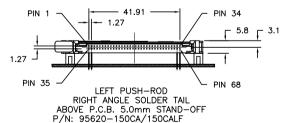
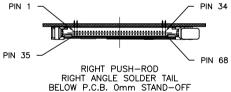


SURFACE MOUNT STAGGERED SEE SHEET 5 FOR P.C.B. LAYOUT





P/N: 95620-500CA/500CALF

↓↓ SURFACE MOUNT IN-LINE SEE SHEET 6

FOR P.C.B. LAYOUT

NOTES:

В

 REFER TO HEADER DRAWING 92140 AND EJECT MECHANISM 95079 FOR ADDITIONAL DIMENSIONS, MATERIAL, AND PLATING INFORMATION.

surface /tolerance projectionproduct family mat'l. code IS□1302 V ISD1101 ISD406 MCS ltrecn nødr date specifie atitle tolerances unless other V20418 LP 3/1/02 0.X±0.3 5V EJECT HEADER ASSY M N05-0054 WB 03/01/05 0.XX±0.13 N ELX-N-011441 ZK 04/02/12 0°±2° 0.XXX±0.051 scale 1:1 shee.t1of9 size D.SHEAFFER 11/17/94 dwg no D.BRANN 12/7/94 95620 D.BRANN 12/7/94 appd D.BRANN 12/7/94 type Product Customer Drawing sheet | revisidn N | N | N N N N N N index sheet 1 2 5 7

form: A4mmXLc 1

PDS: Rev :N3

STATUS:Released

Printed: Apr 28,42012

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FCIconnect.co

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DESCRIPTION: ABOVE P.C.B., DECK AND PUSH-ROD LOCATION ARE AS VIEWED BY USER.

DESCRIPTION. AL	50VE F.C.B.,	DECK AND	FUSH-RUD L	JUATION AND A	43 VIEWED BI USE			
PRODUCT NO. 95620-XXXXX	PUSH ROD LOCATION	SOLDER TAIL ⑤	STAND-OFF HEIGHT DIM "L"	EJ. HEADER ASSY 92140-XXX (A)	EJ. MECHANISM ASSY 95079-XXXX B	SOLDERABLE HOLD DOWN (4)	MOUNTING STYLE TO PCB AND PUSH-ROD LOCATION	USED WITH/COMMENTS
000CA	RIGHT	R/A	0.0	000	00CA			
000CAH ⑦	RIGHT	R/A	0.0	000	00CA	93925-001		
001CA	RIGHT	SMT-STG	0.0	001	00CA			
002CA	RIGHT	SMT-IL	0.0	002	00CA			
020CA	RIGHT	R/A	2.0	040	02CA			
040CA	RIGHT	R/A	4.0	010	04CA			
050CA	RIGHT	R/A	5.0	020	05CA			
050CAH ⑦	RIGHT	R/A	5.0	020	05CA	93925-004		
100CA	LEFT	R/A	0.0	000	10CA			
100CAH ⑦	LEFT	R/A	0.0	000	10CA	93925-001		
101CA	LEFT	SMT-STG	0.0	001	10CA			
102CA	LEFT	SMT-IL	0.0	002	10CA			
120CA	LEFT	R/A	2.0	040	12CA			
140CA	LEFT	R/A	4.0	010	14CA			
150CA	LEFT	R/A	5.0	020	15CA			
005CA	RIGHT	R/A	0.0	005	00CA			95620-000CA or -100CA
025CA	RIGHT	R/A	0.0	045	00CA			95620-020CA or -120CA
105CA	LEFT	R/A	0.0	005	10CA			95620-000CA or -100CA
125CA	LEFT	R/A	0.0	045	10CA			95620-020CA or -120CA

NOTES:

- MATERIAL:
 - 1.1 HEADER ASSY:
 PLASTIC HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK ABOVE PCB
 HIGH TEMPERATURE THERMOPLASTIC UL94V-0 (WHITE) BELOW PCB PIN: PHOSPHOR BRONZE
 - 1.2 EJECT MECHANISM ASSY:
 PLASTIC GUIDE: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
 PLASTIC PUSH-ROD BUTTON: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
 COVER PLATE, EJECT PLATE, LINK ARM,
 PUSH ROD: STAINLESS STEEL
 EMI CONTACT: PHOSPHOR BRONZE
- 2. FINISH (PIN) UNDER PLATING: 0.5um Ni CONTACT AREA: 0.076 µm MIN. GOLD

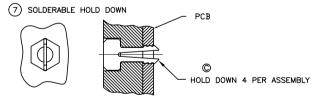
SOLDER TAIL: 2.5um Sn-Pb

3 DIM "X"

4.25±.1 3.5±.1 5.0±.1 OTHERS 36,67 1,17,34,35,51,68

- 4. RECOMMENDED HOLD DOWN 2mm SCREWS (95121-XXX)AND HEXNUTS (92869-001). RECOMMENDED SCREW TORQUE: 1.0 TO 1.5 MAX in-lbs. (1.2-1.7 cm-kgs).
- 5 SOLDER TAIL KEY/PCB LAYOUT: SULDER HAIL KET/PGB LATOUT:
 R/A = RIGHT ANGLE PIN-THROUGH-HOLE-PAGE 6
 SMT-STG = STAGGERED SURFACE MOUNT-PAGE 7
 SMT-IL = SURFACE MOUNT IN-LINE (SINGLE ROW)-PAGE 8

6. BOARD KEEP OUT ZONE- PAGE 9



8. PRODUCT SPEC:110-263

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В

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FCIconnect.co DESCRIPTION: ABOVE P.C.B., DECK AND PUSH-ROD LOCATION ARE AS VIEWED BY USER.

PRODUCT NO. 95620-XXXXX	PUSH ROD LOCATION	SOLDER TAIL ⑤	STAND-OFF HEIGHT DIM "L"	EJ. HEADER ASSY 92140-XXX (A)	EJ. MECHANISM ASSY 95079-XXXX B	SOLDERABLE HOLD DOWN (4)	MOUNTING STYLE TO PCB AND PUSH-ROD LOCATION	USED WITH/COMMENTS
000CALF	RIGHT	R/A	0.0	000LF	00CA			
000CAHLF 🛈	RIGHT	R/A	0.0	000LF	00CA	93925-001		
001CALF	RIGHT	SMT-STG	0.0	001LF	00CA			
002CALF	RIGHT	SMT-IL	0.0	002LF	00CA			
020CALF	RIGHT	R/A	2.0	040LF	02CA			
040CALF	RIGHT	R/A	4.0	010LF	04CA			
050CALF	RIGHT	R/A	5.0	020LF	05CA			
050CAHLF 🛈	RIGHT	R/A	5.0	020LF	05CA	93925-004		
100CALF	LEFT	R/A	0.0	000LF	10CA			
100CAHLF 🛈	LEFT	R/A	0.0	000LF	10CA	93925-001		
101CALF	LEFT	SMT-STG	0.0	001LF	10CA			
102CALF	LEFT	SMT-IL	0.0	002LF	10CA			
120CALF	LEFT	R/A	2.0	040LF	12CA			
140CALF	LEFT	R/A	4.0	010LF	14CA			
150CALF	LEFT	R/A	5.0	020LF	15CA			
005CALF	RIGHT	R/A	0.0	005LF	00CA			95620-000CALF or -100CALF
025CALF	RIGHT	R/A	0.0	045LF	00CA			95620-020CALF or -120CALF
105CALF	LEFT	R/A	0.0	005LF	10CA			95620-000CALF or -100CALF
125CALF	LEFT	R/A	0.0	045LF	10CA			95620-020CALF or -120CALF

NOTES:

1. MATERIAL: 1.1 HEADER ASSY:

PLASTIC HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK - ABOVE PCB HIGH TEMPERATURE THERMOPLASTIC UL94V-0 (WHITE) - BELOW PCB

HIGH TEMPERATURE THERMOPLASTIC UL94V-0 (WHITE) - BELOW
PIN: PHOSPHOR BRONZE

1.2 EJECT MECHANISM ASSY:
PLASTIC GUIDE: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
PLASTIC PUSH-ROD BUTTON: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
COVER PLATE, EJECT PLATE, LINK ARM,
PUSH ROD: STAINLESS STEEL
EMI CONTACT: PHOSPHOR BRONZE

2. FINISH (PIN)
UNDER PLATING: 0.5um Ni
CONTACT AREA: 0.076 µm MIN. GOLD

3 SOLDER TAIL: 2.5um Sn-Pb 4.25±.1 3.5±.1 5.0±.1

OTHERS 36,67 1,17,34,35,51,68

UITEKS | 30,67 | 1,17,43,5,51,88 |

4. RECOMMENDED HOLD DOWN - 2mm SCREWS (95121-XXX)AND HEXNUTS (92869-001), RECOMMENDED SCREW TORQUE: 1.0 TO 1.5 MAX in-lbs. (1.2-1.7 cm--kgs).

(5) SOLDER TAIL KEY/POB LAYOUT: R/A = RIGHT ANGLE PIN-THROUGH—HOLE—PAGE 6 SMT—STG = STAGGERED SURFACE MOUNT—PAGE 7 SMT—IL = SURFACE MOUNT IN-LINE (SINGLE ROW)—PAGE 8

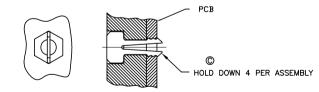
6 IF LEAD FREE P/N. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE SOLDER TAIL : SMT-IL, SMT-STG CAN RESIST 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
SOLDER TAIL: R/A CAN RESIST 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.00MM MINIMUM THICK CIRCUIT BOARD.

7 IF LEAD FREE P/N.THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DISCRIBLED IN GS-22-008

8 LEAD FREE P/N PACKAGING MEETS GS-14-920 SPECIFICATION

9. BOARD KEEP OUT ZONE- PAGE 9

(10) SOLDERABLE HOLD DOWN



11. PRODUCT SPEC:110-263

PDS: Rev :N3

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form: A4mmXLc

STATUS:Released

DESCRIPTION: BELOW P.C.B. DECK AND PLISH-ROD LOCATION ARE AS VIEWED BY LISER

DESCRIPTION: B	ELOW P.C.B.	, DECK AND) PUSH-ROD	LOCATION AR	E AS VIEWED BY	JSER.		
PRODUCT NO. 95620-XXXXX	PUSH ROD LOCATION	SOLDER TAIL ⑤	STAND-OFF HEIGHT DIM "L"	EJ. HEADER ASSY 92140-XXX	EJ. MECHANISM ASSY 95079-XXXX B	SOLDERABLE HOLD DOWN (4)	MOUNTING STYLE TO PCB AND PUSH-ROD LOCATION	USED WITH/COMMENTS
500CA	RIGHT	R/A	0.0	500	10CA			
500CAH	RIGHT	R/A	0.0	500	10CA	93925-001		
501CA	RIGHT	SMT-STG	0.0	501	10CA			
502CA	RIGHT	SMT-IL	0.0	502	10CA			
503CA	RIGHT	SMT-IL	0.0	503	10CA			NO BOARD LOCATORS
520CA	RIGHT	R/A	2.0	540	12CA			
540CA	RIGHT	R/A	4.0	510	14CA			
550CA	RIGHT	R/A	5.0	520	15CA			
600CA	LEFT	R/A	0.0	500	00CA			
601CA	LEFT	SMT-STG	0.0	501	00CA			
602CA	LEFT	SMT-IL	0.0	502	00CA			
620CA	LEFT	R/A	2.0	540	02CA			
640CA	LEFT	R/A	4.0	510	04CA			
650CA	LEFT	R/A	5.0	520	05CA			
505CA	RIGHT	R/A	0.0	505	10CA			95620-500CA or -600CA
525CA	RIGHT	R/A	0.0	545	10CA			95620-520CA or -620CA
605CA	LEFT	R/A	0.0	505	00CA			95620-500CA or -600CA
625CA	LEFT	R/A	0.0	545	00CA			95620-520CA or -620CA

1. MATERIAL:

1.1 HEADER ASSY:

PLASTIC HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK - ABOVE PCB

HIGH TEMPERATURE THERMOPLASTIC UL94V-0 (WHITE) - BELOW PCB

1.2 EJECT MECHANISM ASSY:
PLASTIC GUIDE: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
PLASTIC PUSH-ROD BUTTON: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
COVER PLATE, EJECT PLATE, LINK ARM,
PUSH ROD: STAINLESS STEEL
EMI CONTACT: PHOSPHOR BRONZE

2. FINISH (PIN)
UNDER PLATING: 0.5um Ni
CONTACT AREA: 0.076 µm MIN. GOLD

SOLDER TAIL: 2.5um Sn-Pb

3 DIM "X"

4.25±.1 3.5±.1 5.0±.1 OTHERS 36,67 1,17,34,35,51,68

- 4. RECOMMENDED HOLD DOWN 2mm SCREWS (95121-XXX) AND HEXNUTS (92869-001). RECOMMENDED SCREW TORQUE: 1.0 TO 1.5 MAX in-lbs. (1.2-1.7 cm-kgs).
- (5) SOLDER TAIL KEY/PCB LAYOUT:
 R/A = RIGHT ANGLE PIN-THROUGH-HOLE-PAGE 6
 SMT-STG = STAGGERED SURFACE MOUNT-PAGE 7
 SMT-IL = SURFACE MOUNT IN-LINE (SINGLE ROW)-PAGE 8
- 6. BOARD KEEP OUT ZONE-PAGE 9
- 7. PRODUCT SPEC:110-263

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form: A4mmXLc

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PDS: Rev :N3

STATUS:Released

3|

DESCRIPTION: BELOW P.C.B., DECK AND PUSH-ROD LOCATION ARE AS VIEWED BY USER

DESCRIPTION: B	FLOW P.C.B.	, DECK AND			E AS VIEWED BY	USER.		
PRODUCT NO. 95620-XXXXX	PUSH ROD LOCATION	SOLDER TAIL ⑤	STAND-OFF HEIGHT DIM "L"	EJ. HEADER ASSY 92140-XXX	EJ. MECHANISM ASSY 95079-XXXX B	SOLDERABLE HOLD DOWN (4)	MOUNTING STYLE TO PCB AND PUSH-ROD LOCATION	USED WITH/COMMENTS
500CALF	RIGHT	R/A	0.0	500LF	10CA			
500CAHLF	RIGHT	R/A	0.0	500LF	10CA	93925-001		
501CALF	RIGHT	SMT-STG	0.0	501LF	10CA			
502CALF	RIGHT	SMT-IL	0.0	502LF	10CA		 	
503CALF	RIGHT	SMT-IL	0.0	503LF	10CA			NO BOARD LOCATORS
520CALF	RIGHT	R/A	2.0	540LF	12CA			
540CALF	RIGHT	R/A	4.0	510LF	14CA			
550CALF	RIGHT	R/A	5.0	520LF	15CA			
600CALF	LEFT	R/A	0.0	500LF	00CA			
601CALF	LEFT	SMT-STG	0.0	501LF	00CA			
602CALF	LEFT	SMT-IL	0.0	502LF	00CA			
620CALF	LEFT	R/A	2.0	540LF	02CA			
640CALF	LEFT	R/A	4.0	510LF	04CA			
650CALF	LEFT	R/A	5.0	520LF	05CA			
505CALF	RIGHT	R/A	0.0	505LF	10CA			95620-500CA or -600CA
525CALF	RIGHT	R/A	0.0	545LF	10CA			95620-520CA or -620CA
605CALF	LEFT	R/A	0.0	505LF	OOCA			95620-500CA or -600CA
625CALF	LEFT	R/A	0.0	545LF	OOCA			95620-520CA or -620CA

NOTES:

- 1. MATERIAL:
 - 1.1 HEADER ASSY:
 PLASTIC HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK ABOVE PCB
 HIGH TEMPERATURE THERMOPLASTIC UL94V-0 (WHITE) BELOW PCB
 PIN: PHOSPHOR BRONZE
- 1.2 EJECT MECHANISM ASSY:
 PLASTIC GUIDE: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
 PLASTIC PUSH-ROD BUTTON: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
 COVER PLATE, EJECT PLATE, LINK ARM,
 PUSH ROD: STAINLESS STEEL
 EMI CONTACT: PHOSPHOR BRONZE
- 2. FINISH (PIN)
 UNDER PLATING: 0.5um Ni
 CONTACT AREA: 0.076 µm MIN. GOLD

SOLDER TAIL: 2.5um Sn-Pb

3 DIM "X"

 4.25±.1
 3.5±.1
 5.0±.1

 OTHERS
 36,67
 1,17,34,35,51,68

- 4. RECOMMENDED HOLD DOWN 2mm SCREWS (95121-XXX) AND HEXNUTS (92869-001). RECOMMENDED SCREW TORQUE: 1.0 TO 1.5 MAX in-lbs. (1.2-1.7 cm-kgs).
- (5) SOLDER TAIL KEY/PCB LAYOUT:
 R/A = RIGHT ANGLE PIN-THROUGH—HOLE—PAGE 6
 SMT—STG = STAGGERED SURFACE MOUNT—PAGE 7
 SMT—IL = SURFACE MOUNT IN—LINE (SINGLE ROW)—PAGE 8
- 6. BOARD KEEP OUT ZONE-PAGE 9

- 7 IF LEAD FREE P/N. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE SOLDER TAIL: SMT-IL, SMT-STG CAN RESIST 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
 SOLDER TAIL: R/A CAN RESIST 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.00MM MINIMUM THICK CIRCUIT BOARD.
- 8 IF LEAD FREE P/N.THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DISCRIBLED IN GS-22-008
- 9 LEAD FREE P/N PACKAGING MEETS GS-14-920 SPECIFICATION
- 10 PRODUCT SPEC:110-263

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form: A4mmXLc

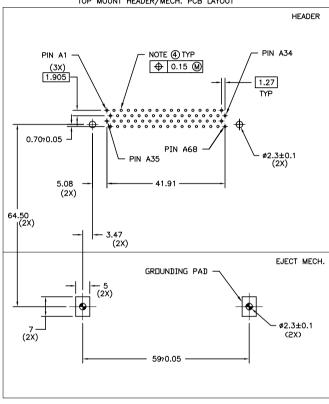
2

PDS: Rev :N3

STATUS:Released

Single Mount Right Angle

FIGURE "A"
TOP MOUNT HEADER/MECH. PCB LAYOUT

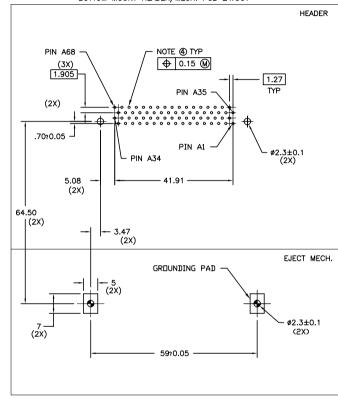


BOARD VIEW FROM CONNECTOR MOUNTED SIDE TOP OF BOARD IN APPLICATION

NOTES:

- 1 ALL TOLERANCES ±0.15 UNLESS NOTED.
- 2 KEEP-OUT ZONE FOR HEADERS W\STAND-OFF OPTIONS SEE SHEET 9 FIGURE A.
- 3 KEEP-OUT ZONE FOR HEADERS W\O STAND-OFF OPTIONS SEE SHEET 9 FIGURE B.
- (4) RECOMMENDED DIAMETER IS Ø1.0. FOR PROCESSES USING PASTE REFLOW, HOLE MAY BE AS SMALL AS Ø0.79

BOTTOM MOUNT HEADER/MECH. PCB LAYOUT



BOARD VIEW FROM CONNECTOR MOUNTED SIDE BOTTOM OF BOARD IN APPLICATION

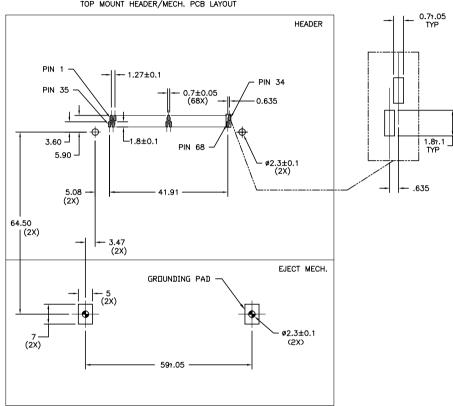
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form: A4mmXLc

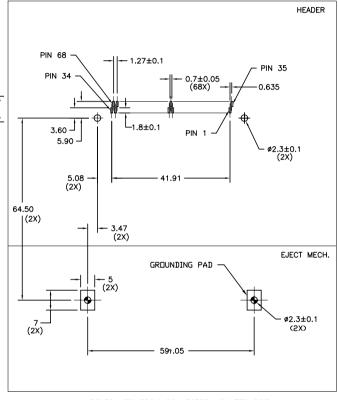
<u>Surface Mount 2-Row</u>

FIGURE "A"
TOP MOUNT HEADER/MECH. PCB LAYOUT



BOARD VIEW FROM CONNECTOR MOUNTED SIDE TOP OF BOARD IN APPLICATION

FIGURE "B" BOTTOM MOUNT HEADER/MECH. PCB LAYOUT



BOARD VIEW FROM CONNECTOR MOUNTED SIDE BOTTOM OF BOARD IN APPLICATION

NOTES:

- 1 ALL TOLERANCES ±0.15 UNLESS NOTED.
- 2 KEEP-OUT ZONE FOR ASSEMBLIES SHOWN ON SHEET 9 FIGURE B.

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form: A4mmXLc

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PDS: Rev :N3

STATUS:Released

Printed: Apr 28,42012

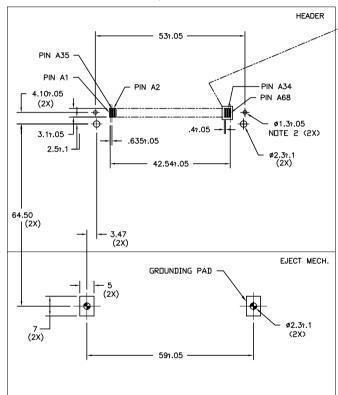
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Surface Mount In-Line

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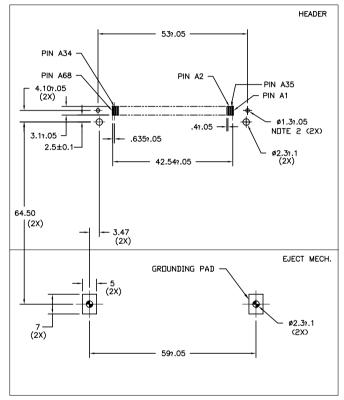
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FIGURE "A"
TOP MOUNT HEADER/MECH. PCB LAYOUT



BOARD VIEW FROM CONNECTOR MOUNTED SIDE TOP OF BOARD IN APPLICATION

FIGURE "B"
BOTTOM MOUNT HEADER/MECH. PCB LAYOUT



BOARD VIEW FROM CONNECTOR MOUNTED SIDE BOTTOM OF BOARD IN APPLICATION

NOTES:

- 1 ALL TOLERANCES ±.15 UNLESS NOTED.
- 2) THIS HOLE REQUIRED FOR HEADERS WITH BOARD LOCATOR.
- 3 KEEP-OUT ZONE FOR ASSEMBLIES SHOWN ON SHEET 9 FIGURE B.

surface tolerance projection product family mat'l. code IS□1302 V ISD1101 ISD406 MCS ltrecn nodr date specifie atitle tolerances unless other 0.X±0.3 langle|\$ 5V EJECT HEADER ASSY 0.XX±0.13 0°±2° 0.XXX±0.051 scale 1:1 sheet8of9 size D.SHEAFFER 11/17/94 dwg no D.BRANN 12/7/94 95620 D.BRANN 12/7/94 appd D.BRANN 12/7/94 type Product Customer Drawing sheet revision index sheet PDS: Rev:N3

form: A4mmXLc

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STATUS:Released

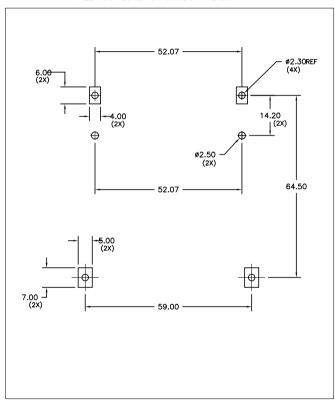
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3

FIGURE "B" NOTE 1

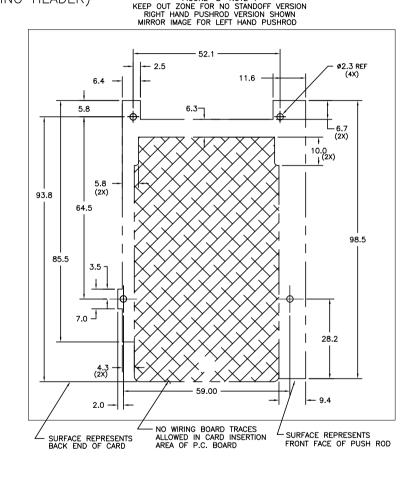
Board Keep Out Zone (NOT INCLUDING HEADER)

FIGURE "A" KEEP OUT ZONE FOR STANDOFF VERSION



NOTES:

1 ALL DIMENSIONS SHOWN ARE NOMINAL AND DEFINE THE OUTSIDE SURFACES OF THE ASSEMBLY. A MINIMUM OF 0.25mm (0.010") CLEARANCE BETWEEN THE ASSEMBLY AND ANY COMPONENTS IS SUGGESTED.



surface /tolerance projectionproduct family mat'l. code IS□1302 V ISD1101 ISD406 MCS se specifie dtitle ltr ecn nodr date toleraņces unless other 0.X±0.3 angle & 5V EJECT HEADER ASSY 0.XX±0.13 0°±2° 0.XXX±0.051 scale 1:1 sheet9of9 size D.SHEAFFER 11/17/94 dwg no D.BRANN 12/7/94 95620 D.BRANN 12/7/94 appd D.BRANN 12/7/94 type Product Customer Drawing sheet revision index sheet

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