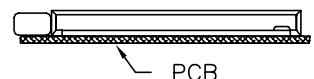
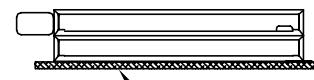


DESCRIPTION: ABOVE PCB, DECK AND PUSH ROD LOCATION ARE AS VIEW BY USER.

PRODUCT NO. 71299-XXXXXX	PUSH-ROD LOCATION	STAND-OFF HEIGHT	(A) HEADER ASSY 71249-XXXX OR 61519-XXXX	(B) MECHANISM ASSY 72336-XXXXXX	(C) MATING RECEPTACLE	MOUNTING STYLE TO PCB AND PUSH-ROD SIDE
000CA	RIGHT	0.0	0000	72336-000CA	100 POSITION (2X50) 0.8mm RECEPTACLE PART NO. 73277-101000 PURCHASE SEPARATELY	 <p>PCB</p>
020CA	RIGHT	2.2	0022	72336-022CA		
040CA	RIGHT	4.3	0043	72336-043CA		
050CA	RIGHT	5.0	0050	72336-050CA		
050FA (2)	RIGHT	5.0	0050	72336-050FA		
100CA	LEFT	0.0	0000	72336-100CA		 <p>PCB</p>
120CA	LEFT	2.2	0022	72336-122CA		
140CA	LEFT	4.3	0043	72336-143CA		
150CA	LEFT	5.0	0050	72336-150CA		
005CA	RIGHT	0.0	0500	72336-000CA		
025CA	RIGHT	0.0	0522	72336-000CA	 <p>PCB</p>	
045CA	RIGHT	0.0	0543	72336-000CA		
055CA	RIGHT	0.0	0550	72336-000CA		
105CA	LEFT	0.0	0500	72336-100CA		
125CA	LEFT	0.0	0522	72336-100CA		
145CA	LEFT	0.0	0543	72336-100CA	 <p>PCB</p>	
155CA	LEFT	0.0	0550	72336-100CA		

ORDERING INFORMATION

ORDER:

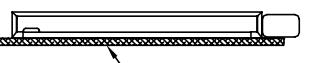
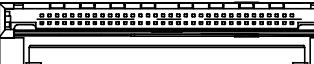
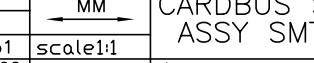
1. EJECT HEADER ASSY (71299-XXXXXX/XXXXLF)
2. MATING RECEPTACLE (73277-101000/101402LF)

NOTE:

1. SEE 71240 FOR DOUBLE-DECK APPLICATIONS.
2. PUSH BUTTON LENGTH IS 21mm FOR 71299-050FA & 71299-050FALF(LEAD-FREE TYPE)

mat'l. code				surface	tolerance	projection	product family
ltr	ecn	nd	dr	ISD 1302	ISD 406	ISD 110	title
L	V20120		RGD1/18/02	tolerances unless otherwise specified		scale 1:1	
M	V03-0552	WL	05/29/03	angles	.X±.3	MM	CARDBUS SINGLE DECK ASSY SMT TYPE 123
N	T04-0316	WL	07/12/04	linear	.XX±.13		
				±2°	.XXX±.051		
P	N05-0034	WB	02/16/05	dr	R.GRAPE	7/3/96	 <p>dwg no</p> <p>sheet 1 of 11</p> <p>size A4</p> <p>type CUSTOMER</p> <p>Drawing</p>
R	N08-0060	MZ	06/20/08	engr	D.BRANN	7/3/96	
S	ELX-N-011405	ZK	04/14/12	chr	D.BRANN	7/3/96	
				appd	D.BRANN	7/3/96	
sheet	revision	S	S	S	S	S	
index	sheet	1	2	3	4	5	

DESCRIPTION: ABOVE PCB, DECK AND PUSH ROD LOCATION ARE AS VIEW BY USER.

PRODUCT NO. 71299-XXXXX	PUSH-ROD LOCATION	STAND-OFF HEIGHT	(A) HEADER ASSY 71249-XXXX OR 61519-XXXX	(B) MECHANISM ASSY 72336-XXXXX	(C) MATING RECEPTACLE	MOUNTING STYLE TO PCB AND PUSH-ROD SIDE
000CALF	RIGHT	0.0	0000MLF	72336-000CA	100 POSITION (2X50) 0.8mm RECEPΤΑCLE PART NO. 73277-101000 OR 73277-101402LF PURCHASE SEPARATELY	
020CALF	RIGHT	2.2	0022MLF	72336-022CA		
040CALF	RIGHT	4.3	0043MLF	72336-043CA		
050CALF	RIGHT	5.0	0050MLF	72336-050CA		
050FALF ②	RIGHT	5.0	0050MLF	72336-050FA		
100CALF	LEFT	0.0	0000MLF	72336-100CA		
120CALF	LEFT	2.2	0022MLF	72336-122CA		
140CALF	LEFT	4.3	0043MLF	72336-143CA		
150CALF	LEFT	5.0	0050MLF	72336-150CA		
151CALF	LEFT	5.0	0050MLF	72336-151CA		
005CALF	RIGHT	0.0	0500MLF	72336-000CA		
025CALF	RIGHT	0.0	0522MLF	72336-000CA		
045CALF	RIGHT	0.0	0543MLF	72336-000CA		
055CALF	RIGHT	0.0	0550MLF	72336-000CA		
105CALF	LEFT	0.0	0500MLF	72336-100CA		
125CALF	LEFT	0.0	0522MLF	72336-100CA		
145CALF	LEFT	0.0	0543MLF	72336-100CA		
155CALF	LEFT	0.0	0550MLF	72336-100CA		
156CALF	LEFT	0.0	0550MLF	72336-101CA		

ORDERING INFORMATION

ORDER:

- EJECT HEADER ASSY (71299-XXXXX/XXXXXLF)
- MATING RECEPTACLE (73277-101000/101402LF)

NOTE:

- SEE 71240 FOR DOUBLE-DECK APPLICATIONS.
- PUSH BUTTON LENGTH IS 21mm FOR 71299-050FA & 71299-050FALF(LEAD-FREE TYPE)

mat'l. code				surface	tolerance	projection	product family
ltr	ecn	no	dr	ISD 1302	ISD 406	ISD 110	
s				tolerances unless otherwise specified			
				angles	.X±.3		
				linear	.XX±.13	MM	
				±2°	.XXX±.051	scale 1:1	
			dr	R.GRAPE	7/3/96		
			engr	D.BRANN	7/3/96		CARDBUS SINGLE DECK
			chr	D.BRANN	7/3/96		ASSY SMT TYPE 123
			appd	D.BRANN	7/3/96		
			sheet				
			revision				
			index				
			sheet				

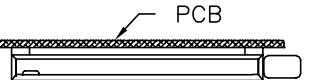
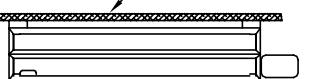
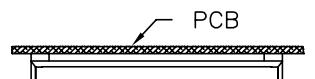


71299

A4

type CUSTOMER Drawing

DESCRIPTION: BELOW PCB, DECK AND PUSH ROD LOCATION ARE AS VIEWED BY USER

PRODUCT NO. 71299-XXXXX	PUSH-ROD LOCATION	STAND-OFF HEIGHT	Ⓐ HEADER ASSY 71249-XXXX	Ⓑ MECHANISM ASSY 72337-XXXX	Ⓒ MATING RECEPTACLE	MOUNTING STYLE TO PCB AND PUSH-ROD SIDE
520CA	RIGHT	2.2	5022	72337-122CA	100 POSITION (2X50) 0.8mm RECEPTACLE PART NO. 73277-101000 73277-101402LF	
540CA	RIGHT	4.3	5043	72337-143CA		
550CA	RIGHT	5.0	5050	72337-150CA		
520CALF	RIGHT	2.2	5022LF	72337-122CA		
540CALF	RIGHT	4.3	5043LF	72337-143CA		
550CALF	RIGHT	5.0	5050LF	72337-150CA		
620CA	LEFT	2.2	5022	72337-022CA		
640CA	LEFT	4.3	5043	72337-043CA		
650CA	LEFT	5.0	5050	72337-050CA		
620CALF	LEFT	2.2	5022LF	72337-022CA		
640CALF	LEFT	4.3	5043LF	72337-043CA		
650CALF	LEFT	5.0	5050LF	72337-050CA		
525CA	RIGHT	0.0	5522	72337-100CA		
545CA	RIGHT	0.0	5543	72337-100CA		
555CA	RIGHT	0.0	5550	72337-100CA		
① 555DA	RIGHT	0.0	5550	72337-100DA		
525CALF	RIGHT	0.0	5522LF	72337-100CA		
545CALF	RIGHT	0.0	5543LF	72337-100CA		
555CALF	RIGHT	0.0	5550LF	72337-100CA		
① 555DALF	RIGHT	0.0	5550LF	72337-100DA		
625CA	LEFT	0.0	5522	72337-000CA		
645CA	LEFT	0.0	5543	72337-000CA		
655CA	LEFT	0.0	5550	72337-000CA		
625CALF	LEFT	0.0	5522LF	72337-000CA		
645CALF	LEFT	0.0	5543LF	72337-000CA		
655CALF	LEFT	0.0	5550LF	72337-000CA		

ORDERING INFORMATION

ORDER:

1. EJECT HEADER ASSY (71299-XXXXX/XXXXLF)
2. MATING RECEPTACLE (73277-101000/101402LF)

NOTES:

- ① 555DA HAS 15.6mm PUSH BUTTON RETURN LENGTH INSTEAD OF 13.0mm.
2. BELOW P.C.B., 0.0mm STAND-OFF IS NOT AVAILABLE.

mat'l. code				surface	tolerance	projection	product family
ltr	ecn	no	dr	ISD 1302	ISD 406	ISD 110	
s				tolerances unless otherwise specified			
				angles	.X±.3		
				linear	.XX±.13		
				±2°	.XXX±.051		
						scale 1:1	
			dr	R.GRAPE	7/3/96		
			engr	D.BRANN	7/3/96		
			chr	D.BRANN	7/3/96		
			appd	D.BRANN	7/3/96		
			sheet	revision			
			index	sheet			



71299

A4

type CUSTOMER Drawing

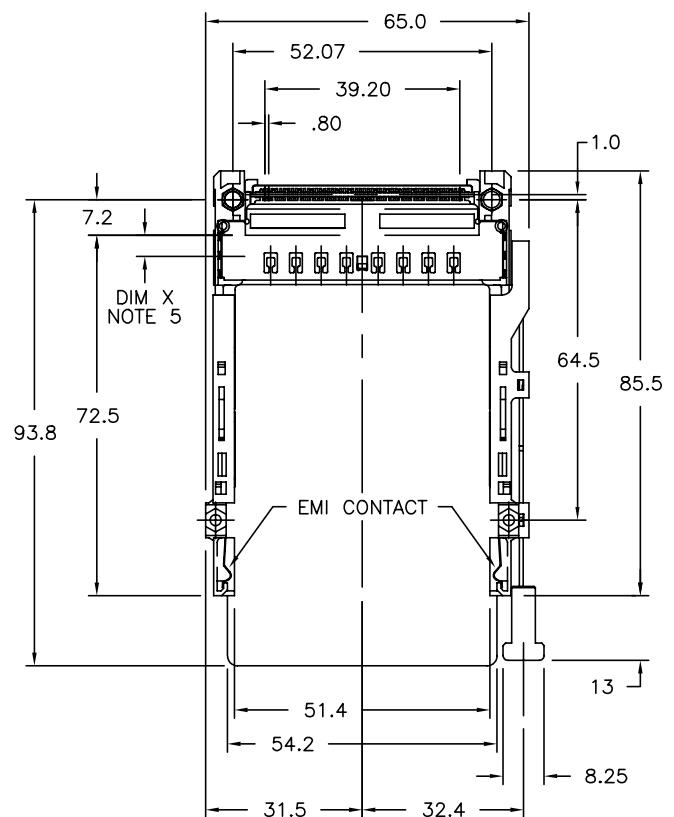
PRODUCT NUMBER	
71299-***** /*****LF	

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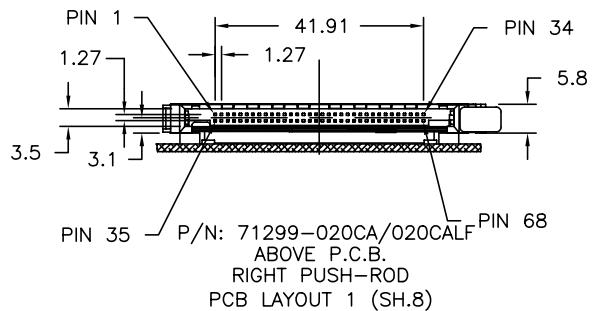
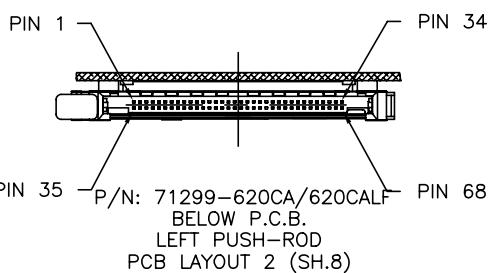
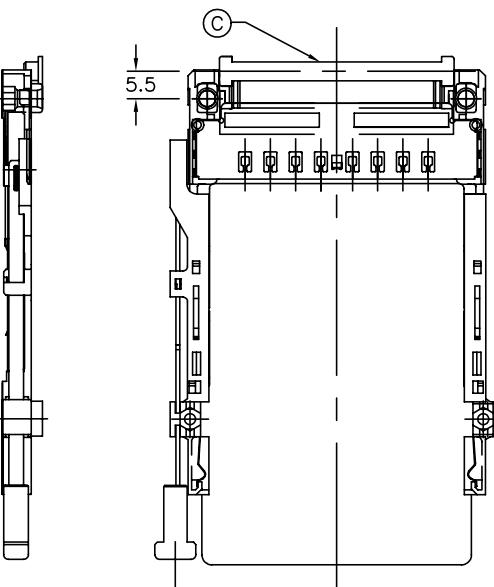
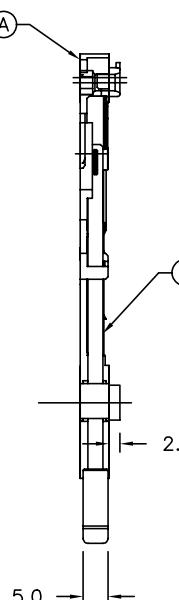
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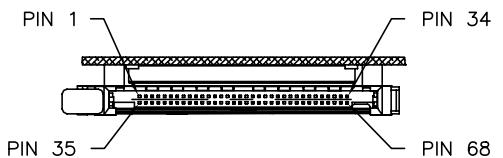
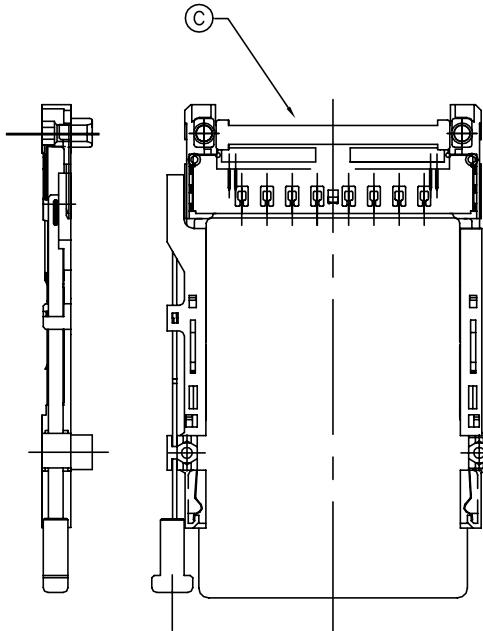
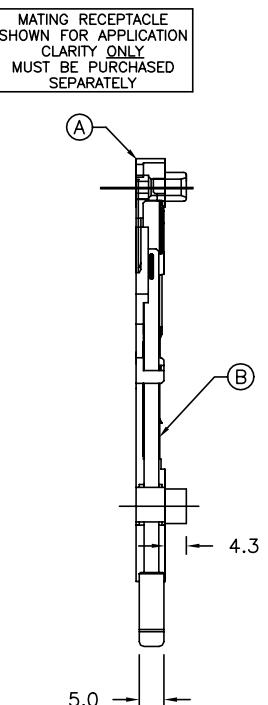
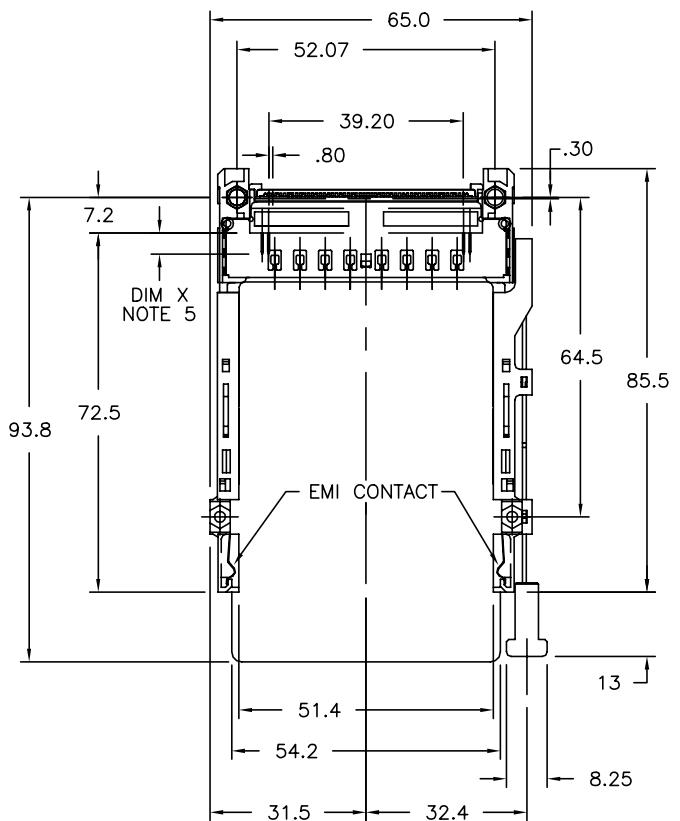
MATING RECEPTACLE
SHOWN FOR APPLICATION
CLARITY ONLY
MUST BE PURCHASED
SEPARATELY



mat'l. code				surface	tolerance	projection	product family
ltr	ecn	no	dr	ISD 1302	ISD 406	ISD 110	
S				tolerances unless otherwise specified			
				angles	.X±.3		
				linear	.XX±.13		
				±2°	.XXX±.051		
			dr	R.GRAPE	7/3/96	scale 1:1	
			engr	D.BRANN	7/3/96		CARDBUS SINGLE DECK
			chr	D.BRANN	7/3/96		ASSY SMT TYPE 123
			appd	D.BRANN	7/3/96		
sheet		revision		dwg no			
index		sheet		71299			
D				A4			
Form: A3				Drawing			

PRODUCT NUMBER
71299-*****/*****LF

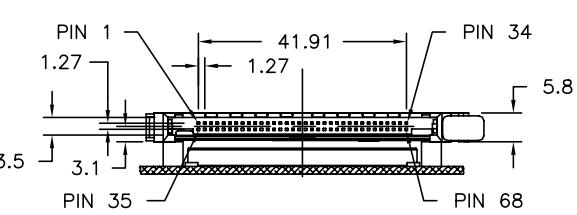
1.27
1.27
41.91
5.8
3.5
3.1
PIN 1
PIN 34
PIN 35
PIN 68
P/N: 71299-040CA/040CALF
ABOVE P.C.B.
RIGHT PUSH-ROD
PCB LAYOUT 3 (SH.9)



P/N: 71299-640CA/640CALF
BELOW P.C.B.
LEFT PUSH-ROD
PCB LAYOUT 4 (SH.9)

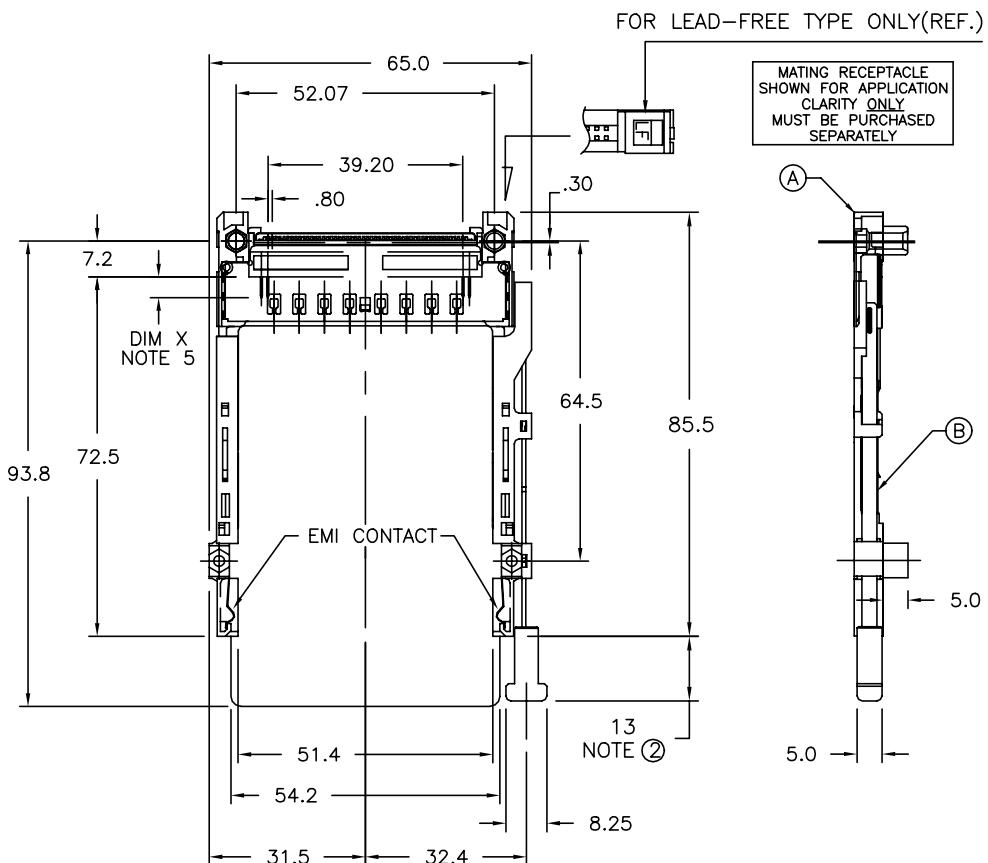
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ltr	ecn no	dr	date	ISO 1302	ISO 406	ISO 1101	
S				tolerances unless otherwise specified	.X±.3	MM	
				angles	.XX±.13		
				linear	±2°	.XXX±.051	scale 1:1
				dr	R.GRAPE	7/3/96	
				engr	D.BRANN	7/3/96	
				Chr	D.BRANN	7/3/96	
				oppo	D.BRANN	7/3/96	
sheet index		revision sheet		dwg no			
				71299			
type		CUSTOMER		size			
Drawing							

PRODUCT NUMBER
71299-*****/*****LF

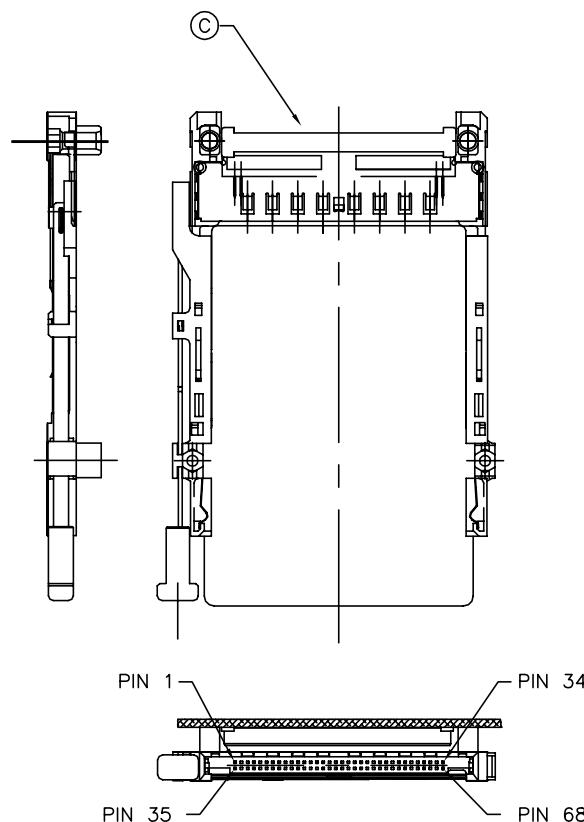
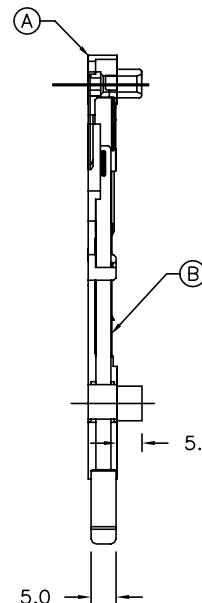


P/N: 71299-050FA/-050FALF
(NOTE ②)

P/N: 71299-050CA/-050CALF
ABOVE P.C.B.
RIGHT PUSH-ROD
PCB LAYOUT 3 (SH.9)



MATING RECEPTACLE
SHOWN FOR APPLICATION
CLARITY ONLY
MUST BE PURCHASED
SEPARATELY

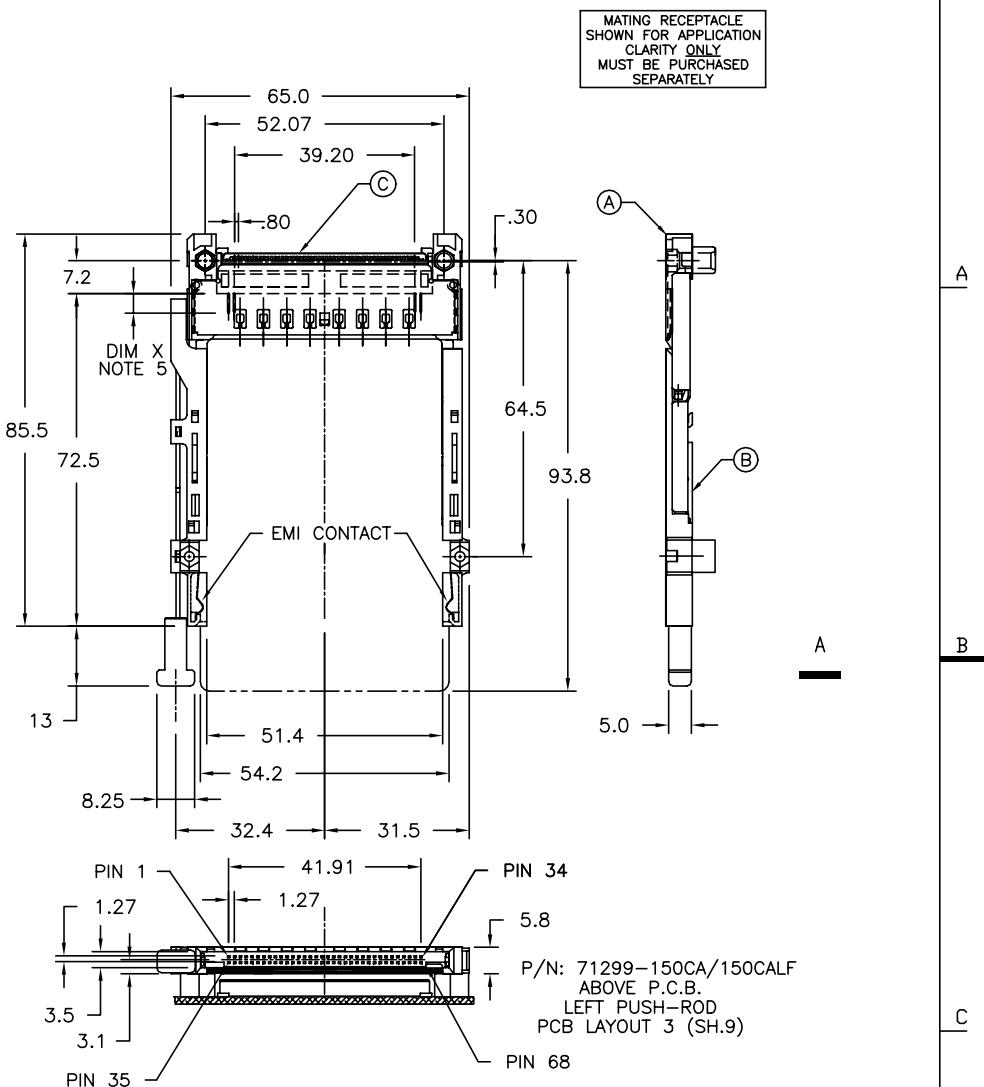
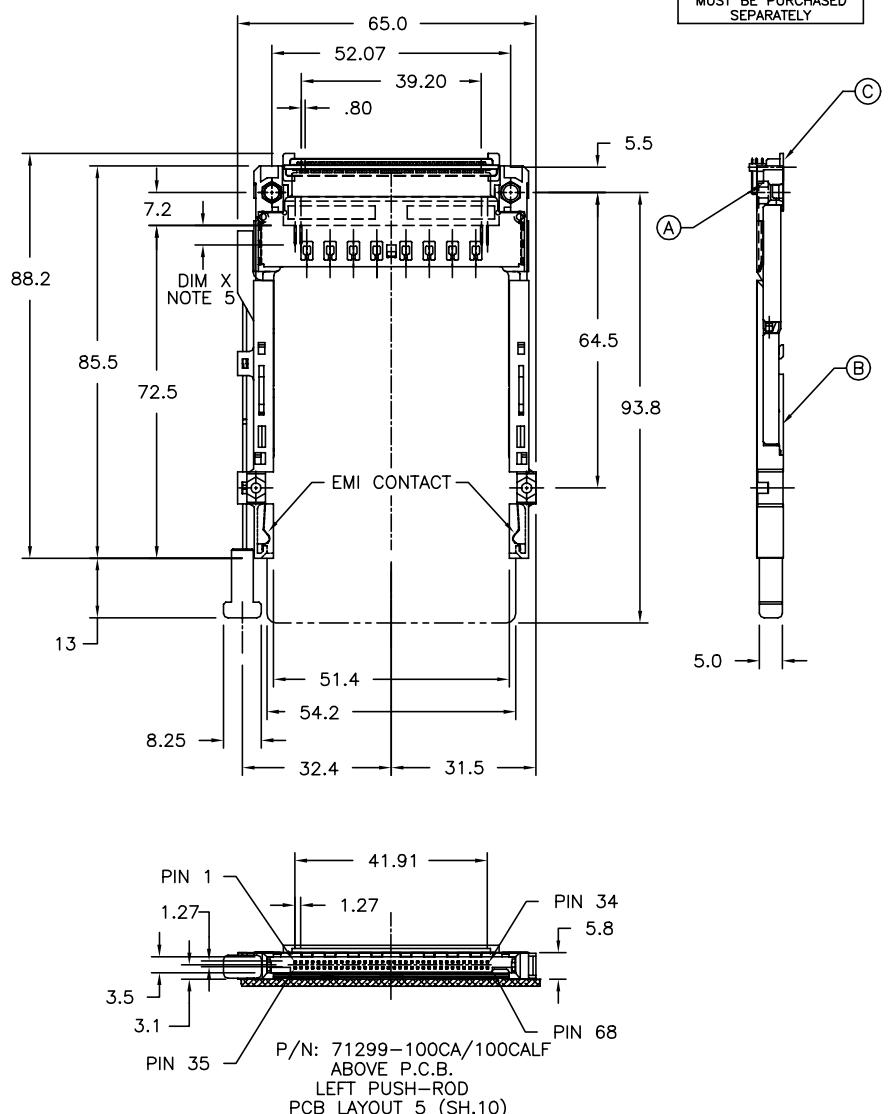


P/N: 71299-650CA
BELOW P.C.B.
LEFT PUSH-ROD
PCB LAYOUT 4 (SH.9)

mat'l. code				surface	tolerance	projection	product family
ltr	ecn no	dr	date	ISO 1302	ISO 406	ISO 1101	
S				tolerances unless otherwise specified	.X±.3		
				angles	Linear .XX±.13		
					±2°		
					.XXX±.051		
		dr	R.GRAPE	7/3/96			
		engr	D.BRANN	7/3/96			
		chr	D.BRANN	7/3/96			
		oppo	D.BRANN	7/3/96			
sheet		revision					
index		sheet					

dwg no sheet 6 of 1 size A4
type CUSTOMER Drawing
FCI

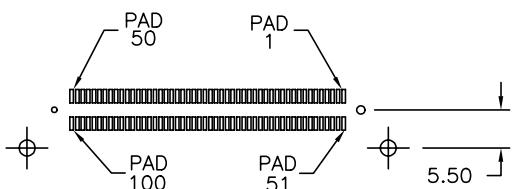
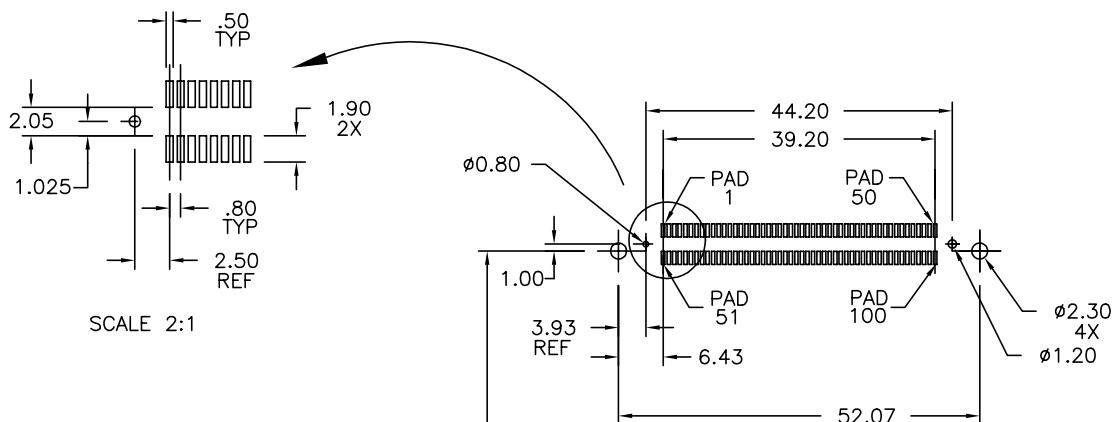
PRODUCT NUMBER
71299-*****/*****LF



mat'l. code		surface	tolerance	projection	product family			
ltr	ecn	no	dr	date	ISD 1302	ISD 406	ISD 110	
S					.X±.3			
					Linear	.XX±.13		
					±2°	.XXX±.051		
			dr	R.GRAPE	7/3/96			
			engr	D.BRANN	7/3/96			
			chr	D.BRANN	7/3/96			
			appd	D.BRANN	7/3/96			
sheet		revision						
index		sheet						

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P.C.B. LAYOUT FOR 2.2mm STANDOFF



P.C.B.
LAYOUT 1
ABOVE PCB
AS ASSEMBLED

P.C.B.
LAYOUT 2
BELOW PCB
AS ASSEMBLED

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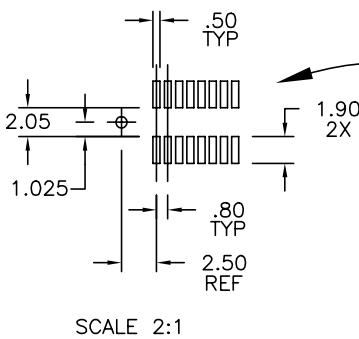
mat'l. code				surface	tolerance	projection	product family
ltr	ecn	no	dr	ISD 1302	ISD 406	ISD 110	title
S				tolerances unless otherwise specified			CARDBUS SINGLE DECK ASSY SMT TYPE 123
				angles	.X±.3		
				linear	.XX±.13	MM	
				±2°	.XXX±.051	scale 1:1	
			dr	R.GRAPE	7/3/96		
			engr	D.BRANN	7/3/96		
			chr	D.BRANN	7/3/96		
			appd	D.BRANN	7/3/96		
			sheet	revision			
			index	sheet			



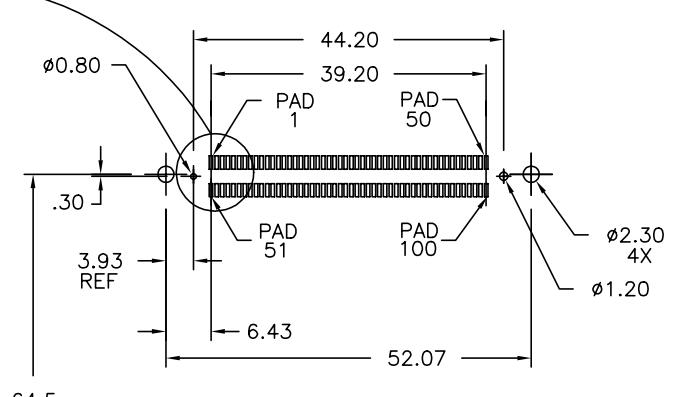
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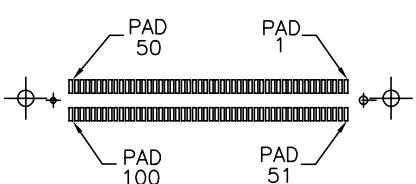
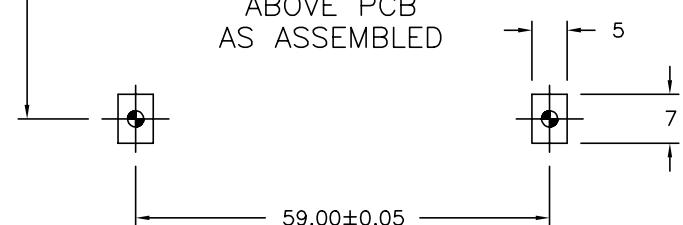
P.C.B. LAYOUT FOR 4.3 AND 5.0mm STANDOFFS



SCALE 2:1



P.C.B.
LAYOUT 3
ABOVE PCB
AS ASSEMBLED



P.C.B.
LAYOUT 4
BELOW PCB
AS ASSEMBLED



mat'l. code				surface	tolerance	projection	product family
ltr	ecn	no	dr	ISD 1302	ISD 406	ISD 110	
S				tolerances unless otherwise specified			
				angles	.X±.3		
				linear	.XX±.13		
				±2°	.XXX±.051		
						scale 1:1	
				dr	R.GRAPE	7/3/96	
				engr	D.BRANN	7/3/96	
				chr	D.BRANN	7/3/96	
				appd	D.BRANN	7/3/96	
				sheet	revision		
				index	sheet		



71299

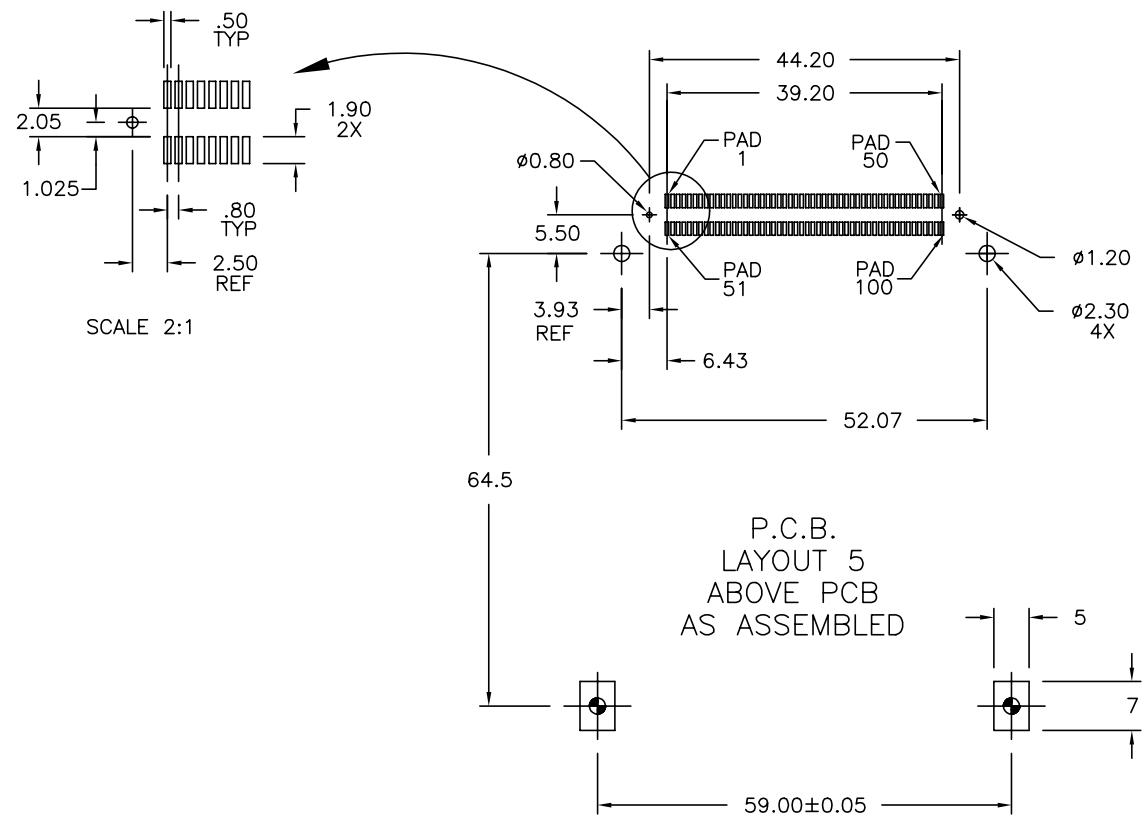
A4

type CUSTOMER Drawing

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P.C.B. LAYOUT FOR 0mm STANDOFF



mat'l. code				surface	tolerance	projection	product family
ltr	ecn	no	dr	ISD 1302	ISD 406	ISD 110	title
S				tolerances unless otherwise specified			CARDBUS SINGLE DECK
				angles	.X±.3		ASSY SMT TYPE 123
				linear	.XX±.13		
				±2°	.XXX±.051	scale 1:1	
			dr	R.GRAPE	7/3/96		
			engr	D.BRANN	7/3/96		
			chr	D.BRANN	7/3/96		
			appd	D.BRANN	7/3/96		
sheet		revision					
index		sheet					



HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE
1	GND	1
2	SIG	2
3	SIG	3
4	SIG	5
5	SIG	6
6	SIG	8
7	SIG	9
8	SIG	11
9	SIG	12
10	SIG	14
11	SIG	15
12	SIG	17
13	SIG	18
14	SIG	20
15	SIG	21
16	SIG	23
17	PWR	24
18	SIG	27
19	SIG	28
20	SIG	30
21	SIG	31
22	SIG	33
23	SIG	34
24	SIG	36
25	SIG	37
26	SIG	39
27	SIG	40
28	SIG	42
29	SIG	43
30	SIG	45
31	SIG	46
32	SIG	48
33	SIG	49
34	GND	50

HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE	SHIELD PINOUT	TYPE	BTB 100 POS RECEPTACLE
35	GND	51	1	GND	4 & 54
36	DET	52	2	GND	7 & 57
37	SIG	53	3	GND	10 & 60
38	SIG	55	4	GND	13 & 63
39	SIG	56	5	GND	16 & 66
40	SIG	58	6	GND	19 & 69
41	SIG	59	7	GND	22 & 72
42	SIG	61	8	GND	25 & 75
43	SIG	62	9	GND	26 & 76
44	SIG	64	10	GND	29 & 79
45	SIG	65	11	GND	32 & 82
46	SIG	67	12	GND	35 & 85
47	SIG	68	13	GND	38 & 88
48	SIG	70	14	GND	41 & 91
49	SIG	71	15	GND	44 & 94
50	SIG	73	16	GND	47 & 97
51	PWR	74			
52	SIG	77			
53	SIG	78			
54	SIG	80			
55	SIG	81			
56	SIG	83			
57	SIG	84			
58	SIG	86			
59	SIG	87			
60	SIG	89			
61	SIG	90			
62	SIG	92			
63	SIG	93			
64	SIG	95			
65	SIG	96			
66	SIG	98			
67	DET	99			
68	GND	100			

OTES:
8mm MIN CARD EJECT.
EJECT TRAVEL: 9.5mm
MATERIAL:
3.1 HEADER ASSY:
PLASTIC HOUSING: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK – ABOVE PCB
HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK – BELOW PCB
PIN: PHOSPHOR BRONZE
PCB: FR4
3.2 EJECT MECHANISM ASSY:
PLASTIC GUIDE: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
PLASTIC PUSH-ROD BUTTON: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
COVER PLATE, LINK ARM,
PUSH ROD: STAINLESS STEEL
EMI CONTACT: PHOSPHOR BRONZE
3.3 .8 BTB RECEPTACLE: 73277-101000
PLASTIC: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
CONTACT: BeCu
FINISH (PIN)
UNDER PLATING: 0.5um MIN Ni
CONTACT AREA: 0.076 μ m MIN. GOLD
SOLDER TAIL(TIN LEAD OPTION): 2.5umMIN Sn-Pb
SOLDER TAIL(LEAD FREE OPTION): 2.5umMIN PURE TIN
DIM "X"

4.25 \pm 0.1	3.5 \pm 0.1	5.0 \pm 0.1
OTHERS	36,67	1,17,34,35,51,68

RECOMMENDED SCREW TORQUE: 1.0 TO
1.5 MAX in-lbs. (1.2–1.7 cm-kgs).
RECOMMENDED HOLD-DOWN 2mm SCREWS (95121)
AND HEX NUTS (92869-001).
GS-14-920 SPEC. SHOULD BE APPLIED LEAD FREE P/N.
IF LEAD FREE P/N. THE HOUSING WILL WITHSTAND EXPOSURE
TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER
APPLICATION WITH A 1.00MM MINIMUM THICK CIRCUIT BOARD.
IF LEAD FREE P/N. THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES
AND OTHER COUNTRY REGULATIONS AS DISCRIBLED IN GS-22-008
PRODUCT SPFC:110-263

mat'l. code				surface ISO 1302	tolerance ISO 406	projection ISO 1101	product family
tr	ecn	no	dr	date	tolerances unless otherwise specified	title	
S					.X±.3	MM	CARDBUS SINGLE DECK
					angles linear .XX±.13		ASSY SMT TYPE 123
					±2°	scale 1:1	
			dr	R.GRAPE	7/3/96		
			engr	D.BRANN	7/3/96		dwg no
			chr	D.BRANN	7/3/96		sheet 1 of 1
			appd	D.BRANN	7/3/96		size
						71299	A4
sheet	revision					type	CUSTOMER
index	sheet						Drawing