



Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V <sub>3.2</sub>	First	B9	V <sub>3.2</sub>	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V <sub>3.2</sub>	First	B1	V <sub>3.2</sub>	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

**Material**  
Housing Material: High temperature thermoplastic  
Contact Terminal: High Grade Copper Alloy  
Metallic Shell: Stainless Steel  
Cover Shell: Iron  
Inner Ground Cover Shell: Stainless Steel  
Mid Plate: Stainless Steel  
Plating  
Data Contact  
Underplating: 50μ" Min. Nickel  
Contact Plating: 1μ" Gold  
Solder Area: 80μ" Matte Tin  
Shell  
Metallic Shell: 50μ" Min. Nickel  
Cover Shell  
Metallic Shell: 80μ" Min. Nickel  
Inner Ground Cover Shell  
Metallic Shell: 50μ" Min. Nickel  
Electrical  
Voltage Rating: 20V DC  
Current Rating: Vbus pins collectively 5.00A, GND pins collectively 6.25A, B5 pin 1.25A, Other pins 0.25A per pin.  
Contact Resistance: 40mΩ Max.  
Insulation resistance: 100 MΩ MIN.  
Dielectric withstanding voltage: 100V AC/Minute  
Mechanical  
Durability: 10,000 cycles  
Mating Force: 5 to 20N  
Unmating Force: 8 to 20N (post test)

建议防水圈规格 (材质硅橡胶)  
(料号: 4505-01001-00A)

USB31-TYPEC-32X41-XFS  
1: Tray 2: Tape reel  
41: IPX7 52: IP54 53: 不防水  
1: G/F 2: 5u" 3: 10u"  
4: 15u" 5: 30u"

MARK	DESCRIPTION	DATE	REVISED	APPROVED	UNSPECIFIED TOLERANCES	DSND	DATE	SCALE: N/A	MODEL TYPE: USB 3.1 CF WATERPROOF CL1.75 H3.46mm DIP TYPE
ΔX					ANGLAR ±5°	DWN	DATE	VIEW:	PART NO.:
ΔX					L ≤ 4 ±0.2	CHKD	DATE	UNIT: mm	DWG NO.:
ΔX					4 < L ≤ 16 ±0.3	APPD	DATE	SIZE: A4	USB31-TYPEC-32X41-XFS
					16 < L ≤ 63 ±0.4				WEIGHT
					L > 63 ±0.5				SHEET
									REVISION
									A0

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