



Note:

1. Material:

- 1.1 Insulator: P.B.T UL 94-V0 rated.
- 1.2 Contact: Brass, t=0.25mm.
- 1.3 Shell: Cold rolled steel, t=0.30mm.

2. Specification:

- 2.1 Current rating: 1 A Max.
- 2.2 Dielectric withstanding voltage: 500 V(ac) for 1 minute.
- 2.3 Contact resistance: 30 mW Max.
- 2.4 Insulation resistance: 1000 MW Min at DC 500V.
- 2.5 Temperature range: -55°C~+105°C

3. Finishes:

- 3.1 Contacts: Gold flashed 1u", 3u", 5u", 10U", 15u", 30u".
- 3.2 Shell: Nickel Plated.

4	Back-shell	1	Cold rolled steel	T=0.30mm	Nickel Plated
3	Front-shell	1	Cold rolled steel	T=0.30mm	Nickel Plated
2	Contact	4	Brass	T=0.25mm	Gold Flashed
1	Housing	4	P.B.T	UL 94-V0	Black
No.	Name	Q'ty	Material	Remarks&Thickness	Finish

The usage and wiring assignments of the five pins in the Mini-A plug are defined in the following table.

Table 4-2. Mini-A Plug Pin Assignments

Contact Number	Signal Name	Typical Wiring Assignment
1	VBUS	Red
2	D-	White
3	D+	Green
4	ID	< 10 Ω to GND
5	GND	Black
Shell	Shield	Drain Wire

nicht belegt

The ID pin on a Mini-A plug shall be connected to the GND pin. The ID pin on a Mini-B plug is not connected or is connected to ground by a resistance of greater than R_{B_PLUG_ID}. A dual-role device is required to be able to detect whether a Mini-A or Mini-B plug is inserted by determining if the ID pin resistance to ground is less than R_{A_PLUG_ID} or if the resistance to ground is greater than R_{B_PLUG_ID}. Any ID resistance less than R_{A_PLUG_ID} shall be treated as ID = FALSE and any resistance greater than R_{B_PLUG_ID} shall be treated as ID = TRUE.