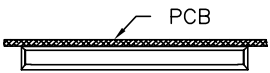


DESCRIPTION: ABOVE AND BELOW P.C.B., DECK IS AS VIEWED BY USER.

PRODUCT NO. 72305-XXX	STAND-OFF HEIGHT DIM L	(A) HEADER ASSY 71249-XXXX	(B) MECHANISM ASSY 72304/92791-XXX	(C) MATING RECEPTACLE	MOUNTING STYLE TO PCB
000	0.0	0000	72304-000	100 POSITION (2x50) 0.8mm RECEPTACLE PART NO. 73277-101000 ORDER SEPARATELY	
020	2.2	0022	72304-022		
040	4.3	0043	72304-043		
050	5.0	0050	72304-050		
005	0.0	0500	72304-000		
025	0.0	0522	72304-000		
045	0.0	0543	72304-000		
055	0.0	0550	72304-000		
520	2.2	5022	92791-022S		
540	4.3	5043	92791-043S		
550	5.0	5050	△ 92791-052		
525	0.0	5522	92791-001S		
545	0.0	5543	92791-001S		
555	0.0	5550	92791-001S		

NOTE:

- SEE 72306 FOR DOUBLE DECK ASSEMBLY

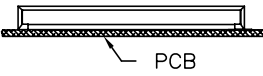
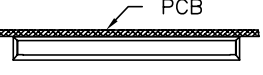
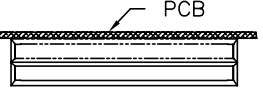
ORDERING INFORMATION

ORDER:

- EJECT HEADER ASSY (72305-XXX)
- MATING RECEPTACLE (73277-101000)

mat'l. code				surface		tolerance		projection		product family					
				ISO 1302		ISO 406 ISO 1181				CARDBUS					
ltr	ecn no	dr	date	tolerances unless otherwise specified						title					
E	V02257	TFG	11/3/00	angles		linear				CARDBUS SINGLE DECK ASS'Y SMT TYPE 123					
F	N05-0074	WB	03/14/05												
G	N06-0012	MZ	01/16'06	±2°				scale							
H	N06-0129	M.Z	05/11'06	dr	Mike Zhou		05/10/06				dwg no		sheet 1 of 11		size
J	N07-0109	DT	5/7/07	engr	Mike Zhou		05/10/06				72305				A4
K	N08-0028	MZ	2/25'08	chr	Mike Zhou		05/10/06								
L	BLX-N-011409	ZK	04/07/12	appd	Qin David		05/10/06				type		CUSTOMER		Drawing
sheet revision		L	L	L	L	L	L	L	L	L	L	L	L	L	L
index sheet		1	2	3	4	5	6	7	8	9	10	11			

DESCRIPTION: ABOVE AND BELOW P.C.B., DECK IS AS VIEWED BY USER.

PRODUCT NO. 72305-XXX	STAND-OFF HEIGHT DIM L	Ⓐ HEADER ASSY 71249-XXXX	Ⓑ MECHANISM ASSY 72304/92791-XXX	Ⓒ MATING RECEPTACLE	MOUNTING STYLE TO PCB
000LF	0.0	0000LF	72304-000	100 POSITION (2x50) 0.8mm RECEPTACLE PART NO. 73277-101402LF ORDER SEPARATELY	
020LF	2.2	0022LF	72304-022		
040LF	4.3	0043LF	72304-043		
050LF	5.0	0050LF	72304-050		
005LF	0.0	0500LF	72304-000		
025LF	0.0	0522LF	72304-000		
045LF	0.0	0543LF	72304-000		
055LF	0.0	0550LF	72304-000		
520LF	2.2	5022LF	92791-022S		
540LF	4.3	5043LF	92791-043S		
550LF	5.0	5050LF	⚠ 92791-052		
525LF	0.0	5522LF	92791-001S		
545LF	0.0	5543LF	92791-001S		
555LF	0.0	5550LF	92791-001S		

NOTE:

- SEE 72306 FOR DOUBLE DECK ASSEMBLY
- 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
- LEAD FREE P/N PACKAGING MEETS GS-14-920 SPECIFICATION

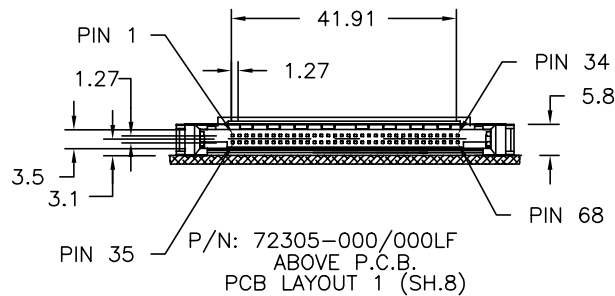
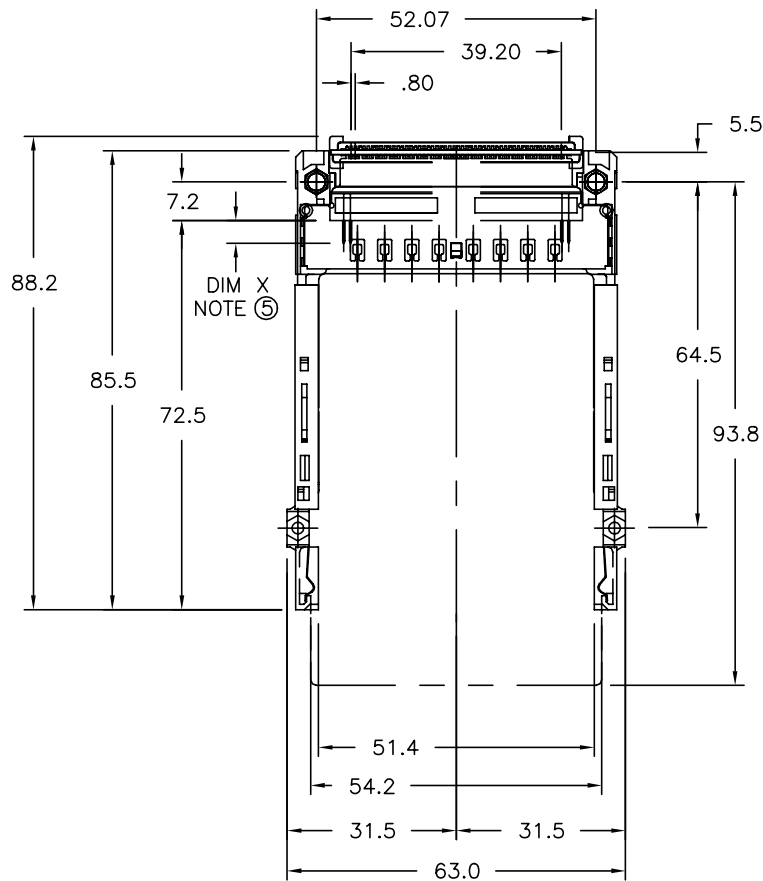
ORDERING INFORMATION

ORDER:

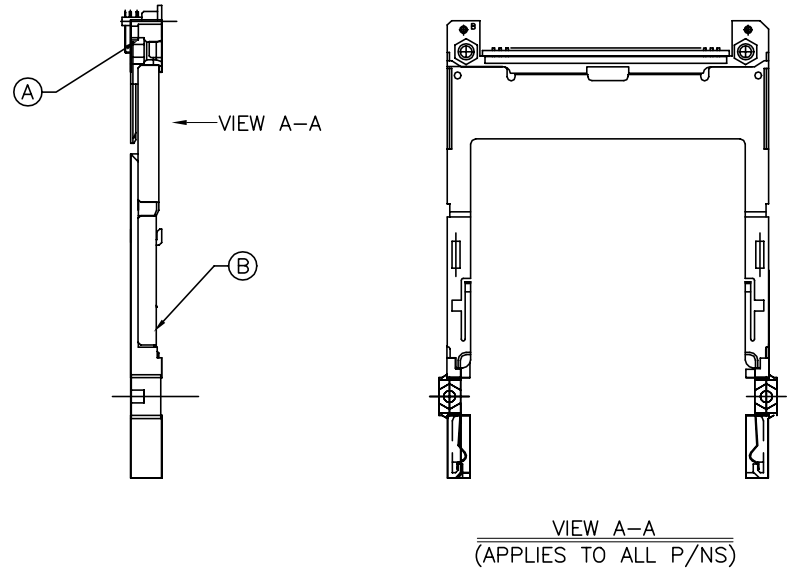
- EJECT HEADER ASSY (72305-XXXLF)
- MATING RECEPTACLE (73277-101000LF)

mat'l. code		surface		tolerance		projection		product family	
ISO 1302		ISO 406		ISO 1181		10.4		CARDBUS	
ltr ecn no dr date		tolerances unless otherwise specified		linear		MM		title	
L		angles		linear		scale 4		CARD BUS SINGLE DECK ASS'Y SMT TYPE 123	
		dr		Mike Zhou		05/10/06		dwg no	
		engr		Mike Zhou		05/10/06		sheet 2 of 11	
		chr		Mike Zhou		05/10/06		size	
		appd		Qin David		05/10/06		A 4	
sheet index		revision sheet						type CUSTOMER Drawing	

PRODUCT NUMBER
72305-***
72305-***LF



MATING RECEPTACLE SHOWN FOR APPLICATION CLARITY ONLY. MUST BE ORDERED SEPARATELY

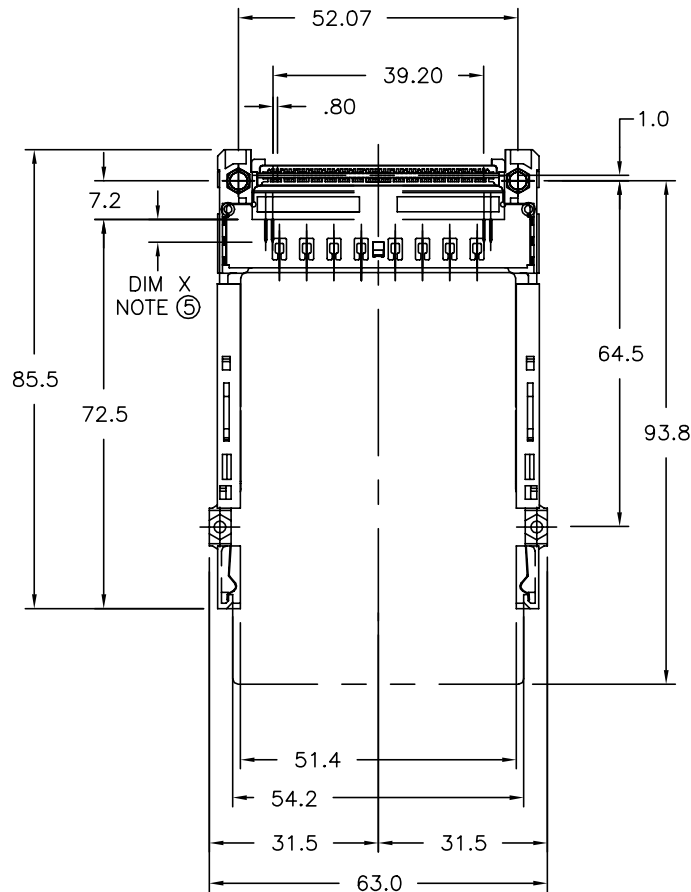


mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406 ISO 1101		CARDBUS
ltr ecn nodr date	tolerances unless otherwise specified			title
L	angles	linear	MM	CARDBUS SINGLE DECK ASS'Y SMT TYPE 123
	±2°		scale	dwg no
	dr	Mike Zhou	05/10/06	sheet 3 of 11
	enr	Mike Zhou	05/10/06	size
	chr	Mike Zhou	05/10/06	A 4
	appd	Qin David	05/10/06	type CUSTOMER Drawing
sheet index	revision sheet			

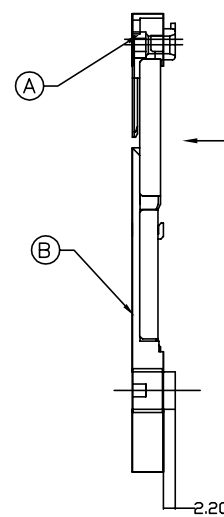
PRODUCT NUMBER

72305-***

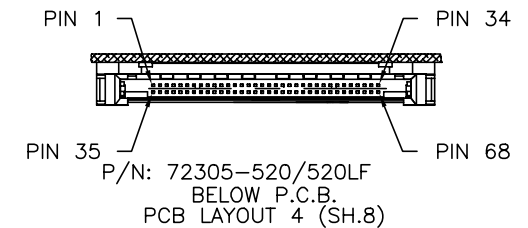
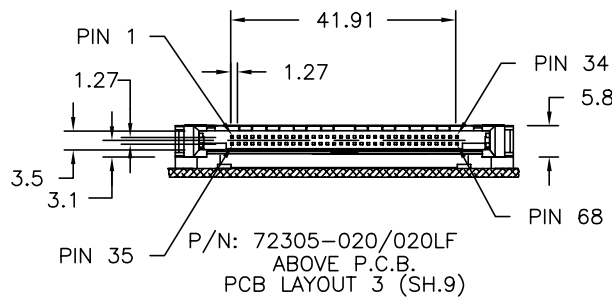
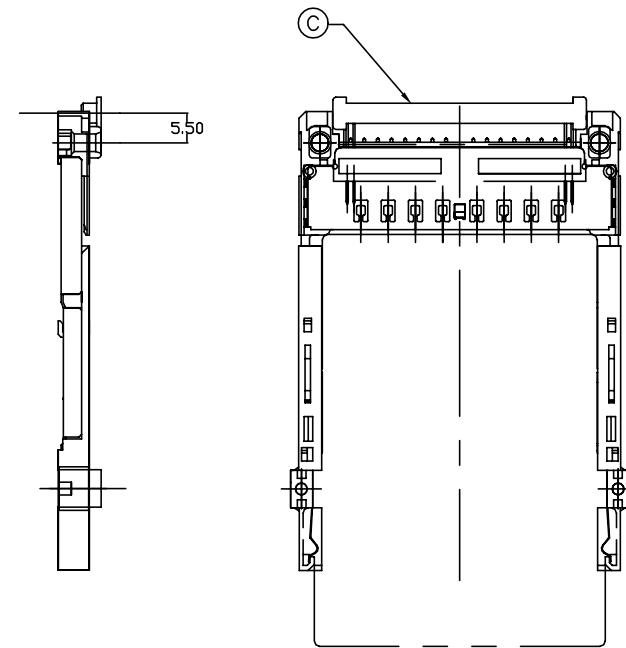
72305-***LF



MATING RECEPTACLE SHOWN
FOR APPLICATION CLARITY ONLY.
MUST BE ORDERED SEPARATELY

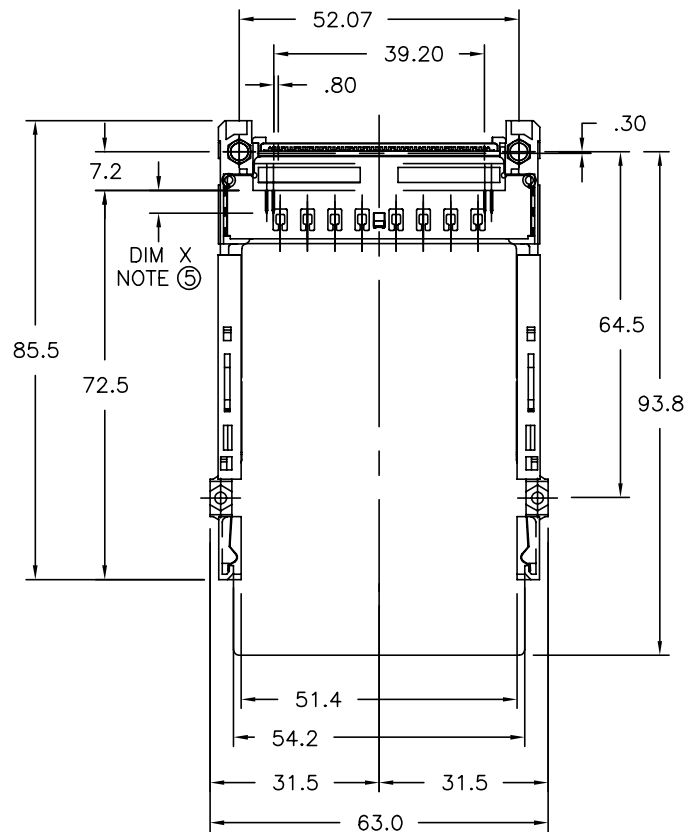


VIEW A-A

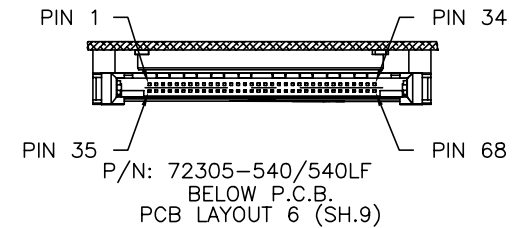
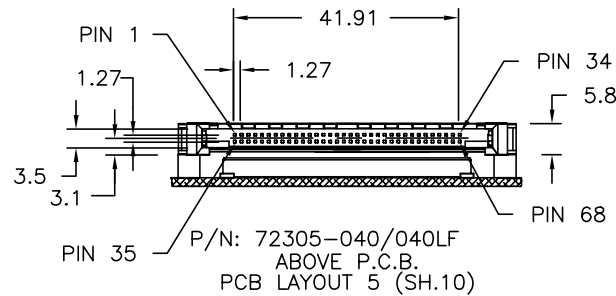
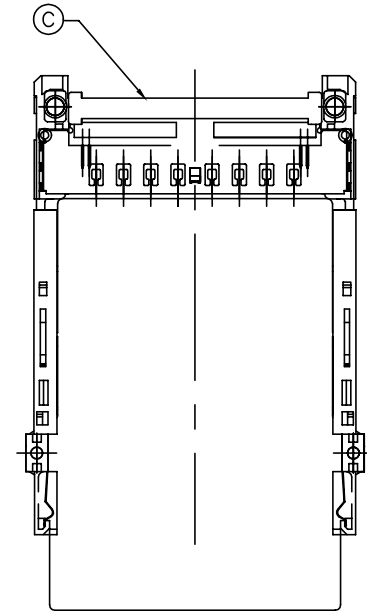
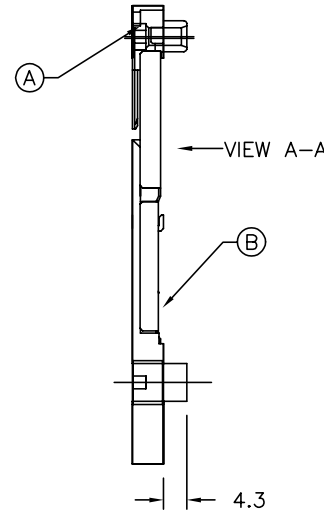


mat'l. code				surface		tolerance		projection		product family			
				ISO 1302		ISO 406 ISO 1:101				CARDBUS			
ltn		ecn no		dr		date		tolerances unless otherwise specified		title			
L								angles		CARDBUS SINGLE DECK ASS'Y SMT TYPE 123			
								linear					
								±2'				scale	
						dr		Mike Zhou		05/10/06		dwg no	
						engr		Mike Zhou		05/10/06		sheet 4 of 11	
						chr		Mike Zhou		05/10/06		72305	
						appd		Qin David		05/10/06		A 4	
												type CUSTOMER	
												Drawing	
sheet		revision											
index		sheet											

PRODUCT NUMBER
72305-***
72305-***LF



MATING RECEPTACLE SHOWN
FOR APPLICATION CLARITY ONLY.
MUST BE ORDERED SEPARATELY



mat'l. code		surface	tolerance	projection	product family
		ISO 1302	ISO 406 ISO 101		CARDBUS
ltr	ecn	nadr	date	tolerances unless otherwise specified	
L				angles	linear
				±2°	MM
				dr	scale
				Mike Zhou	05/10/06
				engr	Mike Zhou
				chr	Mike Zhou
				appd	Qin David
sheet		revision			
index		sheet			



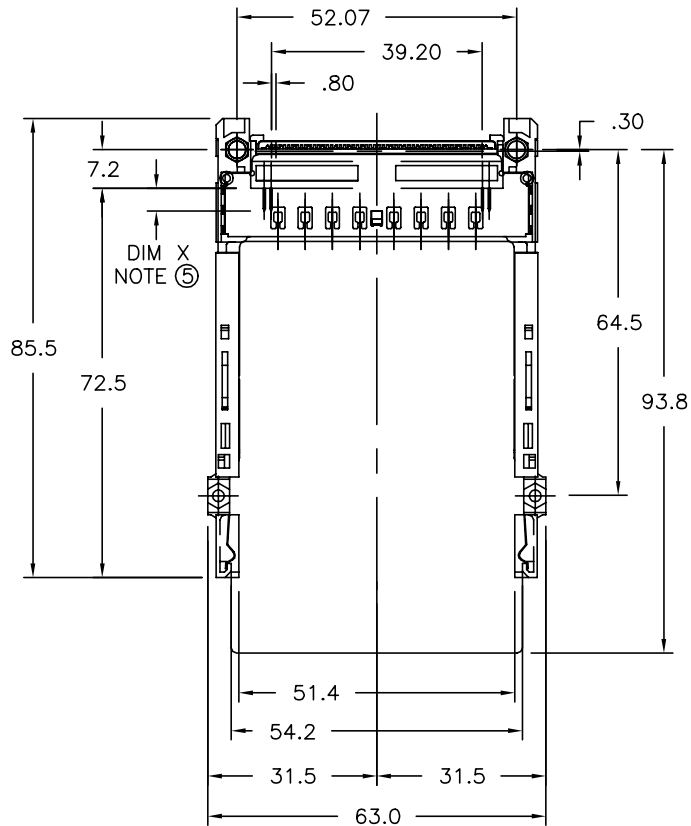
CARDBUS SINGLE DECK ASS'Y SMT TYPE 123	
dwg no	sheet 5 of 11
72305	A 4
type	CUSTOMER Drawing

FCI CONFIDENTIAL

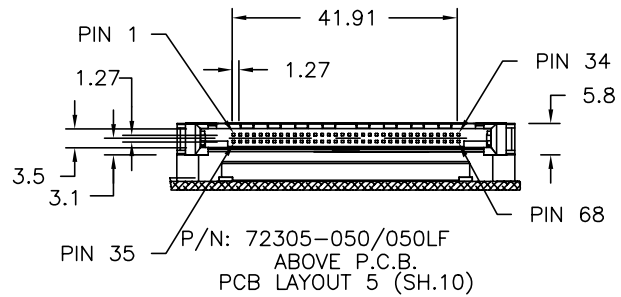
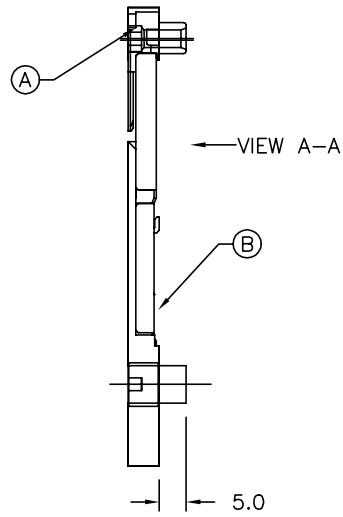
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PRODUCT NUMBER
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72305-***LF

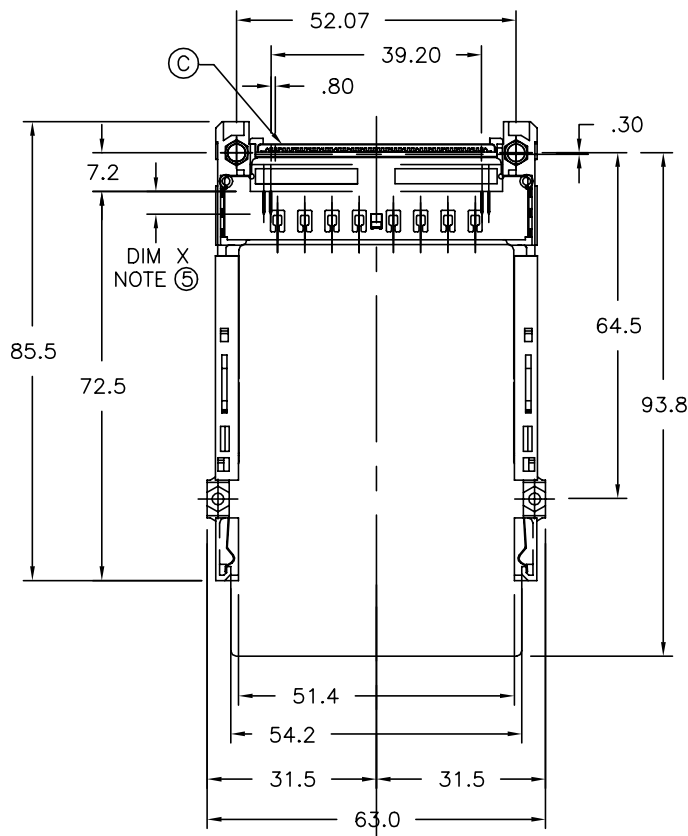


MATING RECEPTACLE SHOWN
FOR APPLICATION CLARITY ONLY.
MUST BE ORDERED SEPARATELY

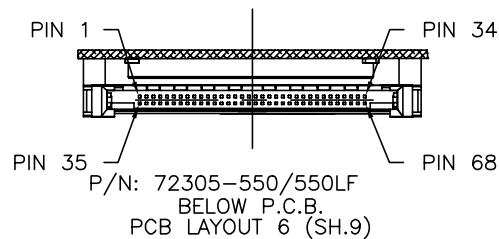
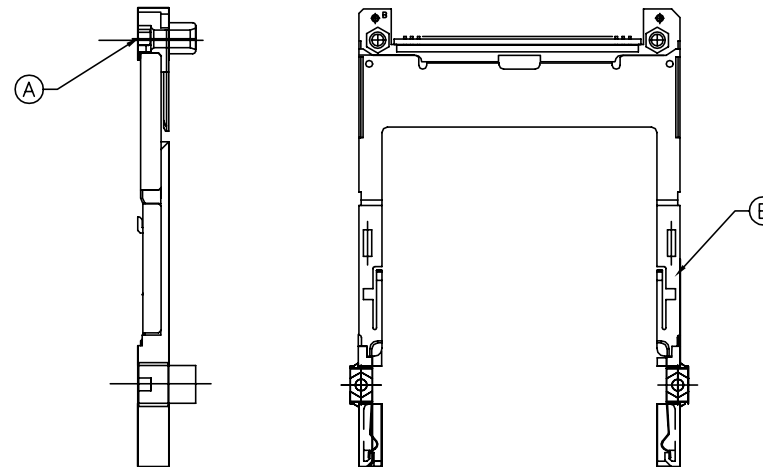


mat'l. code	surface ISO 1302	tolerance ISO 406 ISO 1101	projection ISO 1101	product family CARDBUS
ltr ecn no dr date	tolerances unless otherwise specified			title
L	angles	linear	MM	CARDBUS SINGLE DECK ASS'Y SMT TYPE 123
	±2°		scale 4	
	dr	Mike Zhou	05/10/06	dwg no
	engr	Mike Zhou	05/10/06	sheet 6 of 11
	chr	Mike Zhou	05/10/06	size
	appd	Qin David	05/10/06	A 4
sheet index	revision sheet			type CUSTOMER Drawing

PRODUCT NUMBER
72305-***
72305-***LF

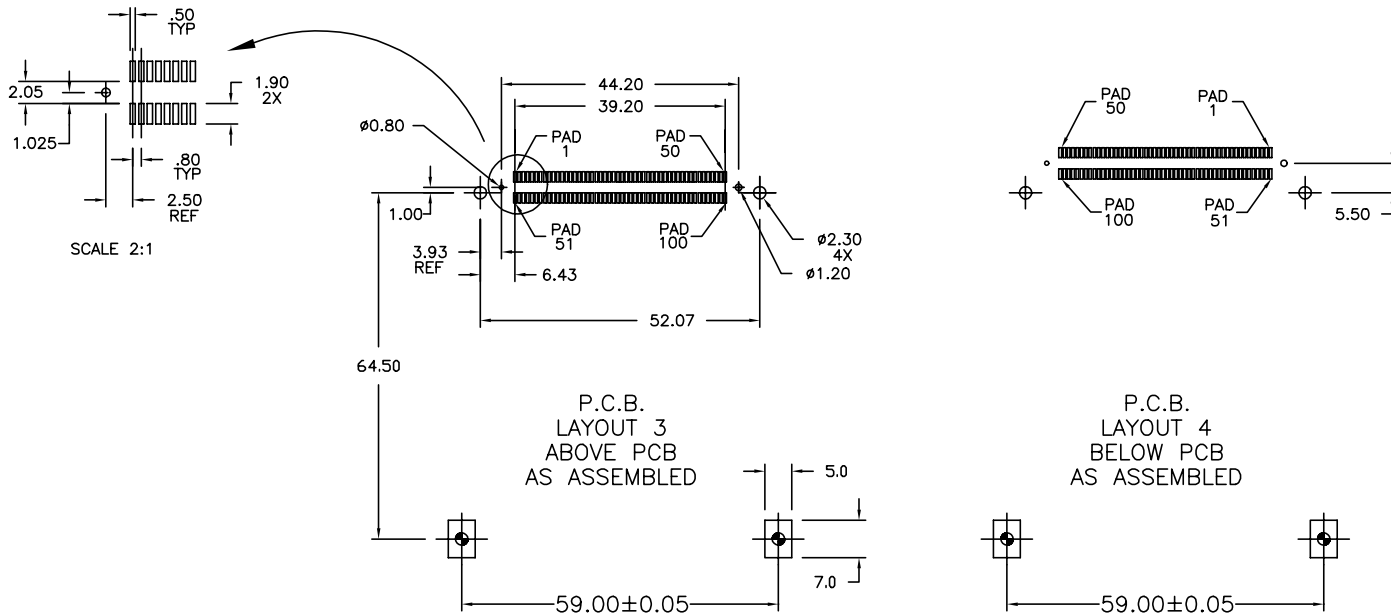


MATING RECEPTACLE SHOWN
FOR APPLICATION CLARITY ONLY.
MUST BE ORDERED SEPARATELY



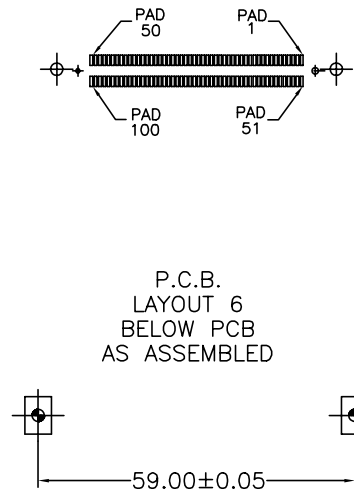
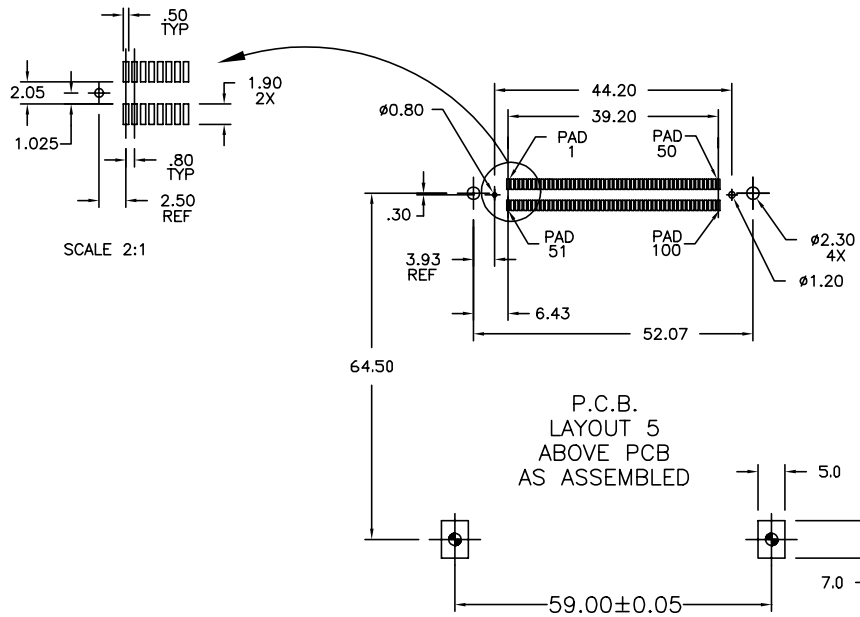
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	ISO 1302	ISO 406 ISO 1101		CARDBUS
ltr ecn nodr date	tolerances unless otherwise specified			title
L	angles	linear	MM	CARDBUS SINGLE DECK ASS'Y SMT TYPE 123
	±2°		scale 4	
	dr	Mike Zhou	05/10/06	dwg no
	enr	Mike Zhou	05/10/06	sheet 7 of 11
	chr	Mike Zhou	05/10/06	size
	appd	Qin David	05/10/06	A 4
sheet	revision			type
index	sheet			CUSTOMER Drawing

P.C.B. LAYOUT FOR 2.2mm STANDOFF



mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 101		CARDBUS
ltr	ecn	no	dr	date	tolerances unless otherwise specified
L					angles
					linear
					±2°
					linear
					scale 4
					dr
					Mike Zhou
					05/10/06
					engr
					Mike Zhou
					05/10/06
					chr
					Mike Zhou
					05/10/06
					appa
					Qin David
					05/10/06
sheet	revision				
index	sheet				

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



mat'l. code				surface		tolerance		projection		product family			
				ISO 1302		ISO 406 ISO 1:101				CARDBUS			
ltr	ecn	no	dr	date		tolerances unless otherwise specified				title			
L						angles		linear				CARDBUS SINGLE DECK	
						±2°				scale 4		ASS'Y SMT TYPE 123	
				dr	Mike Zhou	05/10/06				dwg no		sheet 1 of 1	size
				engr	Mike Zhou	05/10/06				72305		A 4	
				chr	Mike Zhou	05/10/06							
				appa	Qin David	05/10/06				type		CUSTOMER	Drawing
sheet index		revision sheet											

HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE	HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE	SHIELD PINOUT	TYPE	BTB 100 POS RECEPTACLE
1	GND	1	35	GND	51	1	GND	4 & 54
2	SIG	2	36	DET	52	2	GND	7 & 57
3	SIG	3	37	SIG	53	3	GND	10 & 60
4	SIG	5	38	SIG	55	4	GND	13 & 63
5	SIG	6	39	SIG	56	5	GND	16 & 66
6	SIG	8	40	SIG	58	6	GND	19 & 69
7	SIG	9	41	SIG	59	7	GND	22 & 72
8	SIG	11	42	SIG	61	8	GND	25 & 75
9	SIG	12	43	SIG	62	9	GND	26 & 76
10	SIG	14	44	SIG	64	10	GND	29 & 79
11	SIG	15	45	SIG	65	11	GND	32 & 82
12	SIG	17	46	SIG	67	12	GND	35 & 85
13	SIG	18	47	SIG	68	13	GND	38 & 88
14	SIG	20	48	SIG	70	14	GND	41 & 91
15	SIG	21	49	SIG	71	15	GND	44 & 94
16	SIG	23	50	SIG	73	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:

- 1 ORDER MATING RECEPTACLE SEPARATELY.
- 2 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).
- 3 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 MECHANISM ASSY:
PLASTIC GUIDE: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
COVER PLATE: STAINLESS STEEL
EMI CONTACT: PHOSPHOR BRONZE
- 3.3 .8 BTB RECEPTACLE (73277-101000):
PLASTIC: HIGH TEMPERATURE THERMOPLASTIC UL94V-0 BLACK
CONTACT: BeCu
- 4 FINISH (PIN)
UNDER PLATING: 0.5um Ni
CONTACT AREA: 0.076 μm MIN. GOLD
- SOLDER TAIL: 2.5um Sn-Pb FOR TIN LEAD OPTION
2.5um PURE TIN FOR LEAD FREE OPTION
- ⑤ DIM "X"
- | | | |
|----------|---------|------------------|
| 4.25±0.1 | 3.5±0.1 | 5.0±0.1 |
| OTHERS | 36,67 | 1,17,34,35,51,68 |
- 6 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.
- 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 PRODUCT SPEC:110-263

mat'l. code		surface ISO 1302		tolerance ISO 406 ISO 1101		projection ISO 1101		product family CARDBUS	
ltr ecn nodr date		tolerances unless otherwise specified		title					
L		angles		linear		MM		CARDBUS SINGLE DECK	
		±2°				scale 4		ASS'Y SMT TYPE 123	
		dr		Mike Zhou		05/10/06		dwg no	
		engr		Mike Zhou		05/10/06		sheet 1 of 11	
		chr		Mike Zhou		05/10/06		size	
		appa		Qin David		05/10/06		A 4	
								72305	
								type CUSTOMER	
								Drawing	
sheet		revision							
index		sheet							

Mouser Electronics

Authorized Distributor

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[72305-050](#) [72305-020LF](#) [72305-540LF](#) [72305-520LF](#) [72305-000LF](#) [72305-025LF](#) [72305-040LF](#) [72305-050LF](#)
[72305-045LF](#) [72305-550LF](#)