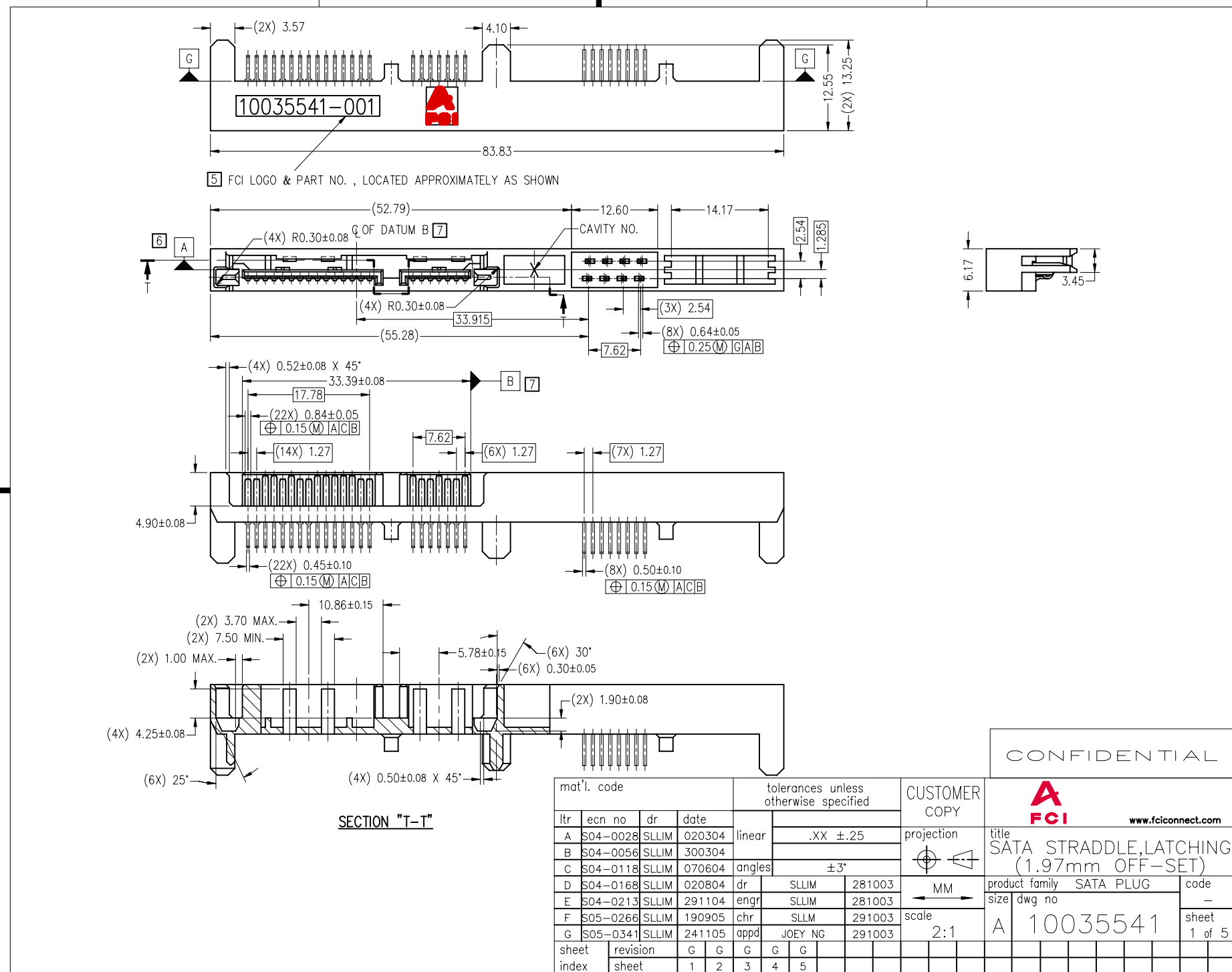


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B	S04-0056	SLLIM	300304	angles	±3°			
C	S04-0118	SLLIM	070604	dr	SLLIM	281003	MM	product family SATA PLUG
D	S04-0168	SLLIM	020804	enrg	SLLIM	281003	scale	code -
E	S04-0213	SLLIM	291104	chr	SLLM	291003	2:1	size dwg no
F	S05-0266	SLLIM	190905	appd	JOEY NG	291003		A 10035541
G	S05-0341	SLLIM	241105					sheet 1 of 5
sheet index	revision sheet	G	G	G	G	G		

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title  
SATA STRADDLE,LATCHING  
(1.97mm OFF-SET)

product family  
SATA PLUG

code  
-

size  
dwg no

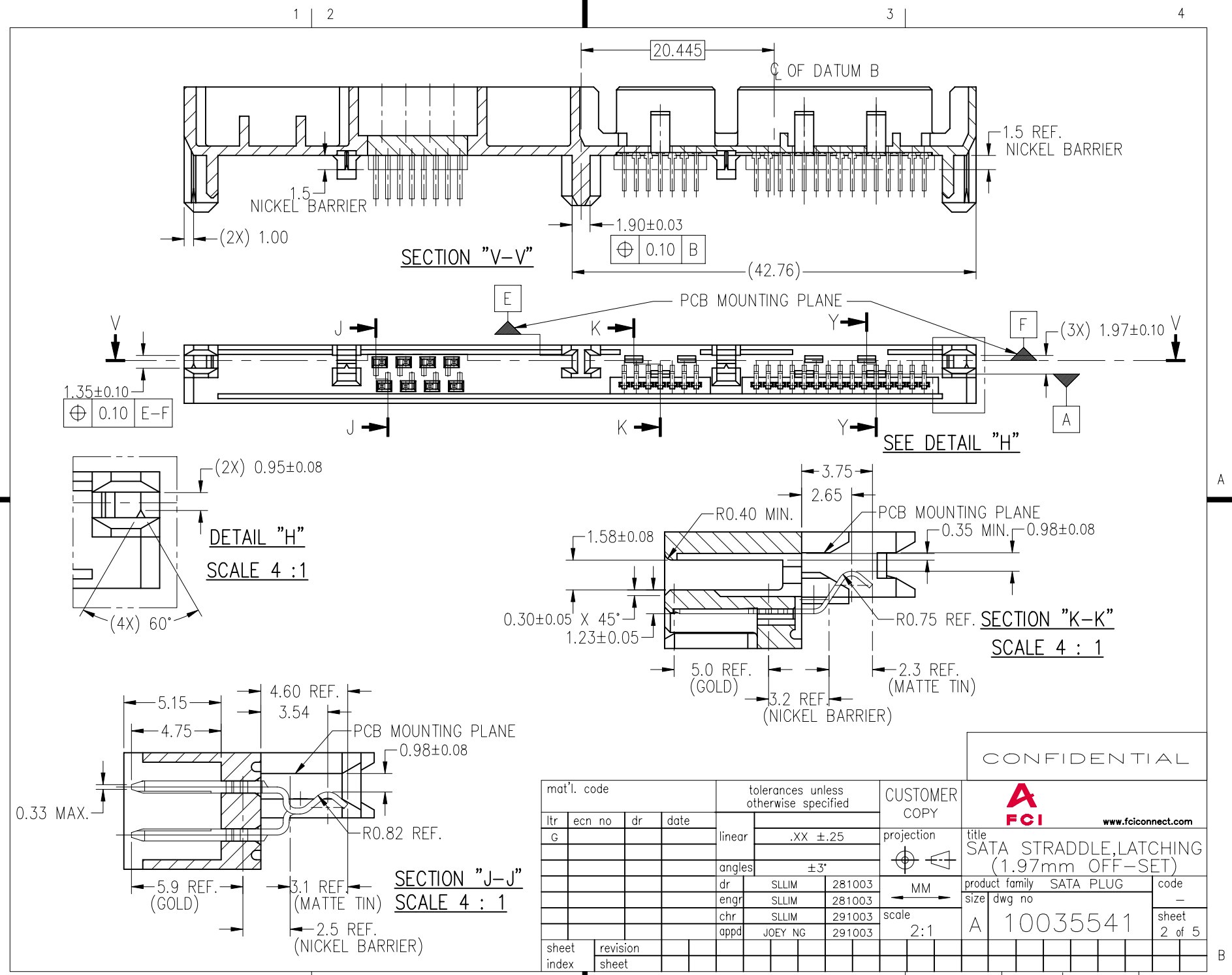
A 10035541

sheet  
1 of 5

cage code  
22526

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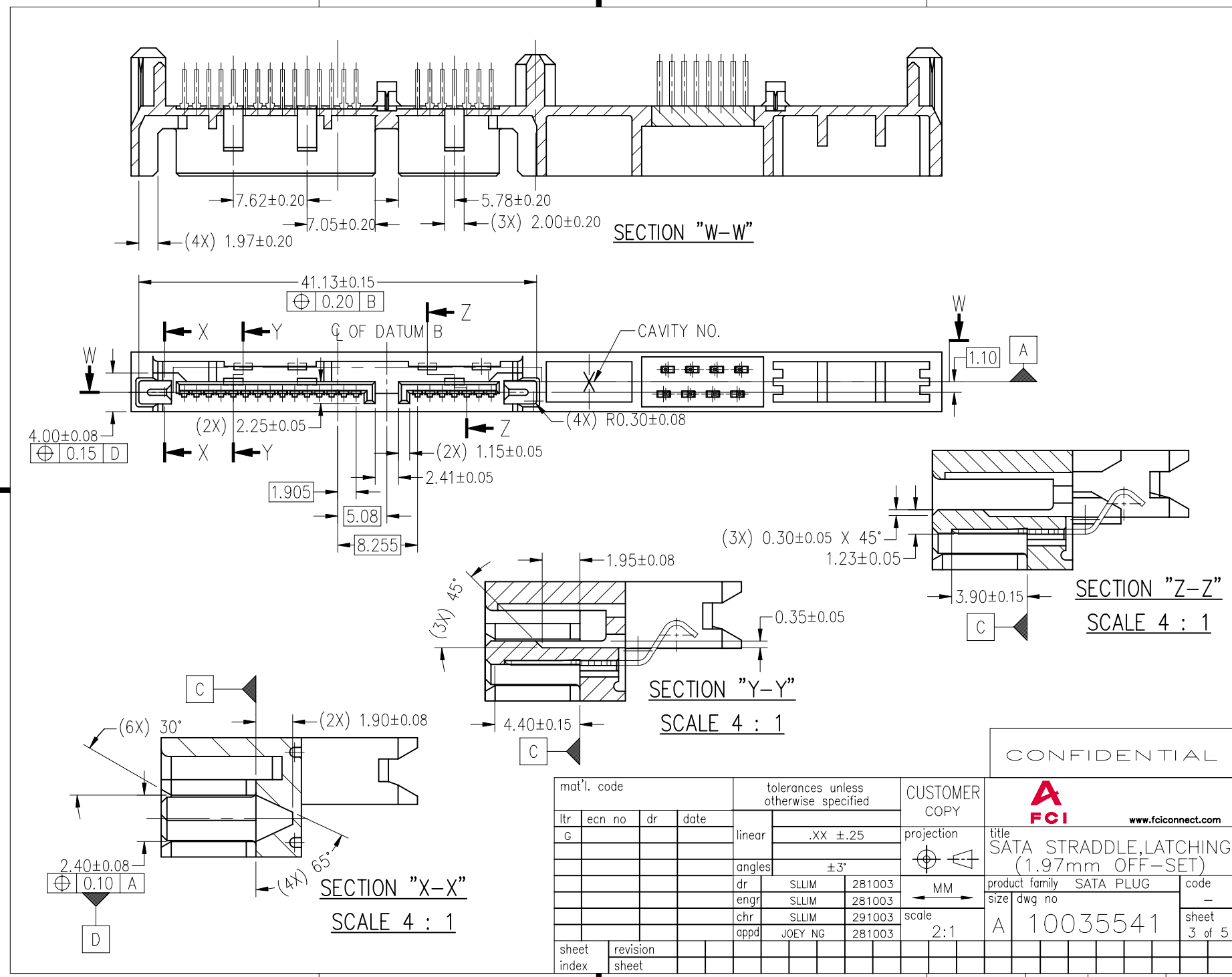


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G							SATA STRADDLE,LATCHING (1.97mm OFF-SET)		
				angles	±3°	 MM	product family		code
				dr	SLLIM 281003		SATA PLUG		-
				enr	SLLIM 281003	scale	size		sheet
				chr	SLLIM 291003		dwg no		2 of 5
				appd	JOEY NG 291003	2:1	A 10035541		
sheet index	revision sheet						cage code		
							22526		

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				dr	SLLIM 281003	MM	size	dwg no	
				enrg	SLLIM 281003	scale	A	10035541	sheet 3 of 5
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				appd	JOEY NG 281003				
sheet index	revision sheet								

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ACAD

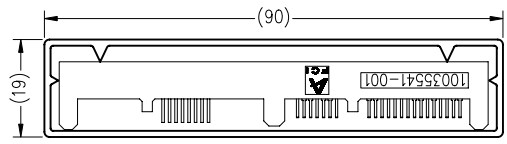
PDM: Rev:G

STATUS: Released

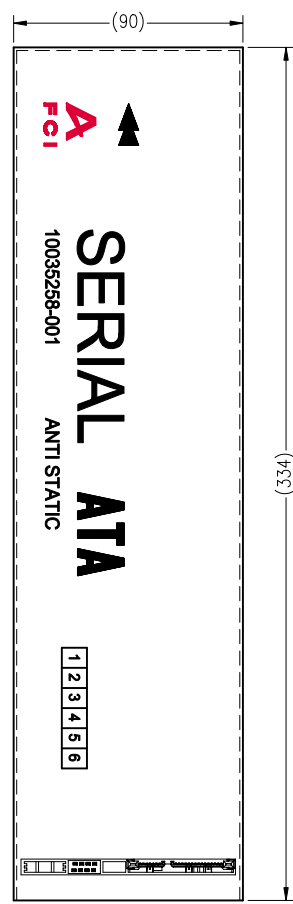
Printed: Feb 10 2007

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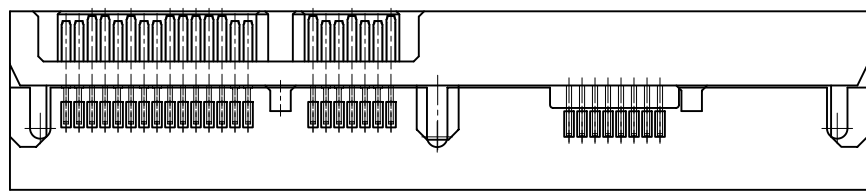
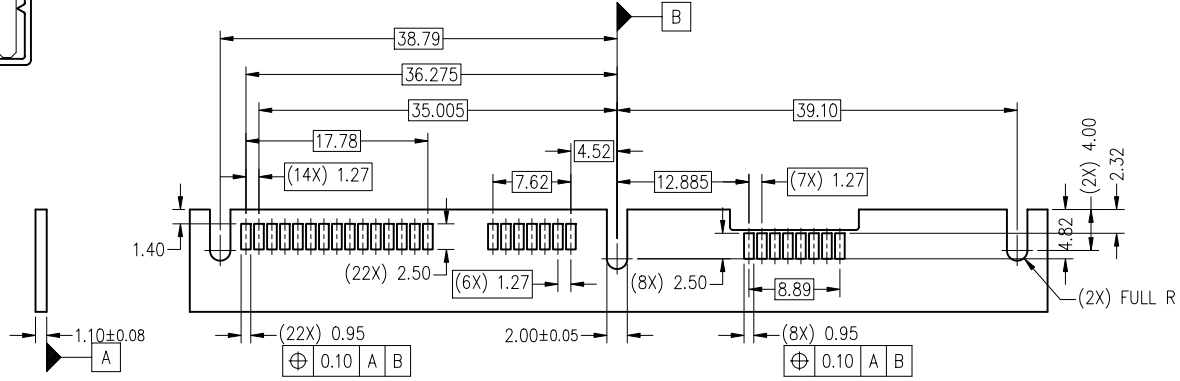


SCALE 1:1



SCALE 1:2

NOTES:  
 CONNECTOR ORIENTATION IN PACKAGING  
 50 PIECES PER CARTRIDGE TUBE  
 MATERIAL THICKNESS 1.20±0.15mm.  
 GENERAL TOLERANCE ±0.25mm  
 (STOPPER NOT SHOWN)



RECOMMENDED PCB LAYOUT

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G					±3°				SATA STRADDLE,LATCHING (1.97mm OFF-SET)		
				angles	±3°			MM	product family		
				dr	SLLIM	281003	SATA PLUG		code		
				enrg	SLLIM	281003	size	dwg no		-	
				chr	SLLIM	291003	scale	A		sheet	
				appd	JOEY NG	291003	2:1	10035541		4 of 5	
sheet index		revision sheet									

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NOTES :

1. MATERIALS:

A. HOUSING:

HIGH TEMPERATURE THERMOPLASTIC MATERIAL, UL 94V-0, COLOR: BLACK. MAXIMUM REGRIND MATERIAL IS NOT TO EXCEED 25% MOLD FLASH SHALL NOT COVER ANY PORTION OF THE MATING CONTACT SURFACE AND SHALL NOT EXCEED 0.15 mm (.006") MAXIMUM AT NON-CRITICAL OR FUNCTION AREAS.

B. CONTACT PIN: COPPER ALLOY (BRASS).

2. FINISH:

A. SATA SIGNAL & POWER PINS: (MATING SIDE)

1.27um [50u"] MINIMUM, 2.54um [100u"] MAXIMUM NICKEL UNDER PLATE WITH 0.127um [5u"] MINIMUM GOLD IN CONTACT AREA.

B. 0.64mm JUMPER PINS (MATING SIDE)

1.27um [50u"] MINIMUM, 2.54um [100u"] MAXIMUM NICKEL UNDER PLATE WITH 0.127um [5u"] MINIMUM GOLD IN CONTACT AREA.

C. ALL SOLDER TAILS:

1.91um [75u"] MINIMUM LEAD-FREE (100%) TIN, PLATING COVERAGE: 95% MINIMUM FOR UNDER AND OVERPLATE.

3. SOLDER TAIL REQUIREMENTS:

ENTIRE DATA PIN IS TO BE PLATED. EXPOSED BASE METAL AT END OF SOLDER TAIL (DUE TO FABRICATION PROCESS) IS ACCEPTABLE. IF SOLDER FABRICATION REQUIRES A SHEARING PROCESS. A SHEAR DIRECTION OF BOTTOM TO TOP OF SOLDER TAIL IS PREFERRED TO ALLOW FOR PLATING WIPE AT THE END OF TAIL.

4. WARPAGE REQUIREMENTS: (BOW AND TWIST)  
MAXIMUM WARPAGE 0.13 mm (.005") OVER THE LENGTH OF THE CONNECTOR, BEFORE AND AFTER EXPOSURE TO 225°C FOR 1 MINUTE, 235°C FOR 15 SECONDS AND 260°C OF 10 SECONDS.

IN ADDITION:

PIN RETENTION FORCE: 1.32LBS (0.6kg) MINIMUM PER PIN.

5. PART MARKING: MANUFACTURE NAME AND / OR LOGO SHALL BE MARKED ON THE SURFACE OF THE CONNECTOR APPROXIMATELY WHERE SHOWN. HEIGHT OF CHARACTERS TO BE MAXIMUM POSSIBLE. MARKING MUST WITHSTAND CLEANING IN ISOPROPYL ALCOHOL, SAPONIFIER AND 75° WATER FOR A 4 MINUTE DURATION. READING DIRECTION AS INDICATED.

6. [-A-] IS DEFINED AS THE TOP PORTION OF THE NOTED BLADE SURFACE.

7. [-B-] IS DEFINED AS THE CENTERLINE OF THE [33.915] DIMENSION.

8. TYPICAL WALL THICKNESS (1.0 mm).


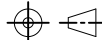
9. ALTERNATE CORING AND RIB CONSTRUCTION FOR MOLDING PROCESS.

10. PACKAGING - 50 CONNECTOR PER CARTRIDGE TUBE.

11. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

12. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

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G					±3°			SATA STRADDLE,LATCHING (1.97mm OFF-SET)			
				angles	±3°		 MM	product family		code	
				dr	SLLIM	281003		SATA PLUG		-	
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				appd	JOEY NG	291003	2:1				
sheet index	revision sheet										

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