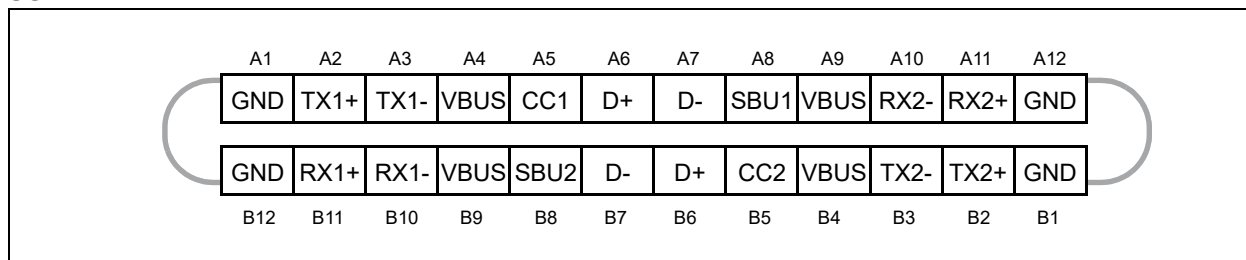
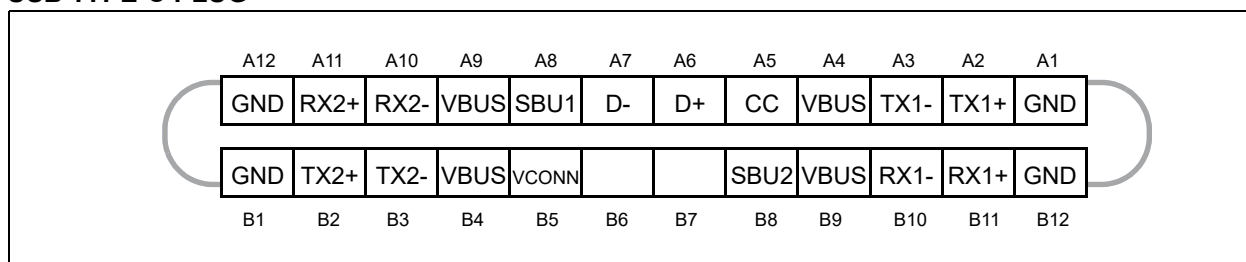


AN1953

USB TYPE-C RECEPTACLE



USB TYPE-C PLUG



USB TYPE-C™ RECEPTACLE PINOUT

Pin	Name	Function	Note
A1	GND	Power	Support for 60W minimum (combined with all VBUS pins)
A2	TX1+	USB3.1 or Alternate Mode	10Gb/s differential pair with TX1-
A3	TX1-	USB3.1 or Alternate Mode	10Gb/s differential pair with TX1+
A4	VBUS	Power	Support for 60W minimum (combined with all VBUS pins)
A5	CC1	CC or VCONN	—
A6	D+	USB2.0	—
A7	D-	USB2.0	—
A8	SBU1	Alternate Mode	Lower speed side band signal
A9	VBUS	Power	Support for 60W minimum (combined with all VBUS pins)
A10	RX2-	USB3.1 or Alternate Mode	10Gb/s differential pair with RX2+
A11	RX2+	USB3.1 or Alternate Mode	10Gb/s differential pair with RX2-
A12	GND	Power	Support for 60W minimum (combined with all VBUS pins)
B1	GND	Power	Support for 60W minimum (combined with all VBUS pins)
B2	TX2+	USB3.1 or Alternate Mode	10Gb/s differential pair with TX2-
B3	TX2-	USB3.1 or Alternate Mode	10Gb/s differential pair with TX2+
B4	VBUS	Power	Support for 60W minimum (combined with all VBUS pins)
B5	CC2	CC or VCONN	—
B6	D+	USB2.0	—
B7	D-	USB2.0	—
B8	SBU2	Alternate Mode	Lower speed side band signal
B9	VBUS	Power	Support for 60W minimum
B10	RX1-	USB3.1 or Alternate Mode	10Gb/s differential pair with RX1+
B11	RX1+	USB3.1 or Alternate Mode	10Gb/s differential pair with RX1-
B12	GND	Power	Support for 60W minimum