



Recommended P.C.B Layout (Component Side)  
T=0.16±0.05mm, Default Tolerance: ±0.05

**SPECIFICATION**  
**MATERIAL**  
 Insulator: LCP, rated UL94V-0  
 Spae: LCP, rated UL94V-0  
 U2 Contacts: Phosphor Bronze  
 U3 Contacts: Brass  
 Fornt Shell: Stainless steel  
 Black Shell: Stainless steel  
 Clip: Steel  
**CONTACT PLATING**  
 Underplate: 80u"~160u" Nickel  
 Contact area: Select gold  
 Solder tails area: 100u"~200u" Tin (Lead Free)  
**FORNT SHELL PLATING.**  
 Underplate: 40u"min. Cu, 50u"~100u" Nickel.  
**ELECTRICAL**  
 Current rating: 1.8A For VBUS Pin And its Corresponding GND Pin.  
 0.25A Min. For All other Contacts.  
 Contact resistance: Initial 30 Milliohms max. For VBUS Pin And GND Pin.  
 Initial 50 Milliohms Max. For All other Contacts.  
 After Durability 10 Milliohms Max. change  
 Insulation resistance: 100 Megohms Min.  
 Dielectric withstanding voltage: 100V AC (RMS)  
 Operating Temperature: -55°C TO +85°C  
 Mating Force: 35N Max.  
 Unmating Force: 10N Min. Initial, 8N Min. After Durability.  
 Durability: 5000 cycles  
 Recommended process: Wave solder 260°, 3~5 seconds.  
 Part no. 377 A D 18 F C T SF P 1 A B  
 1 2 3 4 5 6 7 8 9 10 11 12

- 1.SERIES NO. 377=USB 3.0 Series
- 2.A=Standard
- 3.GREEN OPTION: D=RoHS2 (Halogen Free)
- 4.CONTACT NUMBER: 18=9/9 PINS
- 5.CONTACT TYPE: F=FEMALE
- 6.CONTACT AREA PLATING: C=15u" GOLD
- 7.SOLDER TAILS AREA PLATING: T=Tin Plating
- 8.APPLY TYPE: SF=2,4 port
- 9.SHELL PLATING: P=Nickel Plating
- 10.Function 1=W/O 1&3Port(13.03/12.5)
- 11.PACKING STYLE: A=TRAY
- 12.INSULATOR COLOR: B=Blue+Date code

For SIP

UNLESS OTHERWISE SPECIFIED TOLERANCE	
ANG.	±2°
0.	±
.0	±0.30
.00	±0.20



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SCALE: AS SHOWN UNIT: mm  
 DRAWN Jason\_Huang 11/30/2016  
 CHECKED  
 APPROVED

DRAWN NAME: PDR-14071  
 HIGH STACK USB 3.0 A TYPE  
 PRODUCT NO. 377AD18FCTSFP1AB

REV.	DESCRIPTION	DATE	SIZE	REV.	FILE NAME:
1			A4	D	C-377AD18FXTSFP1AX(S06)