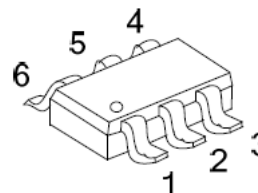


USB QUICK CHARGING CONTROLLER

FEATURES

- On-chip Multiple Charging Standard Identifications:
 - USB Power Delivery 3.0 Fix PDO
(support 18W/20W/25W configurations)
 - USB Power Delivery 2.0 Fix PDO
 - USB Type C CC-logic
- CC pin protection up to 12V
- 8kV HBM and 400V MM contact ESD Level
- -40°C ~ +125°C Operating Temperature

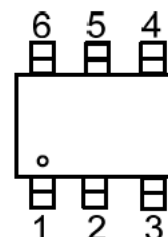


SOT-23-6
(JEDEC TO-236)

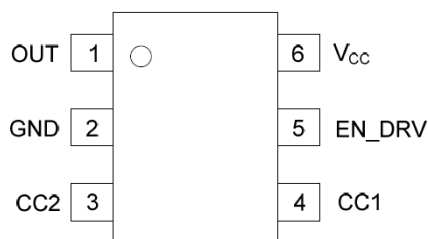
APPLICATION

- Wall Adapter
- Car Charger
- Portable Power Bank
- USB Power Plugs

MARKING

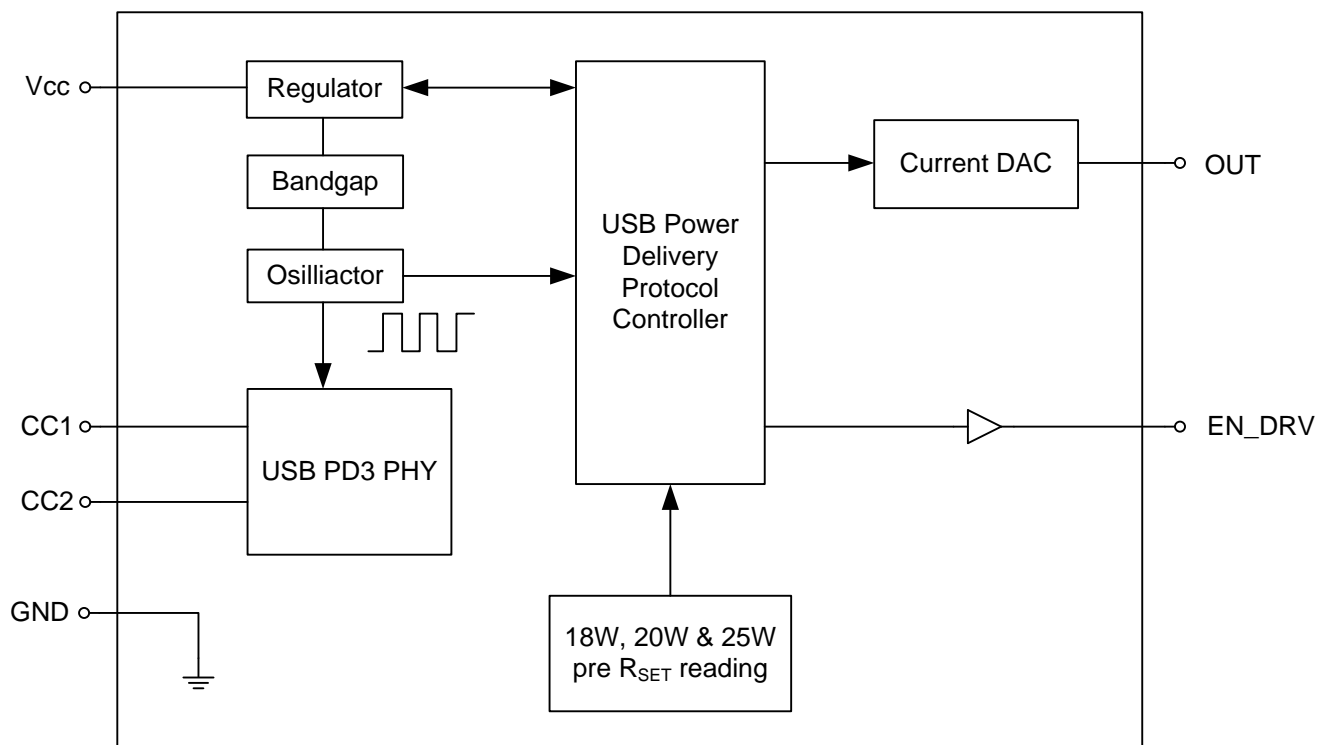


PIN CONFIGURATION



PIN DESCRIPTION

PIN NO.	PIN NAME	DESCRIPTION
1	OUT	Feedback output
2	GND	Ground
3	CC2	USB Type-C Configuration channel signal2
4	CC1	USB Type-C Configuration channel signal1
5	EN_DRV	Muti-PDO configuration: Tight GND: 18W (5V/3A, 9V/2A, 12V/1.5A) 160k R _{SET} Pull Low: 25W(5V/3A, 9V/2.77A) 390k R _{SET} Pull Low: 20W(5V/3A, 9V/2.22A, 12V/1.67A) 620k R _{SET} Pull Low: 20W(5V/3A, 9V/2.22A) Open : 18W(5V/2.4A, 9V/2A)
6	V _{CC}	Supply input voltage pin

BLOCK DIAGRAM

ABSOLUTE MAXIMUM RATING ($T_A=25^{\circ}\text{C}$, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Supply Current	V_{CC}	-0.3 ~ 6.5	V
Other Pins	FB, EN_DRV	-0.3 ~ 6.5	V
CC1, CC2	CC1, CC2	-0.3 ~ 12	V
Human Body Mode	HBM	TBD	V
Machine Mode	MM	TBD	V
Socket Charge Device Mode	SCDM	TBD	V
Operation Temperature Range	T_{OPR}	-40 ~ +155	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-60 ~ +150	$^{\circ}\text{C}$

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.
 Absolute maximum ratings are stress ratings only and functional device operation is not implied.