A FCI

SEE NOTE ③

65.0
52.07
85.5
7.2
DIM "X"
5.8
64.5
93.8

ESD CONTACT

EMI CONTACT

Ⓐ

Ⓑ

5.8

5.8

DIM "L"
STAND-OFF
SEE TABLE
PAGES 2&3

3.0

51.4
54.2
59.8
32.0
31.5

PIN 1
41.91
1.27
PIN 34
5.8
3.1
1.27
PIN 35
PIN 68

LEFT PUSH-ROD
RIGHT ANGLE SOLDER TAIL
ABOVE P.C.B. 5.0mm STAND-OFF
P/N: 98751-150/150LF

PIN 1
PIN 34
PIN 35
PIN 68

RIGHT PUSH-ROD
RIGHT ANGLE SOLDER TAIL
BELOW P.C.B. 0mm STAND-OFF
P/N: 98751-500/500LF

THRU-HOLE
RIGHT-ANGLE
SEE SHEET 4
FOR P.C.B. LAYOUT

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

SURFACE MOUNT
IN-LINE
SEE SHEET 6
FOR P.C.B. LAYOUT

③ DIM "X"

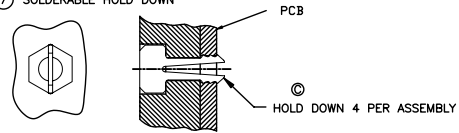|		
4.25±.1	3.5±.1	5.0±.1
OTHERS	36,67	1,17,34,35,51,68

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).

NOTES: (CONTINUED ON SHEET 2)
1. REFER TO HEADER DRAWING 92140 AND EJECT MECHANISM 87588 FOR ADDITIONAL MATERIAL, AND PLATING INFORMATION.
2. MATERIAL:
   1.1 HEADER ASSY:
      PLASTIC HOUSING: LCP UL94V-0 BLACK - ABOVE PCB
                       LCP UL94V-0 NATURAL (WHITE) - BELOW PCB
      PIN: PHOSPHOR BRONZE
   1.2 EJECT MECHANISM ASSY:
      PLASTIC GUIDE: POLYPHTHARAMID UL94V-0 BLACK
      COVER PLATE, EJECT PLATE, LINK ARM,
         PUSH ROD: STAINLESS STEEL
      EMI CONTACT: PHOSPHOR BRONZE
3. FINISH (PIN)
   UNDER PLATING:0.5μm Ni
   CONTACT AREA: 0.1μm GOLD OVER
                 0.5μm Pd-Ni
   SOLDER TAIL(TIN LEAD): 2.5μm Sn-Pb
   SOLDER TAIL(LEAD FREE): 2.5μm PURE TIN

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		**A FCI**		
—				.X ±.3				www.fciconnect.com		
ltr	ecn no	dr	date	linear	.XX ±.10	projection	title			
A	V92109	CGC	11/03/99		.XXX ±.050		PCMCIA 5V			
B	V20714	GIP	08/01/02	angles	0° ±2°		EJECT HEADER ASSY.			
C	N05-0023	WB	01/27/05	dr	G.CLEMENS 11/03/99	MM	product family	MCS		code
D	N05-0047	WB	02/21/05	engr	D.BRANN 11/03/99					213
				chr	D.BRANN 11/03/99	scale	size	dwg no		sheet
				appd	D.BRANN 11/03/99	1.25/1	A	98751		1 of 7
sheet	revision	D	D	D	C	C	C	C		
index	sheet	1	2	3	4	5	6	7		

ACAD

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

PRODUCT NO. 98751−XXXX	PUSH ROD LOCATION	SOLDER TAIL ⑤	STAND−OFF HEIGHT DIM "L"	EJ. HEADER ASSY 92140−XXX Ⓐ	EJ. MECHANISM ASSY 87588−XXX Ⓑ	SOLDERABLE HOLD DOWN (4) Ⓒ	MOUNTING STYLE TO PCB AND PUSH−ROD LOCATION	USED WITH/COMMENTS
000	RIGHT	R/A	0.0	000	000			
000H ⑩	RIGHT	R/A	0.0	000	000	93925−001		
001	RIGHT	SMT−STG	0.0	001	000			
002	RIGHT	SMT−IL	0.0	002	000			
050	RIGHT	R/A	5.0	020	005			
050H ⑩	RIGHT	R/A	5.0	020	005	93925−004		
005	RIGHT	R/A	0.0	005	000			98751−000 or −100
100	LEFT	R/A	0.0	000	001			
100H ⑩	LEFT	R/A	0.0	000	001	93925−001		
101	LEFT	SMT−STG	0.0	001	001			
102	LEFT	SMT−IL	0.0	002	001			
150	LEFT	R/A	5.0	020	005			
105	LEFT	R/A	0.0	005	001			98751−000 or −100
500	RIGHT	R/A	0.0	500	001			
500H	RIGHT	R/A	0.0	500	001	93925−001 ⑩		
501	RIGHT	SMT−STG	0.0	501	001			
502	RIGHT	SMT−IL	0.0	502	001			
503	RIGHT	SMT−IL	0.0	503	001			NO BOARD LOCATORS
550	RIGHT	R/A	5.0	520	007			
505	RIGHT	R/A	0.0	505	001			98751−500 or −600
600	LEFT	R/A	0.0	500	000			
600H	LEFT	R/A	0.0	500	000	93925−001 ⑩		
601	LEFT	SMT−STG	0.0	501	000			
602	LEFT	SMT−IL	0.0	502	000			
650	LEFT	R/A	5.0	520	005			
605	LEFT	R/A	0.0	505	000			98751−500 or −600

NOTES: (CONTINUED FROM SHEET 1)
⑤ SOLDER TAIL KEY/PCB LAYOUT:
R/A = RIGHT ANGLE PIN−THROUGH−HOLE−PAGE 4
SMT−STG = STAGGERED SURFACE MOUNT−PAGE 5
SMT−IL = SURFACE MOUNT IN−LINE (SINGLE ROW)−PAGE 6
6. BOARD KEEP OUT ZONE− PAGE 7
⑦ SOLDERABLE HOLD DOWN

PCB
Ⓒ
HOLD DOWN 4 PER ASSEMBLY

mat'l. code			—		tolerances unless otherwise specified		CUSTOMER COPY		
ltr	ecn no	dr	date	linear	.X ±.3				
D					.XX ±.10	projection	title		
					.XXX ±.050		PCMCIA 5V		
				angles	0° ±2°		EJECT HEADER ASSY.		
				dr	G.CLEMENS 11/03/99		product family MCS		code 213
				engr	D.BRANN 11/03/99	MM	size dwg no		
				chr	D.BRANN 11/03/99	scale	A 98751		sheet 2 of
sheet index	revision sheet			appd	D.BRANN 11/03/99	1:1			

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

PRODUCT NO. 98751-XXXX	PUSH ROD LOCATION	SOLDER TAIL ⑤	STAND-OFF HEIGHT DIM "L"	EJ. HEADER ASSY 92140-XXX Ⓐ	EJ. MECHANISM ASSY 87588-XXX Ⓑ	SOLDERABLE HOLD DOWN (4) Ⓒ	MOUNTING STYLE TO PCB AND PUSH-ROD LOCATION	USED WITH/COMMENTS
000LF	RIGHT	R/A	0.0	000LF	000			
000HLF ⑩	RIGHT	R/A	0.0	000LF	000	93925-001		
050LF	RIGHT	R/A	5.0	020LF	005			
050HLF ⑩	RIGHT	R/A	5.0	020LF	005	93925-004		
005LF	RIGHT	R/A	0.0	005LF	000			98751-000 or -100
100LF	LEFT	R/A	0.0	000LF	001			
100HLF ⑩	LEFT	R/A	0.0	000LF	001	93925-001		
150LF	LEFT	R/A	5.0	020LF	005			
105LF	LEFT	R/A	0.0	005LF	001			98751-000 or -100
500LF	RIGHT	R/A	0.0	500LF	001			
500HLF	RIGHT	R/A	0.0	500LF	001	93925-001 ⑩		
								NO BOARD LOCATORS
550LF	RIGHT	R/A	5.0	520LF	007			
505LF	RIGHT	R/A	0.0	505LF	001			98751-500 or -600
600LF	LEFT	R/A	0.0	500LF	000			
600HLF	LEFT	R/A	0.0	500LF	000	93925-001 ⑩		
650LF	LEFT	R/A	5.0	520LF	005			
605LF	LEFT	R/A	0.0	505LF	000			98751-500 or -600

NOTES: (CONTINUED FROM SHEET 2)
8. 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.
9. IF LEAD FREE P/N.THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES
   AND OTHER COUNTRY REGULATIONS AS DISCRIBLED IN GS-22-008
10. IF LEAD FREE P/N, PACKAGING MEETS GS-14-920 SPECIFICATION

mat'l. code					tolerances unless otherwise specified		CUSTOMER COPY			www.fciconnect.com
ltr	ecn no	dr	date			.X ±.3	projection	title		
D				linear		.XX ±.10		PCMCIA 5V EJECT HEADER ASSY.		
						.XXX ±.050				
				angles		0° ±2°	MM	product family MCS	code 213	
				dr	G.CLEMENS	11/03/99				
				engr	D.BRANN	11/03/99		size	dwg no 98751	sheet 3 of
				chr	D.BRANN	11/03/99	scale	A		
				appd	D.BRANN	11/03/99	1:1			
sheet index	revision sheet						cage code			

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PDM: Rev:D   STATUS: Released   26 Printed: Oct 12, 2010

Single Mount Right Angle
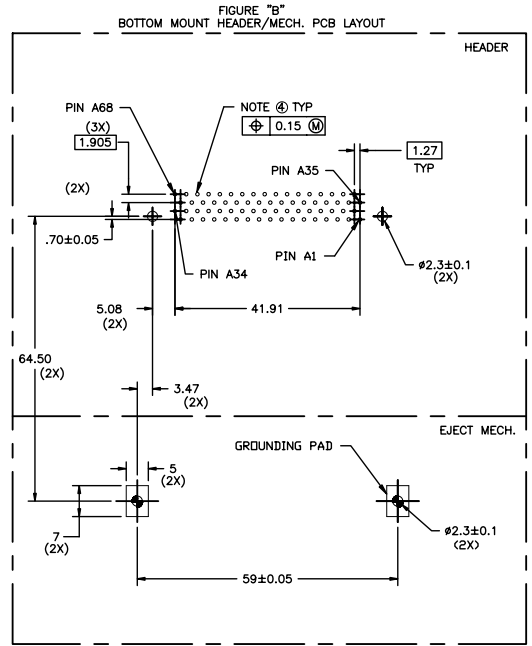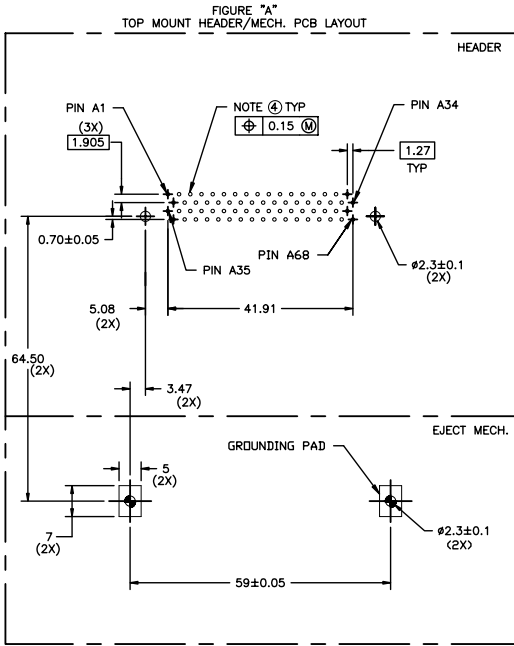
FIGURE "A"
TOP MOUNT HEADER/MECH. PCB LAYOUT

HEADER

PIN A1 (3X) 1.905

NOTE ④ TYP
⊕ 0.15 Ⓜ

PIN A34

1.27 TYP

0.70±0.05

(2X)

PIN A35   PIN A68

Ø2.3±0.1 (2X)

5.08 (2X)

41.91

64.50 (2X)

3.47 (2X)

EJECT MECH.

GROUNDING PAD

5 (2X)

7 (2X)

Ø2.3±0.1 (2X)

59±0.05

BOARD VIEW FROM CONNECTOR MOUNTED SIDE
TOP OF BOARD IN APPLICATION

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

HEADER

PIN A68 (3X) 1.905

NOTE ④ TYP
⊕ 0.15 Ⓜ

PIN A35

1.27 TYP

(2X)

.70±0.05

PIN A34   PIN A1

Ø2.3±0.1 (2X)

5.08 (2X)

41.91

64.50 (2X)

3.47 (2X)

EJECT MECH.

GROUNDING PAD

5 (2X)

7 (2X)

Ø2.3±0.1 (2X)

59±0.05

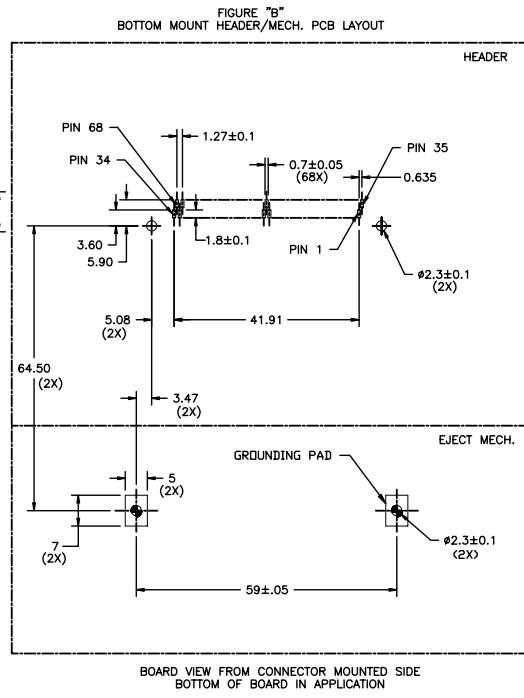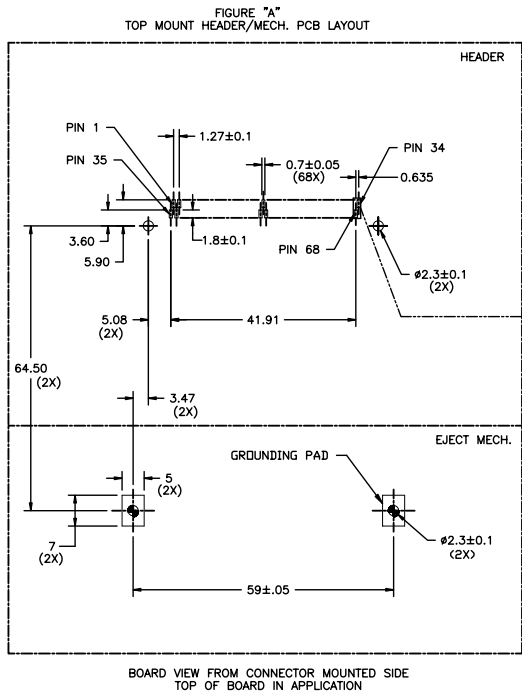BOARD VIEW FROM CONNECTOR MOUNTED SIDE
BOTTOM OF BOARD IN APPLICATION

NOTES:

1 ALL TOLERANCES ±0.15 UNLESS NOTED.

2 KEEP-OUT ZONE FOR HEADERS W\STAND-OFF OPTIONS SEE SHEET 7 FIGURE A.

3 KEEP-OUT ZONE FOR HEADERS W\O STAND-OFF OPTIONS SEE SHEET 7 FIGURE B.

④ RECOMMENDED DIAMETER IS Ø1.0.
    FOR PROCESSES USING PASTE REFLOW, HOLE MAY BE
    AS SMALL AS Ø0.79

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		Ⓐ FCI	
ltr	ecn no	dr	date	linear	.X ±.3	projection	title	www.fciconnect.com	
c					.XX ±.10		PCMCIA 5V		
					.XXX ±.050	⊕ ◁▷	EJECT HEADER ASSY.		
				angles	0° ±2°				
				dr	G.PETERS 08/01/02	MM	product family	MCS	code
				engr	D.BRANN 08/01/02				213
				chr	G.PETERS 08/01/02	scale	size	dwg no	sheet
				appd	D.BRANN 08/01/02	1:1	A	98751	4 of
sheet index	revision sheet								

ACAD

Surface Mount 2-Row

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

HEADER

PIN 1
PIN 35
1.27±0.1
0.7±0.05 (68X)
0.635
PIN 34

3.60
5.90
1.8±0.1
PIN 68
ø2.3±0.1 (2X)

5.08 (2X)
41.91

64.50 (2X)
3.47 (2X)

EJECT MECH.

GROUNDING PAD
5 (2X)
7 (2X)
ø2.3±0.1 (2X)
59±.05

BOARD VIEW FROM CONNECTOR MOUNTED SIDE
TOP OF BOARD IN APPLICATION

0.7±.05 TYP
1.8±.1 TYP
.635

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

HEADER

PIN 68
PIN 34
1.27±0.1
0.7±0.05 (68X)
0.635
PIN 35

3.60
5.90
1.8±0.1
PIN 1
ø2.3±0.1 (2X)

5.08 (2X)
41.91

64.50 (2X)
3.47 (2X)

EJECT MECH.

GROUNDING PAD
5 (2X)
7 (2X)
ø2.3±0.1 (2X)
59±.05

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 7 FIGURE B.

mat'l. code				tolerances unless otherwise specified				
ltr	ecn no	dr	date	linear	.X ±.3			
c					.XX ±.10			
					.XXX ±.050			
				angles	0° ±2°			
				dr	G.PETERS	08/01/02		
				engr	D.BRANN	08/01/02		
				chr	G.PETERS	08/01/02		
				appd	D.BRANN	08/01/02		
sheet index	revision sheet							

CUSTOMER COPY

FCI
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projection

title
PCMCIA 5V
EJECTOR HEADER ASSY.

MM

product family MCS   code 213

size A   dwg no 98751

scale 1:1   sheet 5 of

ACAD

Surface Mount In-Line

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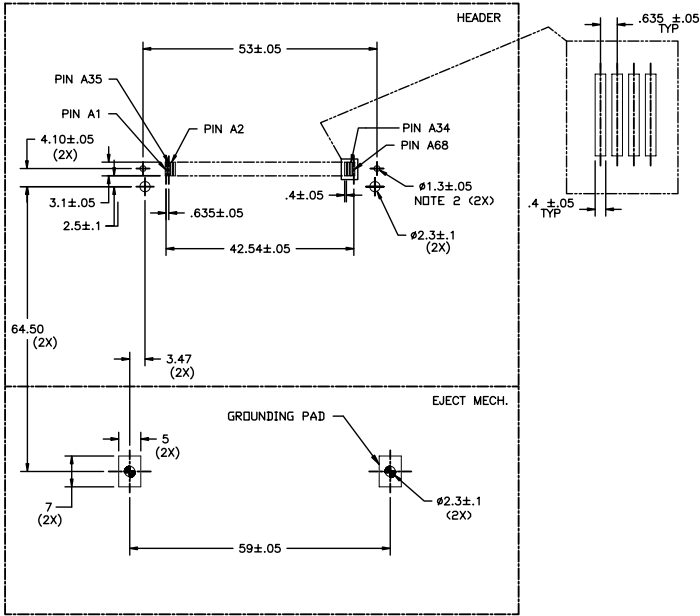
HEADER

PIN A35
PIN A1
PIN A2
PIN A34
PIN A68

53±.05

4.10±.05 (2X)
3.1±.05
2.5±.1
.635±.05
42.54±.05
.4±.05
ø1.3±.05 NOTE 2 (2X)
ø2.3±.1 (2X)

64.50 (2X)
3.47 (2X)

.635 ±.05 TYP
.4 ±.05 TYP

EJECT MECH.

5 (2X)
7 (2X)
GROUNDING PAD
ø2.3±.1 (2X)
59±.05

BOARD VIEW FROM CONNECTOR MOUNTED SIDE
TOP OF BOARD IN APPLICATION

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

HEADER

PIN A34
PIN A68
PIN A2
PIN A35
PIN A1

53±.05

4.10±.05 (2X)
3.1±.05
2.5±.1
.635±.05
42.54±.05
.4±.05
ø1.3±.05 NOTE 2 (2X)
ø2.3±.1 (2X)

64.50 (2X)
3.47 (2X)

EJECT MECH.

5 (2X)
7 (2X)
GROUNDING PAD
ø2.3±.1 (2X)
59±.05
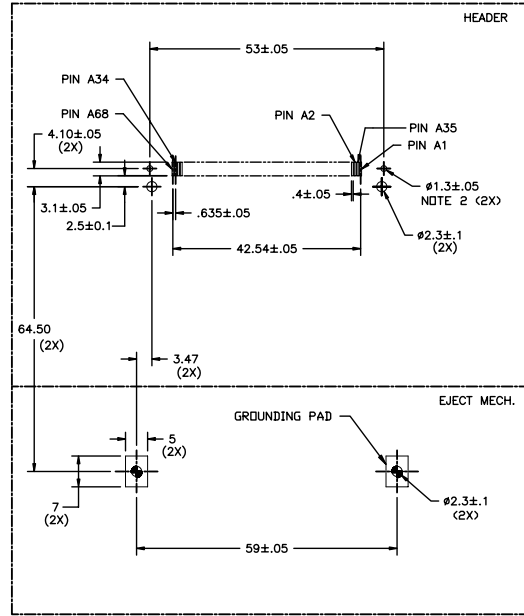
BOARD VIEW FROM CONNECTOR MOUNTED SIDE
BOTTOM OF BOARD IN APPLICATION

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 7 FIGURE B.

mat'l. code				tolerances unless otherwise specified		
ltr	ecn no	dr	date		.X ±.3	
c				linear	.XX ±.10	
					.XXX ±.050	
				angles	0° ±2°	
				dr	G.PETERS	08/01/02
				engr	D.BRANN	08/01/02
				chr	G.PETERS	08/01/02
				appd	D.BRANN	08/01/02
sheet index	revision sheet					

CUSTOMER COPY

projection

MM

scale 1:1

FCI
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title
PCMCIA 5V
EJECT HEADER ASSY.

product family MCS
code 213

size A
dwg no 98751
sheet 6 of

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FCI

Board Keep Out Zone
(NOT INCLUDING HEADER)

FIGURE "A"
KEEP OUT ZONE FOR STANDOFF VERSION

52.07

6.00
(2X)

ø2.30REF
(4X)

4.00
(2X)

14.20
(2X)

ø2.50
(2X)

52.07

64.50

5.00
(2X)

7.00
(2X)

59.00
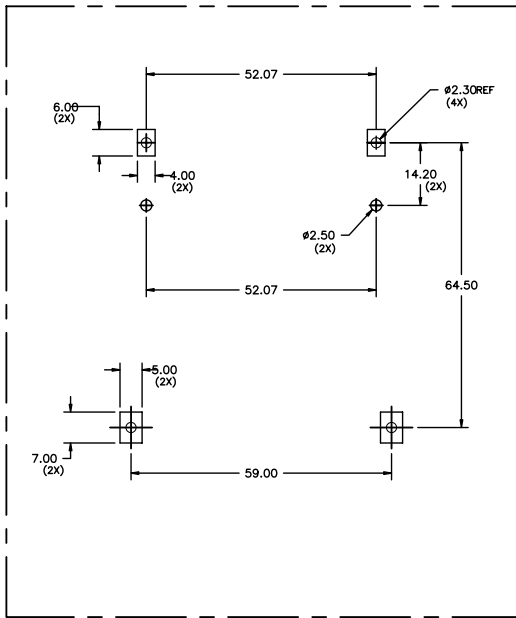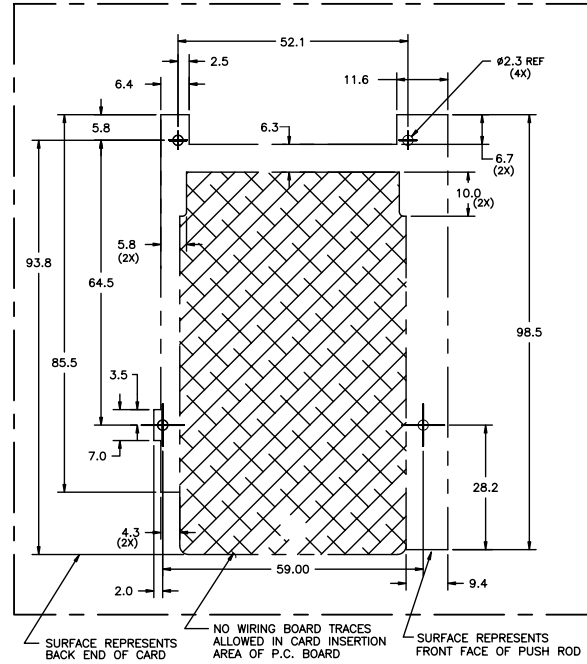
FIGURE "B" NOTE 1
KEEP OUT ZONE FOR NO STANDOFF VERSION
RIGHT HAND PUSHROD VERSION SHOWN
MIRROR IMAGE FOR LEFT HAND PUSHROD

52.1

2.5

6.4

11.6

ø2.3 REF
(4X)

5.8

6.3

6.7
(2X)

93.8

5.8
(2X)

10.0
(2X)

64.5

98.5

85.5

3.5

7.0

28.2

4.3
(2X)

2.0

59.00

9.4

SURFACE REPRESENTS
BACK END OF CARD

NO WIRING BOARD TRACES
ALLOWED IN CARD INSERTION
AREA OF P.C. BOARD

SURFACE REPRESENTS
FRONT FACE OF PUSH ROD

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.

mat'l. code				tolerances unless otherwise specified	CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no	dr	date	.X ±.3		title
c				linear .XX ±.10	projection	PCMCIA 5V
				.XXX ±.050		EJECT HEADER ASSY.
				angles 0° ±2°		
	dr	G.PETERS	08/01/02		MM	product family MCS code 213
	engr	D.BRANN	08/01/02			size dwg no
	chr	G.PETERS	08/01/02	scale	A	98751 sheet
	appd	D.BRANN	08/01/02	1:1		7 of
sheet index	revision sheet				cage code	

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