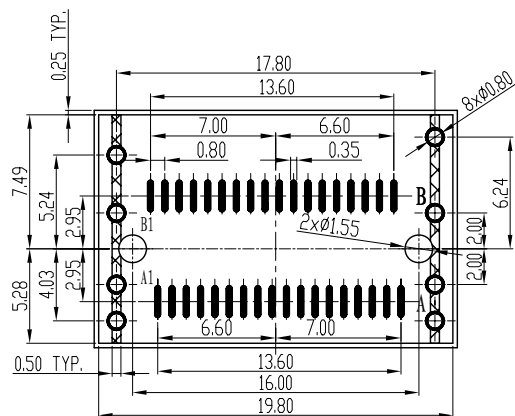
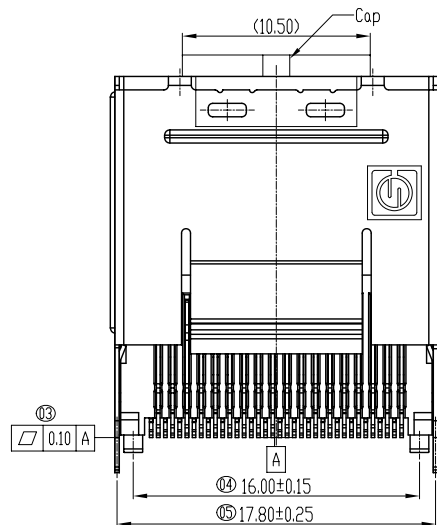
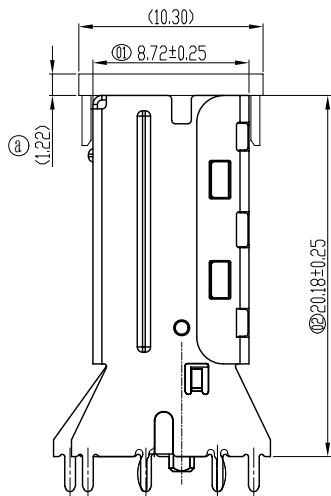
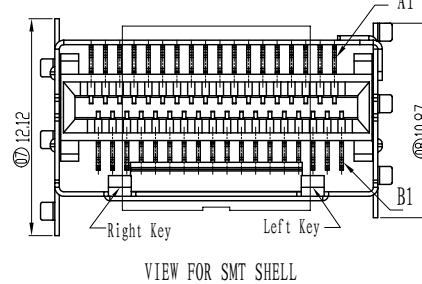
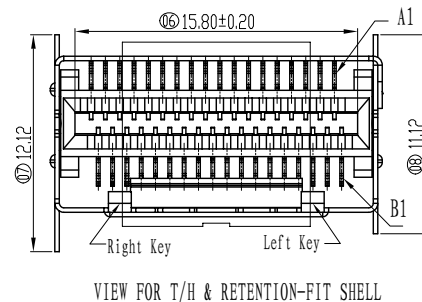




T/H & Retention-fit Shell Recommended PCB Layout
PCB TOLARENCE ± 0.05



Unless otherwise specified tolerance:

X.	± 0.50	X. °	$\pm 3^\circ$
.X	± 0.38	.X°	$\pm 2^\circ$
.XX	± 0.25		

Performance characteristics:

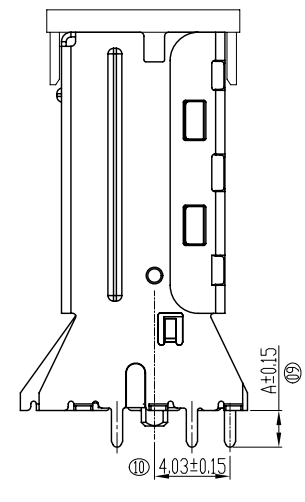
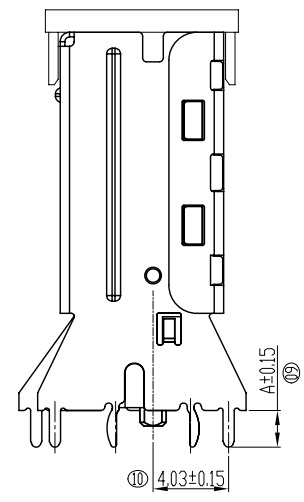
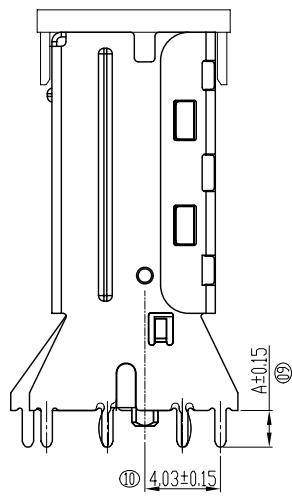
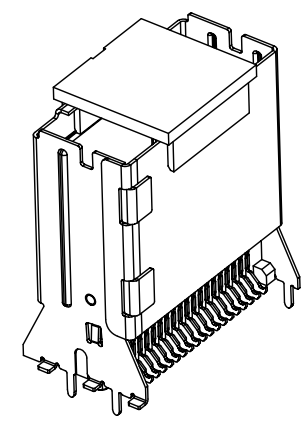
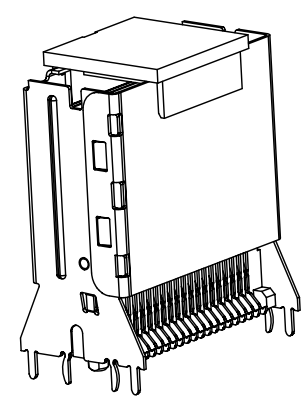
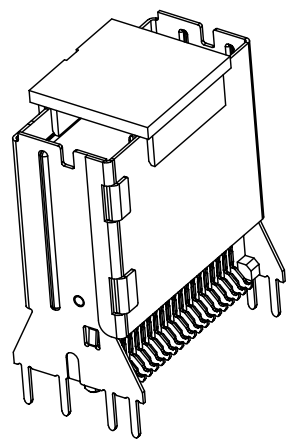
- Main body part material
Insulator: LCP black UL94V-0
Plastic Cap: LCP black UL94V-0
Contact terminal: Copper Alloy, 2.54 μ m Ni under plated, outer plating see spec list
Shell: SUS304-1/2H; 0.76 μ m Nickel on Tails
- Electrical requirements:
Current rating: 0.5 A
Contact resistance: ≤ 80 m Ω
Insulation resistance: ≥ 1000 M Ω
Withstanding voltage: 300 Vr.m.s, 1ma, 60s
- Mechanical requirements
Durability: ≥ 50 cycles (plating code 7)
Durability: ≥ 250 cycles (plating code 8)
- Environment specification
Working temperature: -20°C ~ +85°C
Resistance to soldering heat: 260°C $\pm$ 5°C, 10s
- Packing & storing
① Method of packing: Tray, outer Box
Storing condition: Temperature of -10°C ~ +40°C
below 80% relative humidity
- Style of installation: SMT & solder pcb installation
& press-fit pcb Installation
- To prevent the pollution of the environment product info
RoHS agreement: In line with the european union RoHS.

1870 - XX X - X X - X

Series Code	Terminal Number	Tail Type	Shell tail Type	Plating	Insulator Material&Color
	36	Code Definition	Code Definition	Code Definition	Code Definition
		1 SMT & Vertial Combo Type	X See Table A	7 Au 0.38 μ m Sn 3-5 μ m	3 LCP black UL94V-0
				8 Au 0.76 μ m Sn 3-5 μ m	

						Mini sas internal 36Pin SMT Vertical Combo connector 0.8mm pitch I/O	SL0.1870.101			
②	2	SN-00002864	Lin Zhao	2013.07.03			Projection	Rev.	Weight	Scale
Mark	NO.	File NO.	Signature	Date				A1		
DRAW		Lin Zhao 2013.05.04								
CHK						1870-361-XX-X	All Dimensions in mm Sheet 1 of 3			
MAN							 SHINNING SHENZHEN SHINNING ELECTRONIC CO.,LTD.			
STD										
APP										

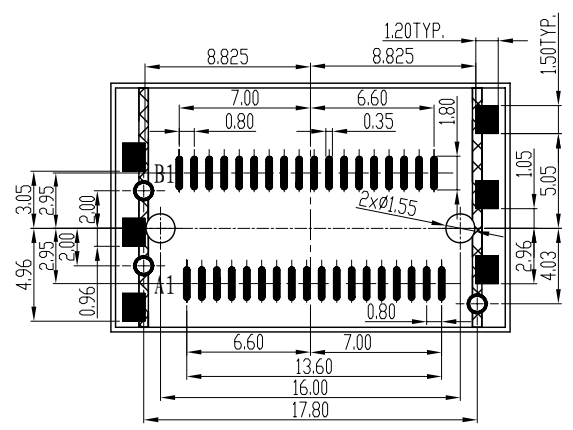
SHELL PCB INTERFACE



T/H SHELL OPTION

RETENTION-FIT SHELL OPTION

SMT SHELL OPTION



SMT Shell Recommended PCB Layout

Unless otherwise specified tolerance:

X.	± 0.50	X. °	± 3°
.X	± 0.38	.X°	± 2°
.XX	± 0.25		

⑧	2	SN-00002864	Lin Zhao	2013.07.03
Mark	NO.	File NO.	Signature	Date
DRAW			Lin Zhao	2013.05.04
CHK				
MAN				
STD				
APP				

Mini sas internal 36Pin
SMT Vertical Combo connector
0.8mm pitch I/O

1870-361-XX-X

SL0.1870.101			
Projection	Rev.	Weight	Scale
	A1		
All Dimensions in mm		Sheet 2 of 3	
 SHINNING SHENZHEN SHINNING ELECTRONIC CO.,LTD.			

Table A:
The 8th spec code definition:

Code	Shell keys Option	Shell PCB Option
1	Universal	T/H A=1.96
2	Dual	
3	Left	
4	Right	
D	Universal	T/H A=2.79
E	Dual	
F	Left	
G	Right	
H	Universal	T/H A=3.18
J	Dual	
K	Left	
M	Right	
N	Universal	T/H A=3.56
P	Dual	
Q	Left	
R	Right	
5	Universal	SMT A=1.96
6	Dual	
7	Left	
8	Right	
9	Universal	Retention A=1.96
A	Dual	
B	Left	
C	Right	

					Mini sas internal 36Pin SMT Vertical Combo connector 0.8mm pitch I/O	SL0.1870.101			
⑧	2	SN-00002864	Lin Zhao	2013.07.03		Projection	Rev.	Weight	Scale
Mark	NO.	File NO.	Signature	Date			A1		
DRAW	Lin Zhao 2013.05.04					All Dimensions in mm			
CHK						1870-361-XX-X	Sheet 3 of 3		
MAN							 SHINNING SHENZHEN SHINNING ELECTRONIC CO.,LTD.		
STD									
APP									