

10029065-001LF - SATA : 22
Position Vertical Surface
Mount Receptacle

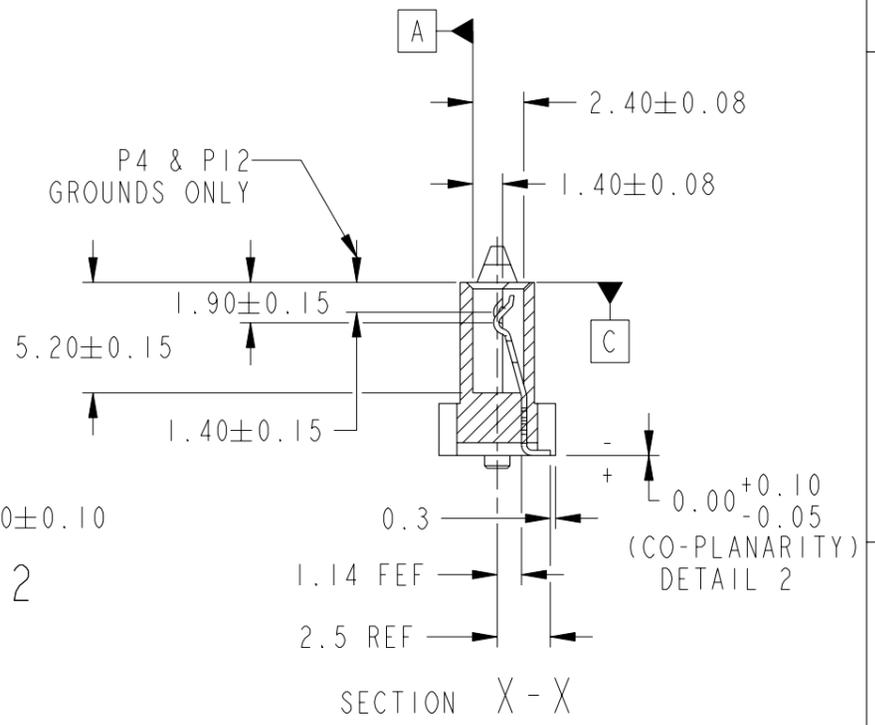
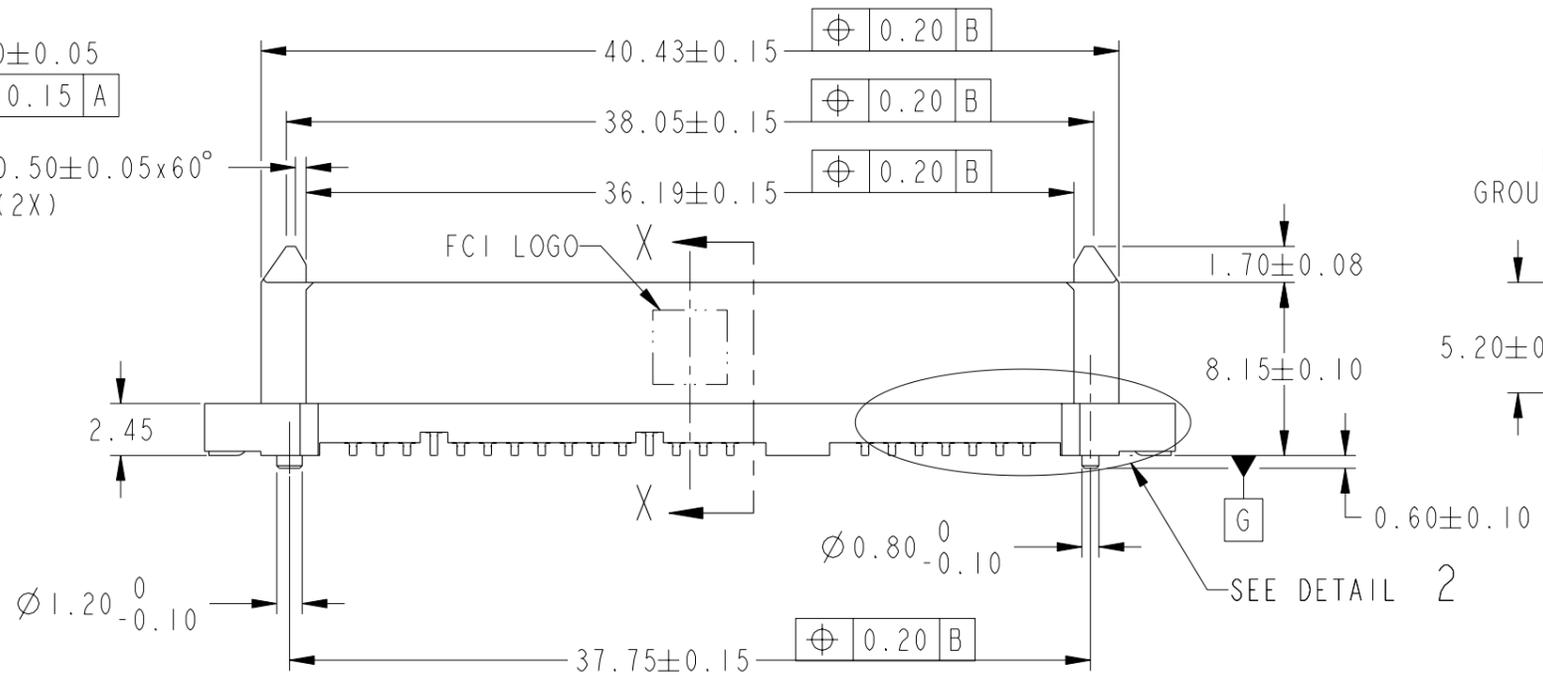
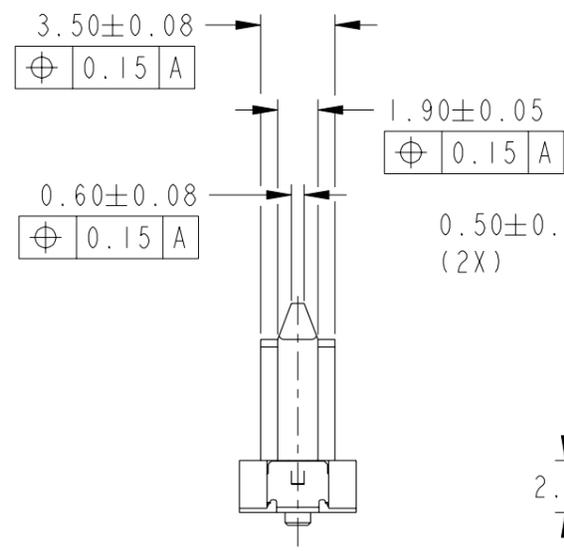
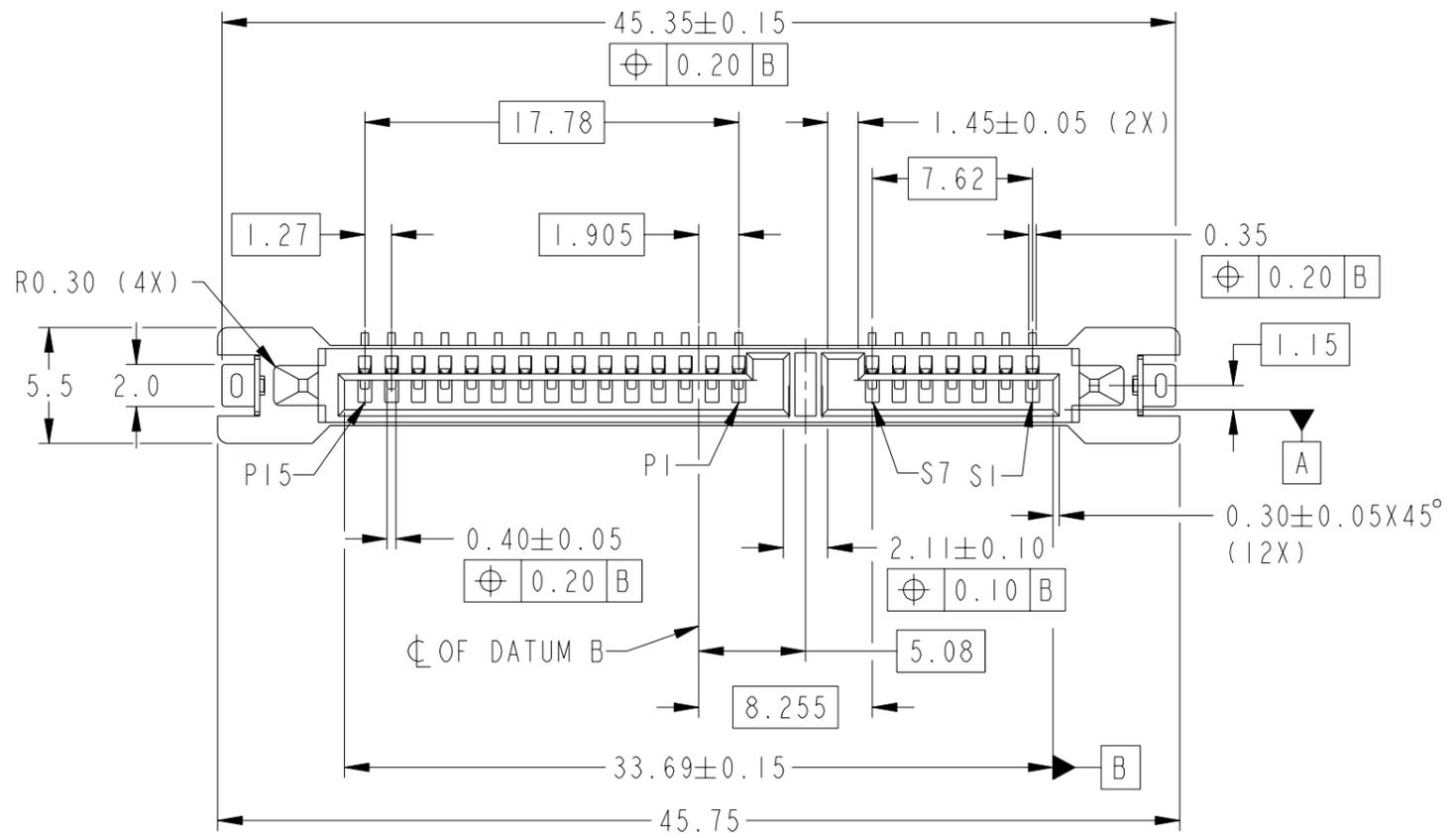


www.fci.com

Specifications

General	
Number of contacts	22
Orientation	Vertical
Retention Feature	Surface Mount Pad
Electrical	
Current rating	1.5A at 30°C
Resistance (Contact)	15 M-ohms max.
Resistance (Insulation)	1000 M-ohms min.
Voltage rating	500V AC
Mechanical	
Durability (Mating cycles)	500 Mating Cycles
Mounting	
Termination	Surface Mount
Physical	
Color (Housing)	Black
Material (Contact)	Copper Alloy
Material (Housing)	Thermoplastic (UL 94 V-O)
Plating (Contact)	30u" Gold
Temperature (Operating - range)	260°C max. for 10 Seconds
Approvals / Certifications	
Approvals / Certifications	UL and CSA Pending
Other Features	
Packaging (Type)	Tube/Tray
Type	Combo Receptacle

PRODUCT NO
SEE TABLE



Copyright FCI.

spec ref	-	dr	GL LOO	2004-02-27	projection	MM	size	A3	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	GL LOO	2004-02-27			ecn no	S10-0228	rel level	-
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	GL LOO	2010-10-28						
surface	ISO 1302	appr	JOEY NG	2010-10-28			rel level	-		
	linear	0.X	±							
		0.XX	±0.20							
		0.XXX	±							
	angular	0°	±2°							

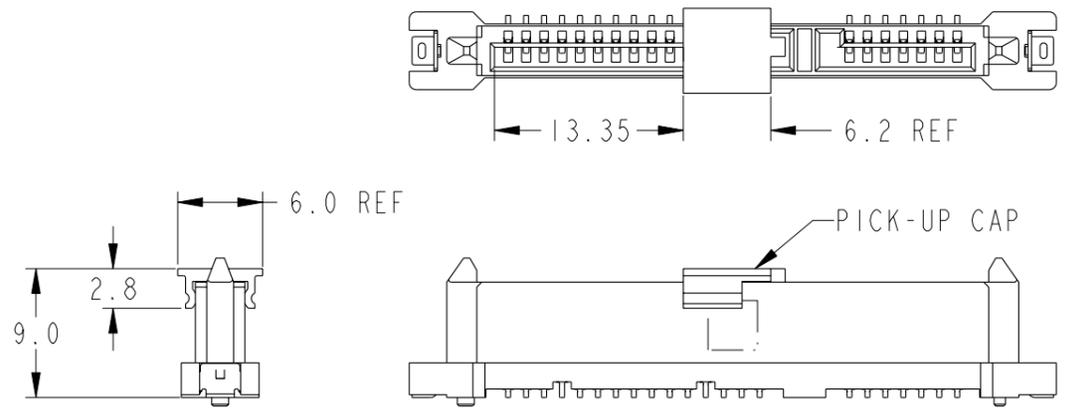
FCI
 www.fci.com

title: S-ATA COMB RECEP
 VERTICAL SMT TYPE ASSY
 cat. no.: -
 Product - Customer Drw

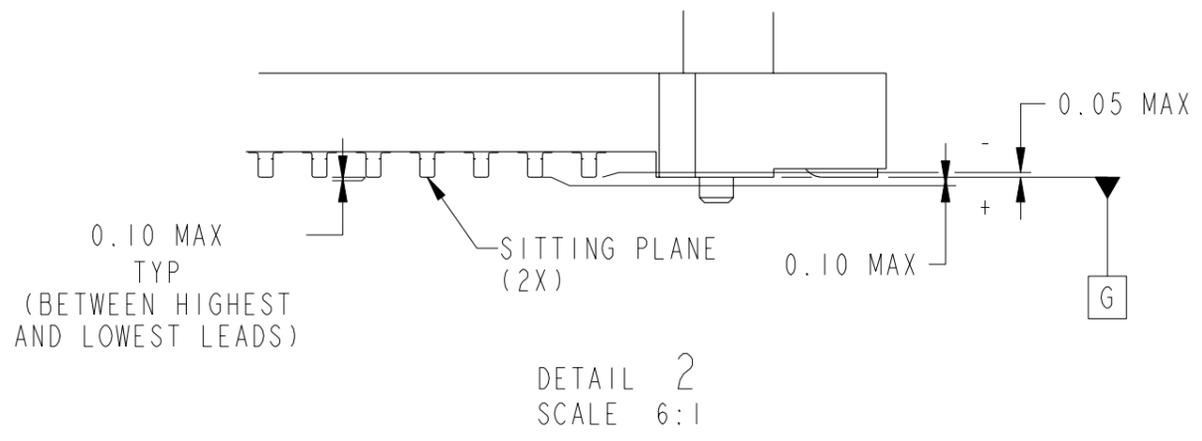
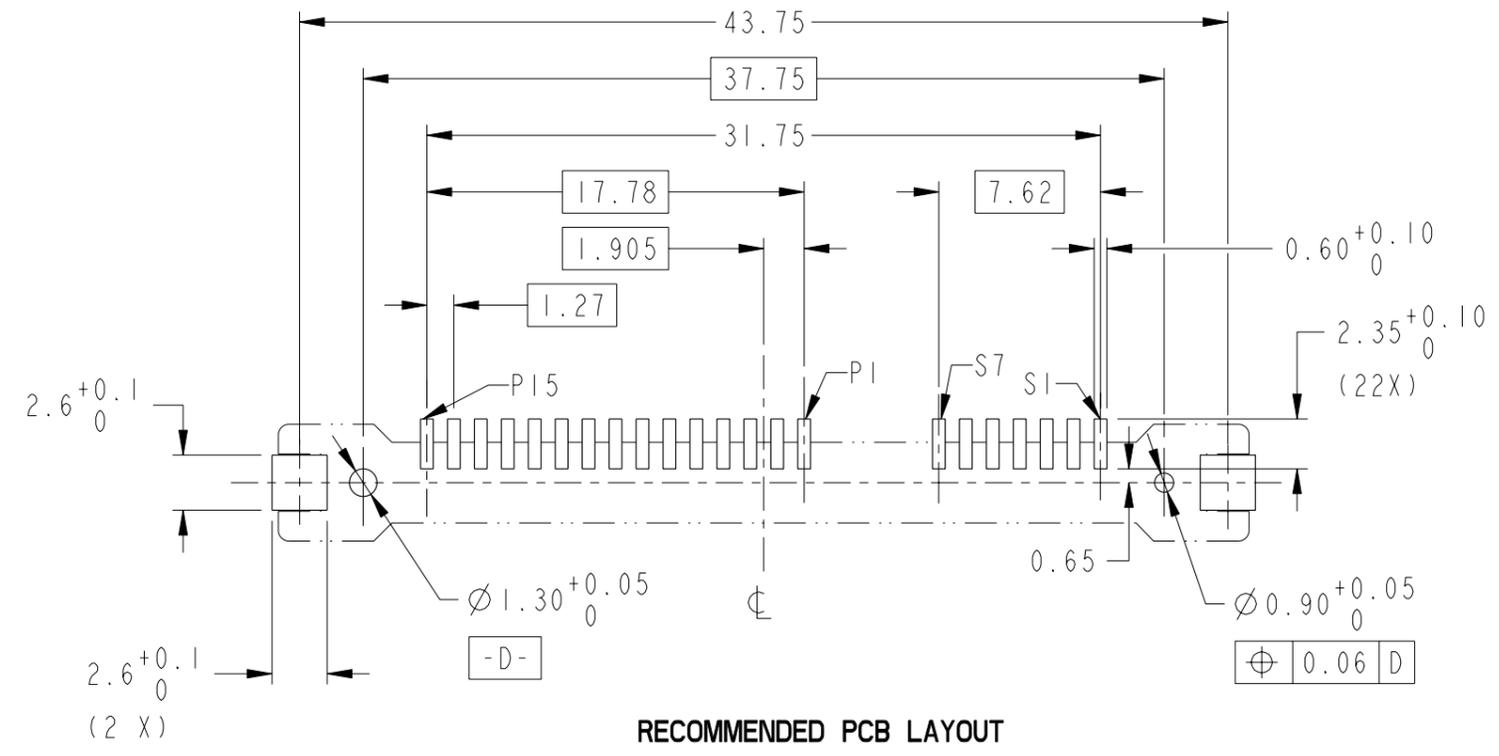
dwg no: 10029065
 rev: H
 sheet 1 of 3

PRODUCT NO	PLATING	PICK- UP CAP	PACKAGING	REMARKS	PRODUCT NO	PLATING
10029065-001LF	NOTE ③	NO	TRAY	-	10029065-401LF	NOTE ⑪
10029065-001CLF		YES		SEE NOTE ④	10029065-401CLF	
10029065-001C-TRLF		YES	TAPE & REEL	SEE NOTE ⑨	10029065-401C-TRLF	

NOTE 11



PART WITH PICK-UP CAP, SEE NOTE ④
SCALE 2:1



FCI
Copyright FCI.

spec ref	-	dr	GL LOO	2004-02-27	projection	MM	size	A3	scale	3:1
tolerance std	ISO 406 ISO 1101	eng	GL LOO	2004-02-27			ecn no	S10-0228	rel level	-
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	GL LOO	2010-10-28						
surface	ISO 1302	appr	JOEY NG	2010-10-28			rel level	-		
		linear	0.X	±-			title	S-ATA COMB RECEP	dwg no	10029065
			0.XX	±0.20				VERTICAL SMT TYPE ASSY		rev
		angular	0°	±2°						H
		cat. no.		-	Product - Customer		Drw	sheet 2 of 3		

NOTES:

- 1 THIS PRODUCT MEETS THE SATA SPEC REV. 1.0a
- 2 MATERIAL :
 - 1) HOUSING : HIGH TEMP TERMOPLASTIC, UL 94V-0
 - COLOR : BLACK
 - 2) TERMINAL : COPPER ALLOY
 - 3) HOLD DOWN : COPPER ALLOY
- ③ FINISH :
 - 1) TERMINAL : 30μ" Au PLATING (CONTACT POINT) OVER 50μ" NICKEL
 - 2) SOLDER TAIL : 50μ" min Sn OVER 50μ" NICKEL
 - 3) HOLD DOWN : 50μ" min Sn OVER 50μ" NICKEL
- ④ PART WITH PICK-UP CAP, P/N XXXXXXXX-XXX_C LF
- ⑤ THE STD PACKAGING IS IN TRAY UNLESS OTHERWISE SPECIFIED.
- 6 THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑦ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- ⑧ PART NUMBERS ENDING IN"LF" MEANS FOR NOTE 7 LEAD FREE IDENTIFICATION
 - (i) ~~P/N XXXXXXXX-XXXLF IS EQUIVALENT TO PREVIOUS P/N XXXXXXXX-XXX~~
 - (ii) ~~P/N XXXXXXXX-XXXCLF IS EQUVALENT TO PREVIOUS P/N XXXXXXXX-XXXC~~
- ⑨ FOR TAPE & REEL PACKAGING, SUFFIX "-TR" ADDED.
P/N XXXXXXXX-XXXC-TR LF
- ⑩ A $\triangle H$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION
- ⑪ FINISH :
 - 1) TERMINAL : 15μ" GXT PLATING (CONTACT POINT) OVER 50μ" NICKEL
 - 2) SOLDER TAIL : 50μ" min Sn OVER 50μ" NICKEL
 - 3) HOLD DOWN : 50μ" min Sn OVER 50μ" NICKEL



Copyright FCI.

spec ref	-	dr	GL LOO	2004-02-27	projection	MM	size	A3	scale	3:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	GL LOO	2004-02-27			ecn no		SI0-0228			
ISO 406		chr	GL LOO	2010-10-28			rel level		-			
ISO 1101		appr	JOEY NG	2010-10-28			product family		S-ATA			
surface		linear	0.X	±-	title		S-ATA COMB RECEP		dwg no	10029065	rev	H
ISO 1302	angular	0°	±2°	www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 3