

Excellent Integrated System Limited

Stocking Distributor

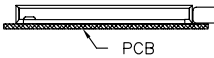
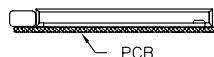
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[FCI](#)
[71299-050CALF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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-XXXX	③ 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	
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		
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		
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		
155CA	LEFT	0.0	0550	72336-100CA		

ORDERING INFORMATION

ORDER:

- EJECT HEADER ASSY (71299-XXXX/XXXXLF)
- 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
ISO 1302				ISO 406	ISO 1101		
tolerances unless otherwise specified							
L	V20120	RGD	1/18/02	angles	.X±.3	MM	CARDBUS SINGLE DECK ASSY SMT TYPE 123
M	V03-0552	WL	05/28/03	linear	.XX±.13	scale 1:1	
N	T04-0316	WL	07/12/04	±2'	.XXX±.051		
P	N05-0034	WB	02/16/05	dr	R.GRAPE	7/3/96	
R	N08-0060	MZ	06/20/08	engr	D.BRANN	7/3/96	dwg no 71299 sheet 1 of 1 size A4
S	BU-N-011405	ZK	04/14/12	chr	D.BRANN	7/3/96	
appd				D.BRANN	7/3/96		type CUSTOMER Drawing
sheet index	revision	S	S	S	S	S	S
1	2	3	4	5	6	7	8
9	10	11					

PDS: Rev :S

STATUS: Released

Printed: Apr 28, 2012

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

LESSON PLAN: ABOVE PCB, BACK AND PUSH-ROD LOCATION ARE AS VIEW BY USER.						
PRODUCT NO. 71299-XXXXX	PUSH-ROD LOCATION	STAND-OFF HEIGHT	HEADER ASSY 71249-XXXX OR 61519-XXXX	MECHANISM ASSY 72336-XXXXX	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	 PCB
020CALF	RIGHT	2.2	0022MLF	72336-022CA		 PCB
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		 PCB
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		 PCB
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		 PCB
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	 PCB	
156CALF	LEFT	0.0	0550MLF	72336-101CA		

ORDERING INFORMATION

ORDER:

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

NOTE:

- 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	
ISO 1302		ISO 406		ISO 1101					
lt r e c n d r		date		tolerances unless otherwise specified		title			
S				angles		MM		CARDBUS SINGLE DECK	
				linear		scale 1:1		ASSY SMT TYPE 123	
				±.XX±.13					
				±.XXX±.051					
d r		R.GRAPE		7/3/96				dwg no	
engr		D.BRANN		7/3/96				sheet 2 of 11	
chr		D.BRANN		7/3/96				71299	
appd		D.BRANN		7/3/96				A4	
sheet index		revision sheet				type		CUSTOMER	
						Drawing			

4 PDS: Rev :S

STATUS: Released

Printed: Apr 28, 2012

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:

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

NOTES:

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

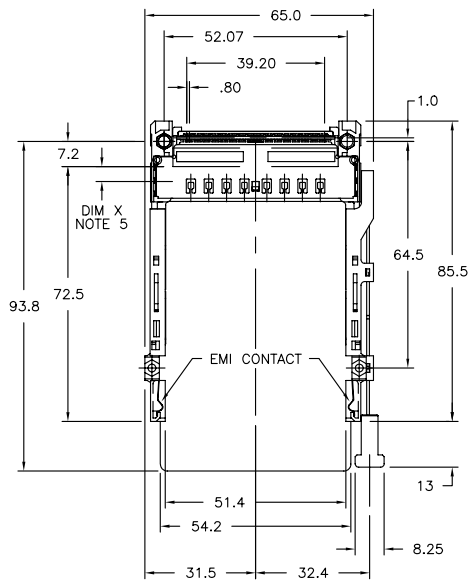
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ISO 1302	ISO 406	ISO 1101	MM	
tolerances unless otherwise specified	linear	angular	scale 1:1	
±2°	linear	angular	scale 1:1	
dr	R.GRAPE	7/3/96		
enrg	D.BRANN	7/3/96		
chr	D.BRANN	7/3/96		
appd	D.BRANN	7/3/96		
sheet index	revision	sheet		

PDS: Rev :S

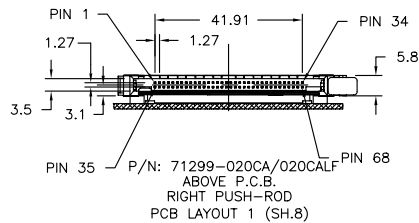
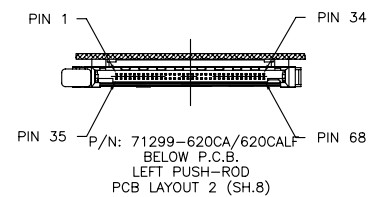
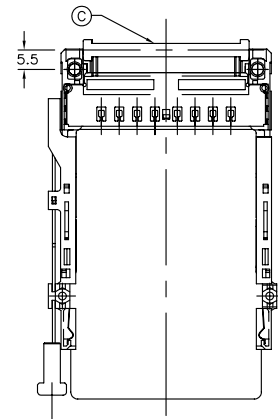
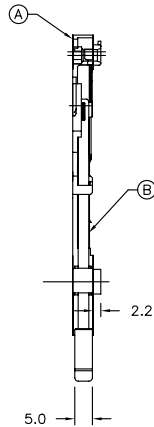
STATUS: Released

Printed: Apr 28, 2012

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



MATING RECEPTACLE
SHOWN FOR APPLICATION
CLARITY ONLY
MUST BE PURCHASED
SEPARATELY



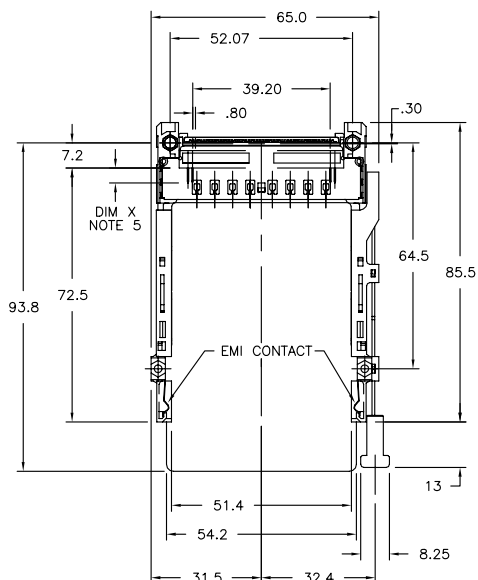
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ISD 1302		ISD 406		ISD 118					
trn ecn ngr dr date		tolerances unless otherwise specified		title					
S		angles				CARDBUS SINGLE DECK			
		linear		$\pm .XX \pm .13$		ASSY SMT TYPE 123			
		±2°		$\pm .XXX \pm .051$		scale 1:1			
dr		R.GRAPE		7/3/96				sheet 4 of 1	
engr		D.BRANN		7/3/96				dwg no 71299	
chr		D.BRANN		7/3/96				A4	
appd		D.BRANN		7/3/96				type CUSTOMER Drawing	
sheet index		revision sheet							

4 PDS: Rev :S

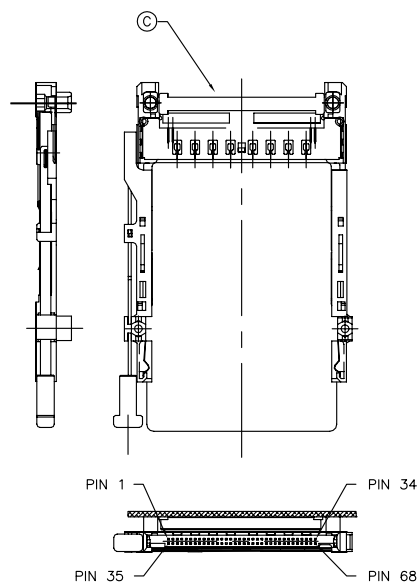
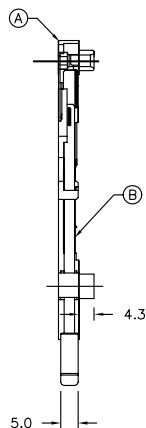
STATUS: Released

Printed: Apr 28, 2012

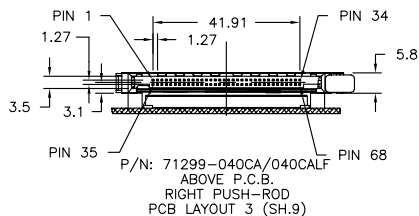
PRODUCT NUMBER
71299-*****/*****LF



MATING RECEPTACLE
SHOWN FOR APPLICATION
CLARITY ONLY
MUST BE PURCHASED
SEPARATELY

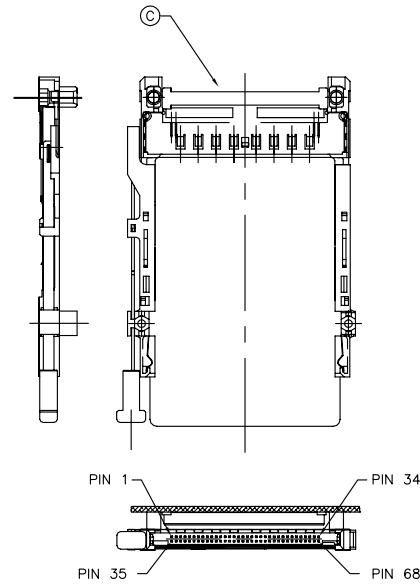
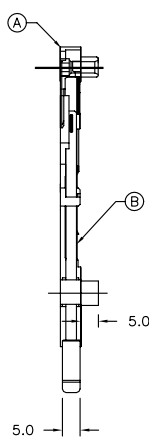
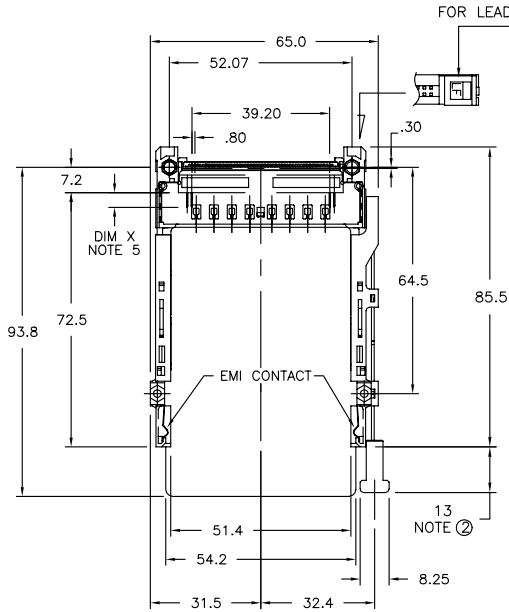


P/N: 71299-640CA/640CALF
BELOW P.C.B.
LEFT PUSH-ROD
PCB LAYOUT 4 (SH.9)

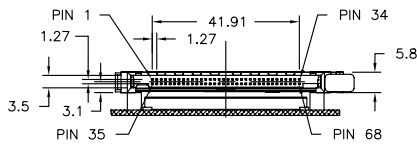


mat'l. code		surface		tolerance		projection		product family	
ISO 1302		ISO 1302		ISO 406 ISO 1181					
ltr ecn no dr date		tolerances unless otherw		wise specified		title			
S		angle		$\times .3$ $\times .13$ $\times .051$				CARBUS SINGLE DECK	
		linear				scale 1:1		ASSY SMT TYPE 123	
		2"						dwg no	
		dr		R.GRAPE 7/3/96				sheet 5 of 1 size	
		engr		D.BRANN 7/3/96				71299	
		chr		D.BRANN 7/3/96				A4	
		appd		D.BRANN 7/3/96				type CUSTOMER Drawing	
sheet		revision							
index		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	tolerance	projection	product family
ISD 1302	ISD 406	ISD 118		
tr/ecn no/dr	date	tolerances	unless otherwise specified	title
S		angles	.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 index	revision sheet			

CARDBUS SINGLE DECK
ASSY SMT TYPE 123
dwg no 71299
sheet 6 of 1
size A4
type CUSTOMER Drawing

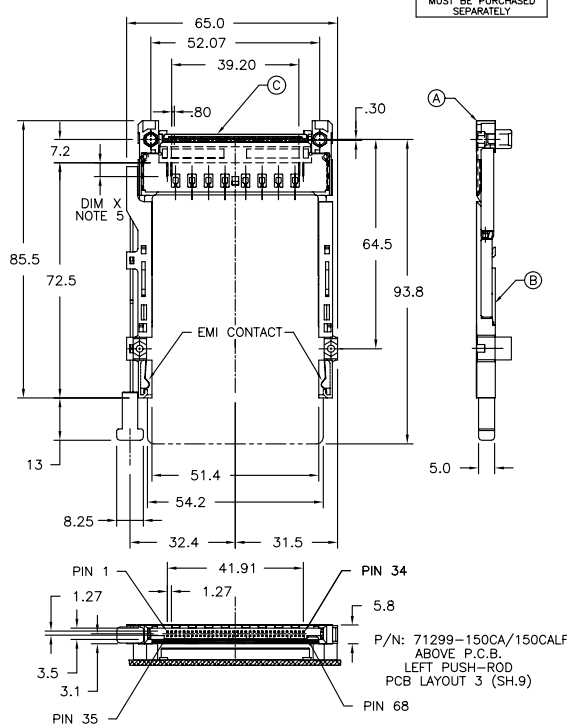
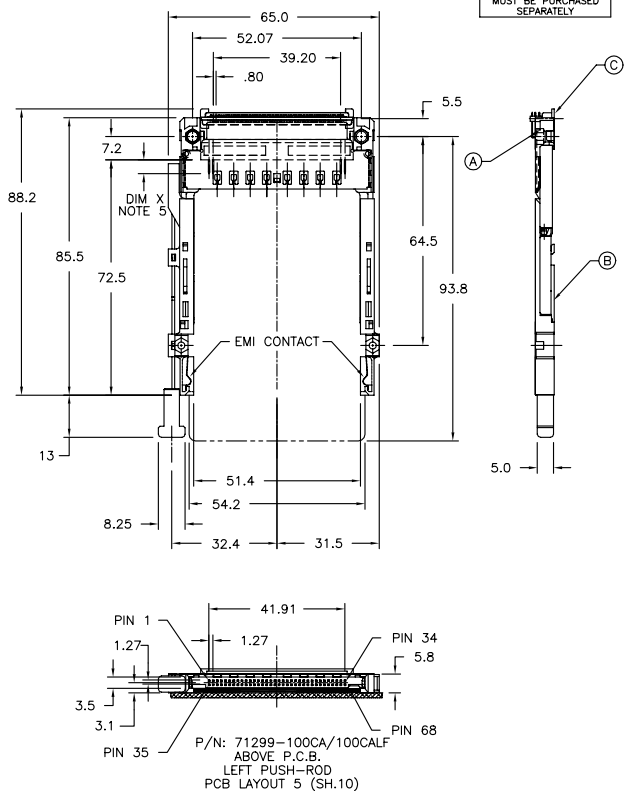
4 PDS: Rev :S STATUS: Released Printed: Apr 28, 2012

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



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

Form A3

1

2

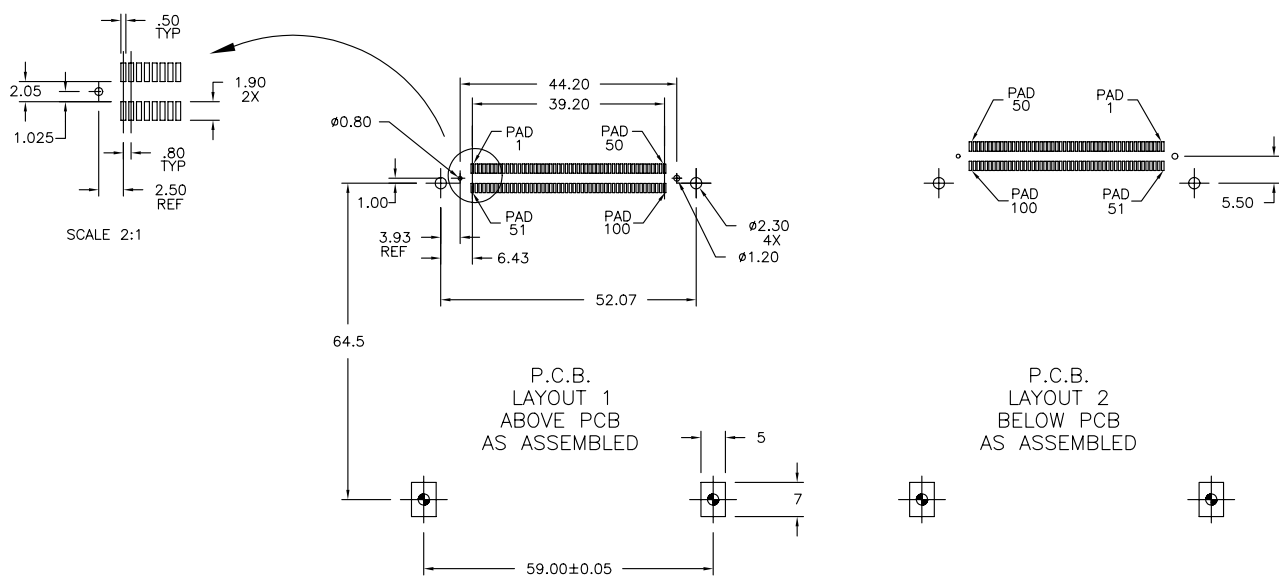
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4 PDS: Rev :S

STATUS: Released

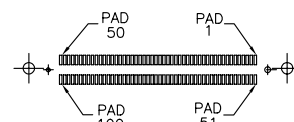
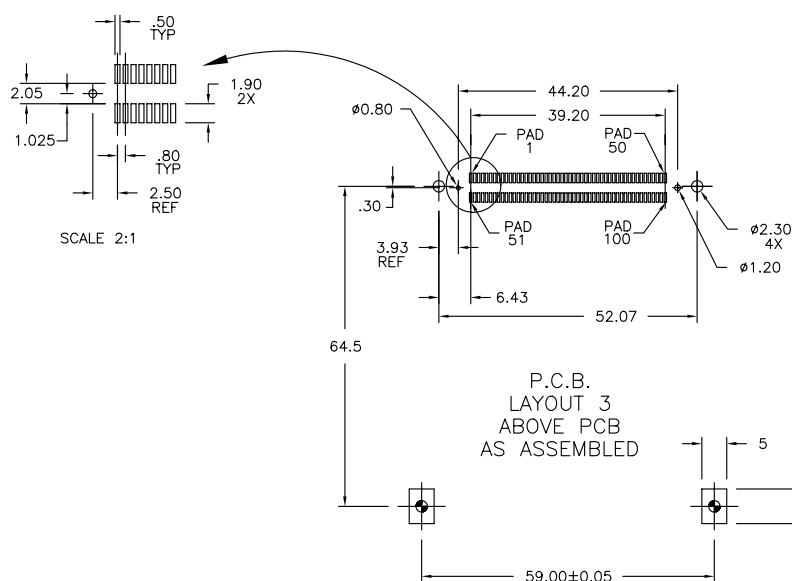
Printed: Apr 28, 2012

P.C.B. LAYOUT FOR 2.2mm STANDOFF



mat'l. code				surface		tolerance		projection		product family					
ISO 1302				ISO 406		ISO 1101		ISO 545							
lt r e c n o d r				date		tolerances unless otherwise specified		title							
S						$\angle$ $\pm .3$				CARBUS SINGLE DECK					
						$\pm'2$ linear $\pm .051$		scale:1:1		ASSY SMT TYPE 123					
d r				R.GRAPE		7/3/96				d w g no		sheet 8 of 1		size	
e n g r				D.BRANN		7/3/96				71299		A4			
c h r				D.BRANN		7/3/96									
a p p d				D.BRANN		7/3/96				type		CUSTOMER		Drawing	
sheet index		revision sheet													

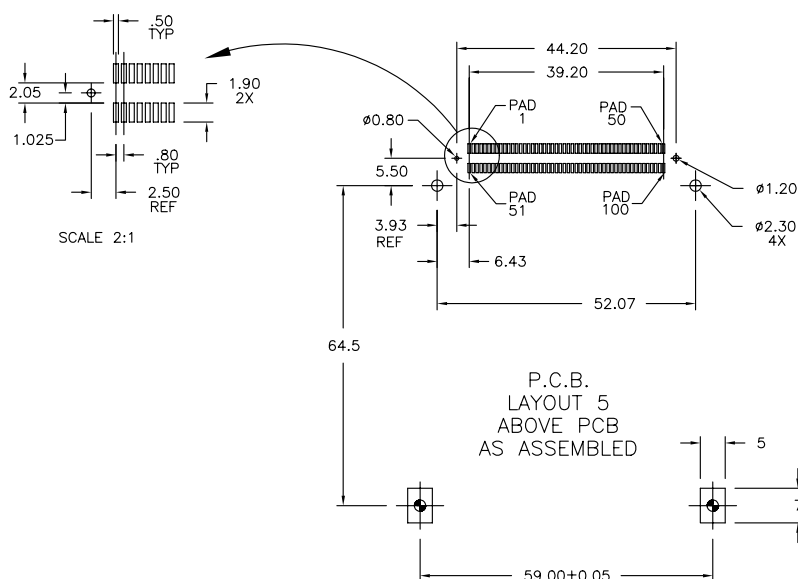
P.C.B. LAYOUT FOR 4.3 AND 5.0mm STANDOFFS



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

mat'l. code				surface		tolerance		projection		product family			
ISO 1302				ISO 406		ISO 1101		ISO 545					
trn ecn no dr date				tolerances unless otherw		wise specified		title					
S				angles		linear		MM		CARBUS SINGLE DECK			
				±.XX±.13						ASSY SMT TYPE 123			
				±2'		.XXX±.051		scale:1:1					
dr		R.GRAPE		7/3/96				dwg no		sheet9 of 11		size	
engr		D.BRANN		7/3/96				71299		A4			
chr		D.BRANN		7/3/96									
appd		D.BRANN		7/3/96				type		CUSTOMER		Drawing	
sheet index		revision sheet											

P.C.B. LAYOUT FOR 0mm STANDOFF



mat'l. code		surface		tolerance		projection		product family	
ISO 1302		ISO 406		ISO 1101		ISO 545			
trn ecn no dr date		tolerances unless otherw		wise specified		title			
S		angles		linear		MM		CARBUS SINGLE DECK	
		.XX±.13						ASSY SMT TYPE 123	
		.2'		.XXX±.051		scale:1:1			
dr		R.GRAPE		7/3/96		FCI		dwg no	
engr		D.BRANN		7/3/96				sheet 00 of 1	
chr		D.BRANN		7/3/96				size	
appd		D.BRANN		7/3/96				A4	
sheet		revision						type	
index		sheet						CUSTOMER	
								Drawing	

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:

- 8mm MIN CARD EJECT.
- EJECT TRAVEL: 9.5mm
- MATERIAL:
 - 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
 - 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
 - .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 DISCRIPTIONED IN GS-22-008
- PRODUCT SPEC:110-263

mat'l. code	surface	tolerance	projection	product family
ISO 1302	ISO 406	ISO 1101		
tr/ecn	nd	dr	date	tolerances unless otherwise specified
S				angles .X $\pm$.3
				linear .XX $\pm$.13
				±2' .XXX $\pm$.051
				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			