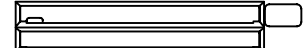
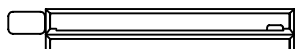
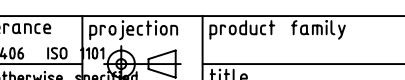
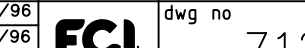
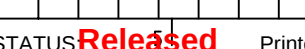


DESCRIPTION: ABOVE PCB, DECK AND PUSH ROD LOCATION ARE AS VIEW BY USER.

PRODUCT NO. 71299-XXXXX	PUSH-ROD LOCATION	STAND-OFF HEIGHT	① HEADER ASSY 71249-XXXX OR 61519-XXXX	② MECHANISM ASSY 72336-XXXXX	③ MATING RECEPTACLE	MOUNTING STYLE TO PCB AND PUSH-ROD SIDE
000CALF	RIGHT	0.0	0000MLF	72336-000CA	100 POSITION (2X50) 0.8mm RECEPTACLE 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	52219-150HAM		
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	52219-100HAM		

ORDERING INFORMATION

ORDER:

- EJECT HEADER ASSY (71299-XXXXX/XXXXLXF)
- 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 ISO 1302		tolerance ISO 406 ISO 1101		projection MM		product family	
ltr	ecn no	dr	date	tolerances unless otherwise specified		linear		scale:1:1		title	
R				angles		.X±.3				CARDBUS SINGLE DECK	
				±2'		.XX±.13				ASSY SMT TYPE 123	
						.XXX±.051				dwg no	
				dr		R.GRAPE		7/3/96		sheet 2 of 11	
				enrg		D.BRANN		7/3/96		size	
				chr		D.BRANN		7/3/96		A4	
				appd		D.BRANN		7/3/96		type	
sheet		revision								CUSTOMER	
index		sheet								Drawing	

PDM: Rev:R

STATUS: Released

Printed: Oct 12, 2010

6

D

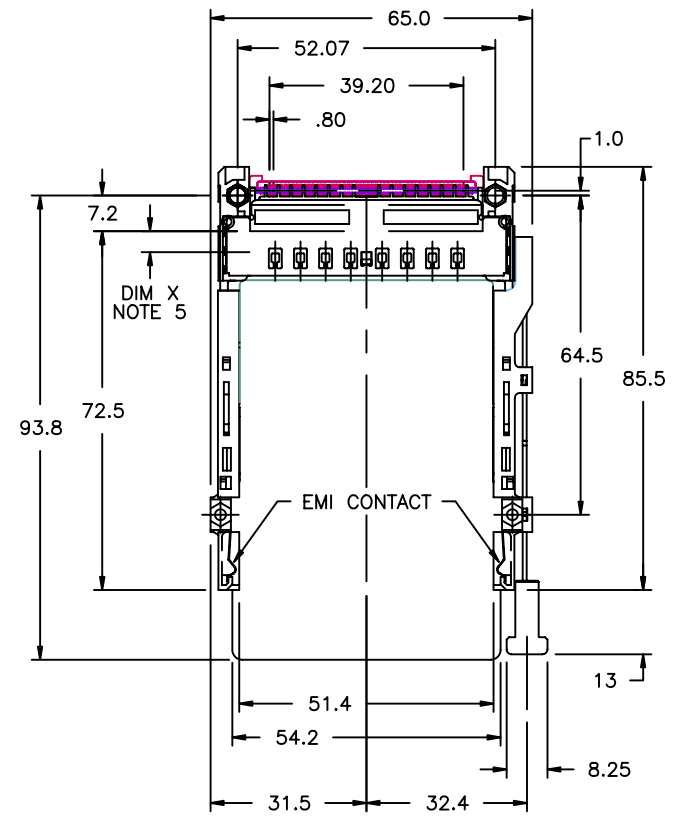
10

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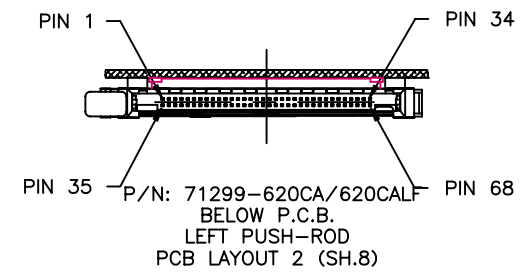
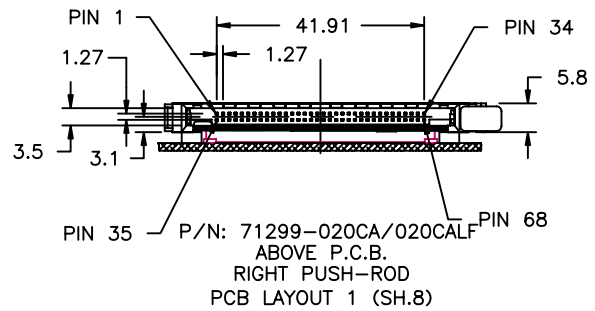
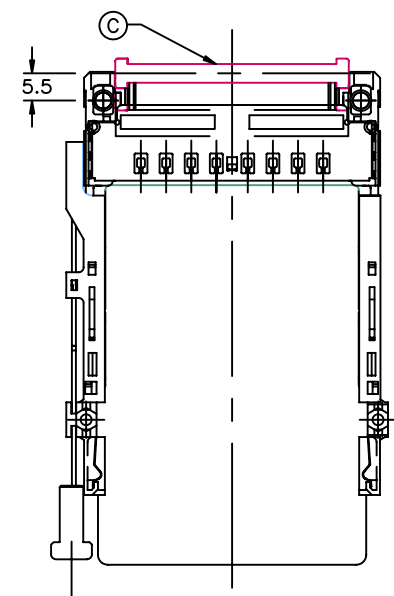
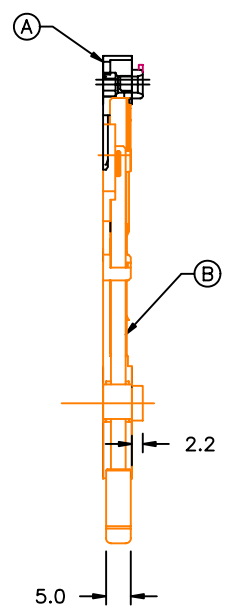
FCI
fciconnect.com

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



MATING RECEPTACLE
SHOWN FOR APPLICATION
CLARITY ONLY
MUST BE PURCHASED
SEPARATELY



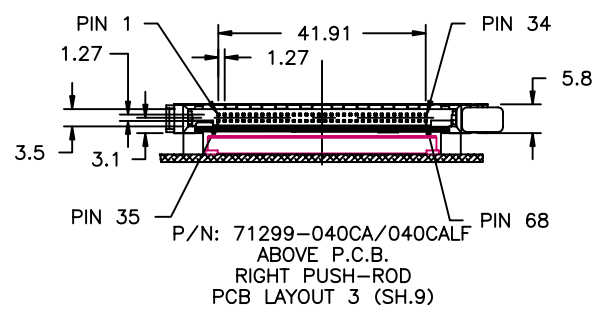
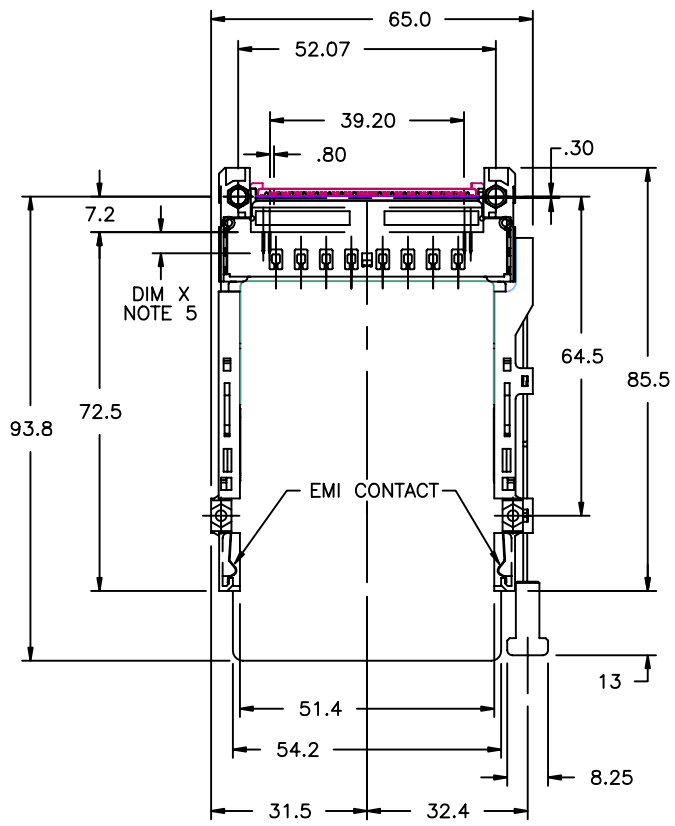
mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406 ISO 1101					
ltr	ecm no	dr	date	tolerances unless otherwise specified			title			
R				angles	linear	$.X \pm .3$ $.XX \pm .13$ $.XXX \pm .051$	CARDBUS SINGLE DECK ASSY SMT TYPE 123			
				$\pm 2^\circ$		scale:1:1				
				dr	R.GRAPE	7/3/96	dwg no			
				enr	D.BRANN	7/3/96	71299			
				chr	D.BRANN	7/3/96	sheet 4 of 11 size			
				appd	D.BRANN	7/3/96	A4			
sheet		revision					type			
index		sheet					CUSTOMER Drawing			

FCI CONFIDENTIAL

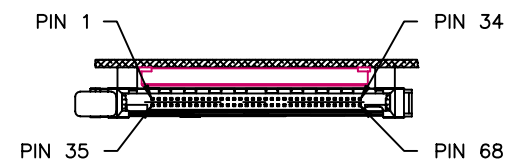
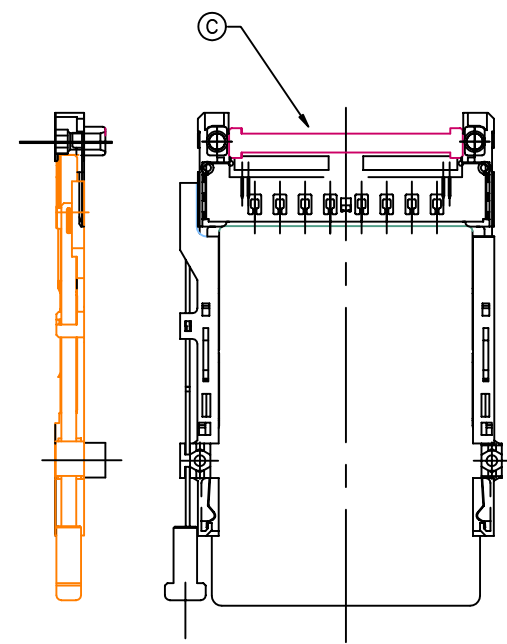
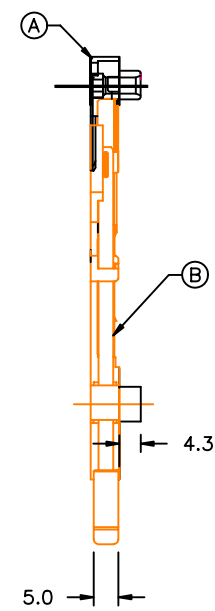


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PRODUCT NUMBER
71299-*****/****LF



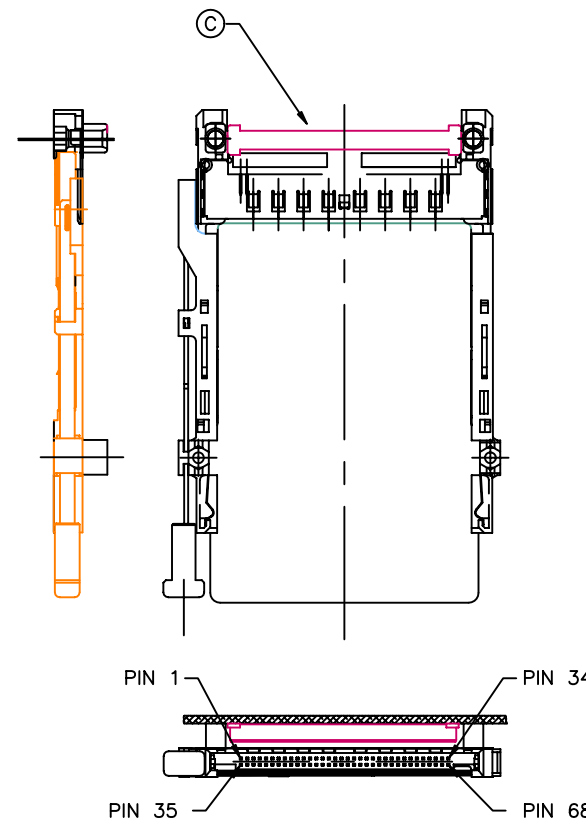
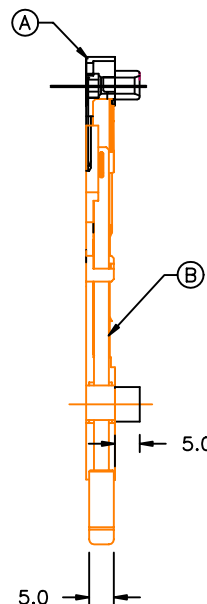
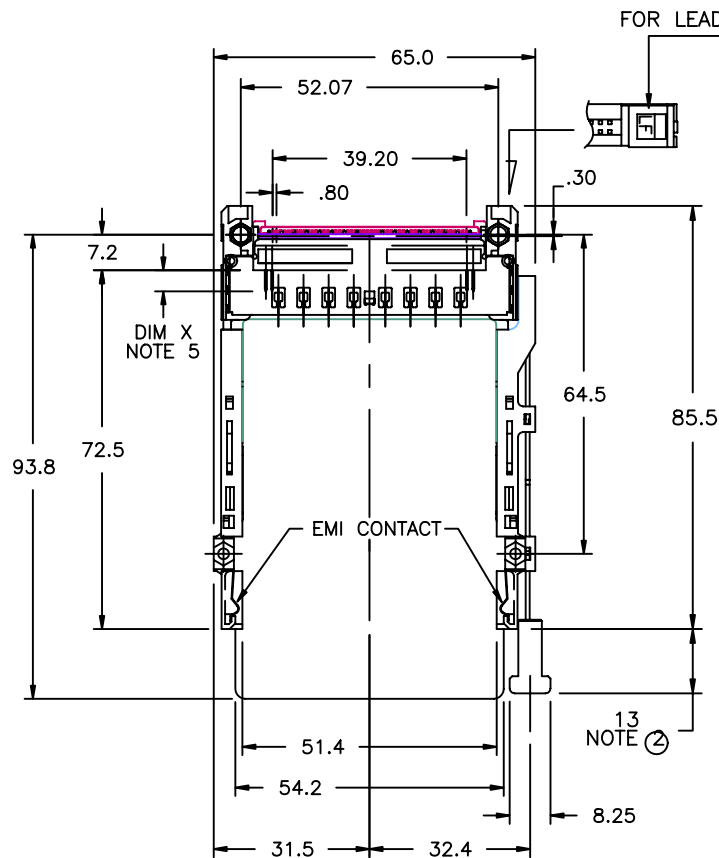
MATING RECEPTACLE SHOWN FOR APPLICATION CLARITY ONLY MUST BE PURCHASED SEPARATELY



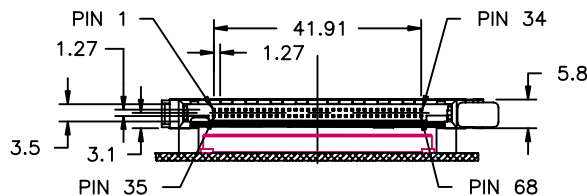
P/N: 71299-640CA/640CALF
BELOW P.C.B.
LEFT PUSH-ROD
PCB LAYOUT 4 (SH.9)

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family			
ltr	ecm no	dr	date	tolerances unless otherwise specified			title			
R				angles	linear	MM	CARDBUS SINGLE DECK ASSY SMT TYPE 123			
				±2°	.X±.3 .XX±.13 .XXX±.051	scale:1:1	dwg no 71299 sheet 5 of 11 size A4			
				dr	R.GRAPE	7/3/96	type CUSTOMER Drawing			
				enr	D.BRANN	7/3/96				
				chr	D.BRANN	7/3/96				
				appd	D.BRANN	7/3/96				
sheet index	revision sheet									

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



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



P/N: 71299-050FA/-050FALF
(NOTE ②)

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

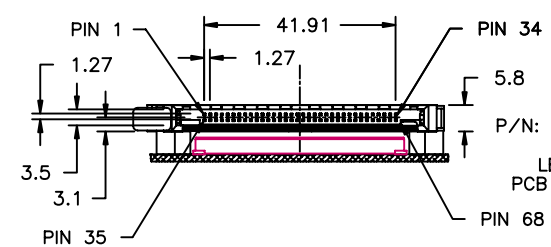
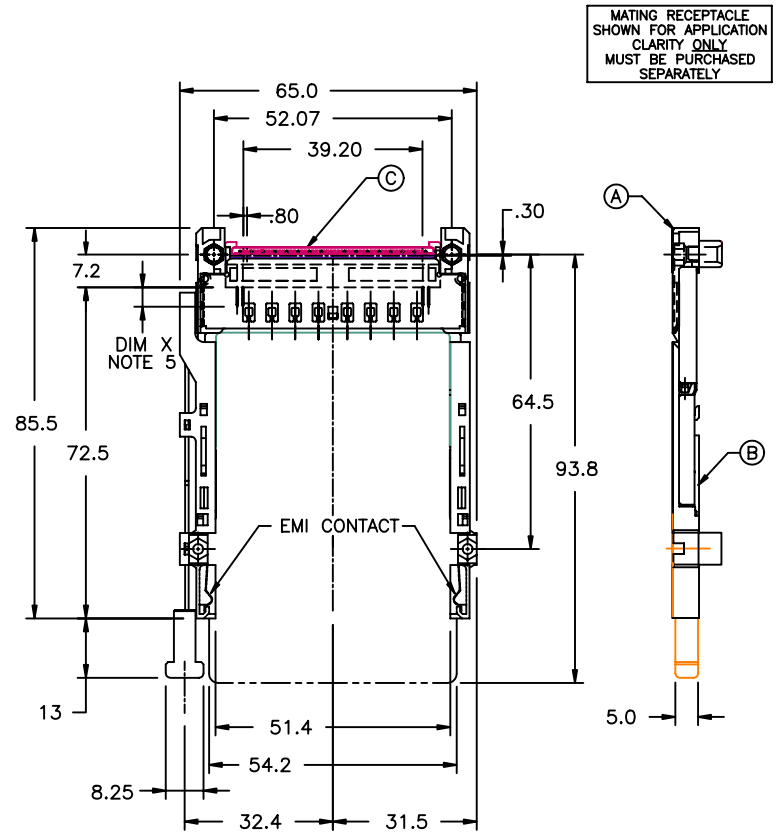
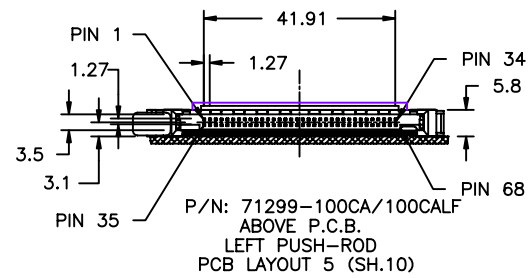
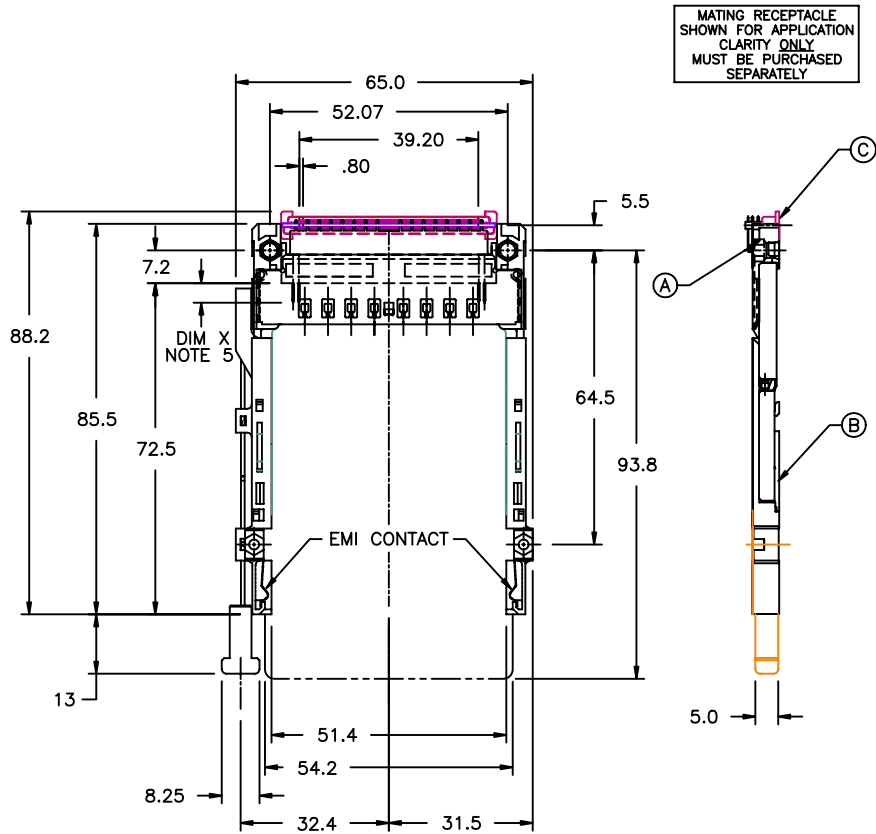
mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified		 MM	title CARDBUS SINGLE DECK ASSY SMT TYPE 123
R				angles	.X±.3		
				linear	.XX±.13		
				±2°	.XXX±.051		
				dr	R.GRAPE	7/3/96	dwg no 71299 sheet 6 of 11 size A4
				enr	D.BRANN	7/3/96	
				chr	D.BRANN	7/3/96	
				appd	D.BRANN	7/3/96	
sheet index	revision sheet						type CUSTOMER Drawing

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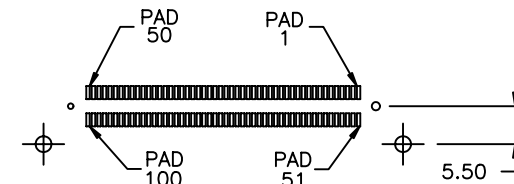
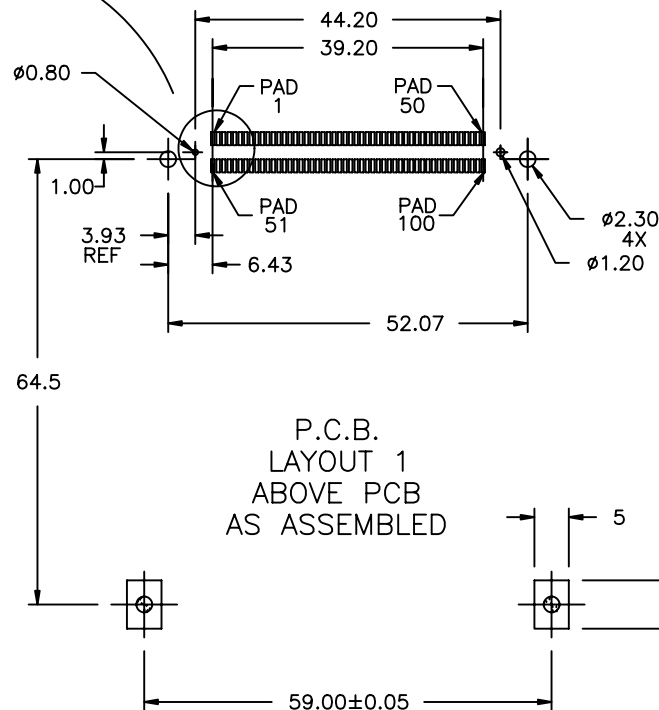
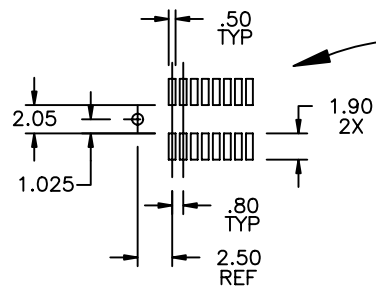
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PRODUCT NUMBER
71299-*****/****LF



mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406 ISO 1101					
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
R				angles	linear	$.X \pm .3$				
						$.XX \pm .13$				
				$\pm 2^\circ$		$.XXX \pm .051$	scale:1:1			
				dr	R.GRAPE	7/3/96				
				enr	D.BRANN	7/3/96				
				chr	D.BRANN	7/3/96				
				appd	D.BRANN	7/3/96				
sheet	revision						dwg no			
index	sheet						71299			
								sheet 7 of 11		
								size A4		
								type CUSTOMER Drawing		

P.C.B. LAYOUT FOR 2.2mm STANDOFF



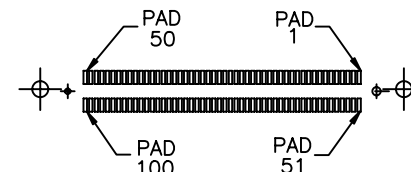
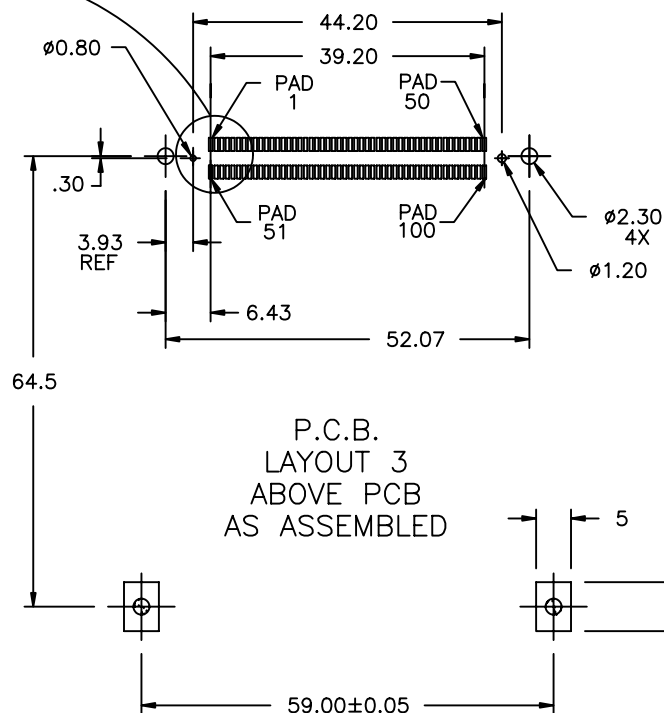
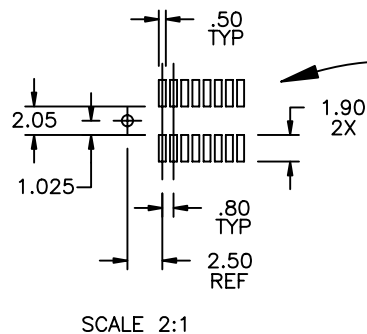
P.C.B.
LAYOUT 1
ABOVE PCB
AS ASSEMBLED

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

mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406 ISO 1101					
ltr	ecm no	dr	date	tolerances unless otherwise specified			title			
R				angles	linear		CARDBUS SINGLE DECK ASSY SMT TYPE 123			
				±2°		scale:1:1				
				dr	R.GRAPE	7/3/96				
				enr	D.BRANN	7/3/96				
				chr	D.BRANN	7/3/96				
				appd	D.BRANN	7/3/96				
sheet	revision									
index	sheet									



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

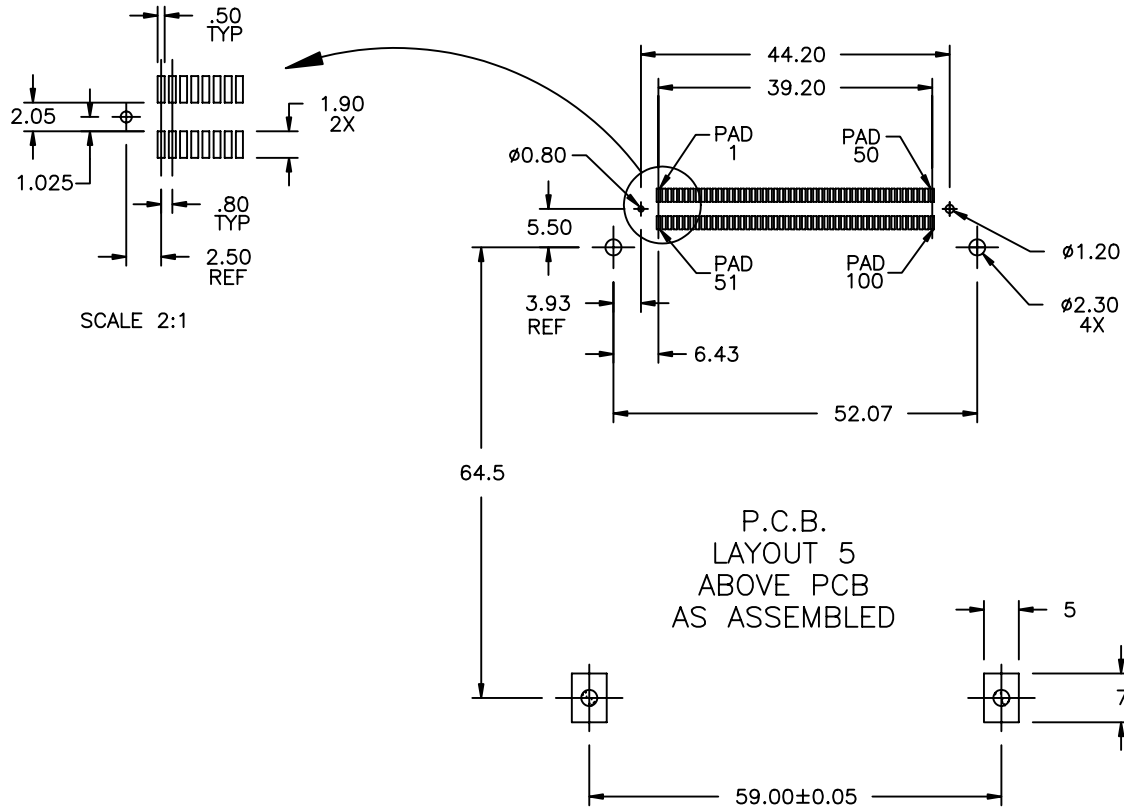


P.C.B.
LAYOUT 3
ABOVE PCB
AS ASSEMBLED

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

mat'l. code				surface		tolerance		projection		product family					
				ISO 1302		ISO 406 ISO 1101									
ltr		ecm no		dr		date		tolerances unless otherwise specified		title					
R								angles		CARDBUS SINGLE DECK ASSY SMT TYPE 123					
								linear						.X±.3	
														.XX±.13	
								±2°		.XXX±.051		MM			
										scale:1:1					
						dr		R.GRAPE		7/3/96		dwg no			
						engr		D.BRANN		7/3/96		sheet 9 of 11			
						chr		D.BRANN		7/3/96		size			
						appd		D.BRANN		7/3/96		A			
												type			
sheet		revision										CUSTOMER			
index		sheet										Drawing			

P.C.B. LAYOUT FOR 0mm STANDOFF



mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family			
ltr	ecm no	dr	date	tolerances unless otherwise specified				 scale:1:1		title			
R				angles	linear	.X±.3				CARDBUS SINGLE DECK ASSY SMT TYPE 123			
						.XX±.13							
				±2'		.XXX±.051							
				dr	R.GRAPE	7/3/96			dwg no		sheet 10 of 11		size
				enrg	D.BRANN	7/3/96			71299				A4
				chr	D.BRANN	7/3/96							
				appd	D.BRANN	7/3/96							
sheet index		revision sheet											



1			2			3			4			5			6											
HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE	HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE	SHIELD PINOUT	TYPE	BTB 100 POS RECEPTACLE	SHIELD PINOUT	TYPE	BTB 100 POS RECEPTACLE															
1	GND	1	35	GND	51	1	GND	4 & 54	1	GND	4 & 54															
2	SIG	2	36	DET	52	2	GND	7 & 57	2	GND	7 & 57															
3	SIG	3	37	SIG	53	3	GND	10 & 60	3	GND	10 & 60															
4	SIG	5	38	SIG	55	4	GND	13 & 63	4	GND	13 & 63															
5	SIG	6	39	SIG	56	5	GND	16 & 66	5	GND	16 & 66															
6	SIG	8	40	SIG	58	6	GND	19 & 69	6	GND	19 & 69															
7	SIG	9	41	SIG	59	7	GND	22 & 72	7	GND	22 & 72															
8	SIG	11	42	SIG	61	8	GND	25 & 75	8	GND	25 & 75															
9	SIG	12	43	SIG	62	9	GND	26 & 76	9	GND	26 & 76															
10	SIG	14	44	SIG	64	10	GND	29 & 79	10	GND	29 & 79															
11	SIG	15	45	SIG	65	11	GND	32 & 82	11	GND	32 & 82															
12	SIG	17	46	SIG	67	12	GND	35 & 85	12	GND	35 & 85															
13	SIG	18	47	SIG	68	13	GND	38 & 88	13	GND	38 & 88															
14	SIG	20	48	SIG	70	14	GND	41 & 91	14	GND	41 & 91															
15	SIG	21	49	SIG	71	15	GND	44 & 94	15	GND	44 & 94															
16	SIG	23	50	SIG	73	16	GND	47 & 97	16	GND	47 & 97															
17	PWR	24	51	PWR	74																					
18	SIG	27	52	SIG	77																					
19	SIG	28	53	SIG	78																					
20	SIG	30	54	SIG	80																					
21	SIG	31	55	SIG	81																					
22	SIG	33	56	SIG	83																					
23	SIG	34	57	SIG	84																					
24	SIG	36	58	SIG	86																					
25	SIG	37	59	SIG	87																					
26	SIG	39	60	SIG	89																					
27	SIG	40	61	SIG	90																					
28	SIG	42	62	SIG	92																					
29	SIG	43	63	SIG	93																					
30	SIG	45	64	SIG	95																					
31	SIG	46	65	SIG	96																					
32	SIG	48	66	SIG	98																					
33	SIG	49	67	DET	99																					
34	GND	50	68	GND	100																					

NOTES:

- 8mm MIN CARD EJECT.
- EJECT TRAVEL: 9.5mm
- MATERIAL:
 - HEADER ASSY:
PLASTIC HOUSING: LCP UL94V-0 BLACK - ABOVE PCB
LCP UL94V-0 BLACK - BELOW PCB
PIN: PHOSPHOR BRONZE
PCB: FR4
 - EJECT MECHANISM ASSY:
PLASTIC GUIDE: POLYPHTHARAMID UL94V-0 BLACK
PLASTIC PUSH-ROD BUTTON: POLYPHTHARAMID UL94V-0 BLACK
COVER PLATE, LINK ARM,
PUSH ROD: STAINLESS STEEL
EMI CONTACT: PHOSPHOR BRONZE
 - .8 BTB RECEPTACLE: 73277-101000
PLASTIC: LCP 94V-0 BLACK
CONTACT: BeCu
- FINISH (PIN)
UNDER PLATING: 0.5um MIN Ni
CONTACT AREA: 0.1um MIN GOLD OVER
0.5um MIN Pd-Ni
SOLDER TAIL(TIN LEAD OPTION): 2.5umMIN Sn-Pb
SOLDER TAIL(LEAD FREE OPTION): 2.5umMIN PURE TIN
- DIM "X"

4.25±0.1	3.5±0.1	5.0±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 DISCIBLED IN GS-22-008

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
R				angles	linear	$.X \pm .3$ $.XX \pm .13$ $.XXX \pm .051$	CARDBUS SINGLE DECK ASSY SMT TYPE 123			
				±2°		scale:1:1				
				dr	R.GRAPE	7/3/96	dwg no			
				enrg	D.BRANN	7/3/96	sheet 11 of 11 size			
				chr	D.BRANN	7/3/96	71299			
				appd	D.BRANN	7/3/96	type CUSTOMER Drawing			
sheet	revision									
index	sheet									