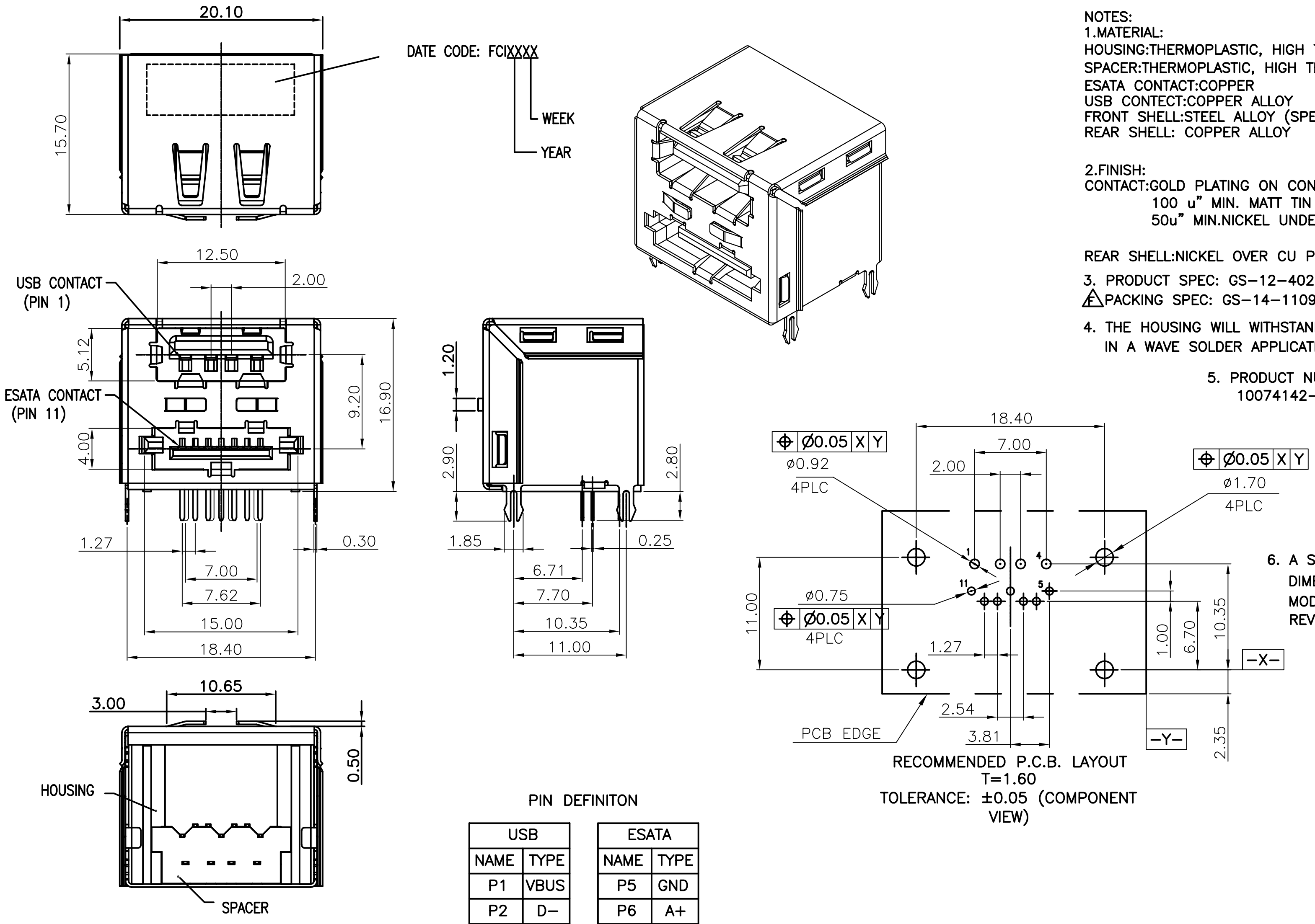
Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



RECOMMENDED P.C.B. LAYOUT
T=1.60
TOLERANCE: ±0.05 (COMPONENT VIEW)

NOTES:
1.MATERIAL:
HOUSING:THERMOPLASTIC, HIGH TEMP, 30% G/F UL94 V-0(BLACK)
SPACER:THERMOPLASTIC, HIGH TEMP, 30 % G/F UL94 V-0(BLACK)
ESATA CONTACT:COPPER
USB CONTECT:COPPER ALLOY
FRONT SHELL:STEEL ALLOY (SPET)
REAR SHELL: COPPER ALLOY

2.FINISH:
CONTACT:GOLD PLATING ON CONTACT AREA
100 u" MIN. MATT TIN PLATING ON SOLDERTAILS
50u" MIN.NICKEL UNDERPLATING OVER ALL

REAR SHELL:NICKEL OVER CU PLATING

3. PRODUCT SPEC: GS-12-402
F PACKING SPEC: GS-14-1109

4. THE HOUSING WILL WITHSTAND EXPOSURE TO 260C FOR 10 SEC IN A WAVE SOLDER APPLICATION WITH A 1.6MM PCB.

5. PRODUCT NUMBERING
10074142-0 0 X X LF —— LEAD FREE
PACKING:
BLANK: TRAY
1: 15u" GOLD PLATING
0: LAYOUT #1

6. A SYMBOL F WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

PIN DEFINITON

USB	
NAME	TYPE
P1	VBUS
P2	D–
P3	D+
P4	GND

ESATA	
NAME	TYPE
P5	GND
P6	A+
P7	A–
P8	GND
P9	B–
P10	B+
P11	GND

mat'l. code

ltr	ecn no	dr	date
A	T09–1094	S.Lin	06/26/09
B	T10–0034	S.Lin	02/05/10
C	T10–0137	S.Lin	10'–08–23
D	T–005421	S.Lin	11'–08–31
E	ELX–S–007177	HKL	2011–10–20
F	ELX–S–14970	HKL	2013–06–13

tolerances unless otherwise specified

linear	.X	± 0.38
	.XX	± 0.25
	.XXX	± 0.15
angles	0°	±2°

dr	Sterling Lin	06/26/09
engr	HK LIM	2013–06–13
chr	HK LIM	2013–06–13
appd	CH TAN	2013–06–13

CUSTOMER
COPY

projection

MM

scale
NA

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title
USB OVER ESATA, R/A , DIP TYPE

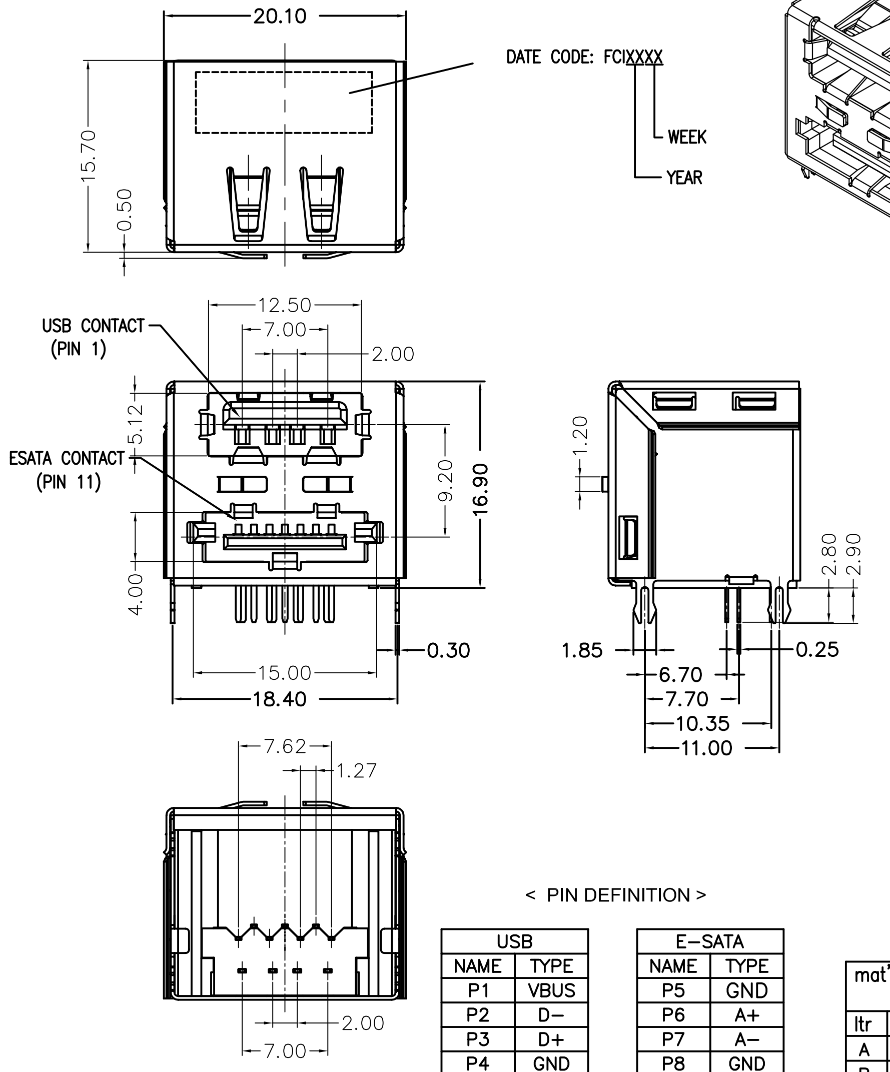
product family SATA
code TWN
size A4
dwg no 10074142
sheet 1 of 3

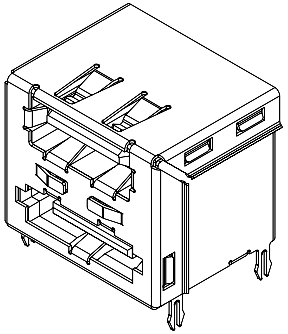
sheet index				
revision	F	F	F
sheet	1	2	3

cage code

ACAD

PDS: Rev :F STATUS:Released Printed: Sep 13, 2013





NOTES:
1.MATERIAL:
HOUSING:THERMOPLASTIC, HIGH TEMP, 30% G/F UL94 V-0(BLACK)
SPACER:THERMOPLASTIC, HIGH TEMP, 30 % G/F UL94 V-0(BLACK)
ESATA CONTACT:COPPER
USB CONTACT:COPPER ALLOY
FRONT SHELL:STEEL ALLOY (SPET)
REAR SHELL: COPPER ALLOY

2.FINISH:
CONTACT:GOLD PLATING ON CONTACT AREA
100 u" MIN. MATT TIN PLATING ON SOLDERTAILS
50u" MIN.NICKEL UNDERPLATING OVER ALL

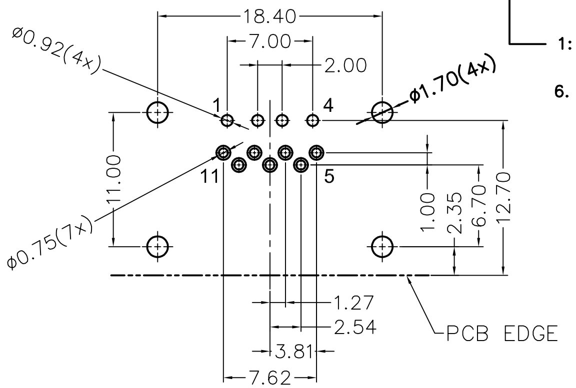
REAR SHELL:NICKEL OVER CU PLATING

3. PRODUCT SPEC: GS-12-402
F PACKING SPEC: GS-14-1109

4. THE HOUSING WILL WITHSTAND EXPOSURE TO 260C FOR 10 SEC IN A WAVE SOLDER APPLICATION WITH A 1.6MM PCB.

5. PRODUCT NUMBERING
10074142-1 0 X X LF —— LEAD FREE
PACKING:
BLANK: TRAY
1: F 30u" GOLD PLATING AT USB CONTACTS
15u" GOLD PLATING AT ESATA CONTACTS
1: LAYOUT #2

6. A SYMBOL F WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION



RECOMMENDED PCB LAYOUT(T=1.60mm)
TOLERANCE: ±0.05

< PIN DEFINITION >

USB	
NAME	TYPE
P1	VBUS
P2	D−
P3	D+
P4	GND

E-SATA	
NAME	TYPE
P5	GND
P6	A+
P7	A−
P8	GND
P9	B−
P10	B+
P11	GND

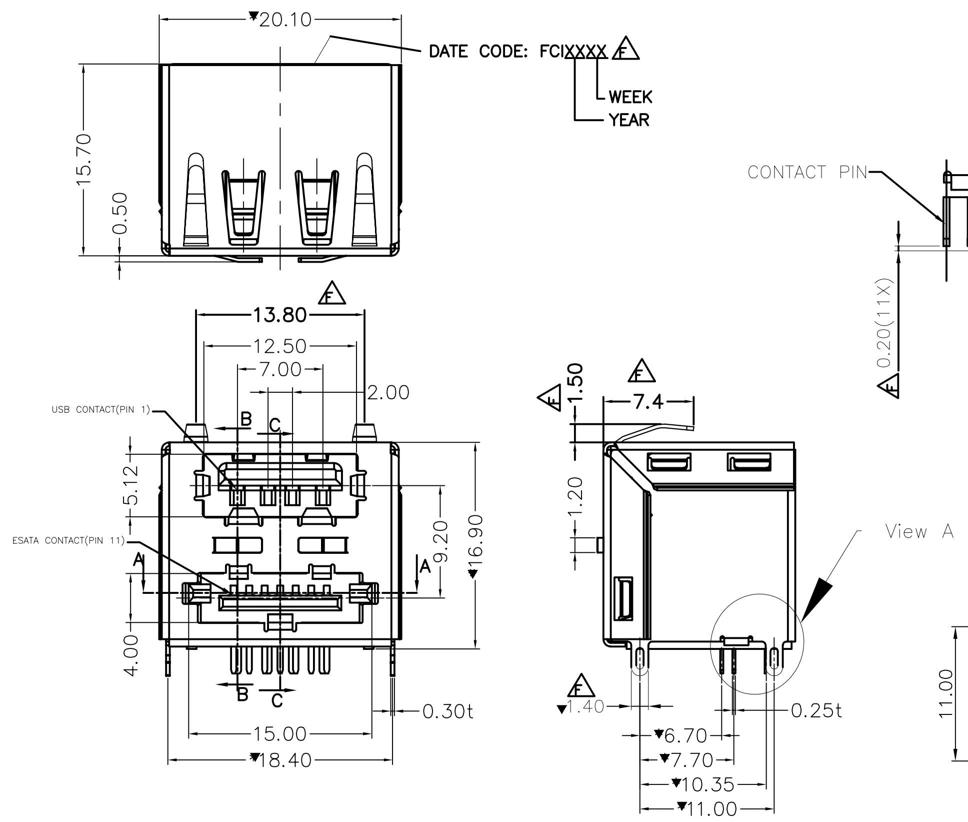
mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com	
ltr	ecn no	dr	date	linear	.X ± 0.38		projection	title USB OVER ESATA, R/A , DIP TYPE	
A	T09-1094	S.Lin	06/26/09		.XX ± 0.25				
B	T10-0034	S.Lin	02/05/10		.XXX ± 0.15				
C	T10-0137	S.Lin	10'-08-23	angles	0° ±2°				
D	T-005421	S.Lin	11'-08-31	dr	Sterling Lin	06/26/09	MM	product family SATA	code TWN
E	ELX-S-007177	HKL	2011-10-20	engr	HK LIM	2013-06-13		size A4	dwg no 10074142
F	ELX-S-14970	HKL	2013-06-13	chr	HK LIM	2013-06-13	scale NA		sheet 2 of 3
				appd	CH TAN	2013-06-13			

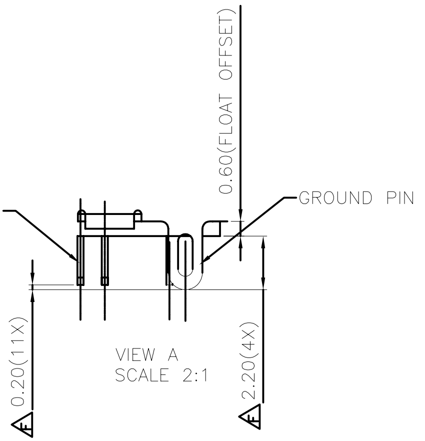
sheet index	revision	F	F	F
	sheet	1	2	3

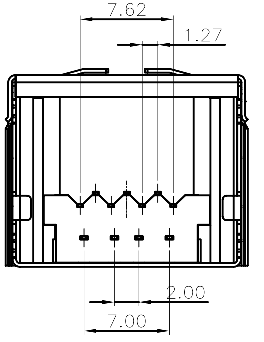
cage code

ACAD

PDS: Rev :F STATUS:Released Printed: Sep 13, 2013



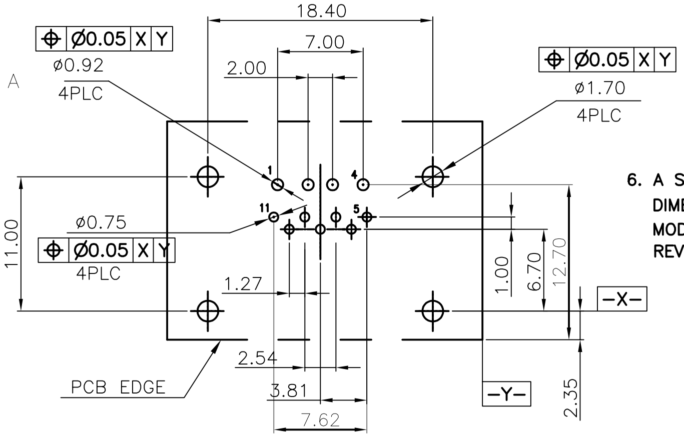




PIN DEFINITON

USB	
NAME	TYPE
P1	VBUS
P2	D–
P3	D+
P4	GND

ESATA	
NAME	TYPE
P5	GND
P6	A+
P7	A–
P8	GND
P9	B–
P10	B+
P11	GND



RECOMMENDED P.C.B. LAYOUT
T=1.60
TOLERANCE: ±0.05 (COMPONENT VIEW)

NOTES:

1.MATERIAL:
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SPACER:THERMOPLASTIC, HIGH TEMP, 30 % G/F UL94 V–0(BLACK)
ESATA CONTACT:COPPER
USB CONTECT:COPPER ALLOY
FRONT SHELL:STEEL ALLOY (SPET)
REAR SHELL: COPPER ALLOY

2.FINISH:
CONTACT:GOLD PLATING ON CONTACT AREA
F 120u" MIN. MATT TIN PLATING ON SOLDERTAILS
50u" MIN.NICKEL UNDERPLATING OVER ALL

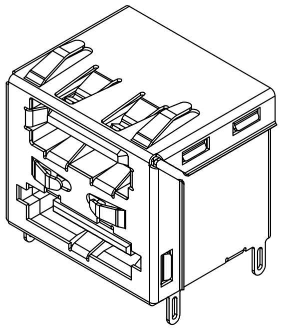
REAR SHELL:NICKEL OVER CU PLATING

3. PRODUCT SPEC: GS–12–402
F PACKING SPEC: GS–14–1109

4. THE HOUSING WILL WITHSTAND EXPOSURE TO 260C FOR 10 SEC IN A WAVE SOLDER APPLICATION WITH A 1.6MM PCB.

5. PRODUCT NUMBERING
F 10074142–2 0 X X LF —— LEAD FREE
PACKING:
BLANK: TRAY
1: 30u" GOLD PLATING AT USB CONTACTS;
15u" GOLD PLATING AT ESATA CONTACTS
2: LAYOUT #2

6. A SYMBOL F WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION



mat'l. code

ltr	ecn no	dr	date
A	T09–1094	S.Lin	06/26/09
B	T10–0034	S.Lin	02/05/10
C	T10–0137	S.Lin	10'–08–23
D	T–005421	S.Lin	11'–08–31
E	ELX–S–007177	HKL	2011–10–20
F	ELX–S–14970	HKL	2013–06–13

tolerances unless otherwise specified

linear	.X	± 0.38
	.XX	± 0.25
	.XXX	± 0.15
angles	0°	±2°

dr	Sterling Lin	06/26/09
engr	HK LIM	2013–06–13
chr	HK LIM	2013–06–13
appd	CH TAN	2013–06–13

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projection

MM

scale NA

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title
USB OVER ESATA, R/A , DIP TYPE

product family SATA

code TWN

size A4

dwg no 10074142

sheet 3 of 3

sheet index	revision	F	F	F
	sheet	1	2	3

cage code

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