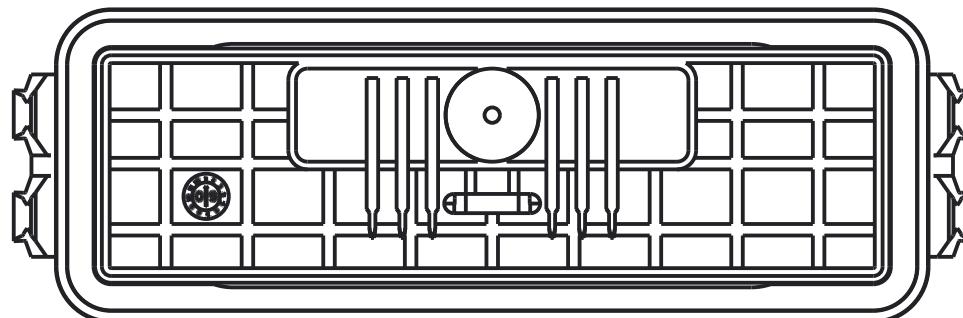
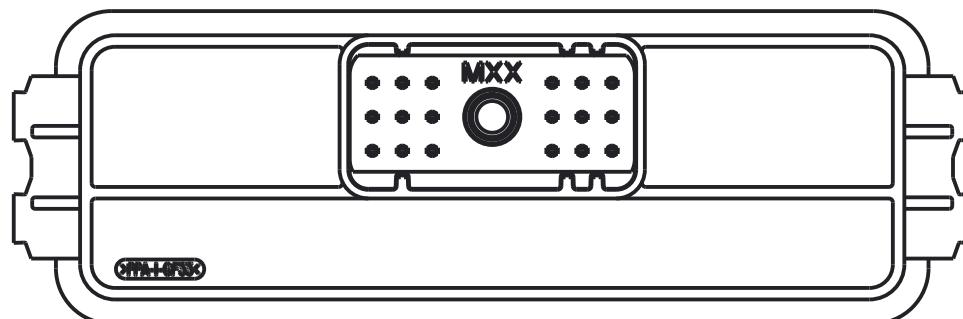


CINCH PART NUMBER MATRIX

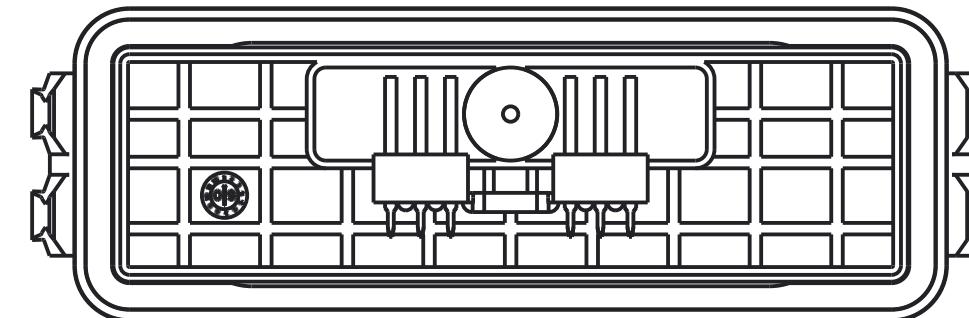
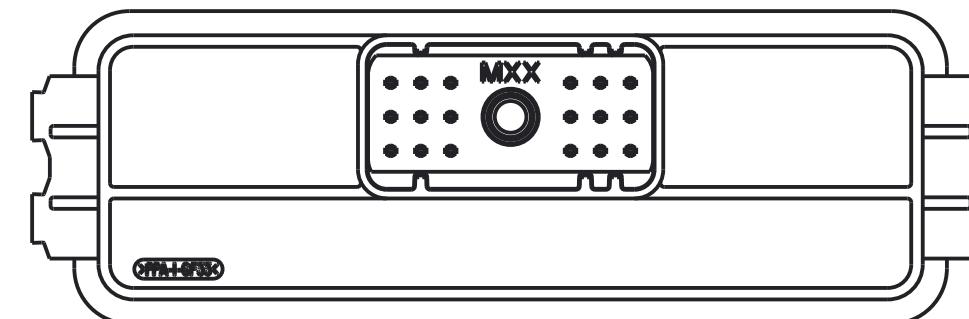
P/N: 5810118038

18-WAY HEADER ASSEMBLY WITHOUT FERRITE FILTERS



P/N: 5810118039

18-WAY HEADER ASSEMBLY WITH FERRITE FILTERS



MATES WITH CINCH HARNESS CONNECTOR
P/N: 5810118023

NOTES:

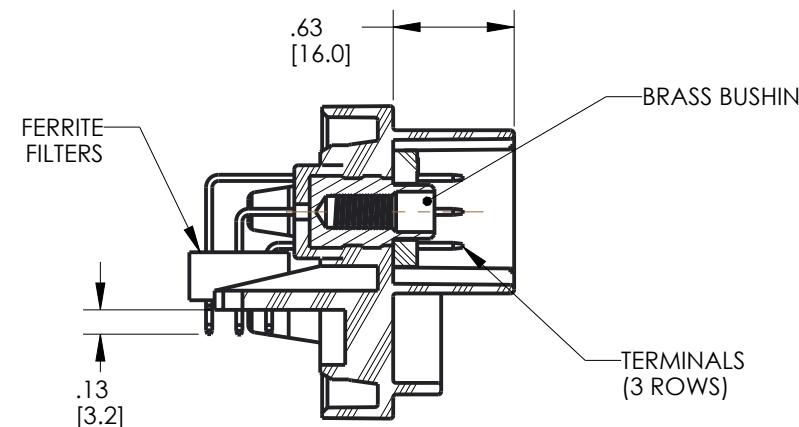
1. ALL DIMENSIONS ARE IN INCHES; DIMENSIONS INSIDE [.XX] ARE IN mm, AS REFERENCE ONLY
2. MATERIALS:
 - INTERFACE SEAL: SILICONE RUBBER, COLOR BLUE
 - INSULATOR: 30% GLASS FILLED POLYMER, COLOR BLACK
 - BUSHING: BRASS ALLOY, UNPLATED 10-24 UNC THREAD
 - TERMINAL BLADES: 1.5 mm BRASS WITH TIN OVER NICKEL PLATING
 - FILTERS: FERRITE BLOCKS
3. ALL HEADERS ARE REFLOW OR WAVE SOLDERING PROCESS, ROHS COMPLIANT
4. SUGGESTED PCB THICKNESS: .062 [1.57]
5. IF USING FERRITE FILTER VERSION, TRACES SHOULD BE AVOIDED UNDER THE FERRITE SPACER FEET. SEE "PCB TOP SIDE PIN AREA WITH FERRITES DETAIL" - PAGE 3.
6. MATES WITH CINCH SHS PUSH-TO-SEAT HARNESS CONNECTORS (SEE TABLE ABOVE)
7. TORQUE MATING CONNECTOR SCREW TO 15 - 20 IN*LBS [1.70 - 2.26 N*m]

| | | | | |
|---|---|-------------------------------|--------------------------------|--------------------------------------|
| UNITS ENGLISH INCHES |  | PRO/E | CINCH | A. ECKHART |
| DO NOT SCALE DRAWING | | DESIGN ENGINEER A. ECKHART | DATE 4/1/09 | TITLE 18-WAY HEADERS MODICE ME |
| | | | MATERIAL SEE NOTES | CONTROL SPEC NUMBER |
| | | | MATERIAL SPEC NUMBER | FINISH |
| | | | | PROJECT NUMBER A14926 |
| | | | CAD FILE NUMBER 5810118038S | DRAWING NUMBER 5810118038S |
| | | | CAGE IDENT NO. 71785 | SIZE B |
| | | | SCALE 1:1 | SHEET 1 OF 3 |
| APPROVALS ON FILE | | | | |
| CONFIDENTIAL 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. ©COPYRIGHT 2009 CINCH | | | | |

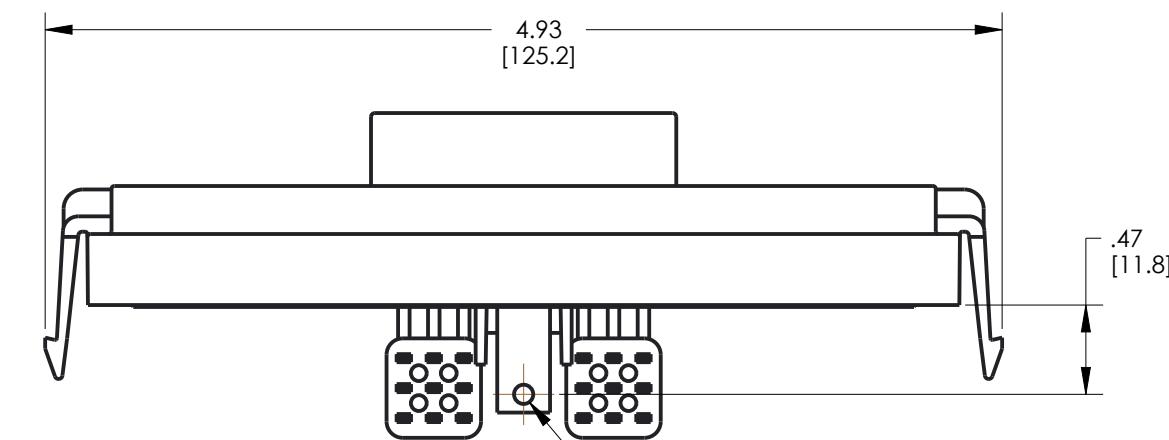
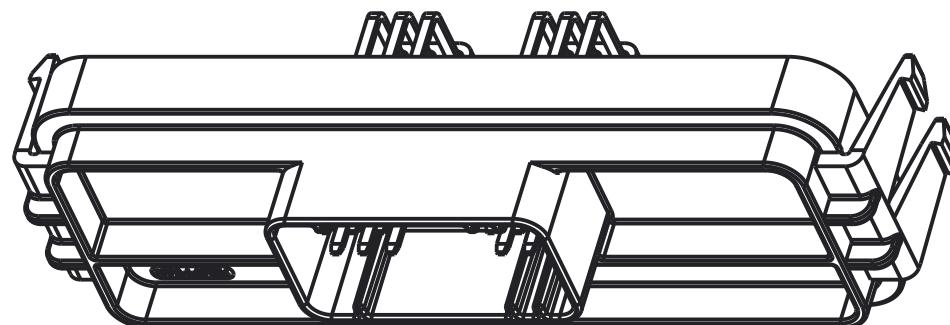
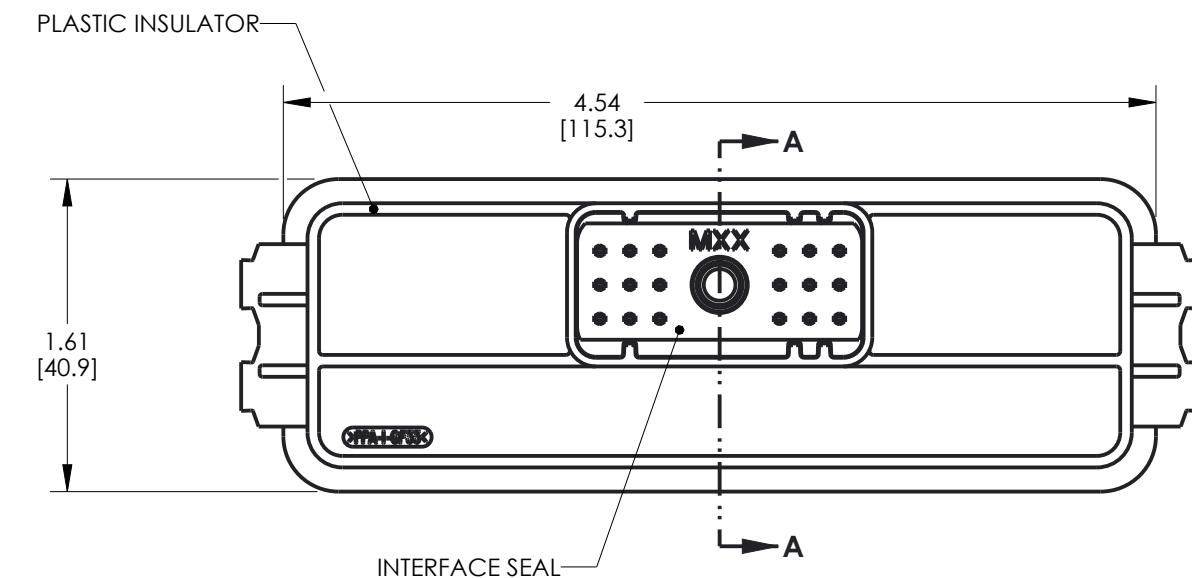
8 7 6 5 4 3 2 1

D

D



SECTION A-A

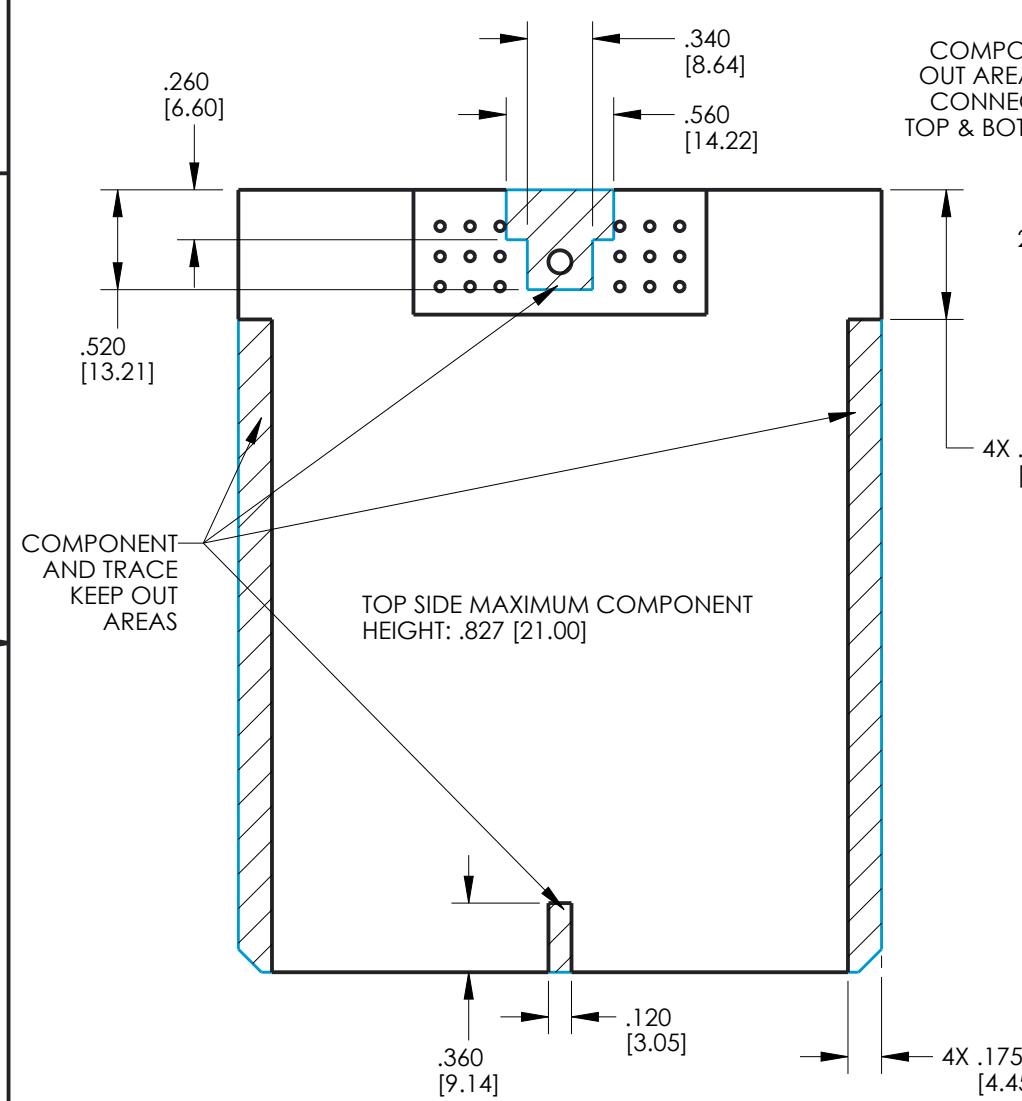


CINCH P/N: 5810118039 SHOWN
(HEADER WITH FILTERS)

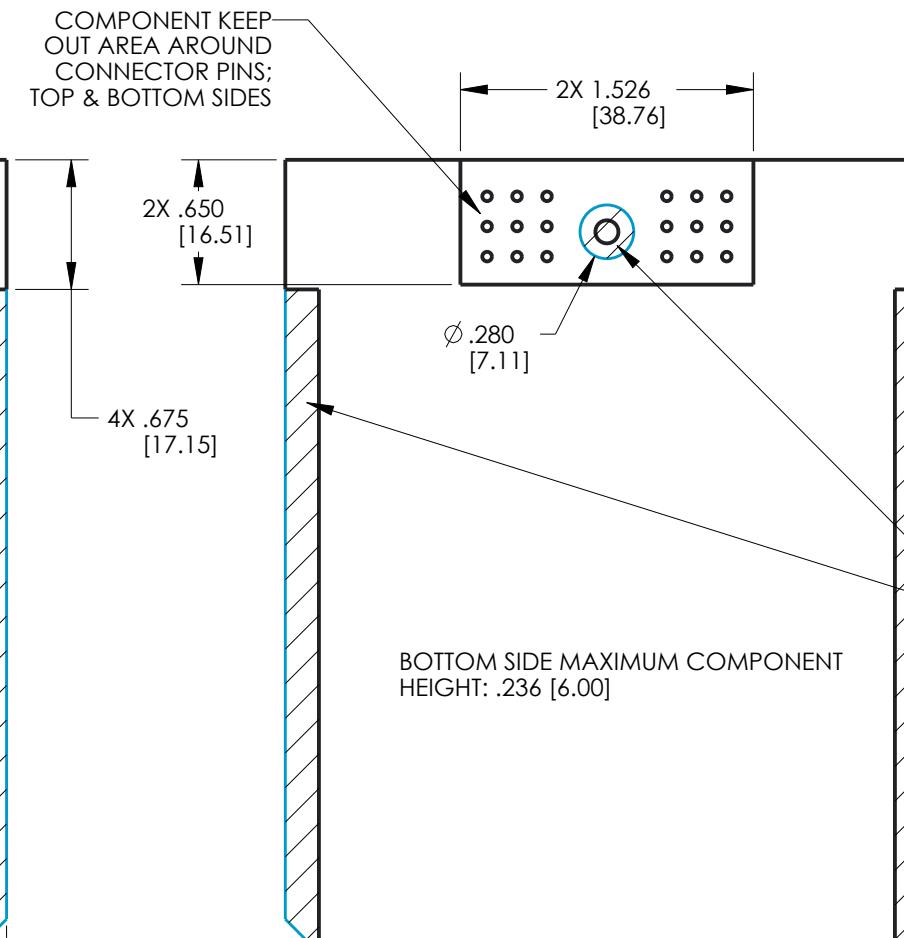
| | | | |
|--|----------------|-------------------------------------|----------------|
| UNITS | ENGLISH INCHES | CINCH | |
| DO NOT SCALE DRAWING | | 1700 FINLEY RD LOMBARD, IL 60148 | |
| TITLE | | 18-WAY HEADERS MODICE ME | |
| PRO/E DRAWING | | CAD FILE NUMBER | DRAWING NUMBER |
| | | 5810118038S | 5810118038S |
| CONFIDENTIAL | | CAGE IDENT NO. | REV |
| 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. ©COPYRIGHT 2009 CINCH | | 71785 | C |
| SCALE | | 1:1 | SHEET 2 OF 3 |

8 7 6 5 4 3 2 1

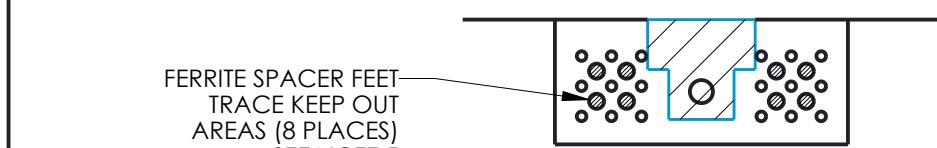
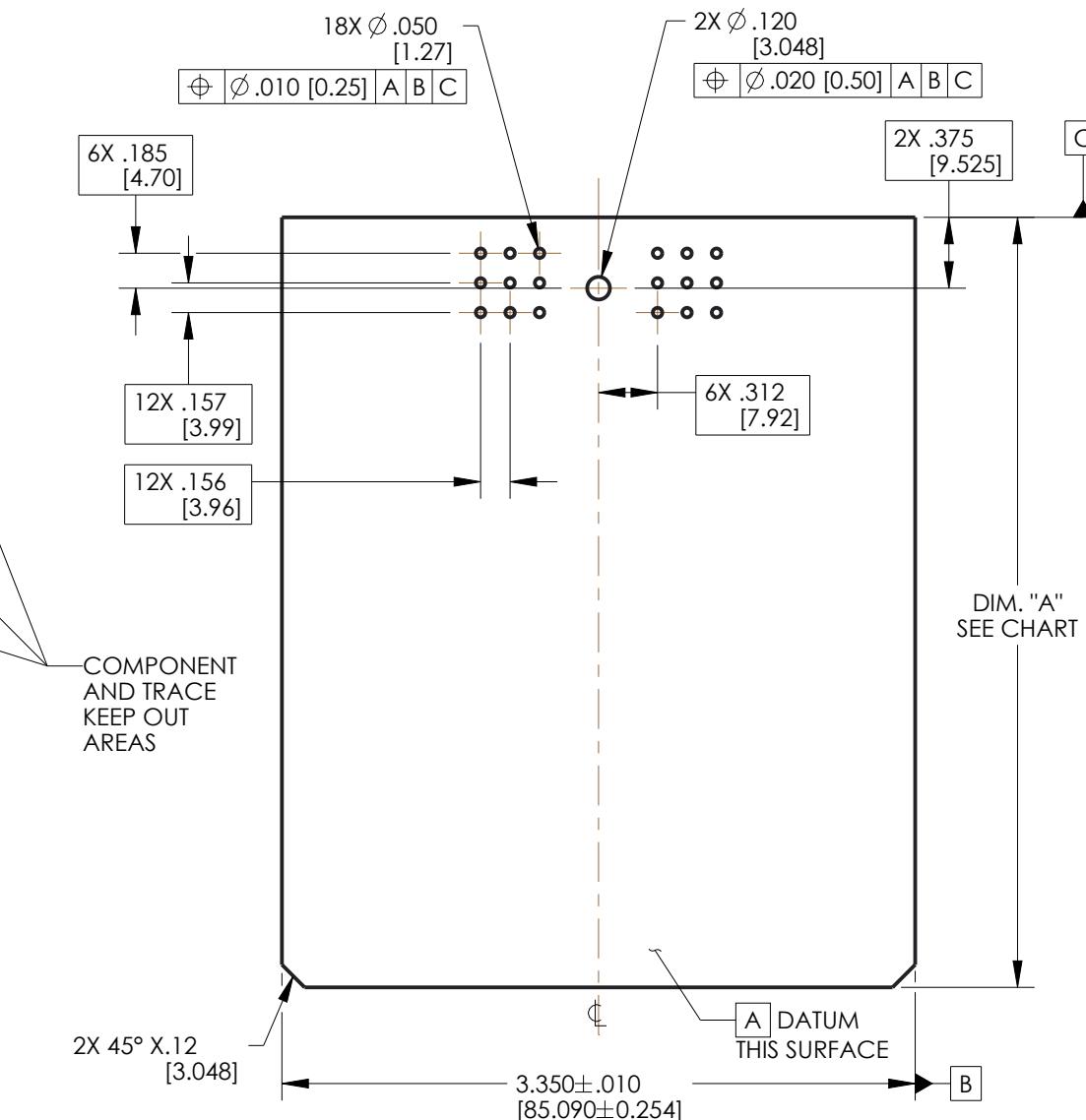
PCB TOP SIDE GENERAL ZONING AND KEEP-OUT AREAS



PCB BOTTOM SIDE GENERAL ZONING AND KEEP-OUT AREAS



PCB OVERALL DIMENSIONS AND HOLE LOCATIONS



PCB TOP SIDE PIN AREA WITH FERRITES DETAIL

RECOMMENDED PCB LENGTH

| DIM. "A" (SEE DRAWING) | USE WITH ENCLOSURE | |
|------------------------------|--------------------|-----------------------|
| | PART NUMBER | DESCRIPTION |
| 4.075±0.015 [103.53±0.38] | 581 01 30 065 | ME |
| | 581 01 30 075 | ME WITH BREather |
| 2.375±0.015 [60.33±0.38] | 581 01 30 090 | MINI ME |
| | 581 01 30 095 | MINI ME WITH BREather |

| | | |
|--|---|--|
| UNITS ENGLISH INCHES DO NOT SCALE DRAWING | CINCH | |
| | 1700 FINLEY RD LOMBARD, IL 60148 | |
| TITLE 18-WAY HEADERS MODICE ME | PRO/E DRAWING | |
| | 5810118038S | |
| CONFIDENTIAL 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. ©COPYRIGHT 2009 CINCH | CAD FILE NUMBER 5810118038S CAGE IDENT NO. 71785 | DRAWING NUMBER 5810118038S SIZE B |
| REV C | SCALE 1:1 | SHEET 3 OF 3 |