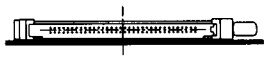
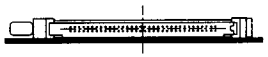
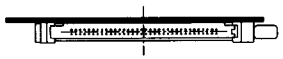
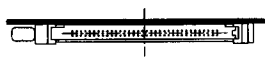
DESCRIPTION: ABOVE AND BELOW P.C.B., DECK AND PUSH-ROD LOCATION ARE AS VIEWED BY USER.

PRODUCT NO. 98725-XXXXX	PCB SIDE	PUSH ROD LOCATION	SOLDER TAIL ⑤	STAND-OFF HEIGHT DIM "L"	EJ. HEADER ASSY 95706-XXX Ⓐ	EJ. MECHANISM ASSY 95627-XXXX Ⓑ	MOUNTING STYLE TO PCB AND PUSH-ROD LOCATION
000CA	ABOVE	RIGHT	R/A	0.0	000	00CA	
001CA	ABOVE	RIGHT	SMT-STG	0.0	001	00CA	
002CA	ABOVE	RIGHT	SMT-IL	0.0	002	00CA	
020CA	ABOVE	RIGHT	R/A	2.0	040	02CA	
040CA	ABOVE	RIGHT	R/A	4.0	010	04CA	
050CA	ABOVE	RIGHT	R/A	5.0	020	05CA	
100CA	ABOVE	LEFT	R/A	0.0	000	10CA	
101CA	ABOVE	LEFT	SMT-STG	0.0	001	10CA	
102CA	ABOVE	LEFT	SMT-IL	0.0	002	10CA	
120CA	ABOVE	LEFT	R/A	2.0	040	12CA	
140CA	ABOVE	LEFT	R/A	4.0	010	14CA	
150CA	ABOVE	LEFT	R/A	5.0	020	15CA	
500CA	BELOW	RIGHT	R/A	0.0	500	10CA	
501CA	BELOW	RIGHT	SMT-STG	0.0	501	10CA	
502CA	BELOW	RIGHT	SMT-IL	0.0	502	10CA	
520CA	BELOW	RIGHT	R/A	2.0	540	12CA	
540CA	BELOW	RIGHT	R/A	4.0	510	14CA	
550CA	BELOW	RIGHT	R/A	5.0	520	15CA	
600CA	BELOW	LEFT	R/A	0.0	500	00CA	
601CA	BELOW	LEFT	SMT-STG	0.0	501	00CA	
602CA	BELOW	LEFT	SMT-IL	0.0	502	00CA	
620CA	BELOW	LEFT	R/A	2.0	540	02CA	
640CA	BELOW	LEFT	R/A	4.0	510	04CA	
650CA	BELOW	LEFT	R/A	5.0	520	05CA	

NOTES:

1 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
PLASTIC PUSH-ROD BUTTON: POLYPHTHARAMID UL94V-0 BLACK
COVER PLATE, EJECT PLATE, LINK ARM,
PUSH ROD: STAINLESS STEEL
EMI CONTACT: PHOSPHOR BRONZE

2 FINISH (PIN)
UNDER PLATING: 0.5um MIN Ni
CONTACT AREA: 0.1um MIN GOLD OVER
0.5um MIN Pd-Ni
SOLDER TAIL: 2.5um MIN 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).
RECOMMENDED SCREW TORQUE: 1.0 TO
1.5 MAX in-lbs. (1.2-1.7 cm-kgs).

⑤ SOLDER TAIL KEY:
R/A = RIGHT ANGLE PIN-THROUGH-HOLE
SMT-STG = STAGGERED SURFACE MOUNT
SMT-IL = SURFACE MOUNT IN-LINE (SINGLE ROW)

mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY	BERG ELECTRONICS
ltr	ecn no	dr	date	linear	.X ±.3				
A	V92043	CGC	10/13/99		.XX ±.13			projection	title: 3.3V EJECT HEADER ASSY
					.XXX ±.051				
				angles	0° ±2°				
				dr	G.CLEMENS	10/13/99		mm	product family: MCS
				engr	D.BRANN	10/13/99			size: A4 dwg no: 98725
				chr	D.BRANN	10/13/99		scale 1/1	code: –
				appd	D.BRANN	10/13/99			sheet: 1 of 6

sheet index	revision	A	A	A	A	A	A
	sheet	1	2	3	4	5	6

cage code 22526

form no. 7530-001-103

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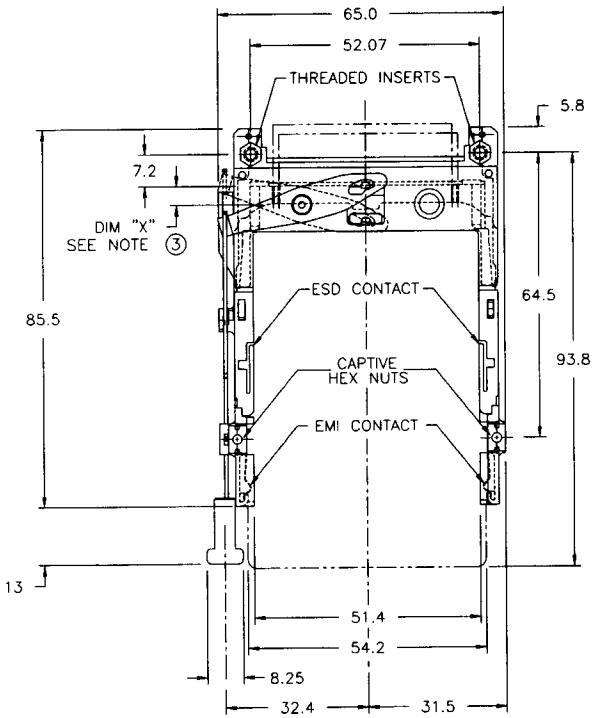
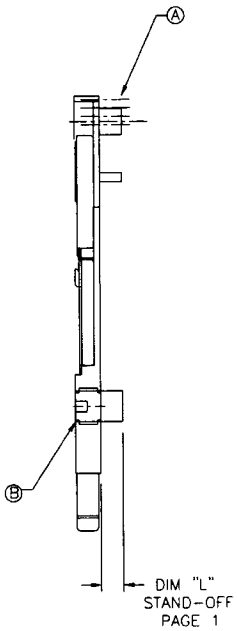
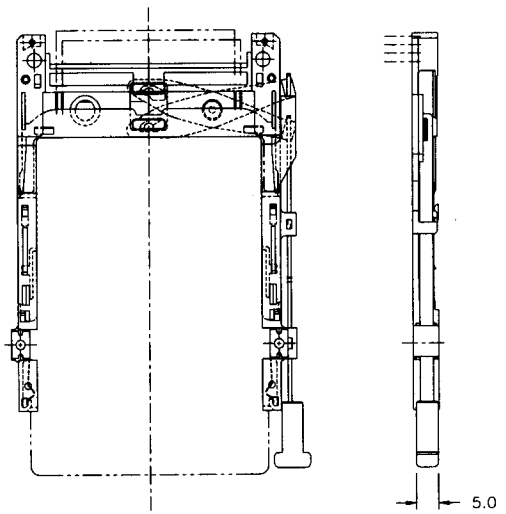
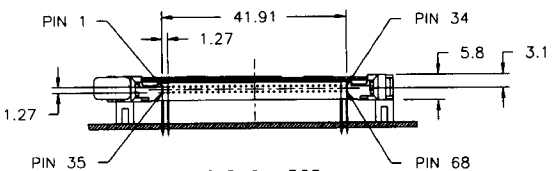


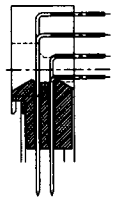




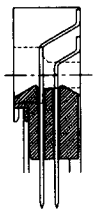
RIGHT PUSH-ROD
RIGHT ANGLE SOLDER TAIL
BELOW P.C.B. 0mm STAND-OFF
P/N: 98725-500CA



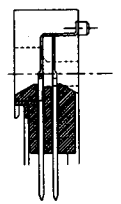
LEFT PUSH-ROD
RIGHT ANGLE SOLDER TAIL
ABOVE P.C.B. 5.0mm STAND-OFF
P/N: 98725-150CA



THRU-HOLE
RIGHT-ANGLE
SEE SHEET 3
FOR P.C.B. LAYOUT



SURFACE MOUNT
STAGGERED
SEE SHEET 4
FOR P.C.B. LAYOUT



SURFACE MOUNT
IN-LINE
SEE SHEET 5
FOR P.C.B. LAYOUT

NOTES:

1. REFER TO HEADER DRAWING 95706 AND EJECT MECHANISM 95627 FOR ADDITIONAL DIMENSIONS, MATERIAL, AND PLATING INFORMATION.

mat'l. code			
ltr	ecn no	dr	date
A			

tolerances unless otherwise specified		
linear	.X ±.3	
	.XX ±.13	
	.XXX ±.051	
angles	0° ±2°	
dr	G.CLEMENS	10/13/99
engr	D.BRANN	10/13/99
chr	D.BRANN	10/13/99
appd	D.BRANN	10/13/99

sheet index	revision sheet

CUSTOMER COPY

projection

mm

scale 1/1

BERG ELECTRONICS

title: 3.3V EJECT HEADER ASSY

product family: MCS

code: –

size: A4 | dwg no: 98725

sheet: 2 of 6

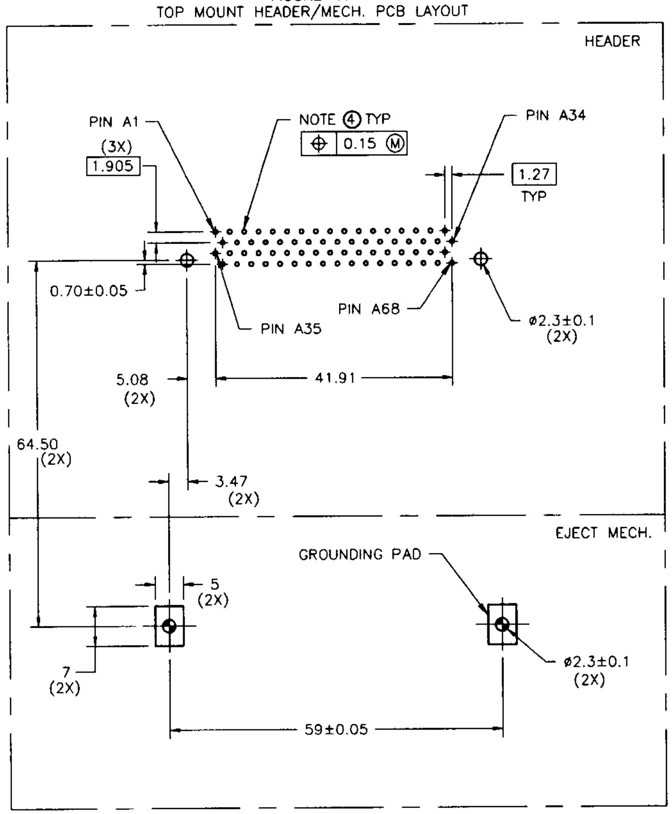
cage code: 22526

form no. 7530-001-103

PDM: Rev:A STATUS:Released Printed: Sep 28, 2007

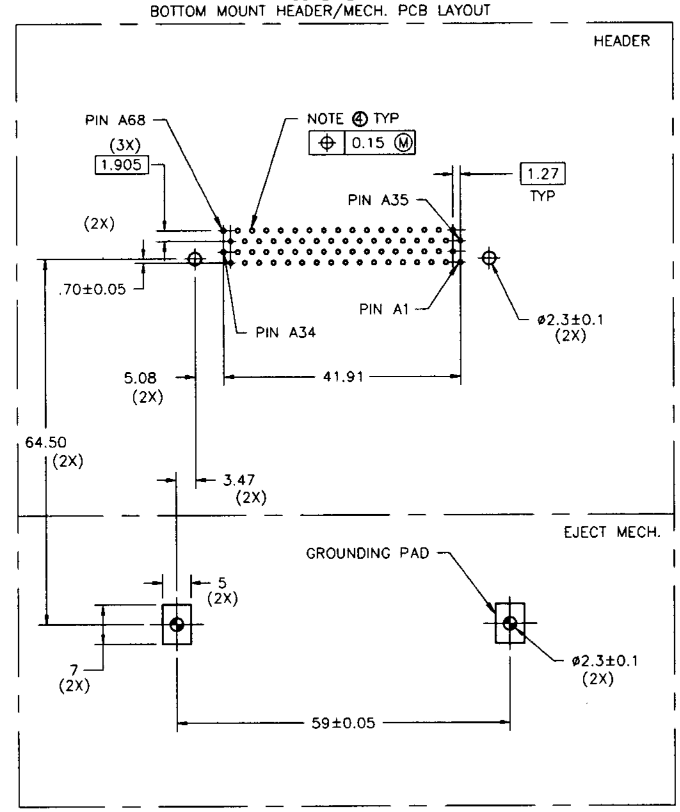
Single Mount Right Angle

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 HEADERS W\STAND-OFF OPTIONS SEE SHEET 6 FIGURE A.

3 KEEP-OUT ZONE FOR HEADERS W\O STAND-OFF OPTIONS SEE SHEET 6 FIGURE B.

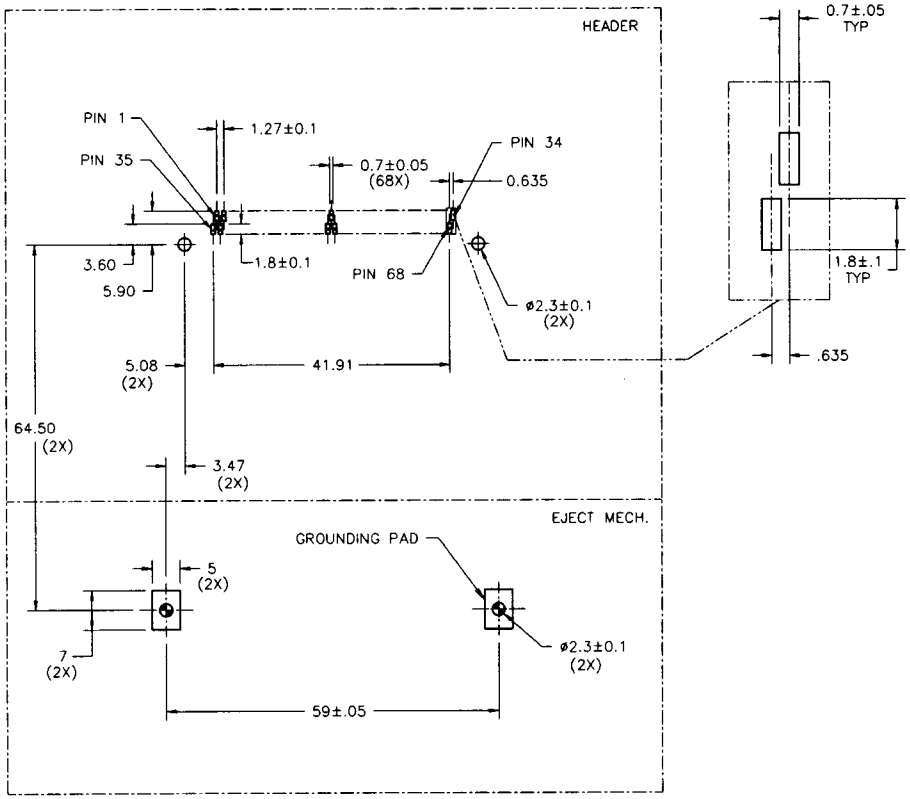
④ RECOMMENDED DIAMETER IS ø1.0.
FOR PROCESSES USING PASTE REFLOW, HOLE MAY BE
AS SMALL AS ø0.79

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	BERG ELECTRONICS
ltr	ecn no	dr	date	linear	.X ±.3			
A					.XX ±.13		projection	title 3.3V EJECT HDR ASSY
					.XXX ±.051			
				angles	0° ±2°			
				dr	G.CLEMENS	10/13/99	mm	product family MCS; code –
				engr	D.BRANN	10/13/99		size A4; dwg no 98725
				chr	D.BRANN	10/13/99	scale 1:1	sheet 3 of 6
				appd	D.BRANN	10/13/99		
sheet index	revision sheet							

cage code 22526

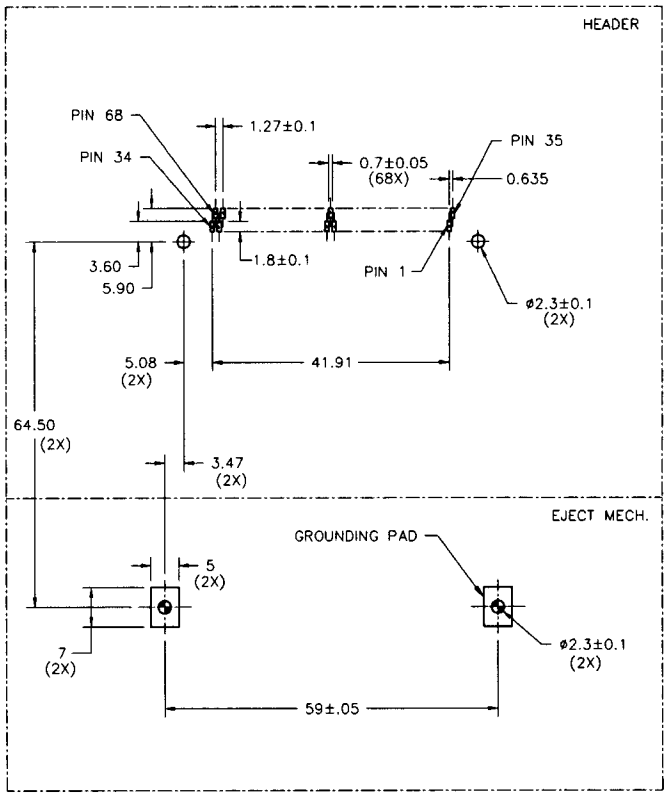
Surface Mount 2-Row

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 6 FIGURE B.

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	BERG ELECTRONICS
ltr	ecn no	dr	date	linear	.X ±.3			
A					.XX ±.13		projection	title: 3.3V EJECT HDR ASSY
					.XXX ±.051			
				angles	0° ±2°			
				dr	G.CLEMENS	10/13/99	mm	product family: MCS
				engr	D.BRANN	10/13/99		size: A4 dwg no: 98725
				chr	D.BRANN	10/13/99	scale 1:1	code: –
				appd	D.BRANN	10/13/99		sheet: 4 of 6
sheet index	revision sheet							

cage code 22526

form no. 7530-001-103

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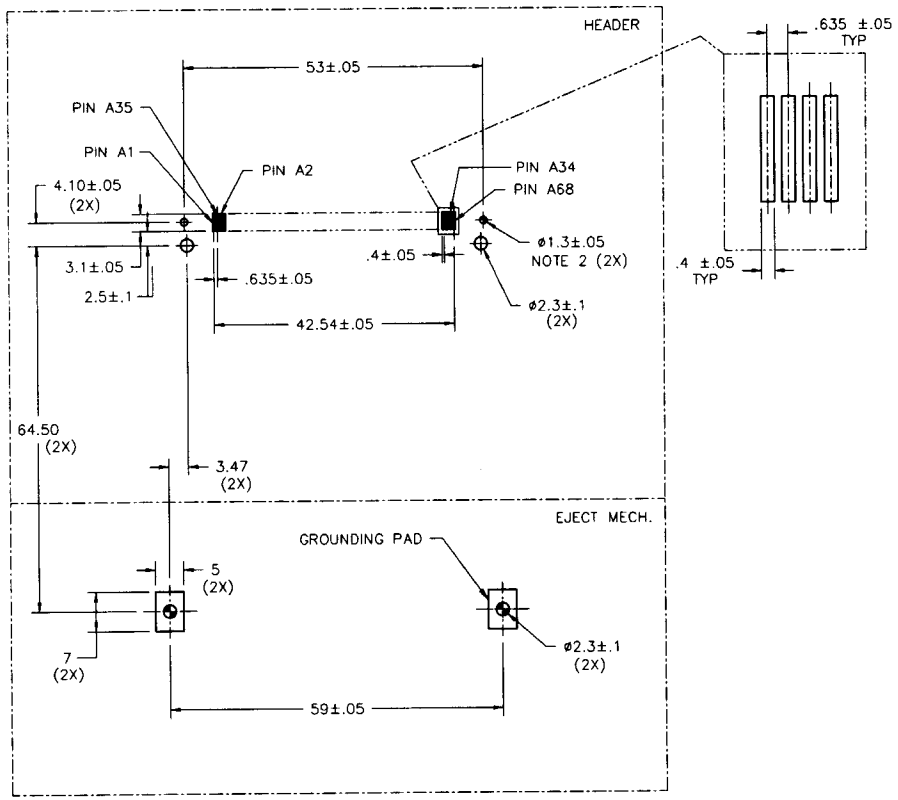
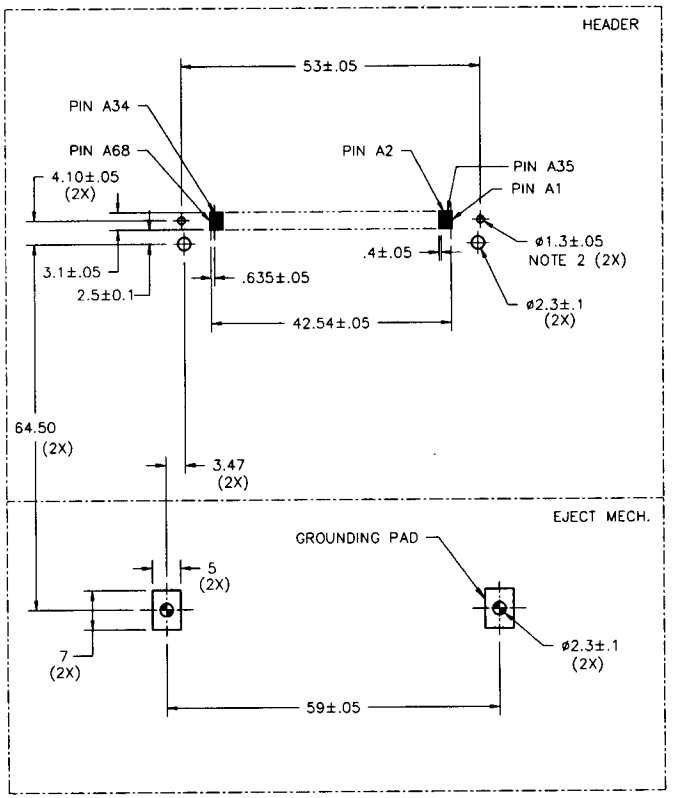
Surface Mount In-Line

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 6 FIGURE B.

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	BERG ELECTRONICS	
ltr	ecn no	dr	date	linear	.X ±.3		projection	title	3.3V EJECT HDR ASSY P.C.B. LAYOUT
A					.XX ±.13				
					.XXX ±.051				
				angles	0° ±2°				
				dr	G.CLEMENS	10/13/99	mm	product family MCS	code –
				engr	D.BRANN	10/13/99		size A4 dwg no 98725	sheet 5 of 6
				chr	D.BRANN	10/13/99	scale 1:1		
				appd	D.BRANN	10/13/99			
sheet index	revision sheet								

cage code 22526

form no. 7530-001-103

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Board Keep Out Zone
(NOT INCLUDING HEADER)

FIGURE "A"
KEEP OUT ZONE FOR STANDOFF VERSION

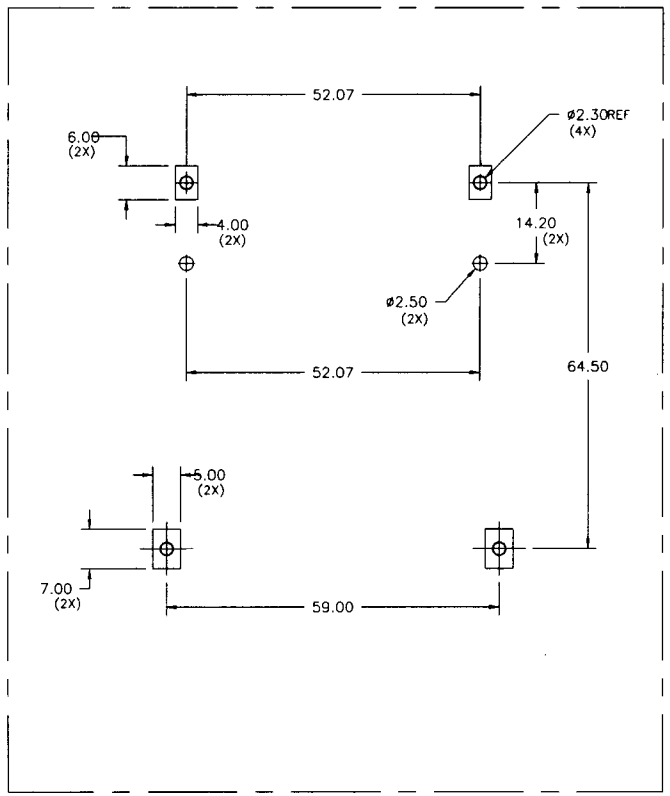
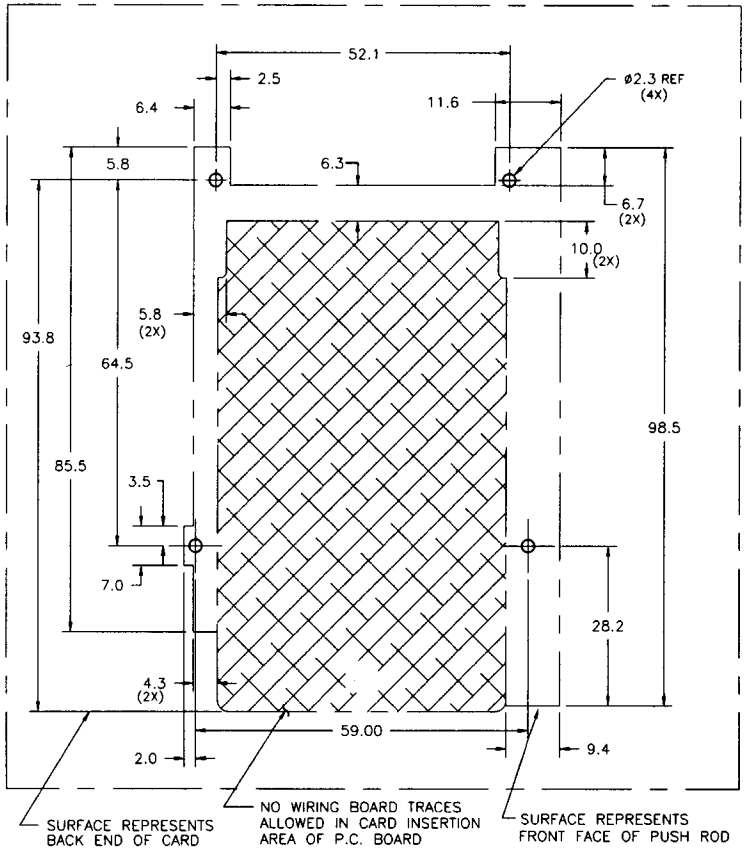


FIGURE "B" NOTE 1
KEEP OUT ZONE FOR NO STANDOFF VERSION
RIGHT HAND PUSHROD VERSION SHOWN
MIRROR IMAGE FOR LEFT HAND PUSHROD



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.

ltr	ecn no	dr	date
A			

mat'l. code		tolerances unless otherwise specified	CUSTOMER COPY
linear	.X ±.3		
	.XX ±.13	projection	title: 3.3V EJECT HEADER ASSY
	.XXX ±.051		
angles	0° ±2°		
dr	G.CLEMENS 10/13/99	mm	product family: MCS; code: –
engr	D.BRANN 10/13/99		size: A4; dwg no: 98725
chr	D.BRANN 10/13/99	scale 1:1	sheet: 6 of 6
appd	D.BRANN 10/13/99		
sheet index	revision sheet		cage code: 22526

form no. 7530-001-103

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