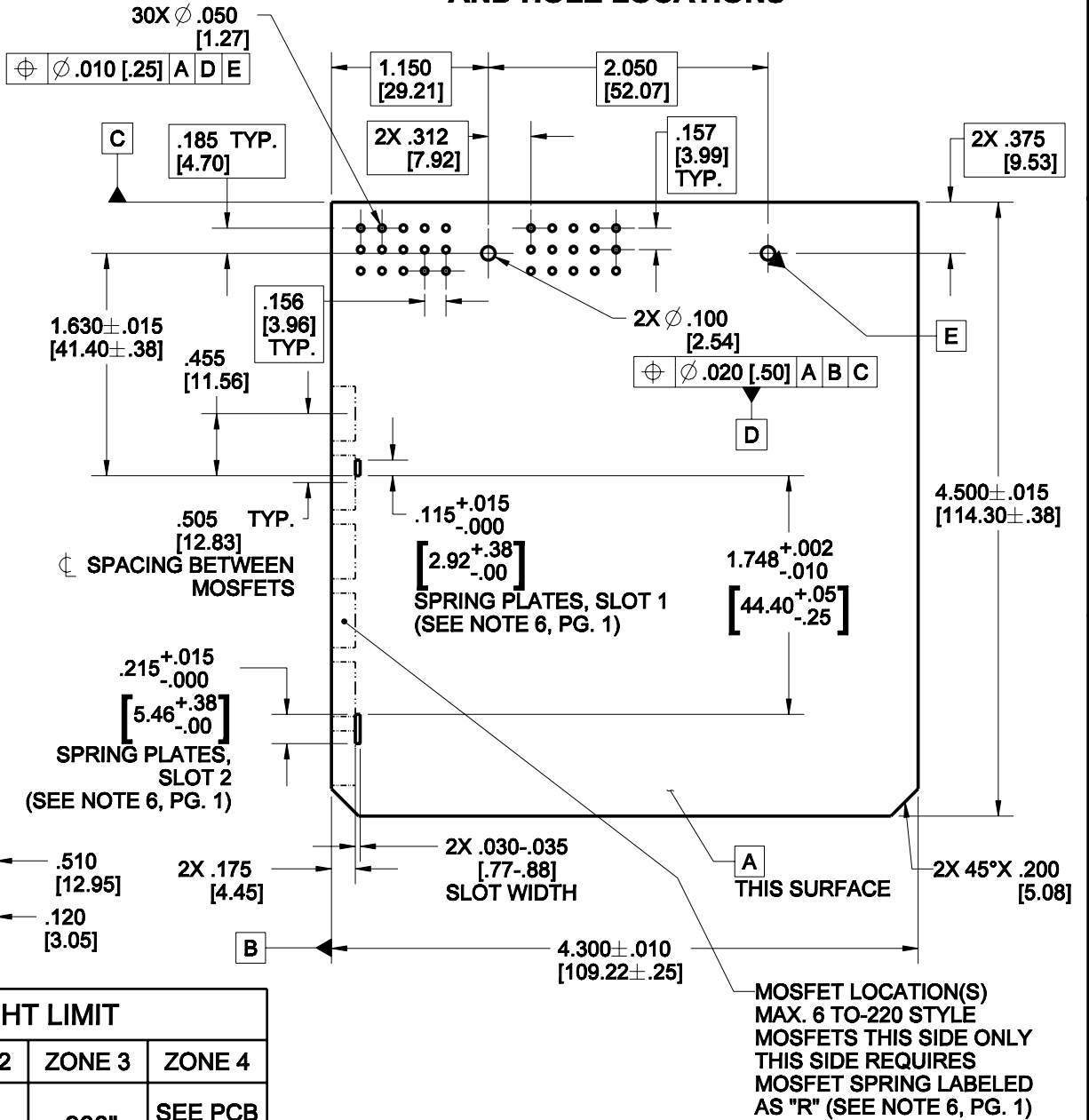
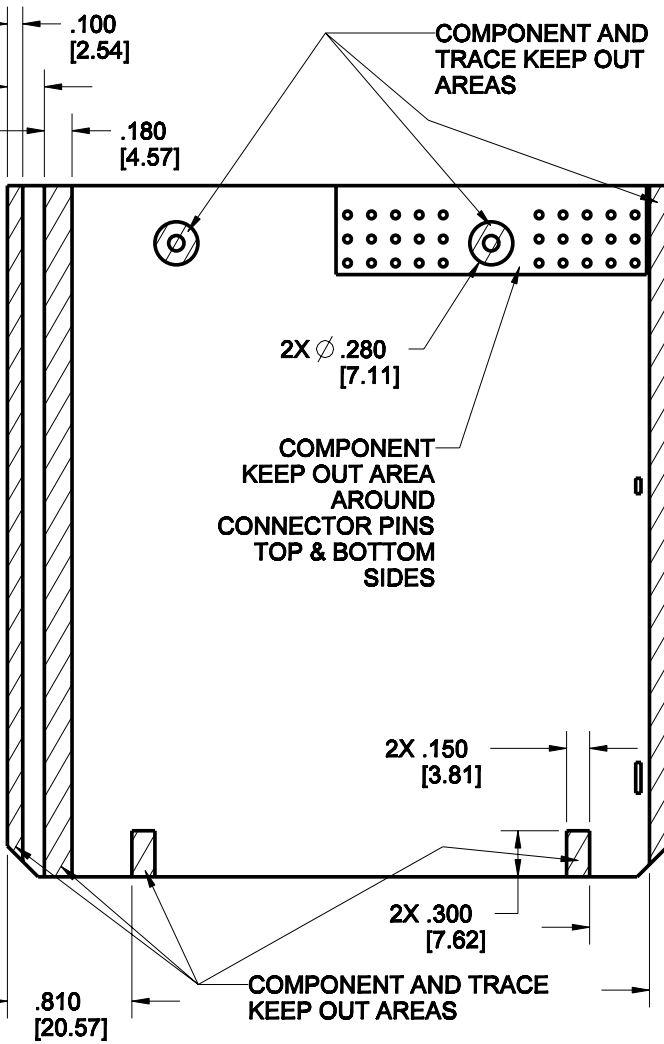
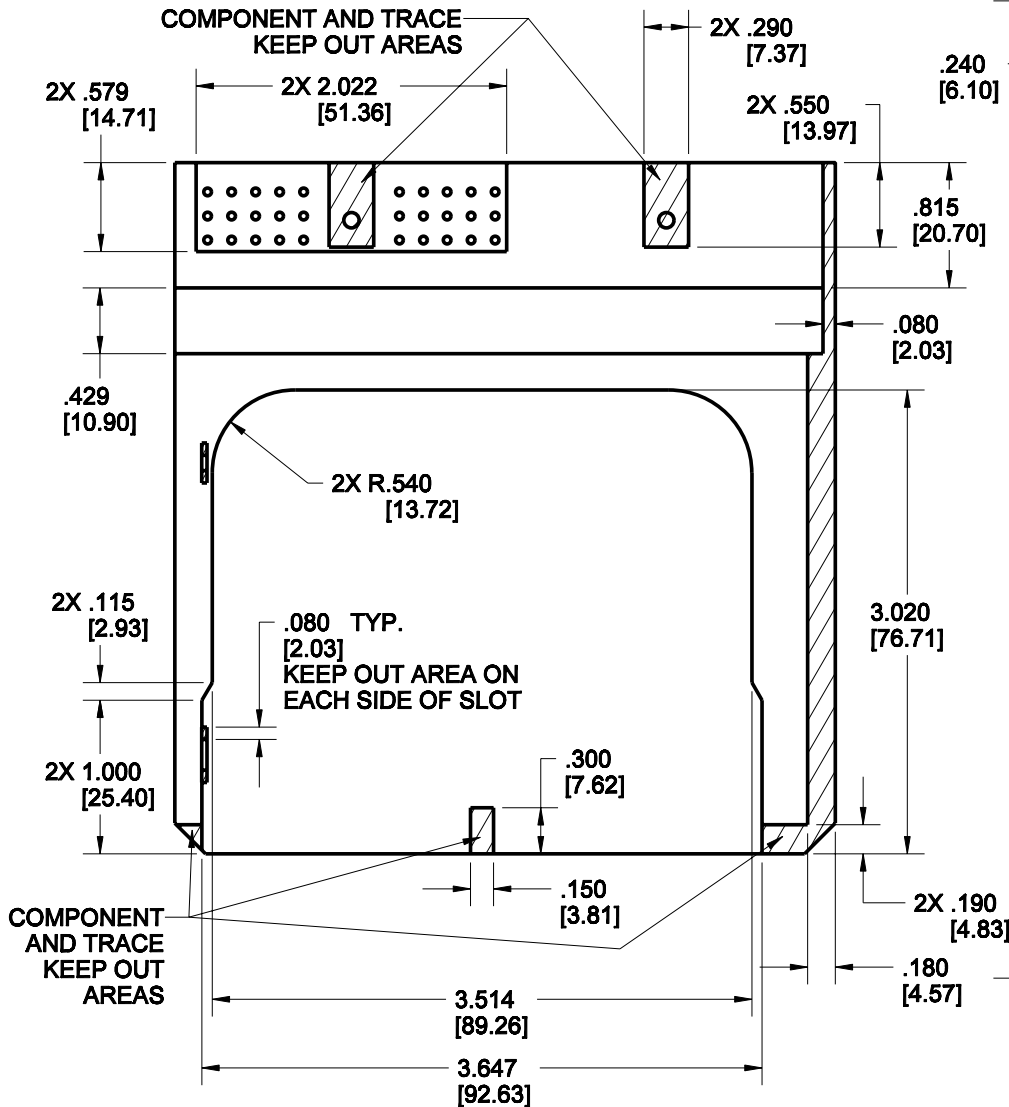


UNITS	ENGLISH		Cinch		1700 FINLEY RD LOMBARD, IL. 60148
DO NOT SCALE DRAWING			TITLE		
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES FILLET/RADIUS .02 MAX TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH			30-WAY HEADERS MODICE SE		
TOLERANCES .XX ± .1 .XX ± .01 .XXX ± .005 ANGULAR ± .5°			PRO/E DRAWING		
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CAGE IDENT NO. 71785			SIZE B	SCALE 4:5	SHEET 4 OF 6

PCB LAY-OUT WITH ONE HEAT SINK



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 FILLET/RADIUS .02 MAX TOLERANCES AND LIMITS APPLY OVER ADDITIVE FINISH			TITLE 30-WAY HEADERS MODICE SE			
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			CAD FILE NUMBER 6810130044g_HEADERS		DRAWING NUMBER 581 01 30 044 S	
CAGE IDENT NO. 71785		SIZE B	SCALE 4:5		SHEET 5 OF 6	

